

# MAVERICK SILENS

1X PROFILE

PHOTOMETRICS REPORT



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## Testing Process

### Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion®, which takes multiple measurements across a light beam to calculate the total delivered lumens, beam, and field of a product. These values can be described as the empirical output of the product as it projects from the lens or lenses. All photometric data contained in this report are obtained from the actual illuminance of the tested Chauvet light source and are never theoretical values derived from calculations.

### Testing Lab Equipment and Process

The Chauvet headquarters in Davie, Florida has a climate- and light-controlled photometric testing laboratory where Chauvet products are analyzed and photometric data are measured using the Viso Systems LabSpion® light measurement solution.

This system includes a spectrometer sensor, which measures the precise light and color output of the fixture, and a two-axis goniometer, which rotates the product to allow for multi-angle and multi-directional measurement. The Viso Light Inspector software then collects and summarizes the data. From the data gathered, the software can also measure the beam and field angles, accurate color temperature, color quality, and illuminance at multiple distances. The custom-built, Chauvet-specific template presents this information in the photometric and chromaticity reports that follow.

IES (Illuminating Engineering Society) files, an industry-standard file format, are also generated from each test for easy distribution of photometric data.

Several light meters are also used for specific products or to recheck for precision. Accuracy is verified using one or more of the devices listed below:

- Sekonic SpectroMaster C-700-U
- EXTECH HD450 Datalogging Heavy Duty Light Meter
- Asensetek Essence Lighting Passport

To ensure accurate measurements in every photometric or chromaticity test, Chauvet routinely calibrates the LabSpion® system every six months as recommended by Viso Systems.



# Photometrics & Chromaticity Reports

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Flood - Full Power

## Report Summary

### Measurements

Fixture Output: 6086 lm

Fixture Peak: 10590 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 398 lux

Color Temperature: 6317 K

CRI: 95.5      CRI R9 Value: 91.6

CQS: 94.6

TLCI: 99

TM-30 Rf: 93.6

TM-30 Rg: 103.2

Beam Angle (50%): 48.4°

Field Angle (10%): 53.4°

Cutoff Angle (3%): 56.2°

### Conditions

AC Supply: 115 V, 60 Hz

Power: 0.0 W

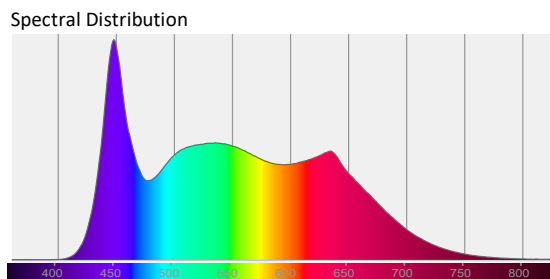
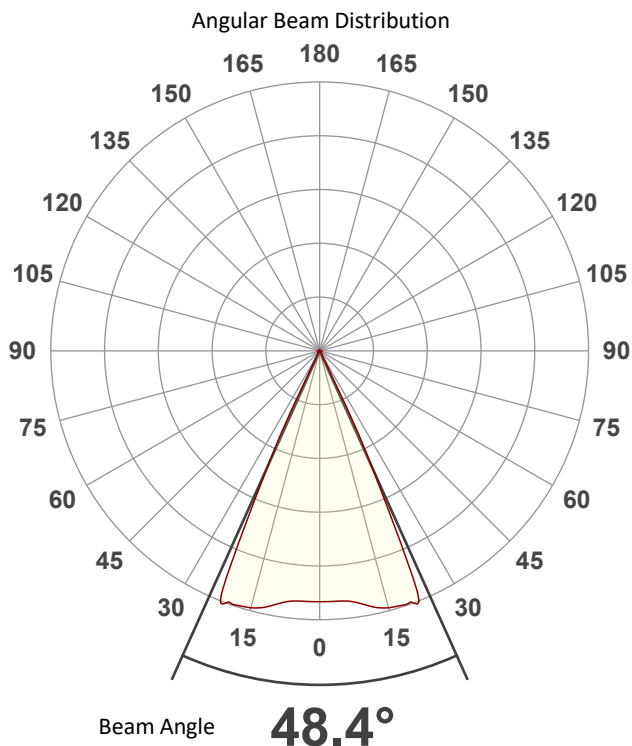
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

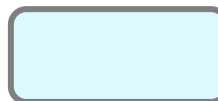
## Overall Measurement



Tested Color (CIE 1931):

X: 0.317

Y: 0.326



Light Quality

CRI: 95.5

Color Temperature

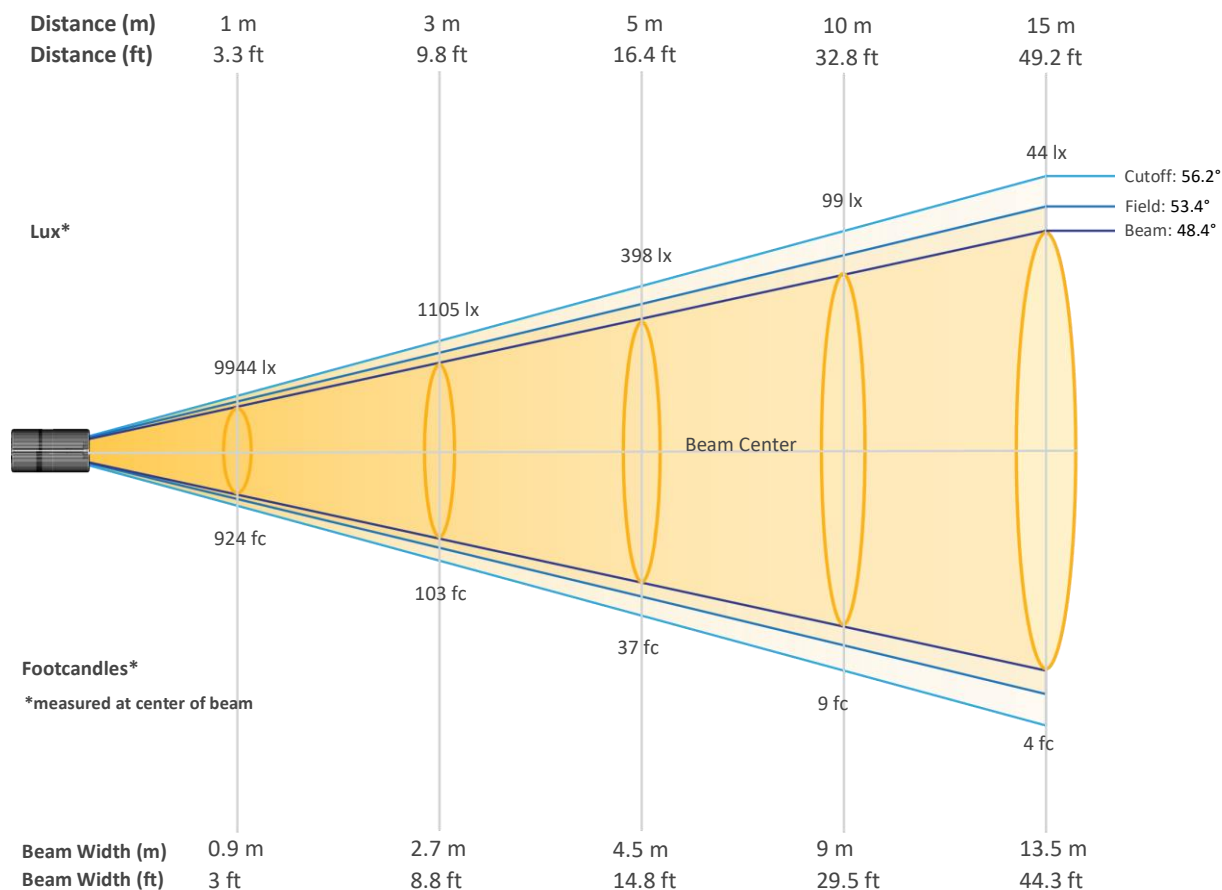
6317 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Flood - Full Power

## Beam Details

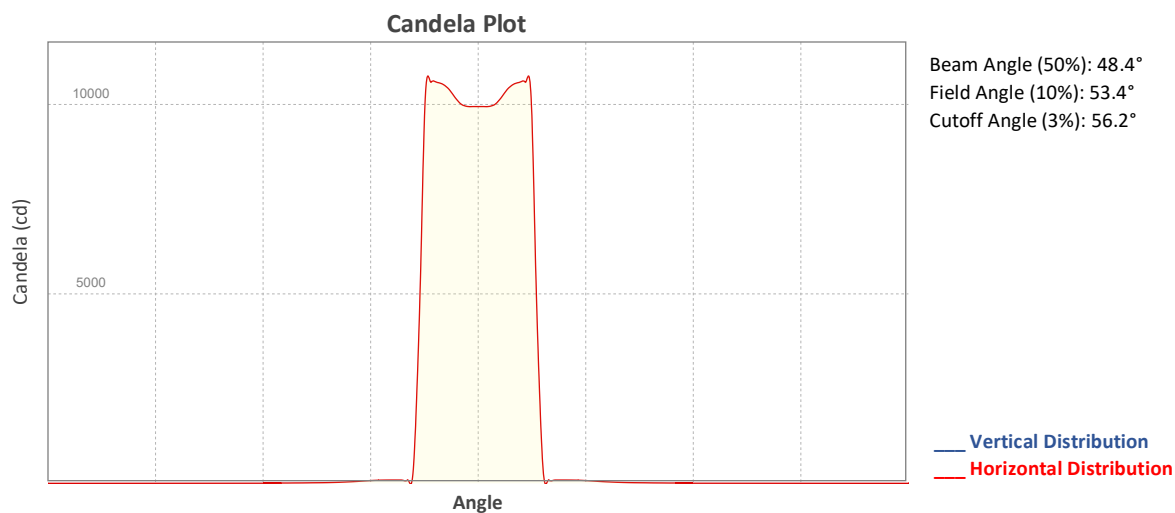


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 9944   | 2486   | 1105   | 622    | 398    | 276    | 203    | 155    | 123    | 99     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 82     | 69     | 59     | 51     | 44     | 39     | 34     | 31     | 28     | 25     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 924    | 231    | 103    | 58     | 37     | 26     | 19     | 14     | 11     | 9      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 8      | 6      | 5      | 5      | 4      | 4      | 3      | 3      | 3      | 2      |

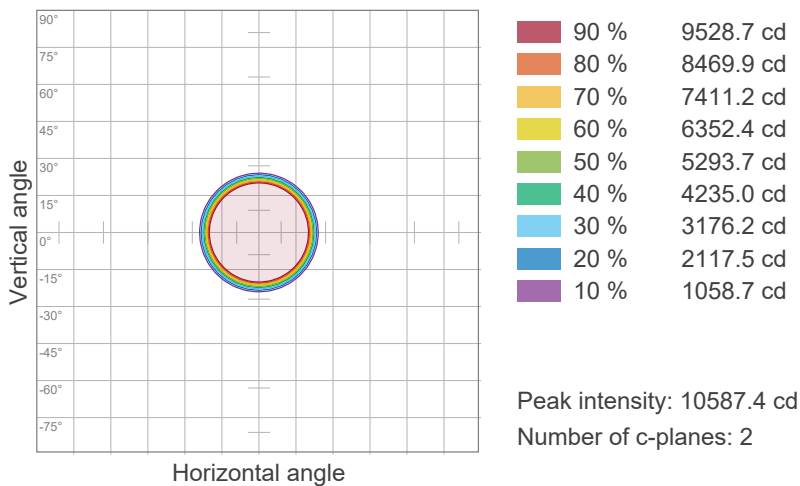
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Flood - Full Power

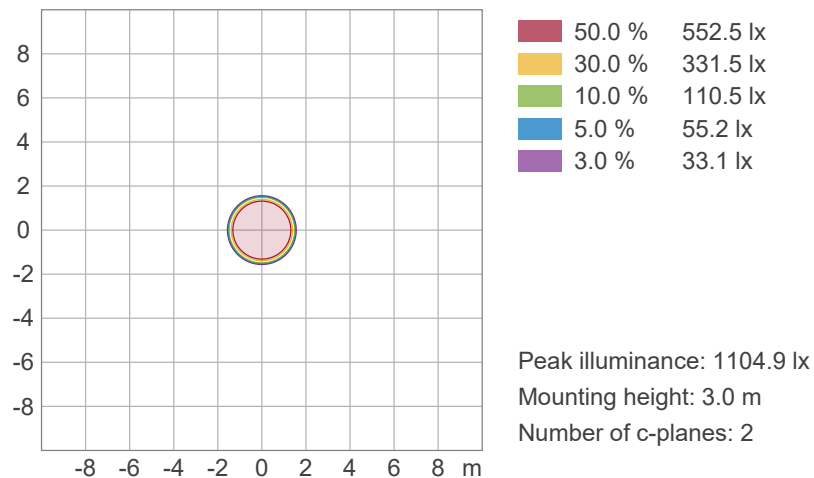


## ISO Diagrams

### ISO Candela Diagram



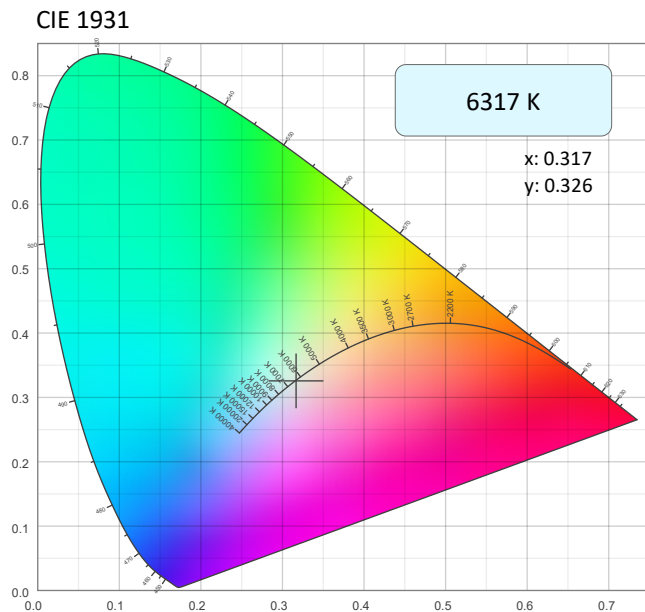
### ISO Lux Diagram



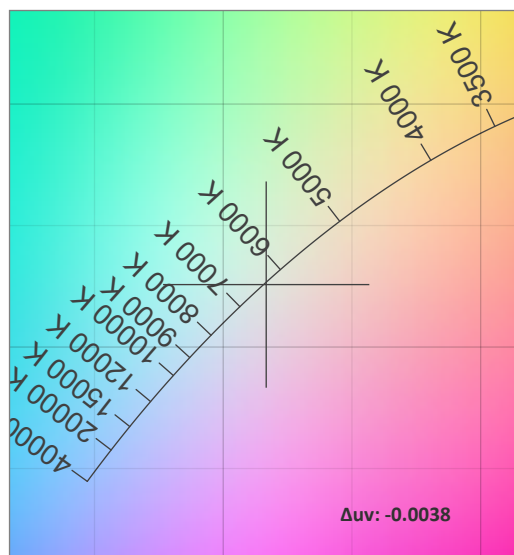
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Flood - Full Power

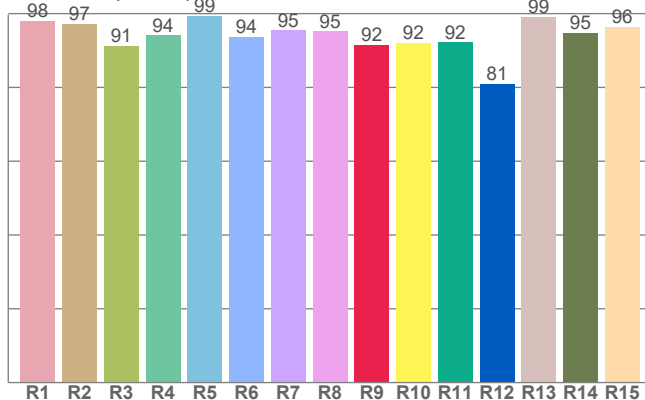
## Chromaticity



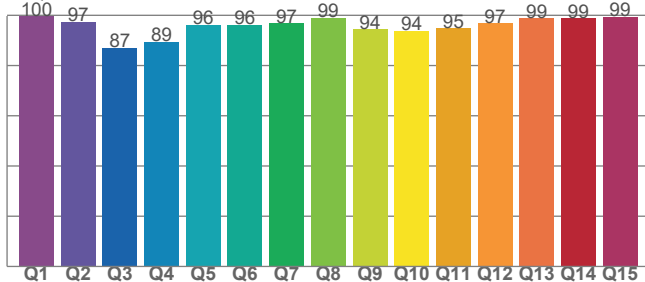
CIE 1931 - Zoom



CRI: 95.5 (R1-R8)



CQS: 94.6



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 6317 K            | 0.317                     | 0.326                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0038                               | 0.326                     | 0.202                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.5                  | 91.6          | 94.6                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 99                                    | 93.6           | 103.2       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Flood - Full Power

## TM-30 Details

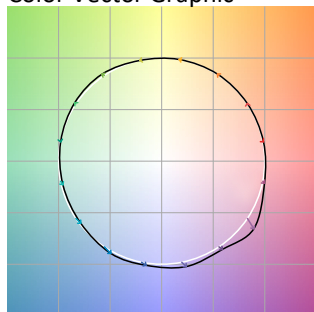
**Rf 93.6**

Fidelity Index  
(Rg)

**Rg 103.2**

Gammut Index (Rg)

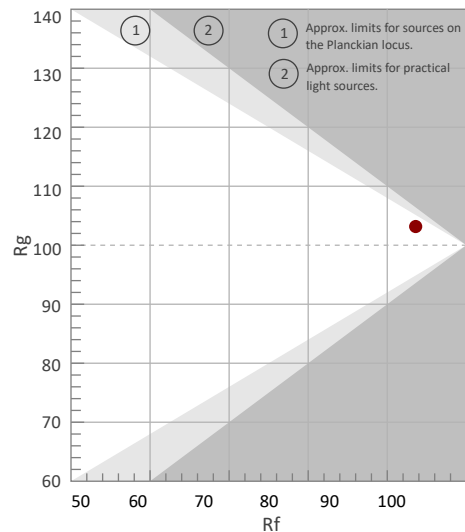
Color Vector Graphic



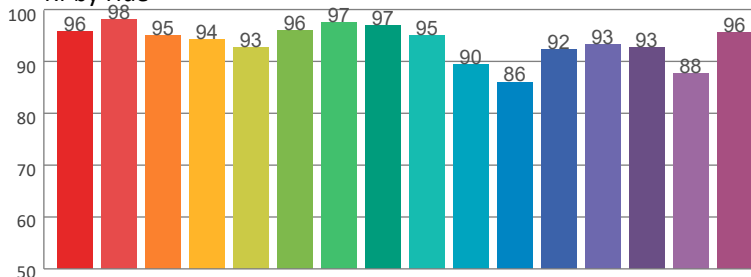
Color Distortion Graphic



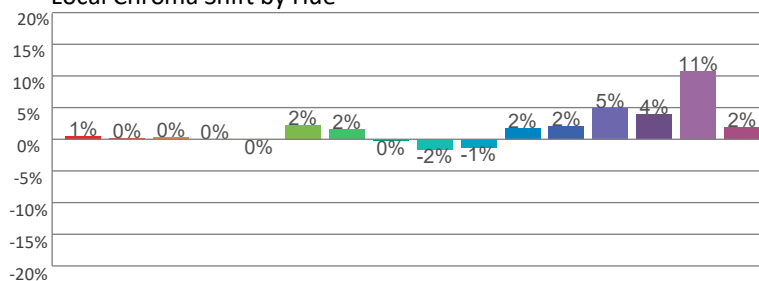
|         |                | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma             | Hue |
| 1       | 96             | 1%                 | -1% |
| 2       | 98             | 0%                 | 0%  |
| 3       | 95             | 0%                 | 2%  |
| 4       | 94             | 0%                 | 3%  |
| 5       | 93             | 0%                 | 2%  |
| 6       | 96             | 2%                 | 1%  |
| 7       | 97             | 2%                 | 0%  |
| 8       | 97             | 0%                 | 1%  |
| 9       | 95             | -2%                | 4%  |
| 10      | 90             | -1%                | 6%  |
| 11      | 86             | 2%                 | 9%  |
| 12      | 92             | 2%                 | 5%  |
| 13      | 93             | 5%                 | 3%  |
| 14      | 93             | 4%                 | 2%  |
| 15      | 88             | 11%                | -5% |
| 16      | 96             | 2%                 | -1% |



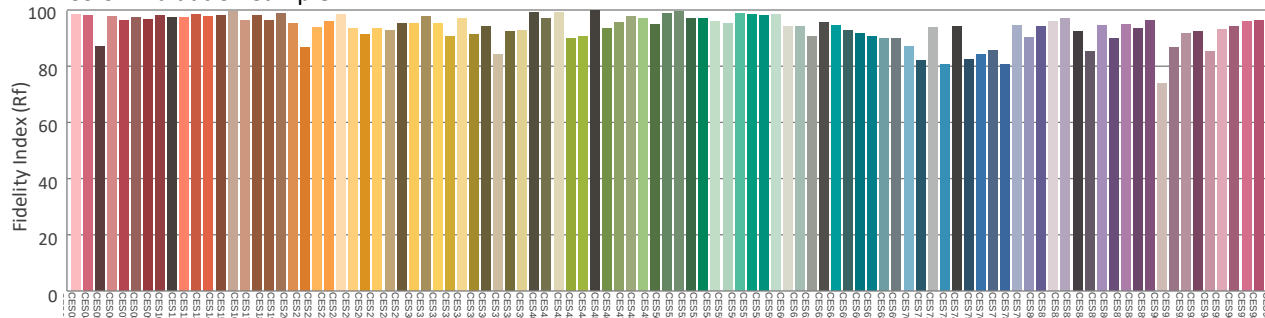
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Spot - Full Power

## Report Summary

### Measurements

Fixture Output: 5974 lm

Fixture Peak: 205444 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 8168 lux

Color Temperature: 6228 K

CRI: 95.1 CRI R9 Value: 87.9

CQS: 94.7

TLCI: 99

TM-30 Rf: 93.5

TM-30 Rg: 103.6

Beam Angle (50%): 10.7°

Field Angle (10%): 12.5°

Cutoff Angle (3%): 13.8°

### Conditions

AC Supply: 115 V, 60 Hz

Power: 0.0 W

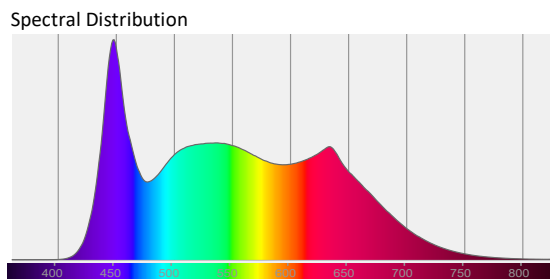
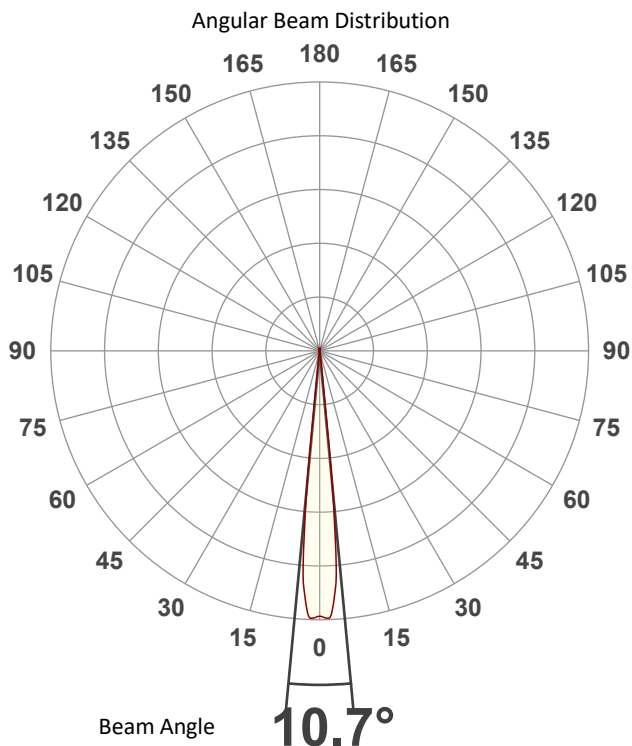
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

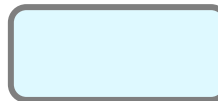
## Overall Measurement



Tested Color (CIE 1931):

X: 0.318

Y: 0.327

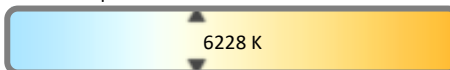


Light Quality

CRI: 95.1

Color Temperature

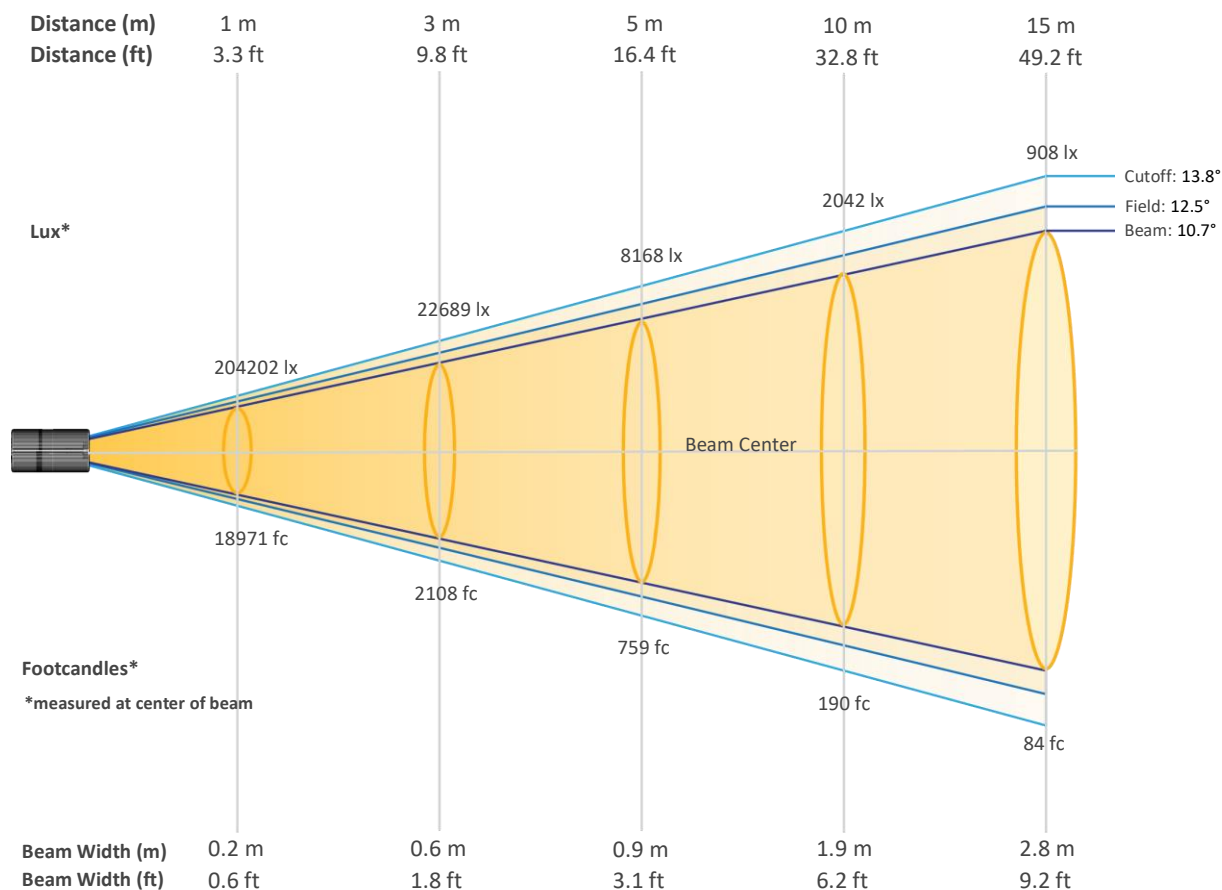
6228 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Spot - Full Power

## Beam Details

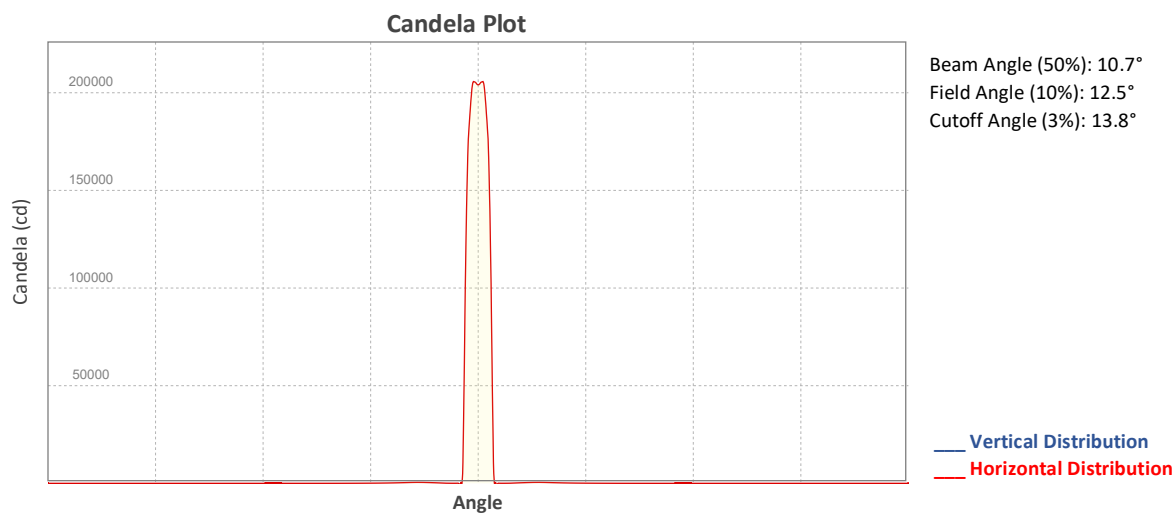


## Beam Intensities from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux      | 20420  | 51050  | 22689  | 12763  | 8168   | 5672   | 4167   | 3191   | 2521   | 2042   |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 1688   | 1418   | 1208   | 1042   | 908    | 798    | 707    | 630    | 566    | 511    |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 18971  | 4743   | 2108   | 1186   | 759    | 527    | 387    | 296    | 234    | 190    |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 157    | 132    | 112    | 97     | 84     | 74     | 66     | 59     | 53     | 47     |

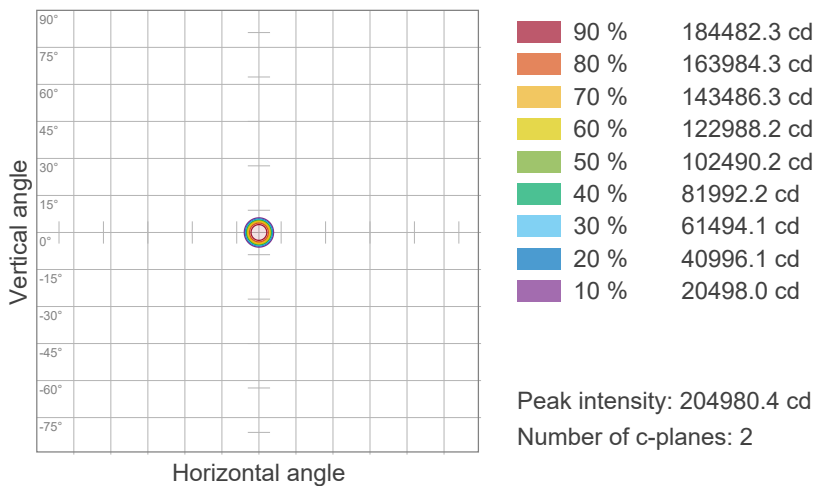
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Spot - Full Power

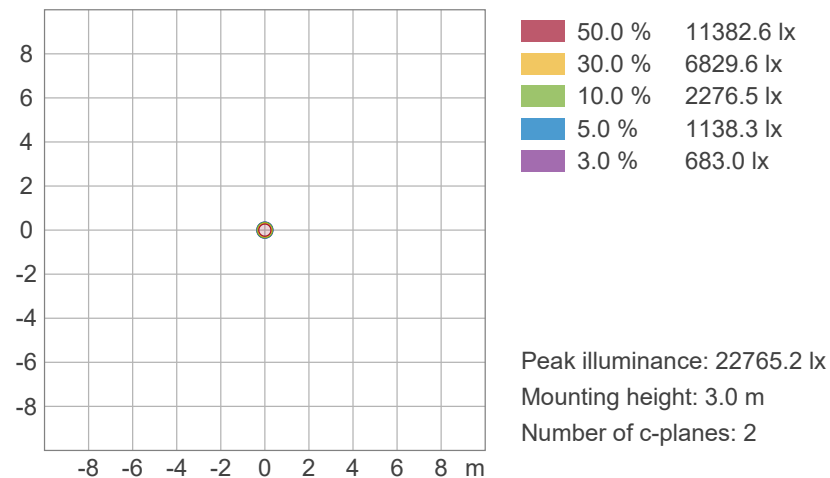


## ISO Diagrams

ISO Candela Diagram



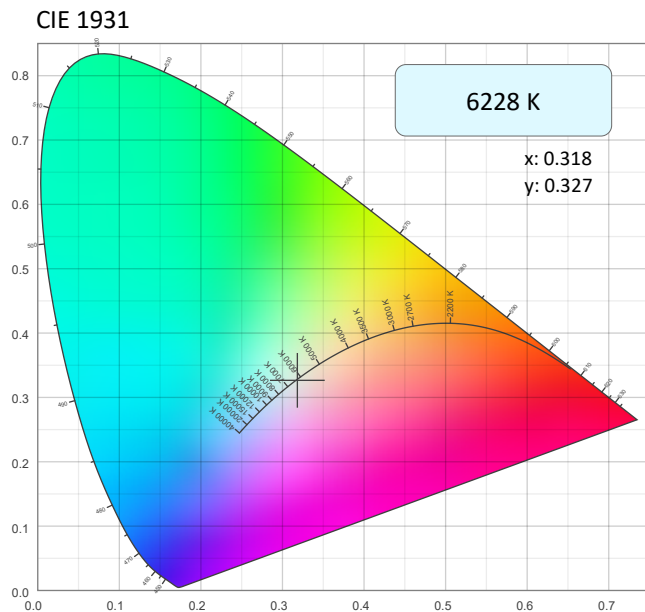
ISO Lux Diagram



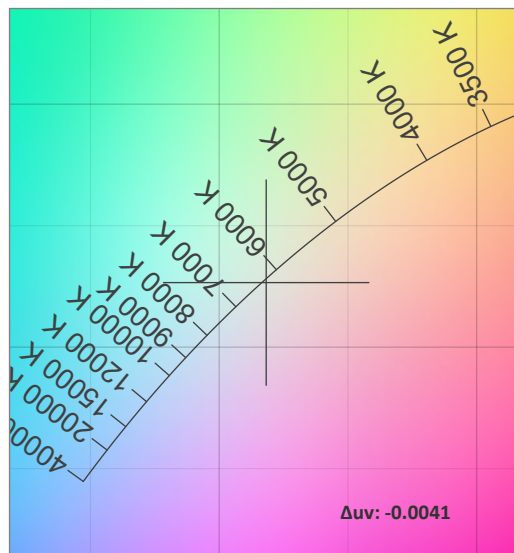
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Spot - Full Power

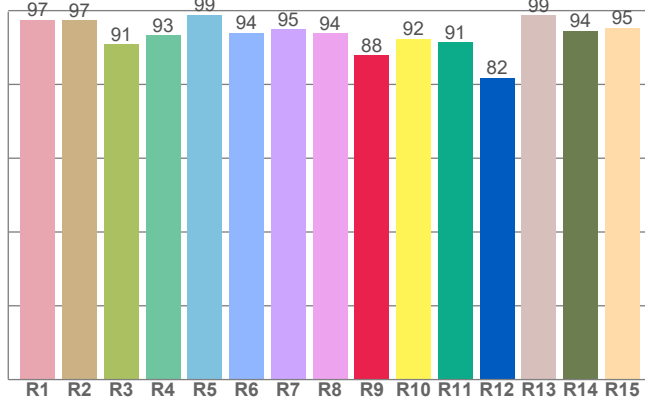
## Chromaticity



CIE 1931 - Zoom



CRI: 95.1 (R1-R8)

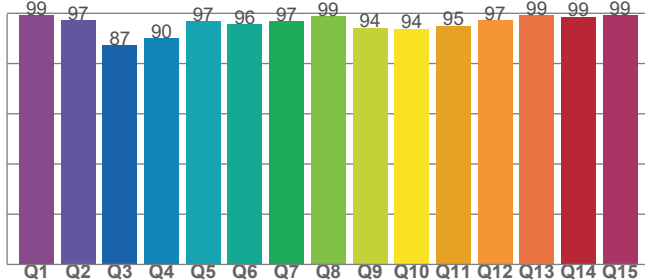


Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 6228 K            | 0.318                     | 0.327                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0041                               | 0.327                     | 0.203                     |

CQS: 94.7



| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.1                  | 87.9          | 94.7                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 99                                    | 93.5           | 103.6       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: Full Spot - Full Power

## TM-30 Details

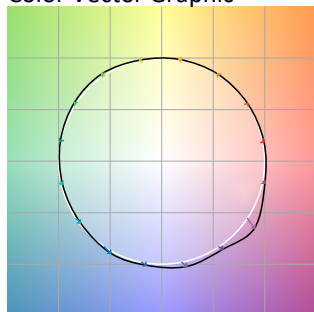
**Rf 93.5**

Fidelity Index  
(Rg)

**Rg 103.6**

Gammut Index (Rg)

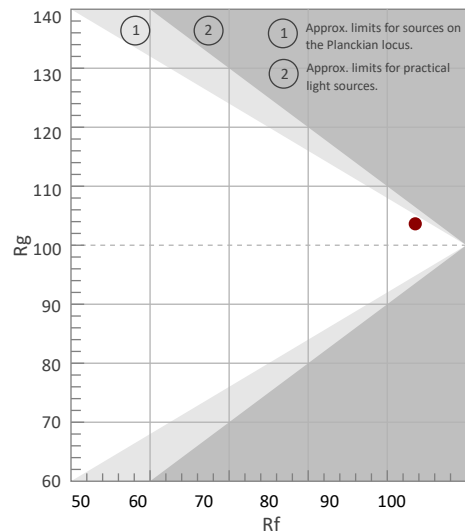
Color Vector Graphic



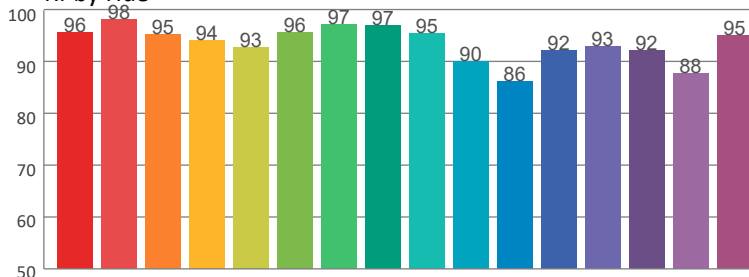
Color Distortion Graphic



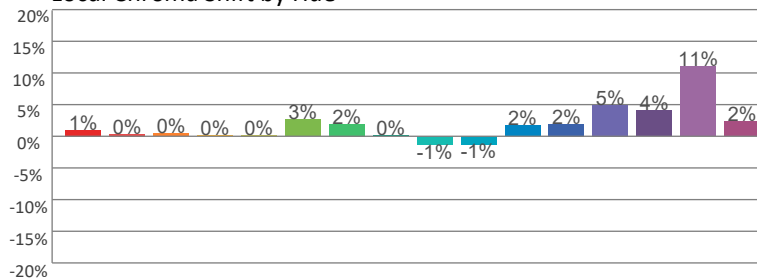
|         |                | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma             | Hue |
| 1       | 96             | 1%                 | -1% |
| 2       | 98             | 0%                 | 0%  |
| 3       | 95             | 0%                 | 2%  |
| 4       | 94             | 0%                 | 3%  |
| 5       | 93             | 0%                 | 2%  |
| 6       | 96             | 3%                 | 1%  |
| 7       | 97             | 2%                 | 0%  |
| 8       | 97             | 0%                 | 0%  |
| 9       | 95             | -1%                | 3%  |
| 10      | 90             | -1%                | 6%  |
| 11      | 86             | 2%                 | 9%  |
| 12      | 92             | 2%                 | 5%  |
| 13      | 93             | 5%                 | 4%  |
| 14      | 92             | 4%                 | 2%  |
| 15      | 88             | 11%                | -4% |
| 16      | 95             | 2%                 | -1% |



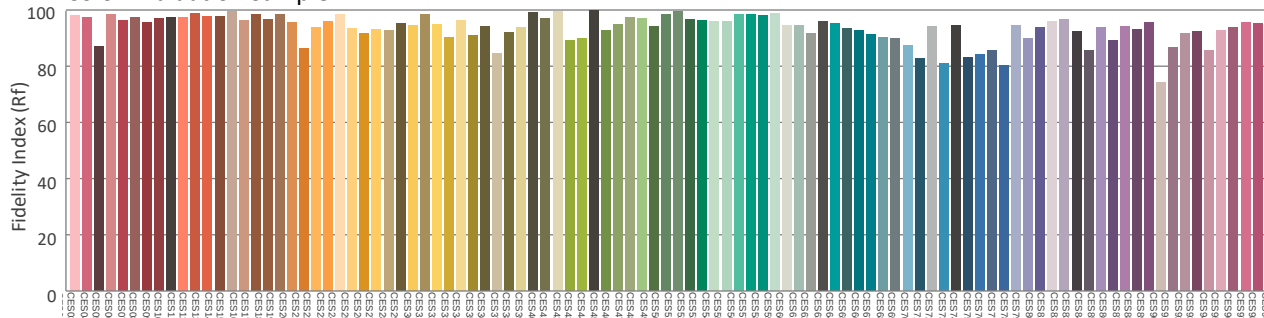
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power

## Report Summary

### Measurements

Fixture Output: 5675 lm

Fixture Peak: 54041 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 2137 lux

Color Temperature: 6291 K

CRI: 95.3      CRI R9 Value: 87.4

CQS: 94.7

TLCI: 99

TM-30 Rf: 93.6

TM-30 Rg: 103.4

Beam Angle (50%): 20.1°

Field Angle (10%): 22.9°

Cutoff Angle (3%): 26.2°

### Conditions

AC Supply: 115 V, 60 Hz

Power: 0.0 W

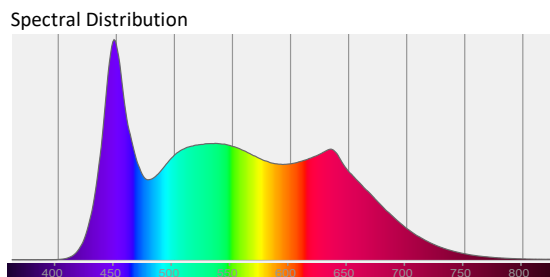
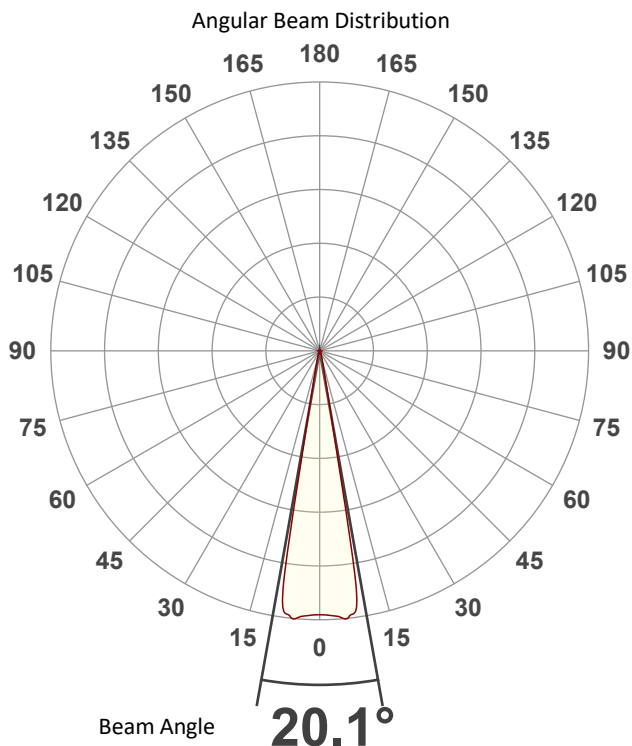
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

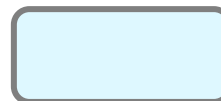
## Overall Measurement



Tested Color (CIE 1931):

X: 0.317

Y: 0.325



Light Quality

CRI: 95.3

Color Temperature

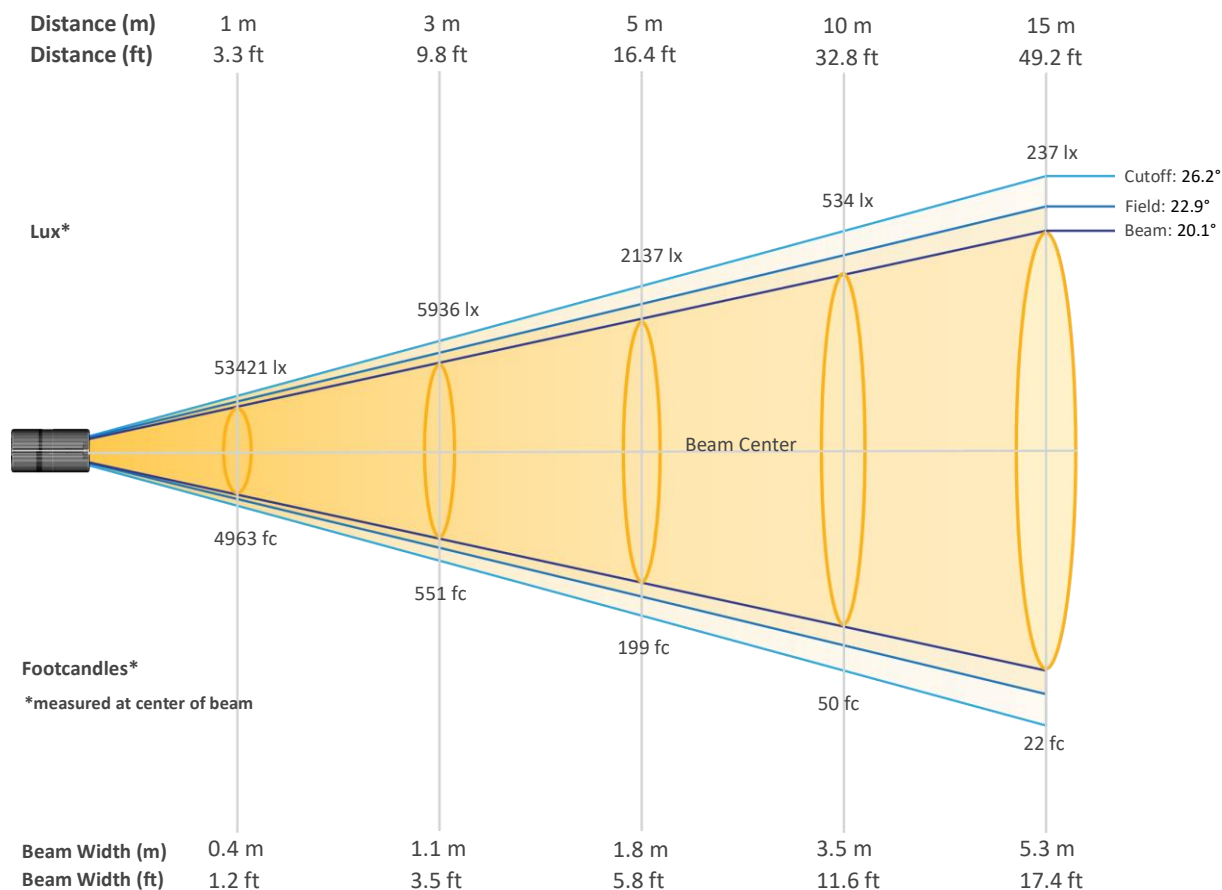
6291 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power

## Beam Details

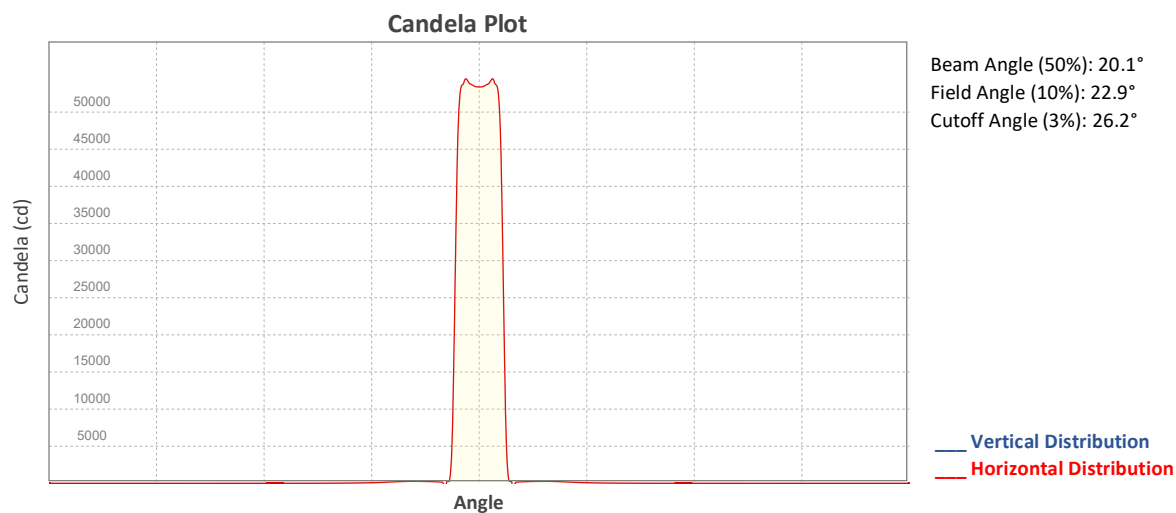


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 53421  | 13355  | 5936   | 3339   | 2137   | 1484   | 1090   | 835    | 660    | 534    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 441    | 371    | 316    | 273    | 237    | 209    | 185    | 165    | 148    | 134    |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 4963   | 1241   | 551    | 310    | 199    | 138    | 101    | 78     | 61     | 50     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 41     | 34     | 29     | 25     | 22     | 19     | 17     | 15     | 14     | 12     |

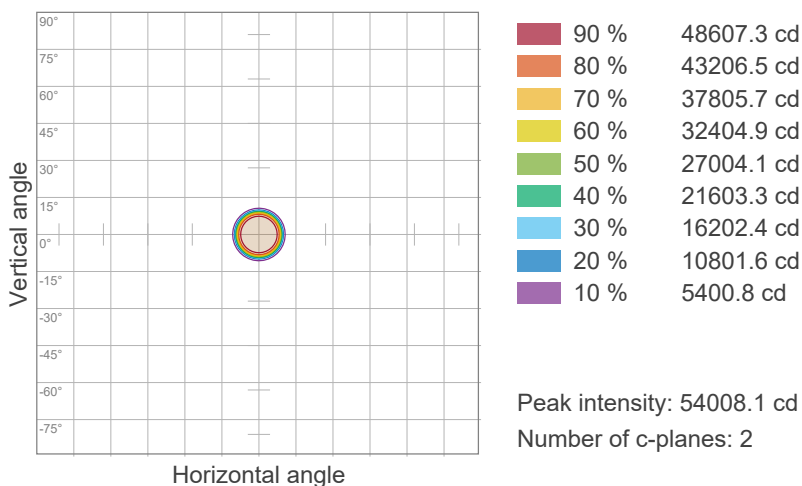
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power

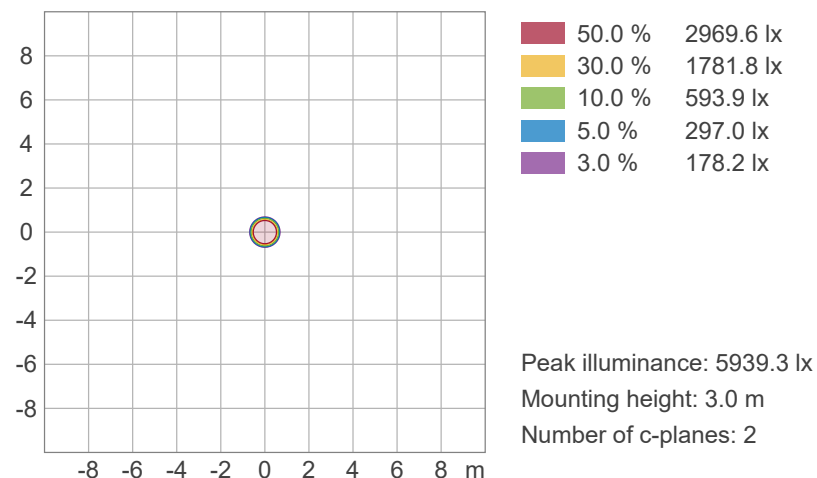


## ISO Diagrams

### ISO Candela Diagram



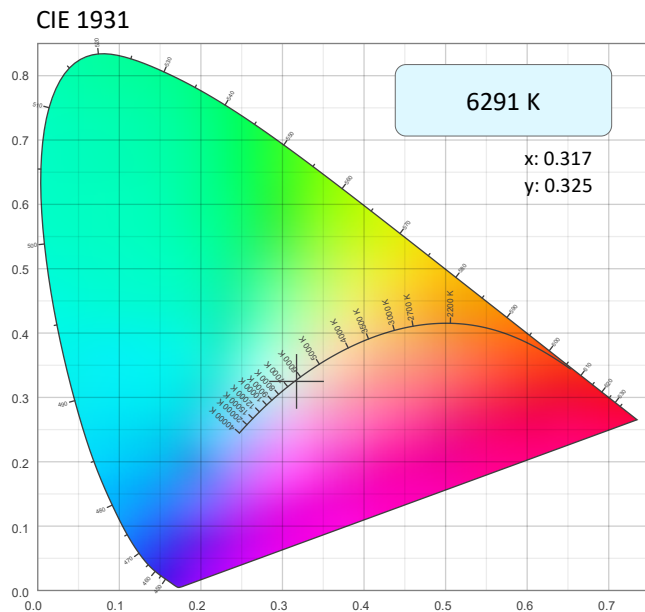
### ISO Lux Diagram



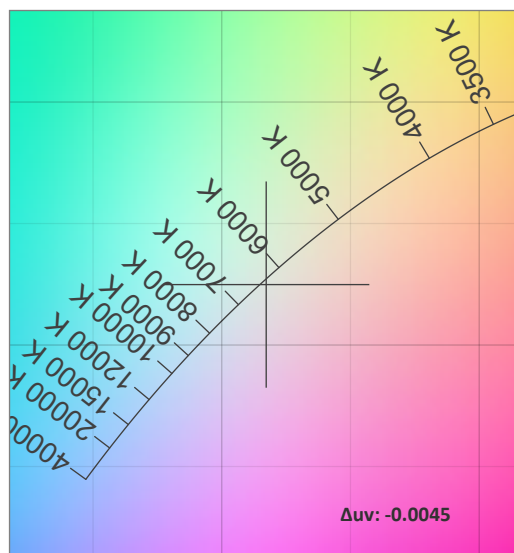
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power

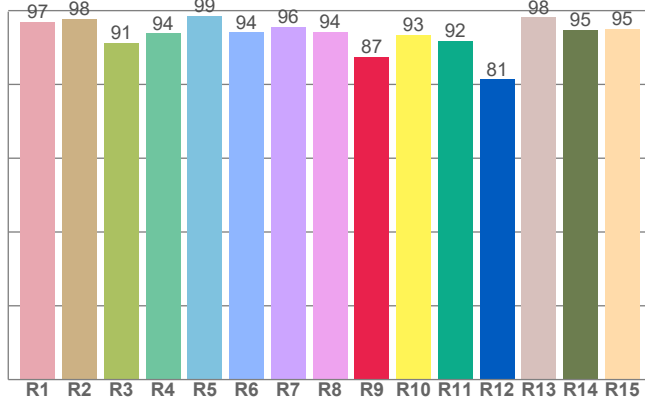
## Chromaticity



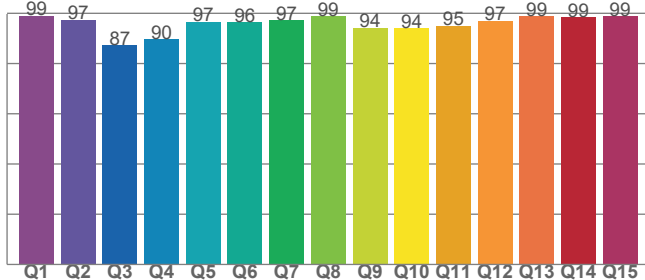
CIE 1931 - Zoom



CRI: 95.3 (R1-R8)



CQS: 94.7



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 6291 K            | 0.317                     | 0.325                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0045                               | 0.325                     | 0.203                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.3                  | 87.4          | 94.7                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 99                                    | 93.6           | 103.4       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power

## TM-30 Details

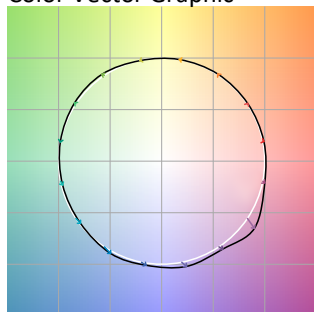
**Rf 93.6**

Fidelity Index  
(Rg)

**Rg 103.4**

Gamut Index (Rg)

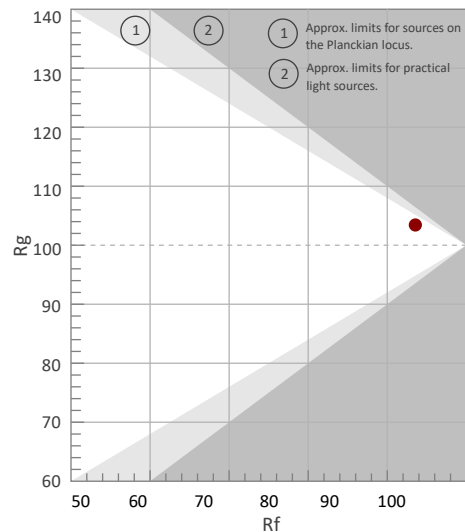
Color Vector Graphic



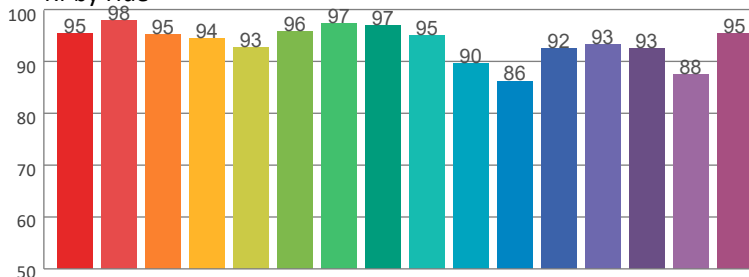
Color Distortion Graphic



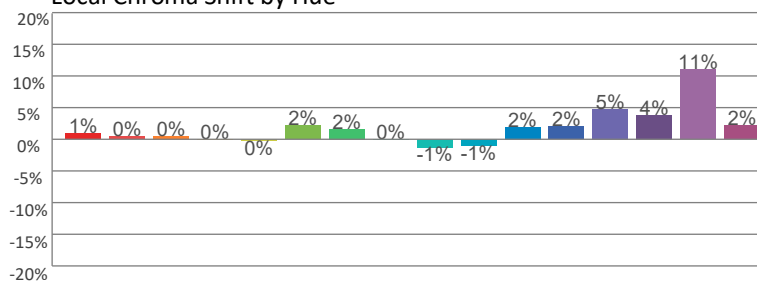
|         |    | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
| Hue Bin | Rf | Chroma             | Hue |
| 1       | 95 | 1%                 | -1% |
| 2       | 98 | 0%                 | 0%  |
| 3       | 95 | 0%                 | 2%  |
| 4       | 94 | 0%                 | 2%  |
| 5       | 93 | 0%                 | 2%  |
| 6       | 96 | 2%                 | 1%  |
| 7       | 97 | 2%                 | 0%  |
| 8       | 97 | 0%                 | 1%  |
| 9       | 95 | -1%                | 4%  |
| 10      | 90 | -1%                | 6%  |
| 11      | 86 | 2%                 | 9%  |
| 12      | 92 | 2%                 | 5%  |
| 13      | 93 | 5%                 | 4%  |
| 14      | 93 | 4%                 | 2%  |
| 15      | 88 | 11%                | -4% |
| 16      | 95 | 2%                 | -1% |



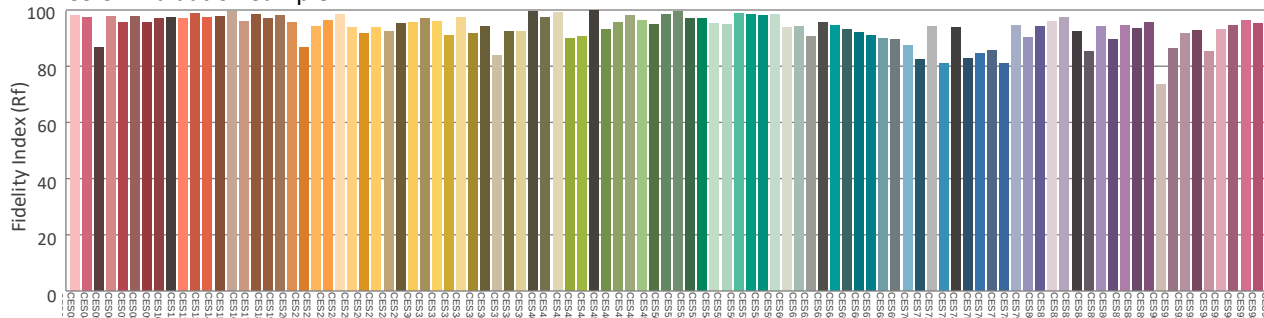
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Cyan

## Report Summary

### Measurements

Fixture Output: 1472 lm

Fixture Peak: 13657 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 545 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 20.2°

Field Angle (10%): 24°

Cutoff Angle (3%): 24.7°

### Conditions

AC Supply: 115 V, 60 Hz

Power: 0.0 W

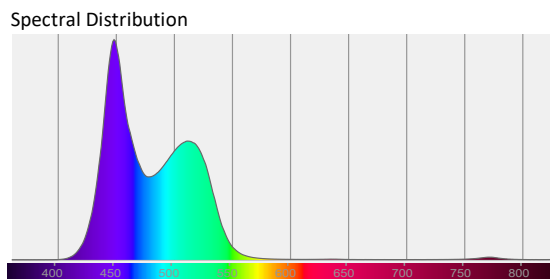
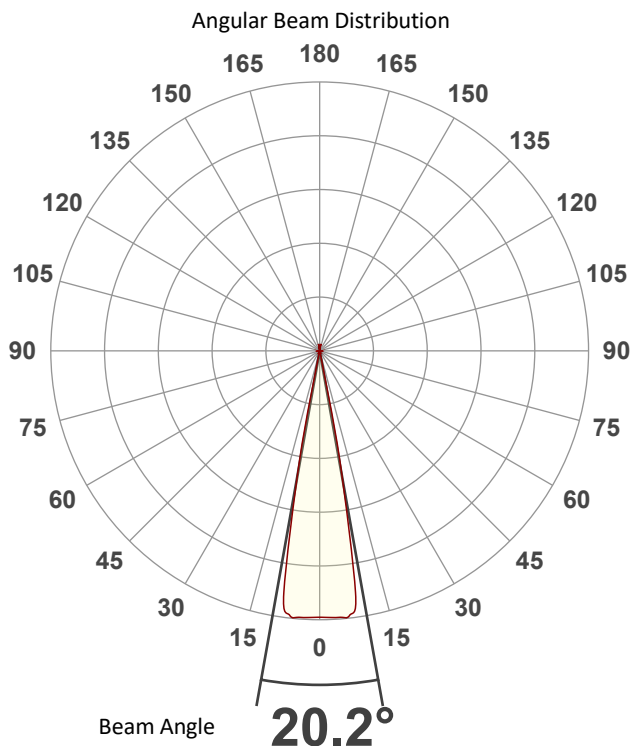
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.138

Y: 0.194

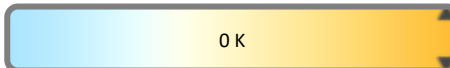


Light Quality

CRI: 0.0

Color Temperature

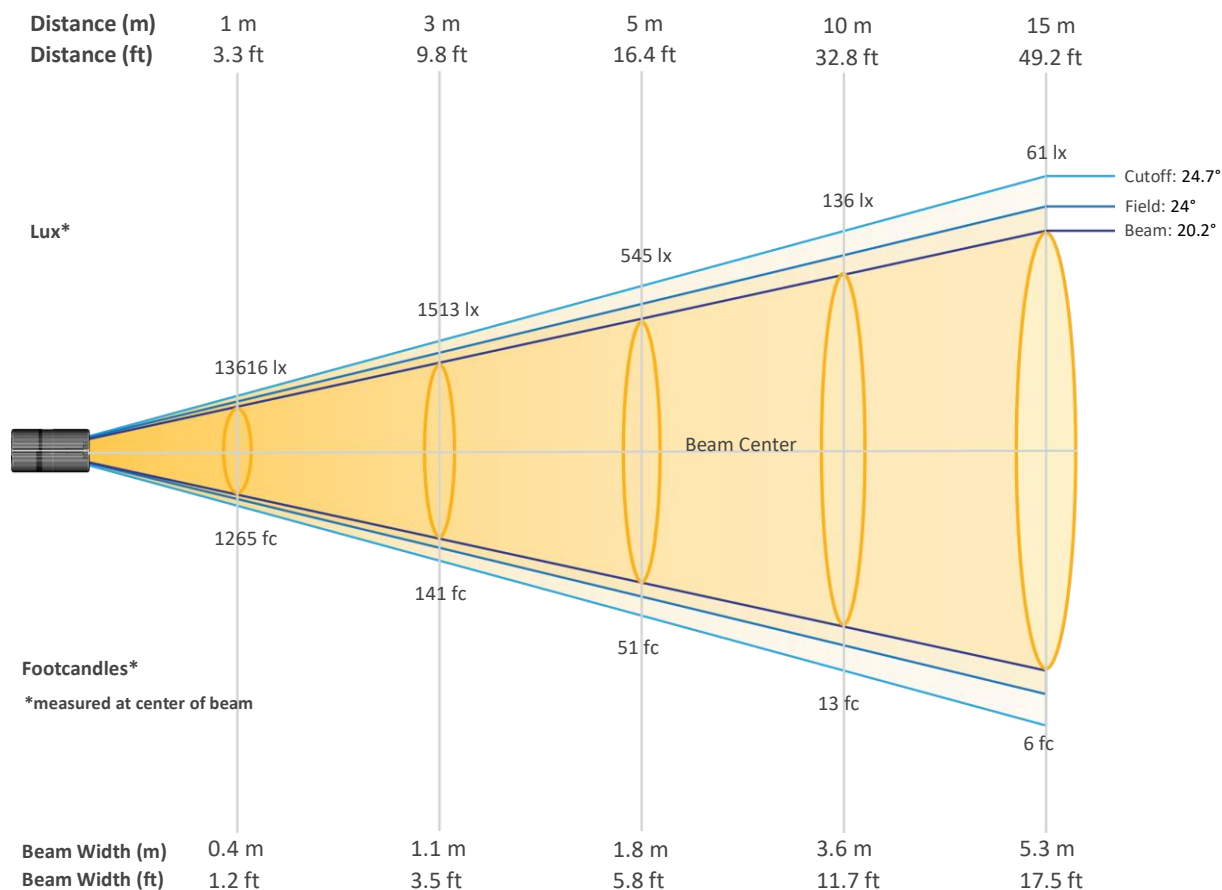
0 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Cyan

## Beam Details

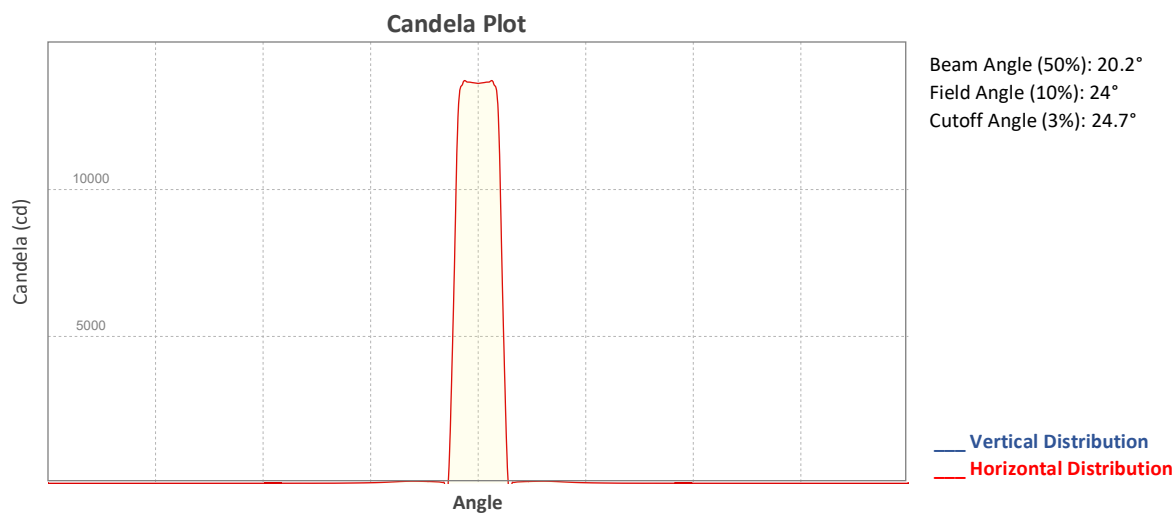


## Beam Intensities from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux      | 13616  | 3404   | 1513   | 851    | 545    | 378    | 278    | 213    | 168    | 136    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 113    | 95     | 81     | 69     | 61     | 53     | 47     | 42     | 38     | 34     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1265   | 316    | 141    | 79     | 51     | 35     | 26     | 20     | 16     | 13     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 10     | 9      | 7      | 6      | 6      | 5      | 4      | 4      | 4      | 3      |

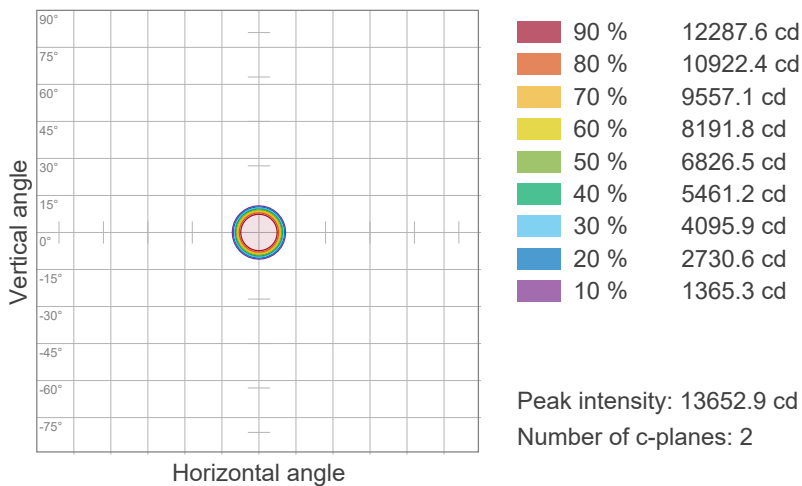
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Cyan

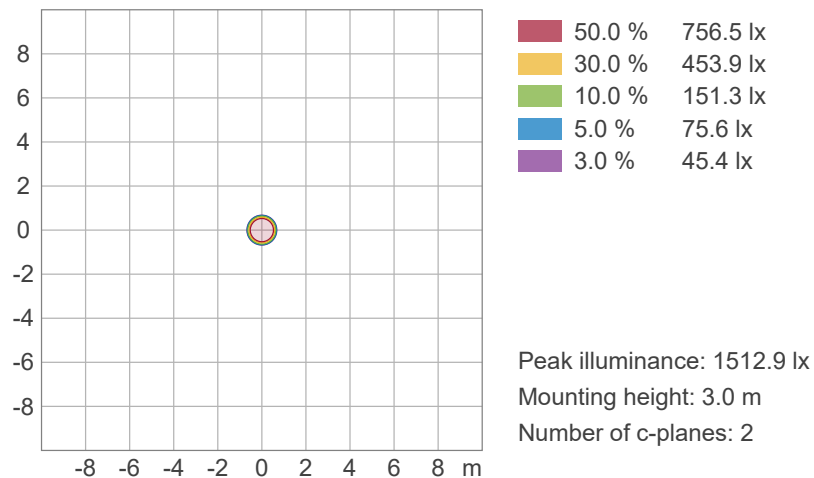


## ISO Diagrams

### ISO Candela Diagram



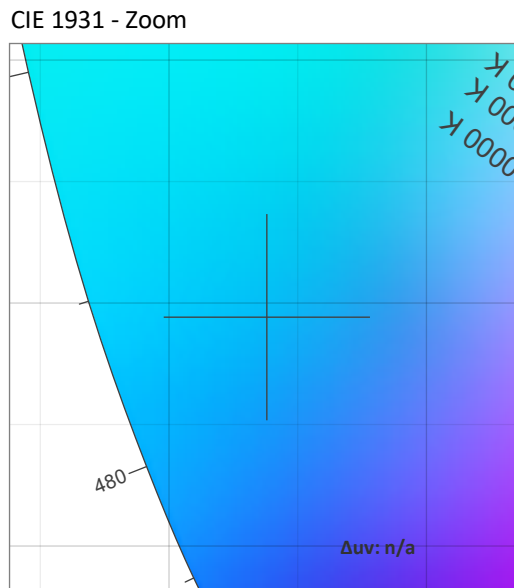
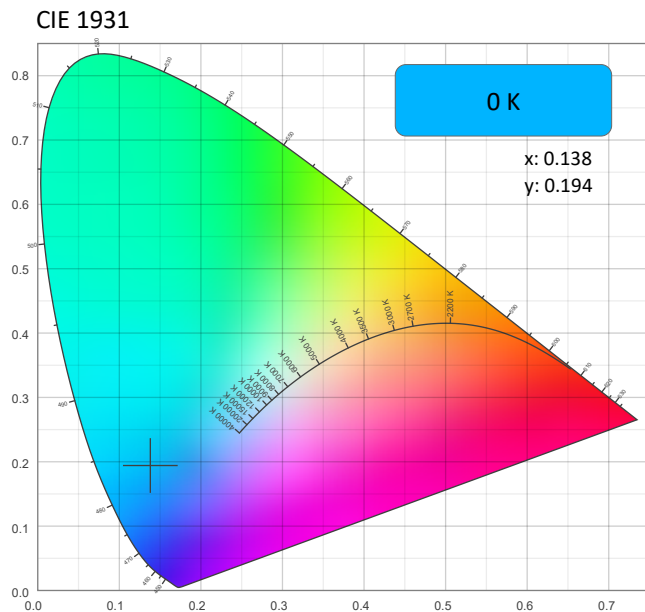
### ISO Lux Diagram



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Cyan

## Chromaticity



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|
|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0 |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |   |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|
|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0 |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |   |

## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 0 K               | 0.138                     | 0.194                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| n/a                                   | 0.194                     | 0.109                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| n/a                                   | 0.0            | 0.0         |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Cyan

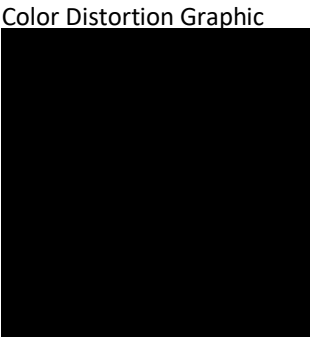
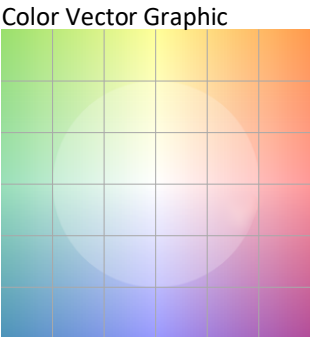
## TM-30 Details

Rf 0.0

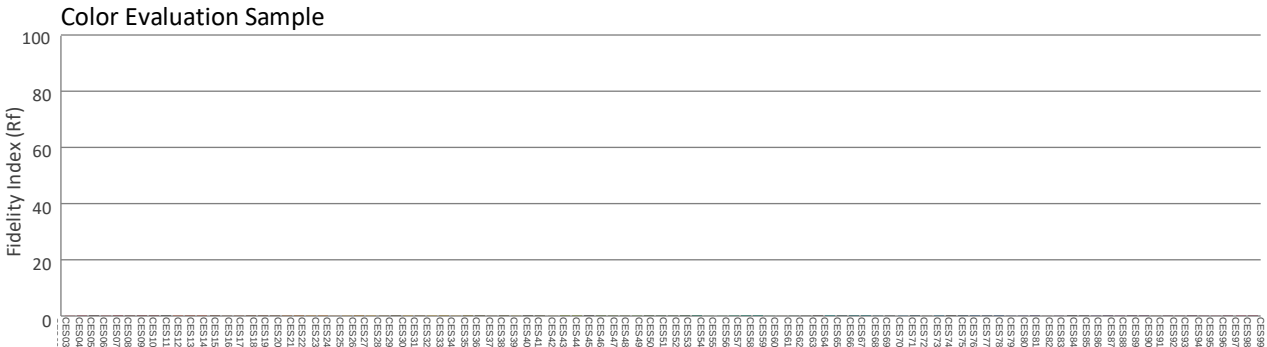
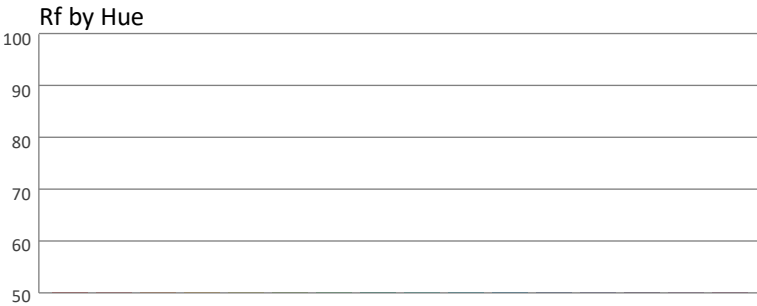
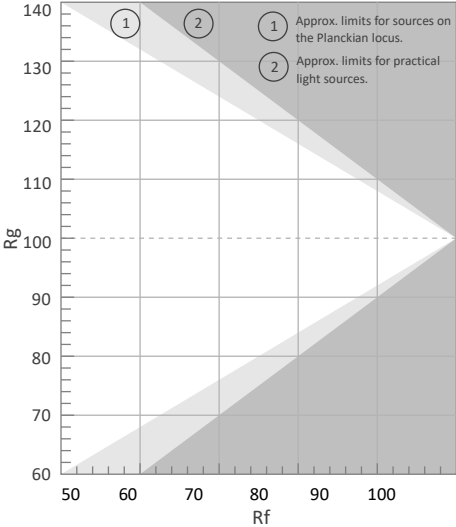
Fidelity Index (Rg)

Rg 0.0

Gammut Index (Rg)



|         |    | Graphic shifts (%) |     |  |
|---------|----|--------------------|-----|--|
| Hue Bin | Rf | Chroma             | Hue |  |
| 1       | 0  | 0%                 | 0%  |  |
| 2       | 0  | 0%                 | 0%  |  |
| 3       | 0  | 0%                 | 0%  |  |
| 4       | 0  | 0%                 | 0%  |  |
| 5       | 0  | 0%                 | 0%  |  |
| 6       | 0  | 0%                 | 0%  |  |
| 7       | 0  | 0%                 | 0%  |  |
| 8       | 0  | 0%                 | 0%  |  |
| 9       | 0  | 0%                 | 0%  |  |
| 10      | 0  | 0%                 | 0%  |  |
| 11      | 0  | 0%                 | 0%  |  |
| 12      | 0  | 0%                 | 0%  |  |
| 13      | 0  | 0%                 | 0%  |  |
| 14      | 0  | 0%                 | 0%  |  |
| 15      | 0  | 0%                 | 0%  |  |
| 16      | 0  | 0%                 | 0%  |  |



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/

## Report Summary

### Measurements

Fixture Output: 331 lm

Fixture Peak: 2952 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 116 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCI: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 20.6°

Field Angle (10%): 23.9°

Cutoff Angle (3%): 27.6°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

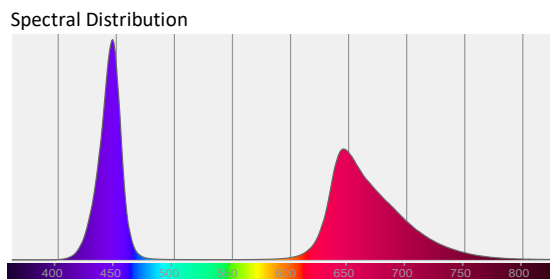
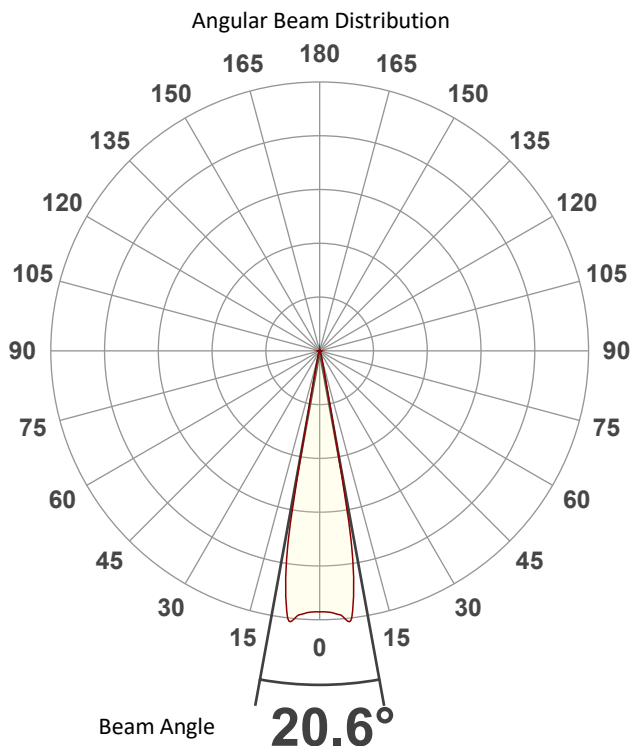
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.261

Y: 0.067

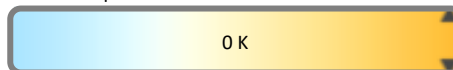


Light Quality

CRI: 0.0

Color Temperature

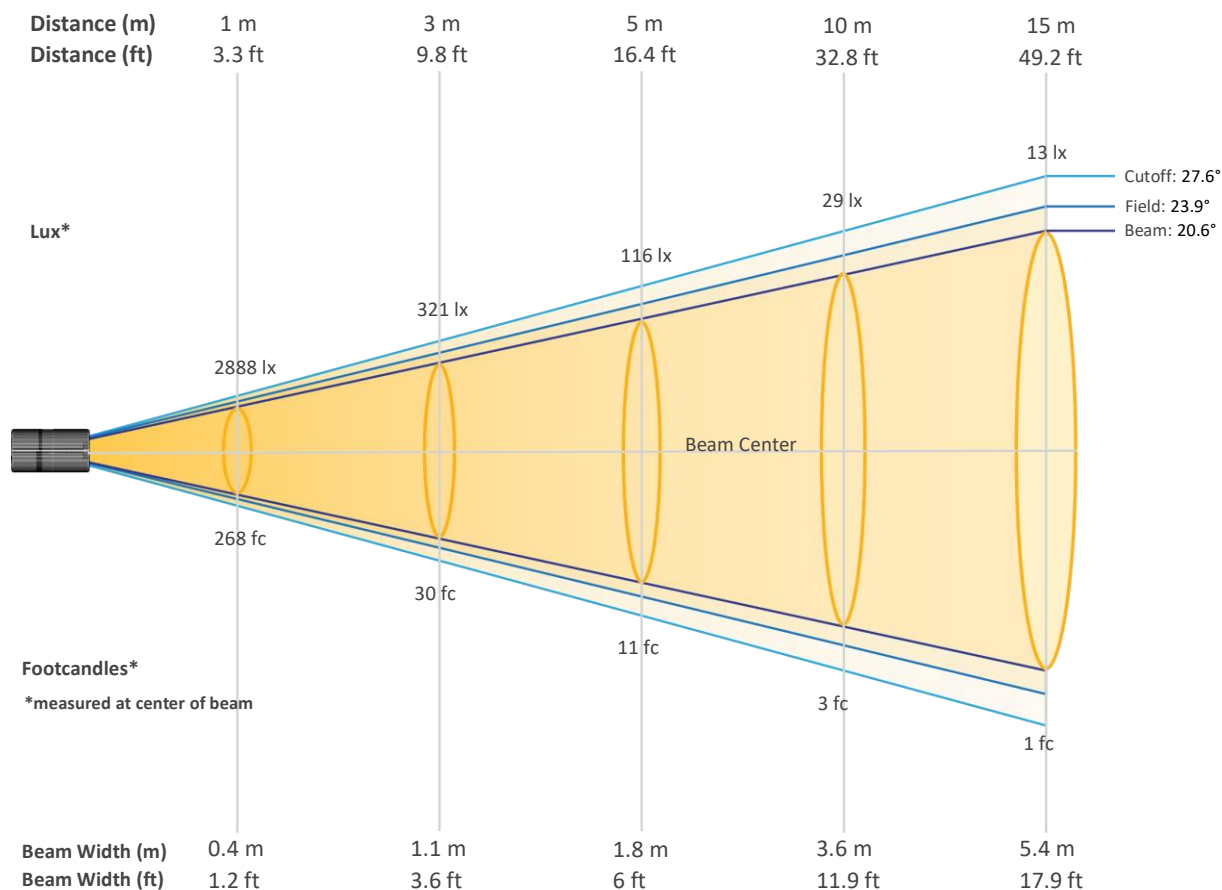
0 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/

## Beam Details

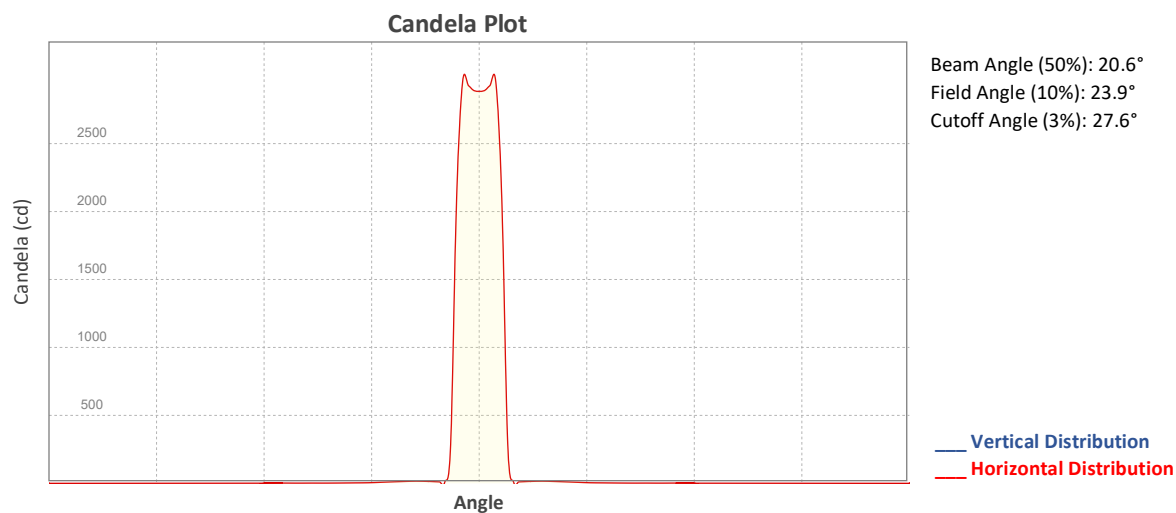


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 2888   | 722    | 321    | 181    | 116    | 80     | 59     | 45     | 36     | 29     |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 24     | 20     | 17     | 15     | 13     | 11     | 10     | 9      | 8      | 7      |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 268    | 67     | 30     | 17     | 11     | 7      | 5      | 4      | 3      | 3      |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 2      | 2      | 2      | 1      | 1      | 1      | 1      | 1      | 1      | 1      |

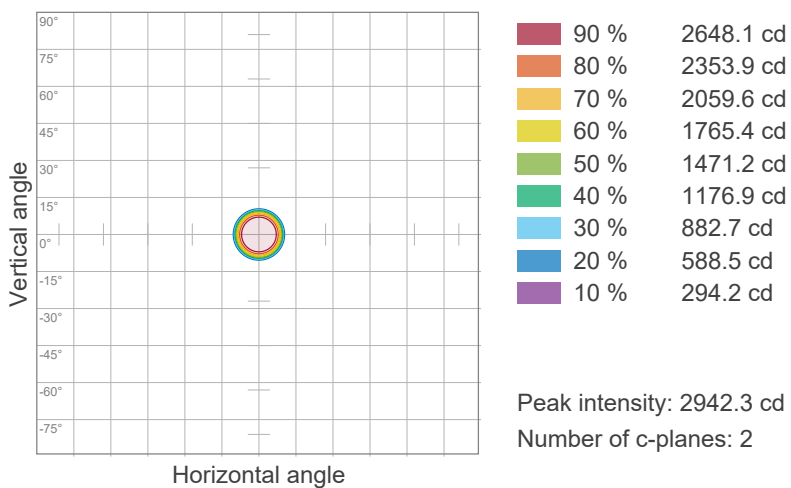
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Magenta

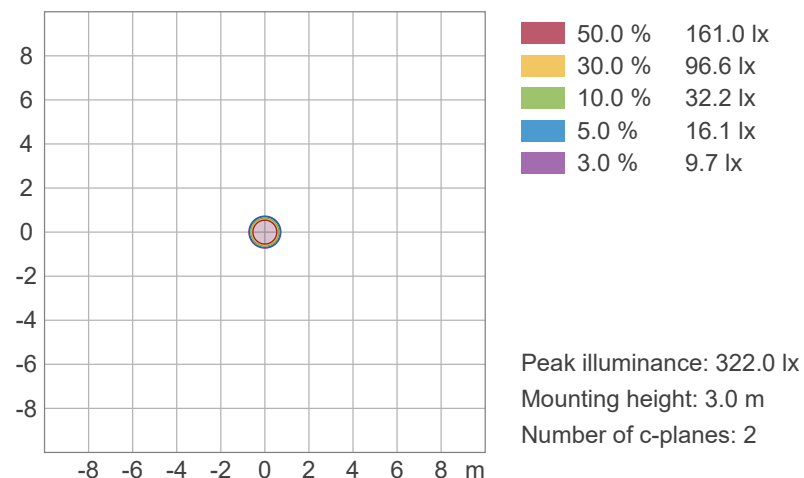


## ISO Diagrams

### ISO Candela Diagram



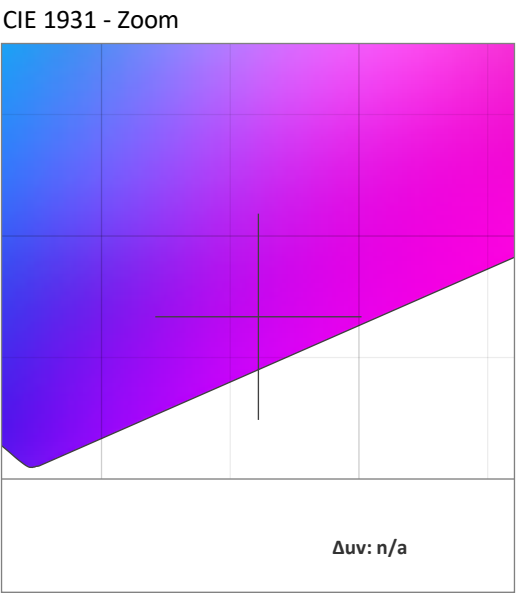
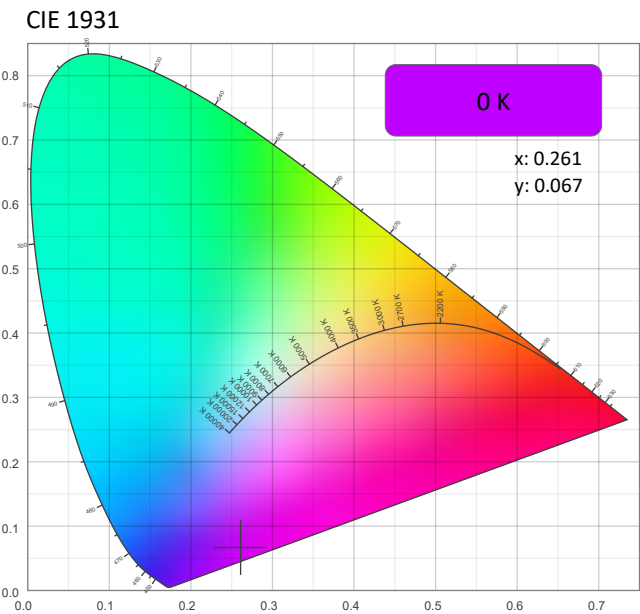
### ISO Lux Diagram



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Magenta

## Chromaticity



CRI: 0.0 (R1-R8)

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|
|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0 |
| R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |   |

CQS: 0.0

|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|---|
|    |    |    |    |    |    |    |    |    |     |     |     |     |     |     |   |
| 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0 |
| Q1 | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 | Q11 | Q12 | Q13 | Q14 | Q15 |   |

### Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 0 K               | 0.261                     | 0.067                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| n/a                                   | 0.067                     | 0.318                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 0.0                   | 0.0           | 0.0                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| n/a                                   | 0.0            | 0.0         |



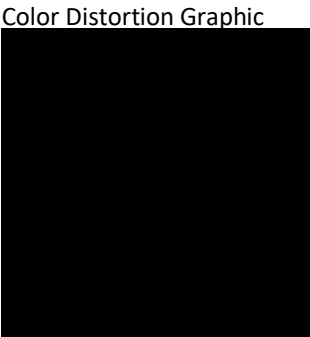
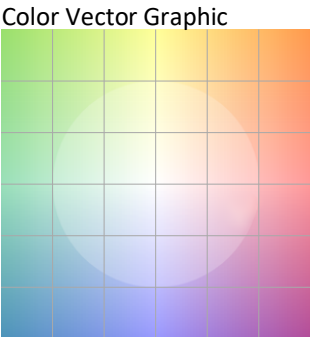
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/Magenta

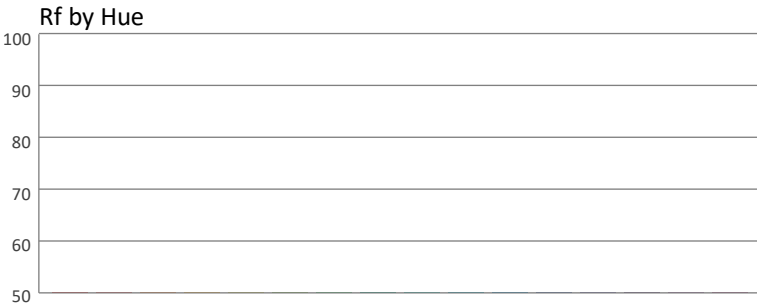
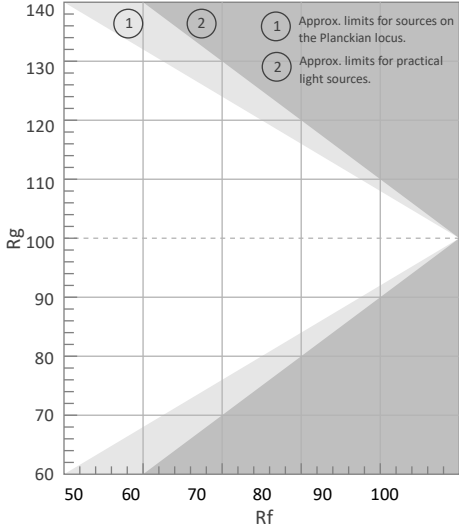
## TM-30 Details

**Rf 0.0**  
Fidelity Index  
(Rg)

**Rg 0.0**  
Gammut Index (Rg)



|         |    | Graphic shifts (%) |     |  |
|---------|----|--------------------|-----|--|
| Hue Bin | Rf | Chroma             | Hue |  |
| 1       | 0  | 0%                 | 0%  |  |
| 2       | 0  | 0%                 | 0%  |  |
| 3       | 0  | 0%                 | 0%  |  |
| 4       | 0  | 0%                 | 0%  |  |
| 5       | 0  | 0%                 | 0%  |  |
| 6       | 0  | 0%                 | 0%  |  |
| 7       | 0  | 0%                 | 0%  |  |
| 8       | 0  | 0%                 | 0%  |  |
| 9       | 0  | 0%                 | 0%  |  |
| 10      | 0  | 0%                 | 0%  |  |
| 11      | 0  | 0%                 | 0%  |  |
| 12      | 0  | 0%                 | 0%  |  |
| 13      | 0  | 0%                 | 0%  |  |
| 14      | 0  | 0%                 | 0%  |  |
| 15      | 0  | 0%                 | 0%  |  |
| 16      | 0  | 0%                 | 0%  |  |



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -Yellow

## Report Summary

### Measurements

Fixture Output: 3800 lm

Fixture Peak: 34023 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1334 lux

Color Temperature: 2560 K

CRI: 55.7      CRI R9 Value: 0.5

CQS: 0.4

TLCI: 3

TM-30 Rf: 24.5

TM-30 Rg: 18.0

Beam Angle (50%): 20.5°

Field Angle (10%): 24.4°

Cutoff Angle (3%): 25.2°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

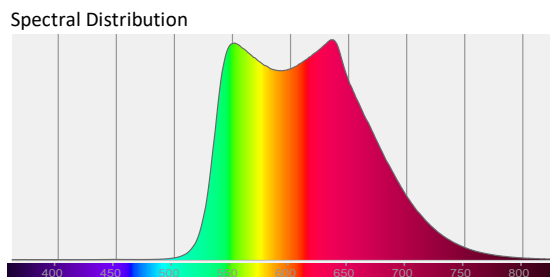
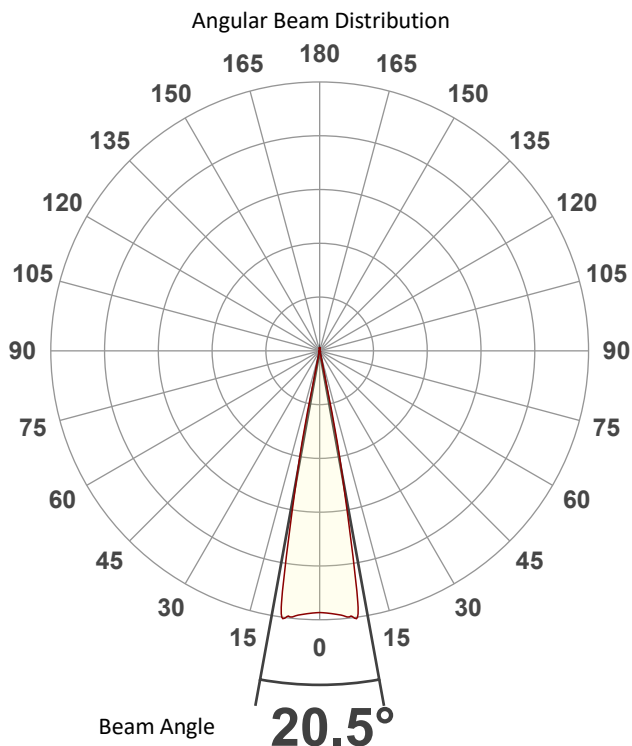
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.513

Y: 0.482



Light Quality

CRI: 55.7

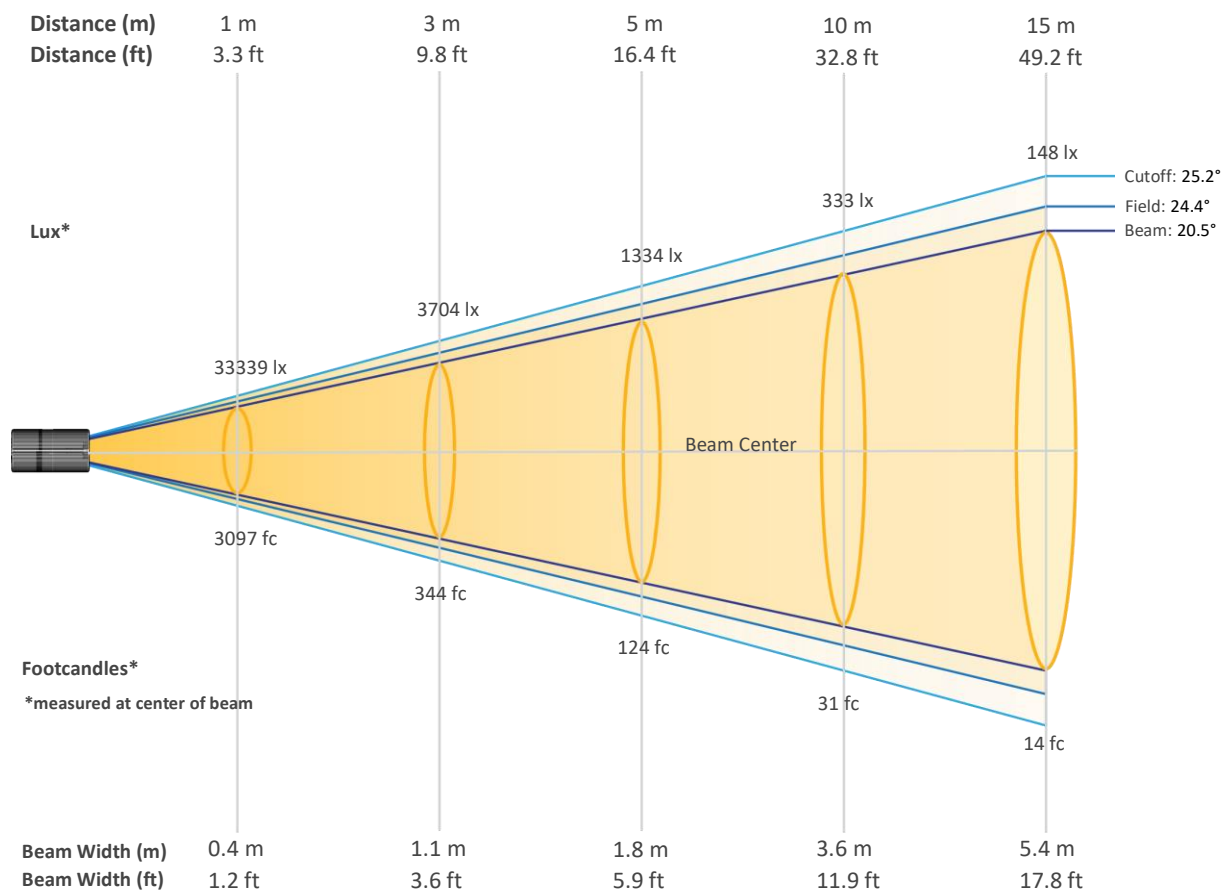
Color Temperature

2560 K

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -Yellow

## Beam Details

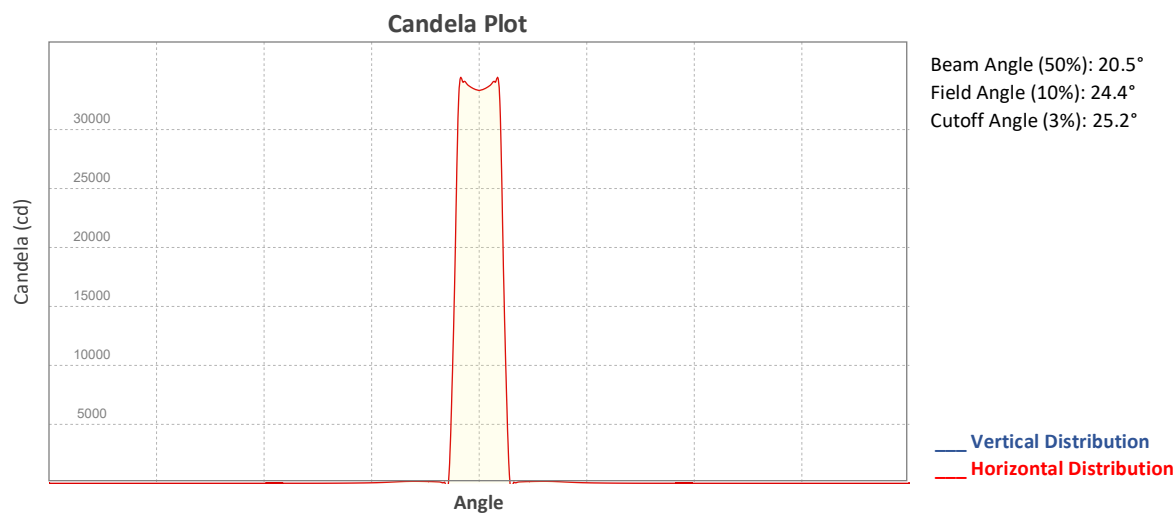


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 33339  | 8335   | 3704   | 2084   | 1334   | 926    | 680    | 521    | 412    | 333    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 276    | 232    | 197    | 170    | 148    | 130    | 115    | 103    | 92     | 83     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 3097   | 774    | 344    | 194    | 124    | 86     | 63     | 48     | 38     | 31     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 26     | 22     | 18     | 16     | 14     | 12     | 11     | 10     | 9      | 8      |

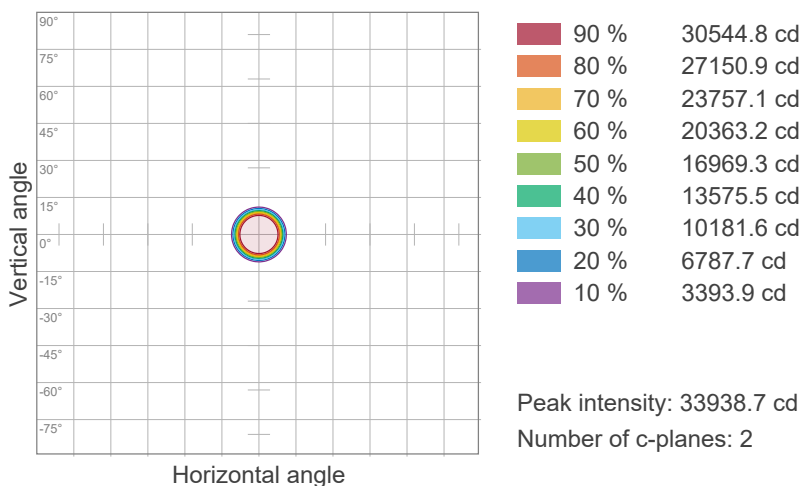
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -Yellow

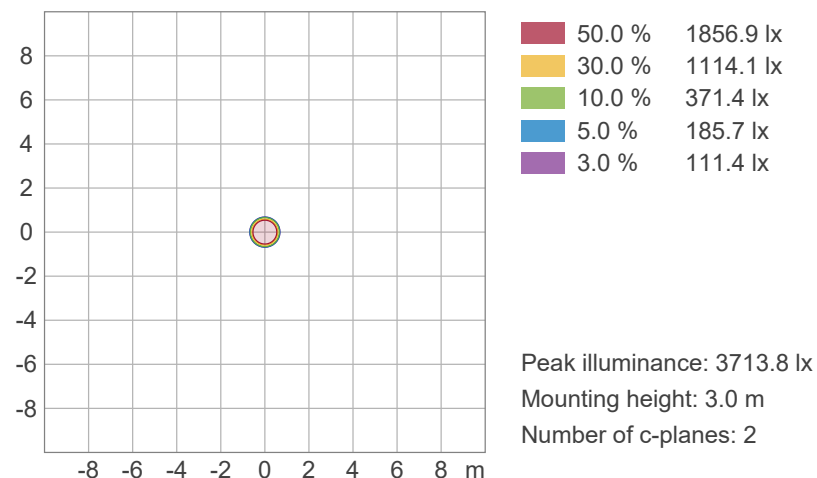


## ISO Diagrams

### ISO Candela Diagram



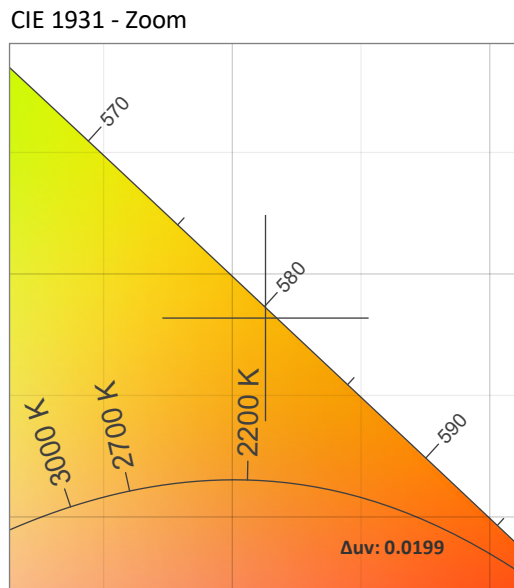
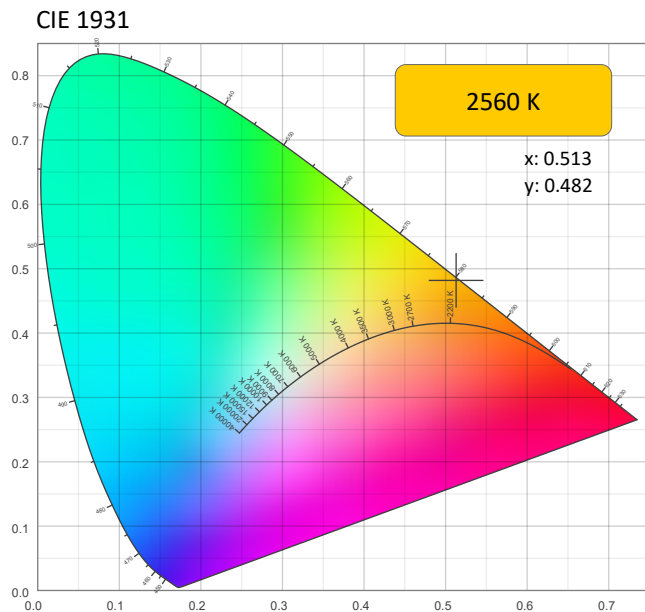
### ISO Lux Diagram



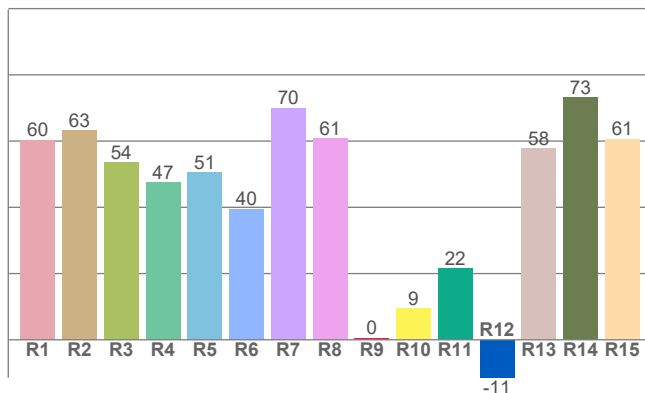
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -Yellow

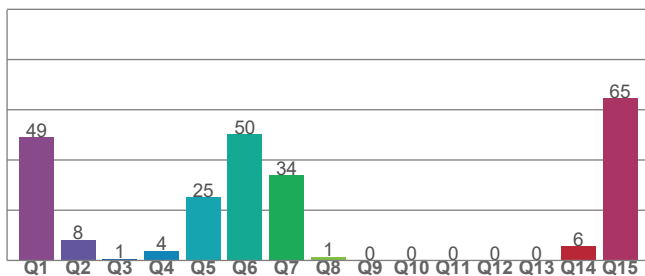
## Chromaticity



CRI: 55.7 (R1-R8)



CQS: 0.4



## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 2560 K            | 0.513                     | 0.482                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| 0.0199                                | 0.482                     | 0.265                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 55.7                  | 0.5           | 0.4                 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 3                                     | 24.5           | 18.0        |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -Yellow

## TM-30 Details

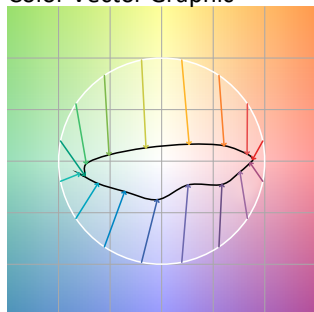
**Rf 24.5**

Fidelity Index  
(Rg)

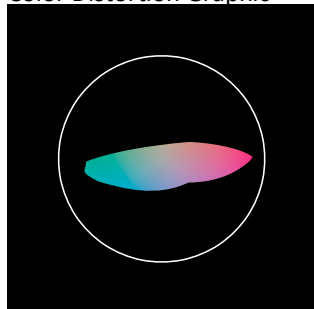
**Rg 18.0**

Gammut Index (Rg)

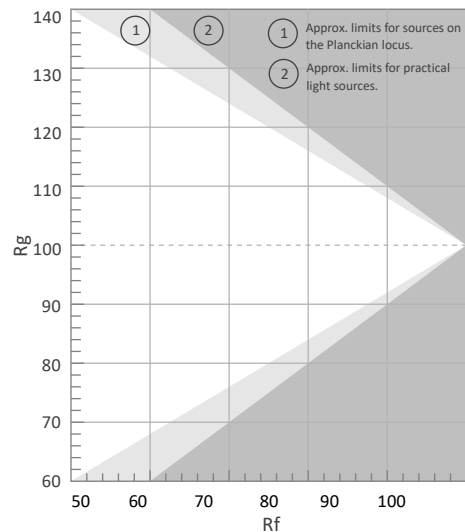
Color Vector Graphic



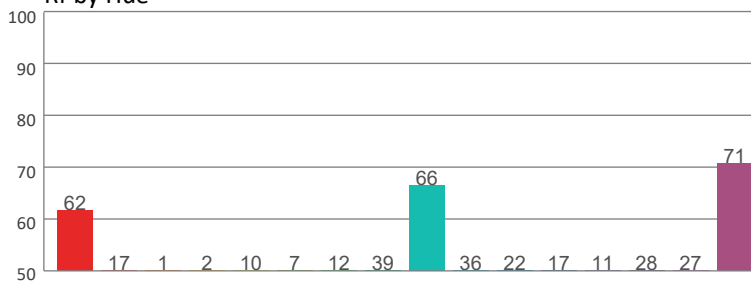
Color Distortion Graphic



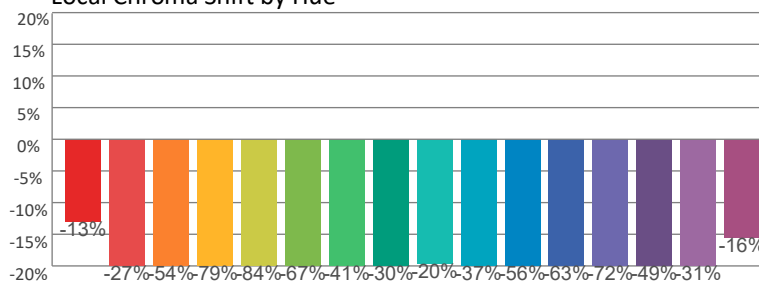
| Hue Bin | Rf | Graphic shifts (%) |      |
|---------|----|--------------------|------|
|         |    | Chroma             | Hue  |
| 1       | 62 | -13%               | -15% |
| 2       | 17 | -27%               | -40% |
| 3       | 1  | -54%               | -42% |
| 4       | 2  | -79%               | -23% |
| 5       | 10 | -84%               | 12%  |
| 6       | 7  | -67%               | 39%  |
| 7       | 12 | -41%               | 43%  |
| 8       | 39 | -30%               | 28%  |
| 9       | 66 | -20%               | -4%  |
| 10      | 36 | -37%               | -16% |
| 11      | 22 | -56%               | -13% |
| 12      | 17 | -63%               | 3%   |
| 13      | 11 | -72%               | 21%  |
| 14      | 28 | -49%               | 36%  |
| 15      | 27 | -31%               | 33%  |
| 16      | 71 | -16%               | 15%  |



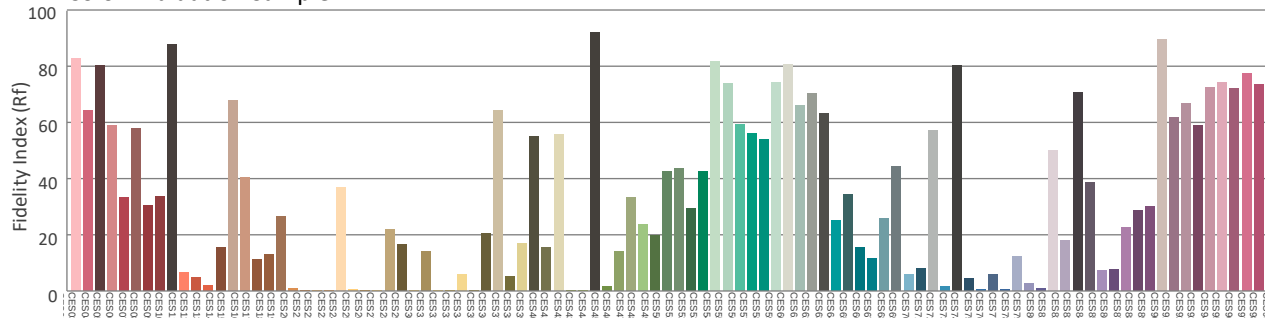
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 3200K

## Report Summary

### Measurements

Fixture Output: 2560 lm

Fixture Peak: 24772 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 991 lux

Color Temperature: 3194 K

CRI: 84.4 CRI R9 Value: 68.9

CQS: 82.9

TLCI: 73

TM-30 Rf: 84.6

TM-30 Rg: 100.1

Beam Angle (50%): 20°

Field Angle (10%): 22.6°

Cutoff Angle (3%): 26.3°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

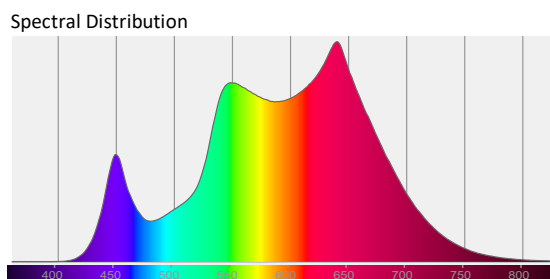
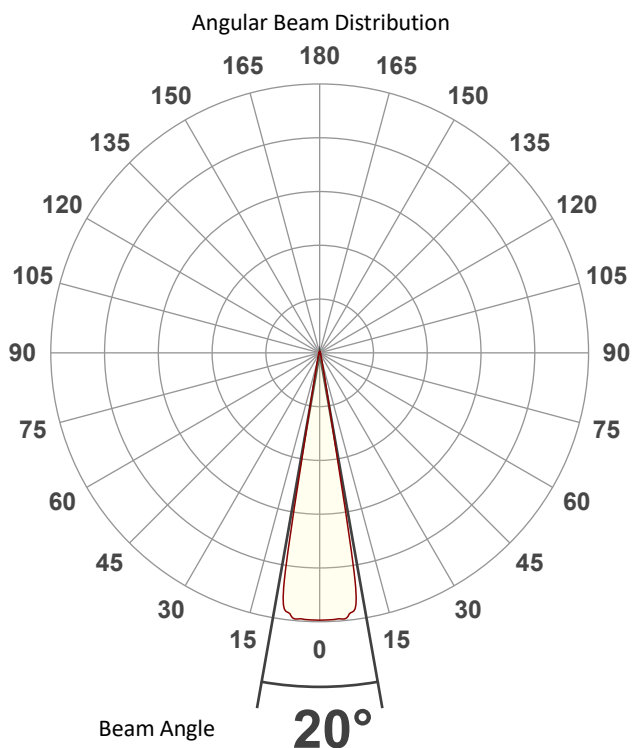
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

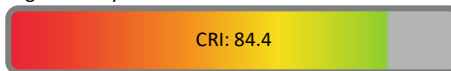
X: 0.428

Y: 0.408



Light Quality

CRI: 84.4



Color Temperature

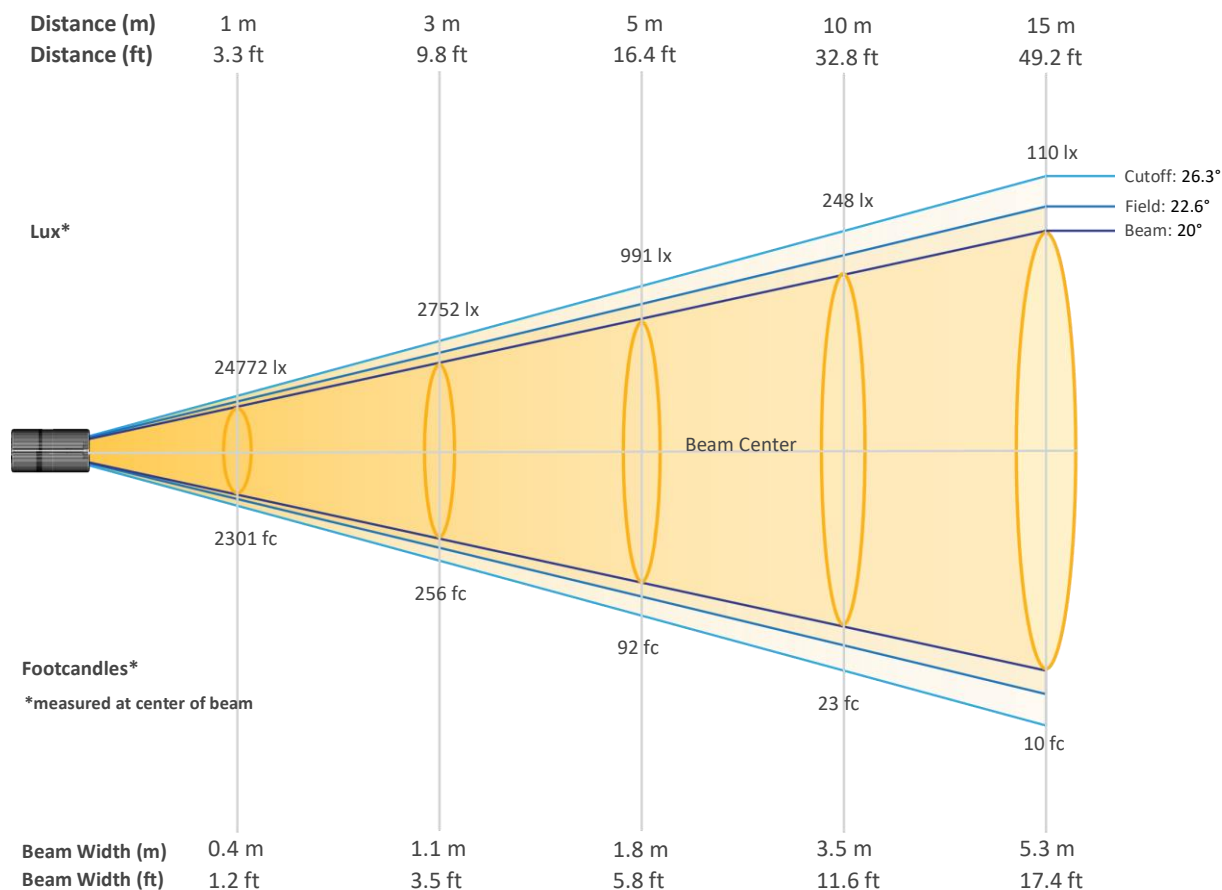
3194 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 3200K

## Beam Details

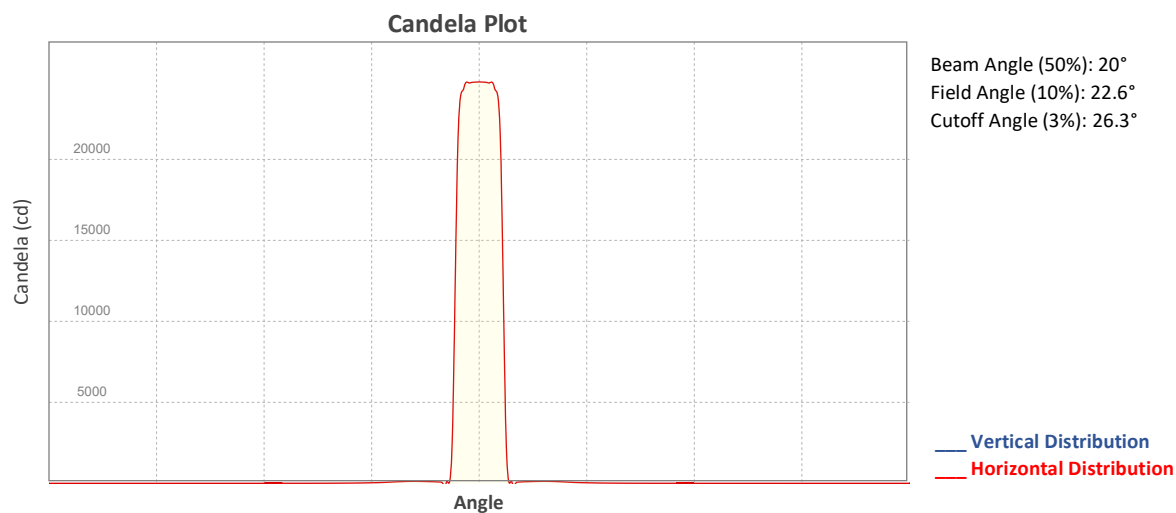


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 24772  | 6193   | 2752   | 1548   | 991    | 688    | 506    | 387    | 306    | 248    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 205    | 172    | 147    | 126    | 110    | 97     | 86     | 76     | 69     | 62     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 2301   | 575    | 256    | 144    | 92     | 64     | 47     | 36     | 28     | 23     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 19     | 16     | 14     | 12     | 10     | 9      | 8      | 7      | 6      | 6      |

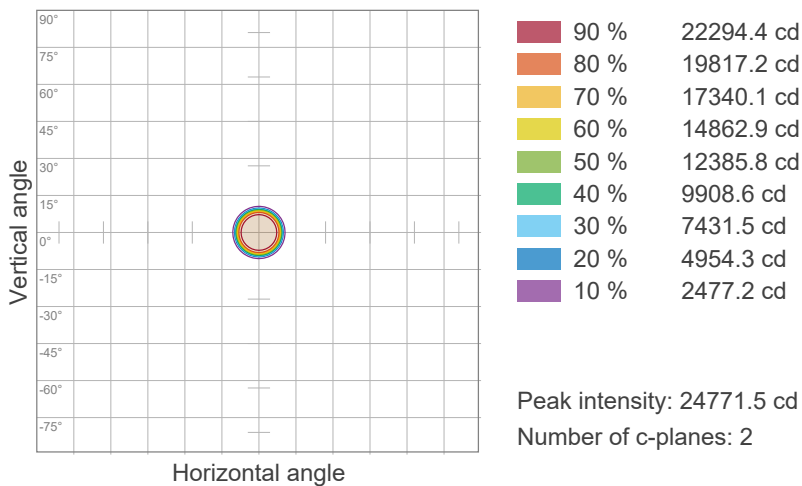
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 3200K

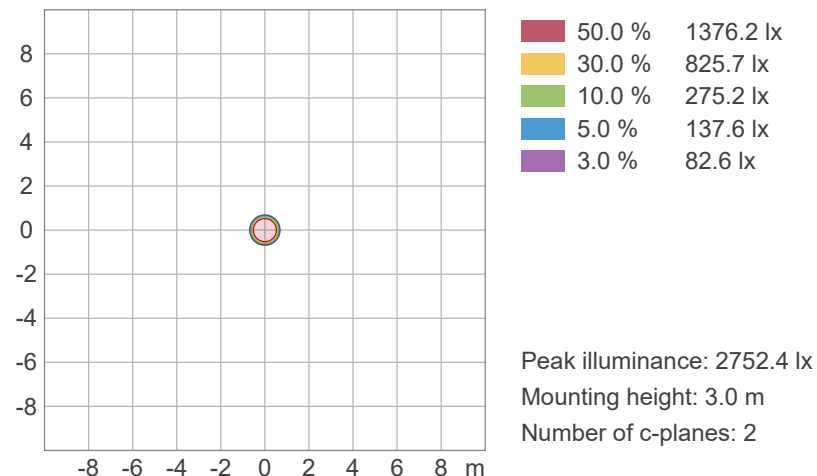


## ISO Diagrams

### ISO Candela Diagram



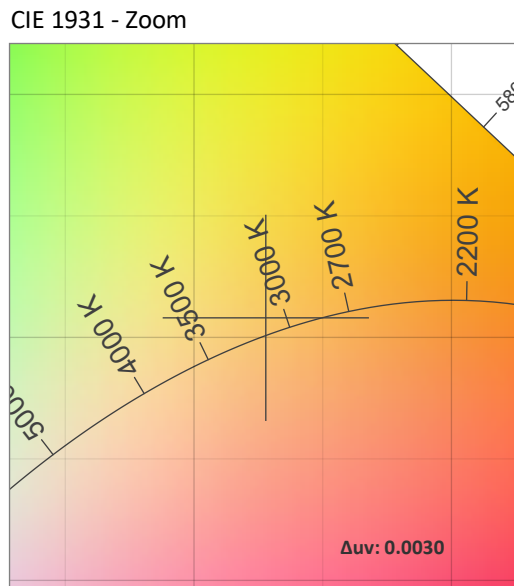
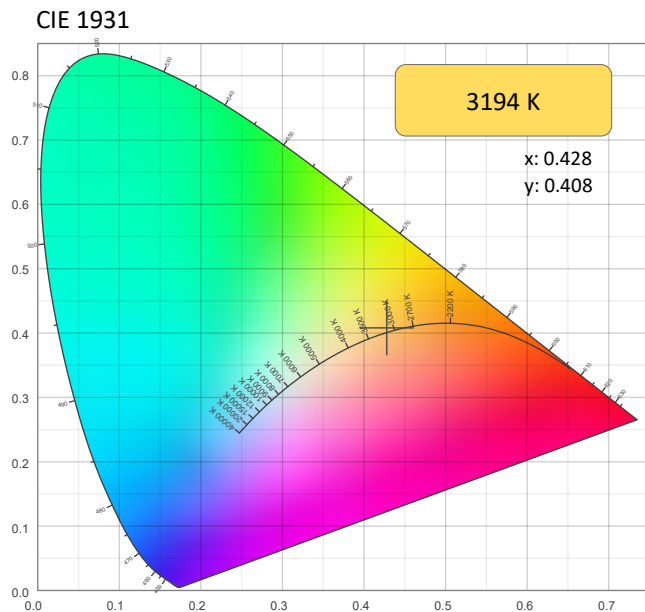
### ISO Lux Diagram



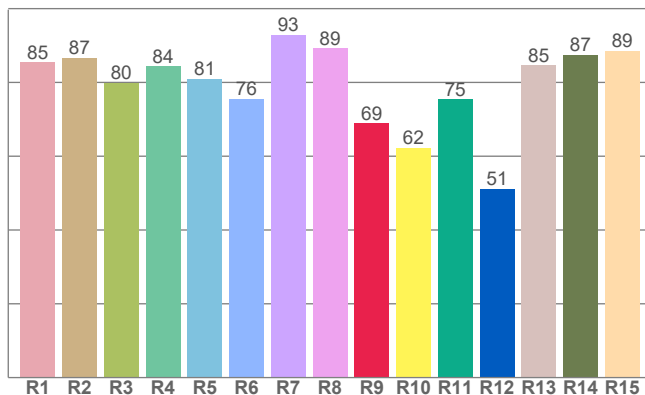
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 3200K

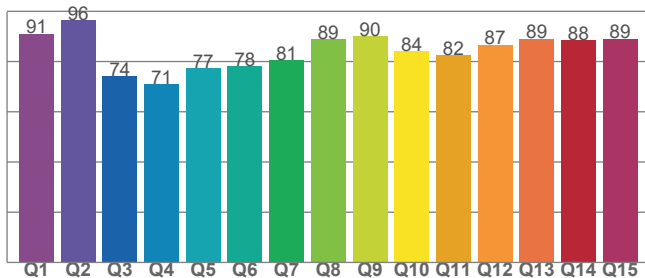
## Chromaticity



CRI: 84.4 (R1-R8)



CQS: 82.9



## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3194 K            | 0.428                     | 0.408                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| 0.0030                                | 0.408                     | 0.243                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 84.4                  | 68.9          | 82.9                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 73                                    | 84.6           | 100.1       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 3200K

## TM-30 Details

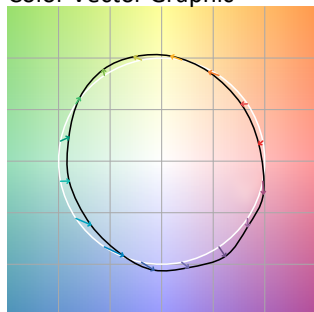
**Rf 84.6**

Fidelity Index  
(Rg)

**Rg 100.1**

Gammut Index (Rg)

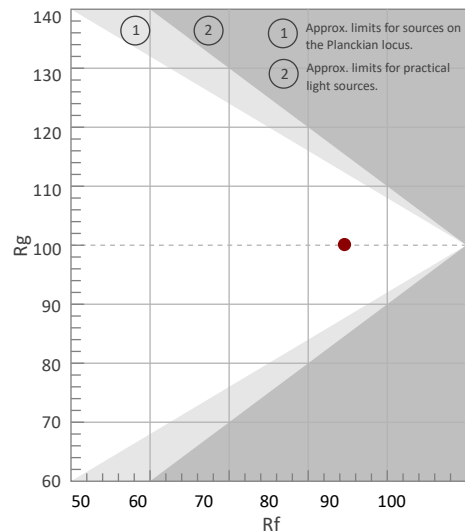
Color Vector Graphic



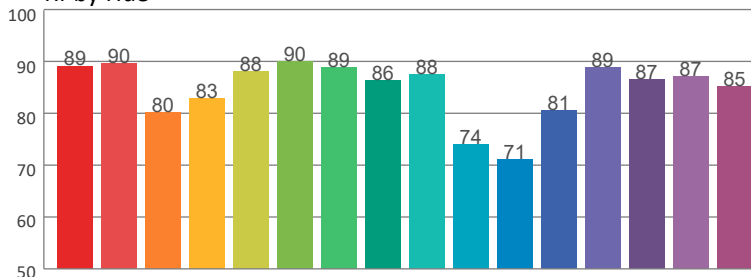
Color Distortion Graphic



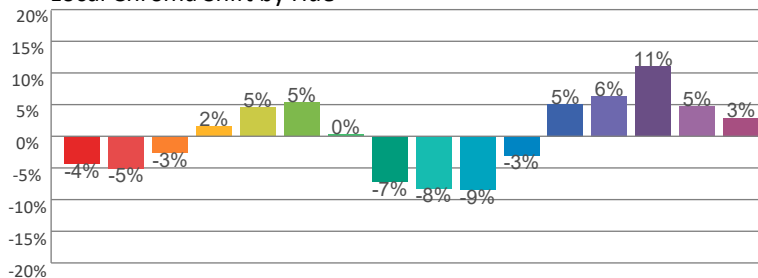
|         |                | Graphic shifts (%) |      |
|---------|----------------|--------------------|------|
| Hue Bin | R <sub>f</sub> | Chroma             | Hue  |
| 1       | 89             | -4%                | -3%  |
| 2       | 90             | -5%                | 3%   |
| 3       | 80             | -3%                | 10%  |
| 4       | 83             | 2%                 | 11%  |
| 5       | 88             | 5%                 | 6%   |
| 6       | 90             | 5%                 | -2%  |
| 7       | 89             | 0%                 | -7%  |
| 8       | 86             | -7%                | -5%  |
| 9       | 88             | -8%                | 1%   |
| 10      | 74             | -9%                | 13%  |
| 11      | 71             | -3%                | 20%  |
| 12      | 81             | 5%                 | 13%  |
| 13      | 89             | 6%                 | 5%   |
| 14      | 87             | 11%                | 0%   |
| 15      | 87             | 5%                 | -6%  |
| 16      | 85             | 3%                 | -12% |



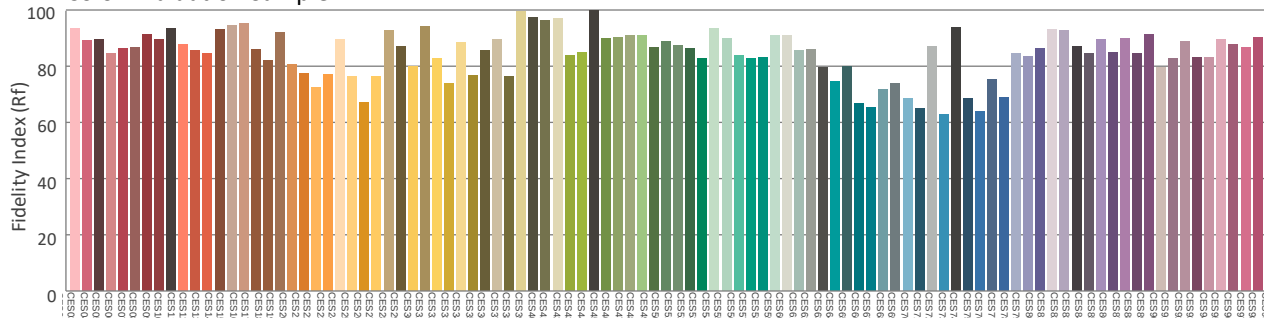
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 4000K

## Report Summary

### Measurements

Fixture Output: 3576 lm

Fixture Peak: 32759 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1305 lux

Color Temperature: 4009 K

CRI: 90.2      CRI R9 Value: 77.8

CQS: 87.7

TLCI: 86

TM-30 Rf: 88.4

TM-30 Rg: 100.3

Beam Angle (50%): 20.8°

Field Angle (10%): 24.2°

Cutoff Angle (3%): 24.9°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

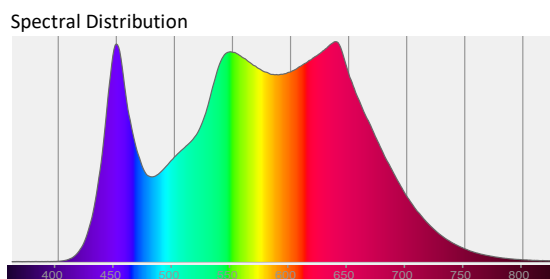
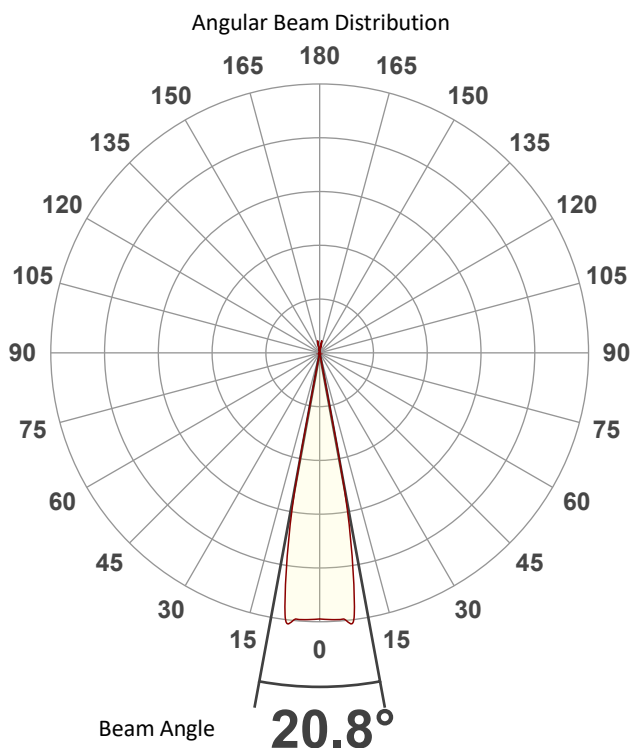
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

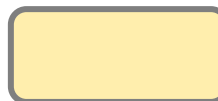
## Overall Measurement



Tested Color (CIE 1931):

X: 0.379

Y: 0.373



Light Quality

CRI: 90.2



Color Temperature

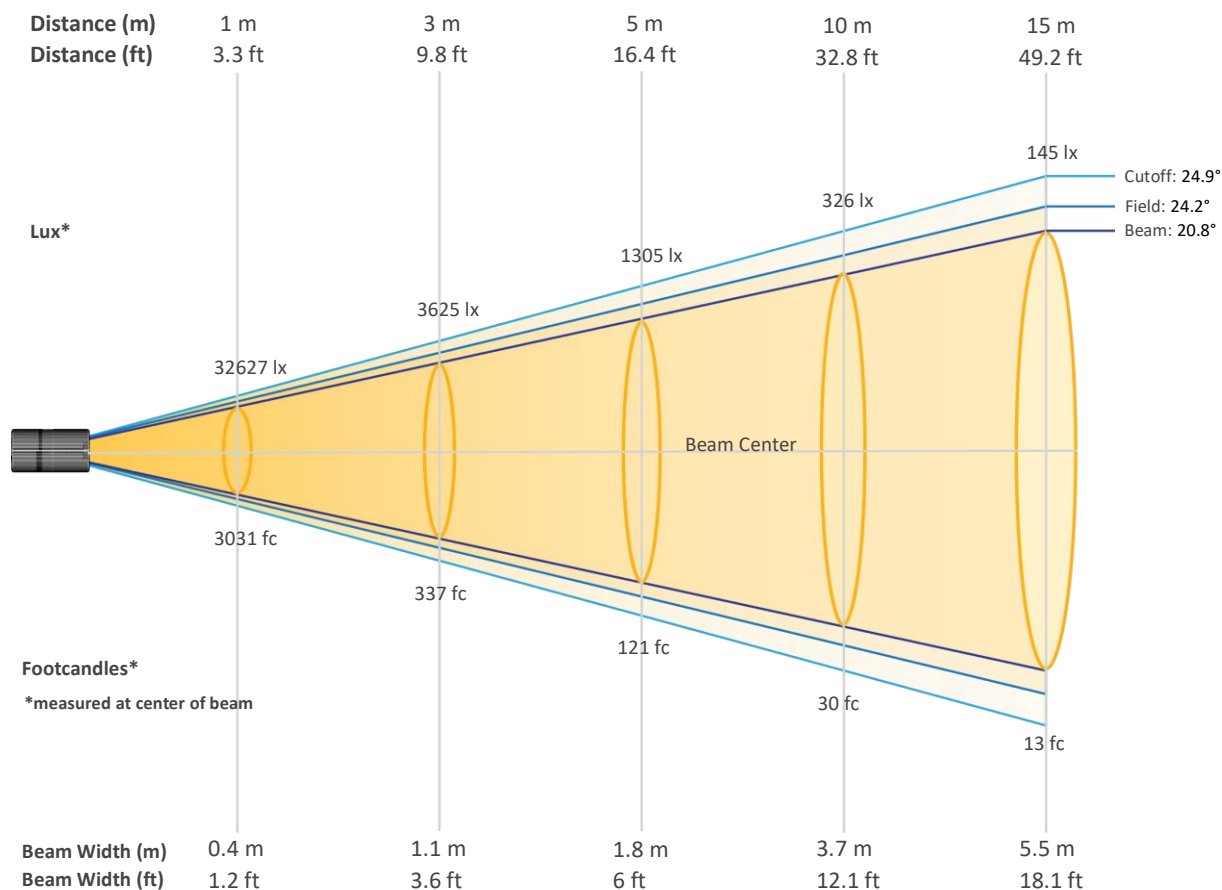
4009 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 4000K

## Beam Details

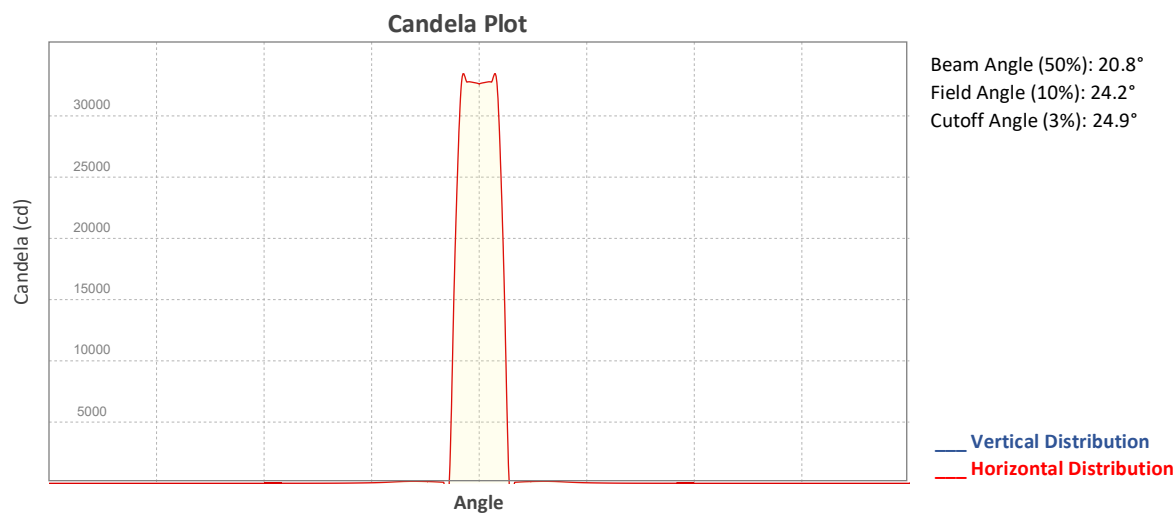


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 32627  | 8157   | 3625   | 2039   | 1305   | 906    | 666    | 510    | 403    | 326    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 270    | 227    | 193    | 166    | 145    | 127    | 113    | 101    | 90     | 82     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 3031   | 758    | 337    | 189    | 121    | 84     | 62     | 47     | 37     | 30     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 25     | 21     | 18     | 15     | 13     | 12     | 10     | 9      | 8      | 8      |

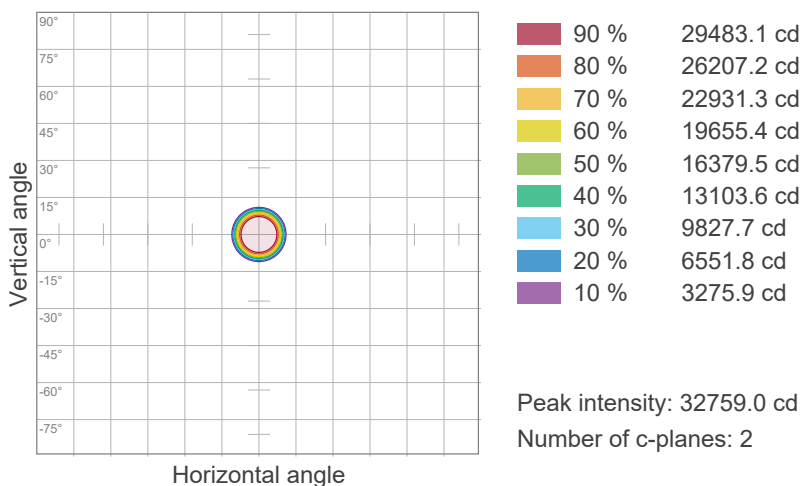
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 4000K

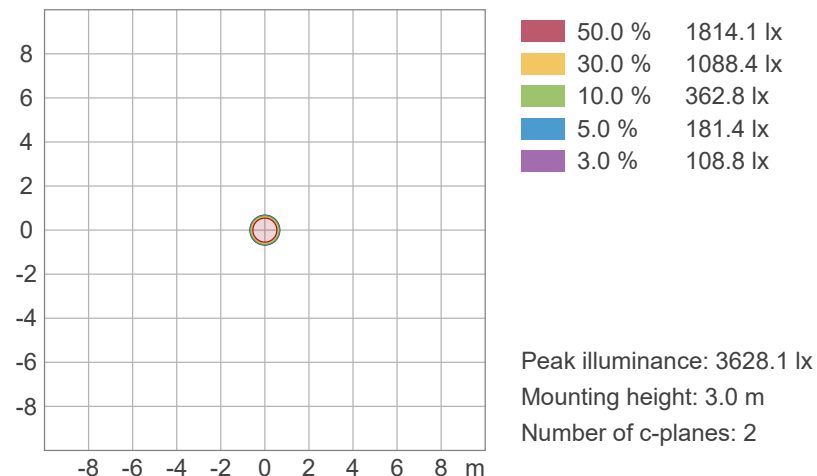


## ISO Diagrams

### ISO Candela Diagram



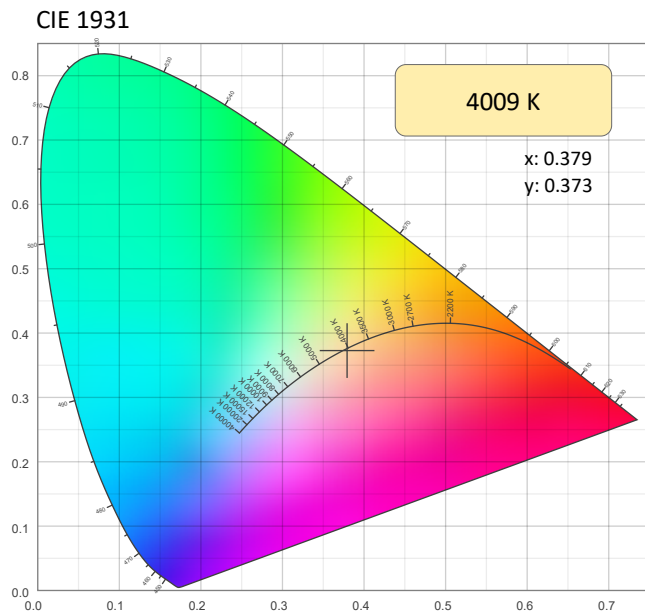
### ISO Lux Diagram



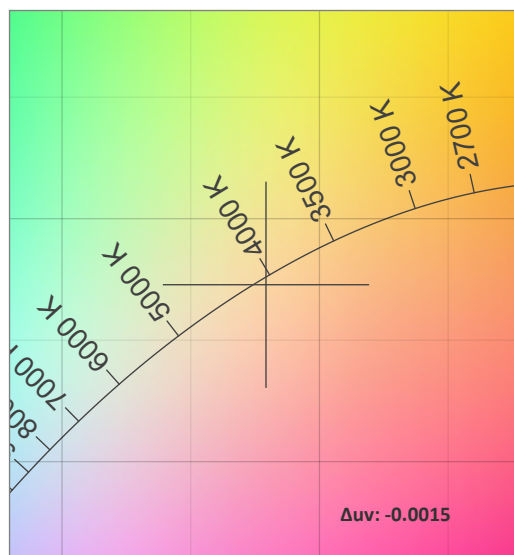
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 4000K

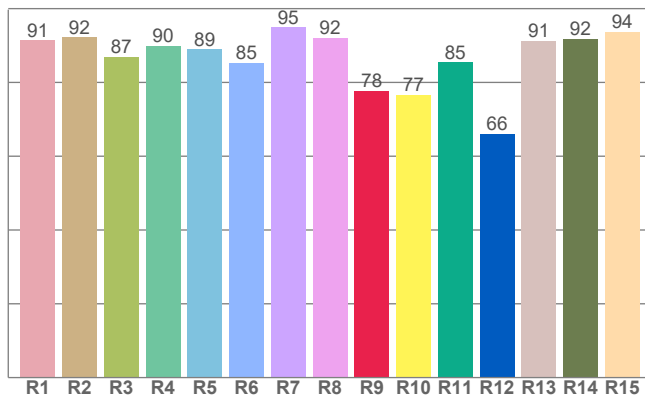
## Chromaticity



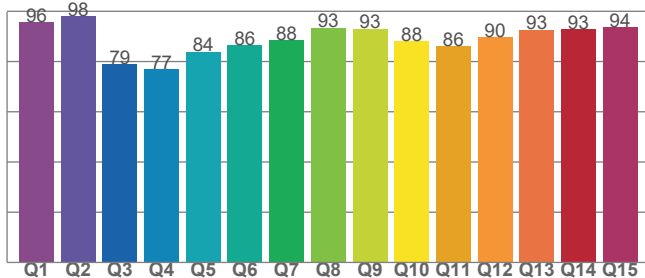
CIE 1931 - Zoom



CRI: 90.2 (R1-R8)



CQS: 87.7



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 4009 K            | 0.379                     | 0.373                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0015                               | 0.373                     | 0.226                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 90.2                  | 77.8          | 87.7                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 86                                    | 88.4           | 100.3       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - 4000K

## TM-30 Details

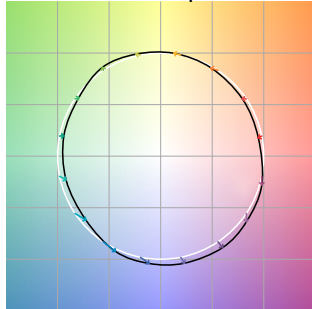
**Rf 88.4**

Fidelity Index  
(Rg)

**Rg 100.3**

Gammut Index (Rg)

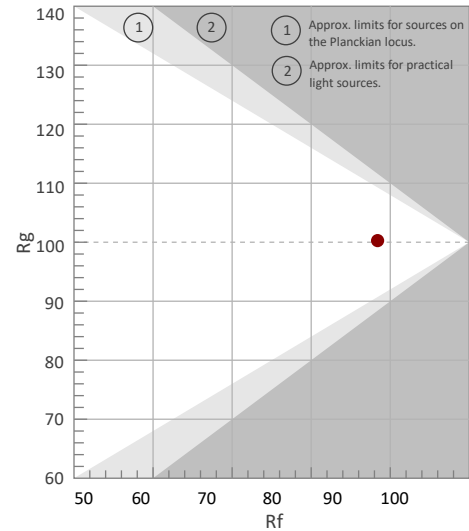
Color Vector Graphic



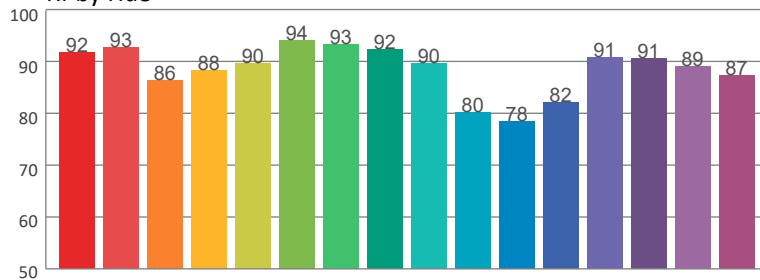
Color Distortion Graphic



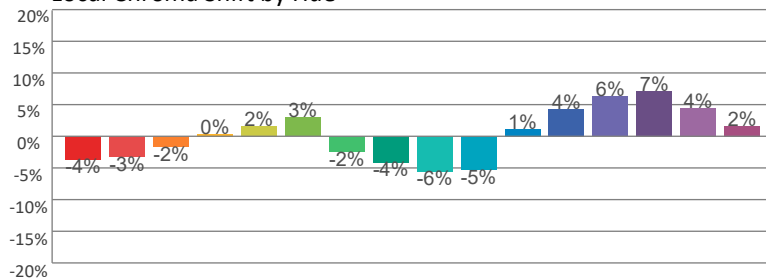
| Hue Bin | Rf | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
|         |    | Chroma             | Hue |
| 1       | 92 | -4%                | -1% |
| 2       | 93 | -3%                | 2%  |
| 3       | 86 | -2%                | 7%  |
| 4       | 88 | 0%                 | 7%  |
| 5       | 90 | 2%                 | 4%  |
| 6       | 94 | 3%                 | -1% |
| 7       | 93 | -2%                | -3% |
| 8       | 92 | -4%                | -1% |
| 9       | 90 | -6%                | 5%  |
| 10      | 80 | -5%                | 11% |
| 11      | 78 | 1%                 | 15% |
| 12      | 82 | 4%                 | 9%  |
| 13      | 91 | 6%                 | 2%  |
| 14      | 91 | 7%                 | 1%  |
| 15      | 89 | 4%                 | -7% |
| 16      | 87 | 2%                 | -8% |



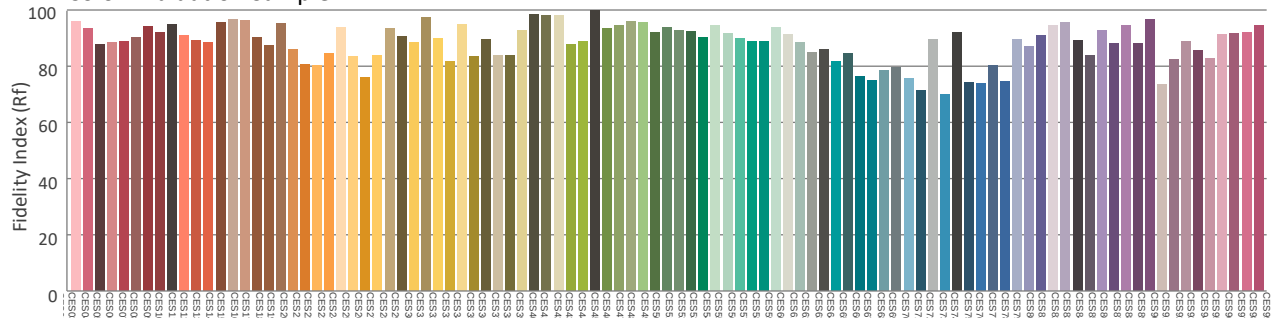
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -5600K

## Report Summary

### Measurements

Fixture Output: 4251 lm

Fixture Peak: 40813 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1633 lux

Color Temperature: 5604 K

CRI: 95.9 CRI R9 Value: 91.5

CQS: 93.2

TLCI: 98

TM-30 Rf: 92.9

TM-30 Rg: 102.9

Beam Angle (50%): 20.1°

Field Angle (10%): 23.3°

Cutoff Angle (3%): 27.1°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

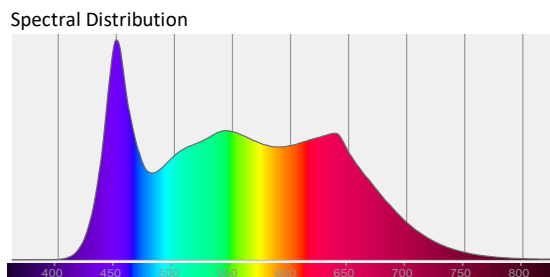
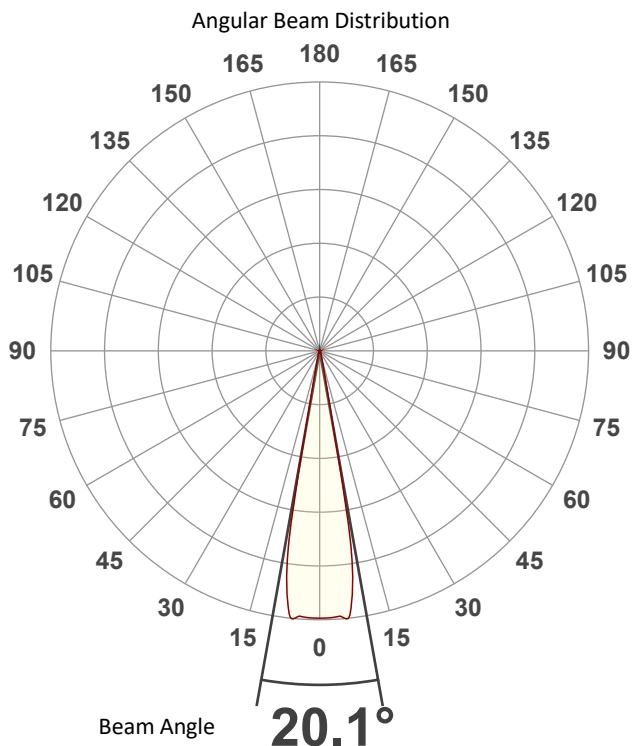
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.330

Y: 0.332

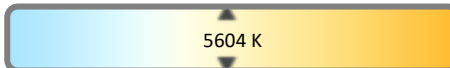


Light Quality

CRI: 95.9

Color Temperature

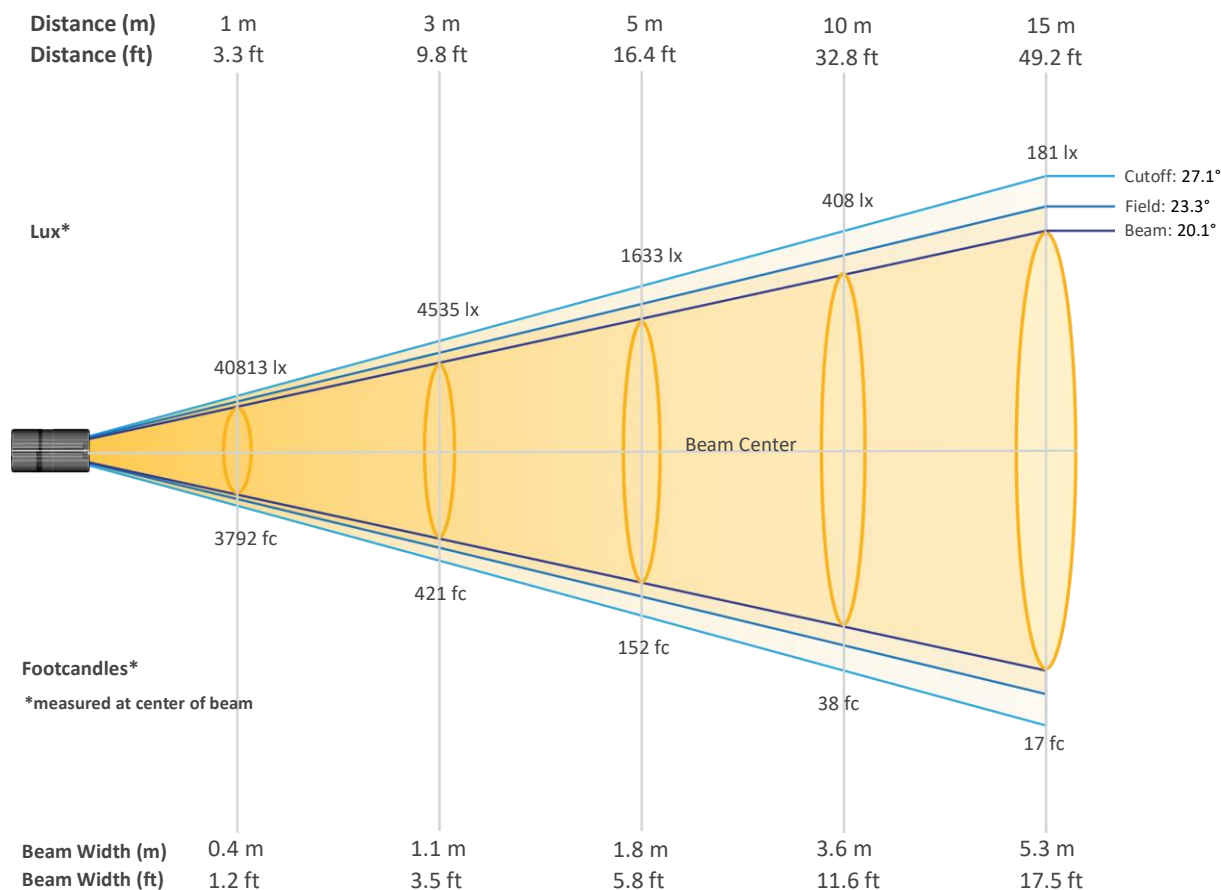
5604 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -5600K

## Beam Details

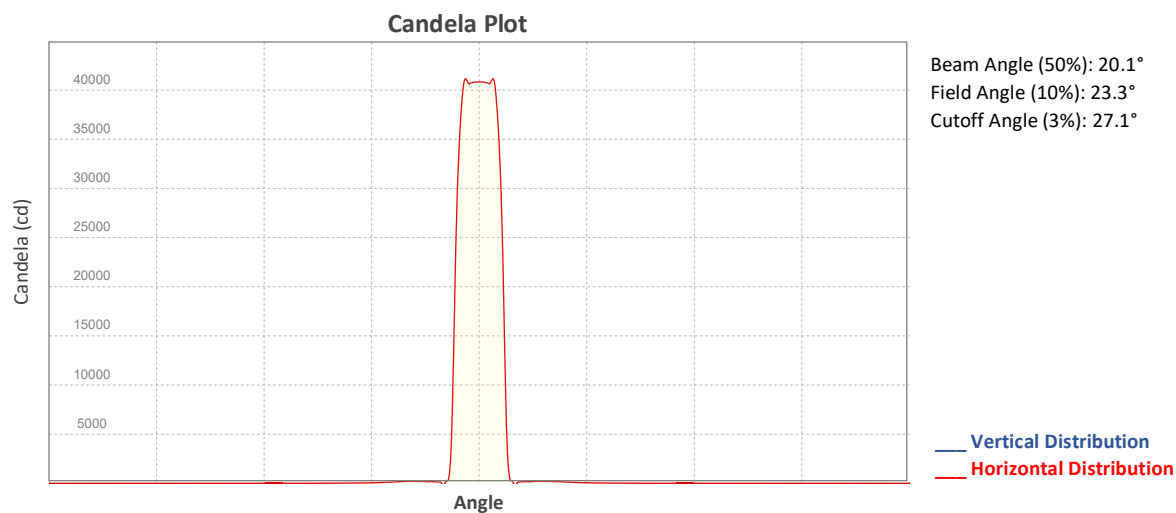


## Beam Intensities from 1-20m (3.3-65.6ft)

| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux      | 40813  | 10203  | 4535   | 2551   | 1633   | 1134   | 833    | 638    | 504    | 408    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 337    | 283    | 241    | 208    | 181    | 159    | 141    | 126    | 113    | 102    |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 3792   | 948    | 421    | 237    | 152    | 105    | 77     | 59     | 47     | 38     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 31     | 26     | 22     | 19     | 17     | 15     | 13     | 12     | 11     | 9      |

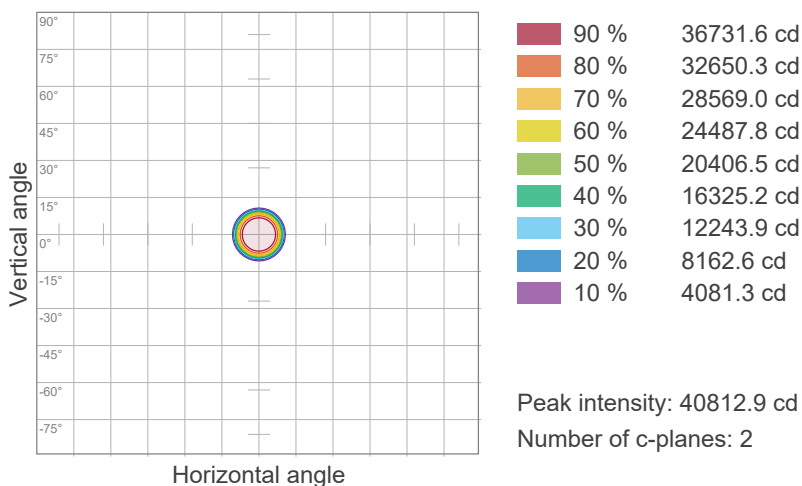
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -5600K

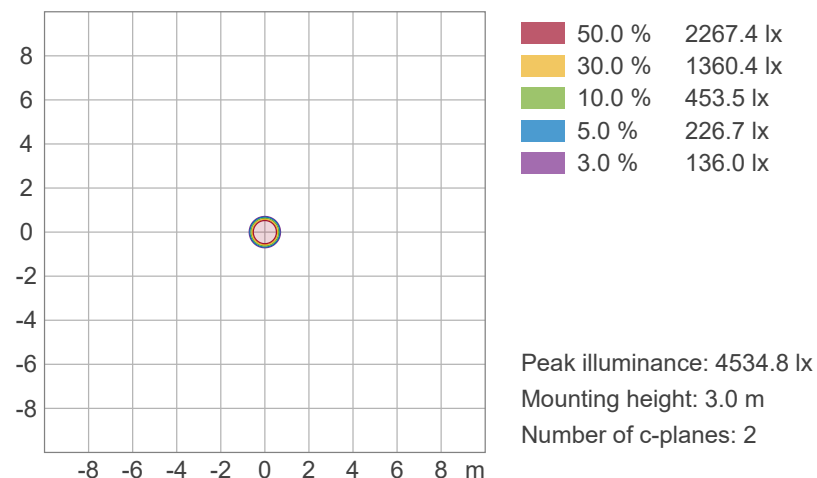


## ISO Diagrams

### ISO Candela Diagram



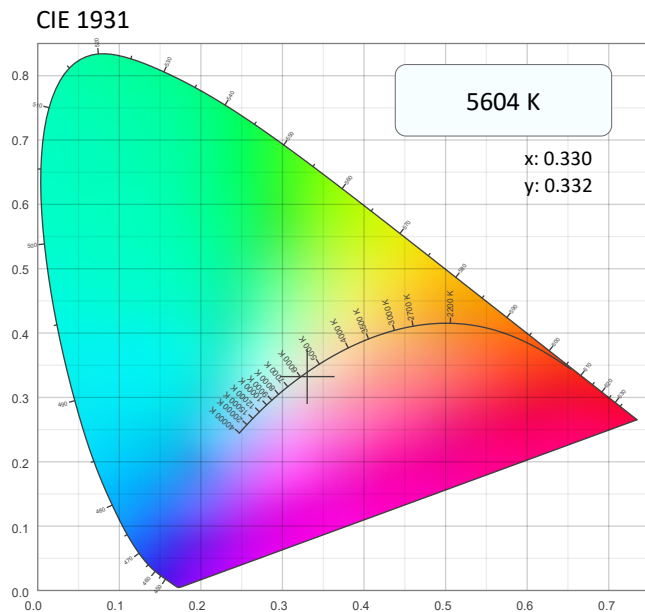
### ISO Lux Diagram



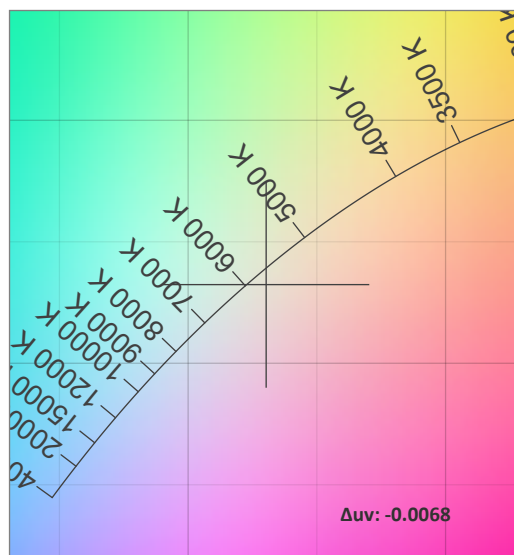
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -5600K

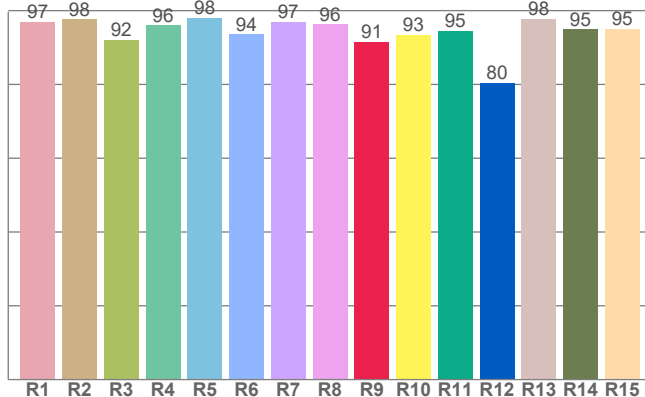
## Chromaticity



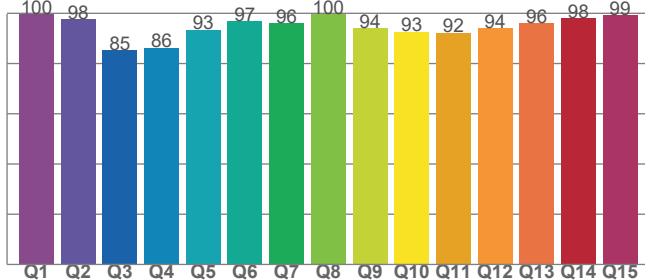
CIE 1931 - Zoom



CRI: 95.9 (R1-R8)



CQS: 93.2



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 5604 K            | 0.330                     | 0.332                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0068                               | 0.332                     | 0.209                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.9                  | 91.5          | 93.2                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 98                                    | 92.9           | 102.9       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -5600K

## TM-30 Details

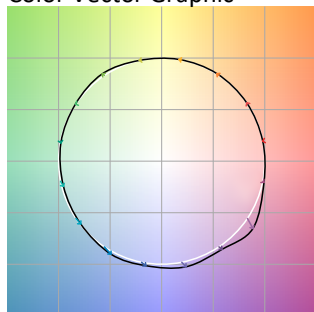
**Rf 92.9**

Fidelity Index  
(Rg)

**Rg 102.9**

Gammut Index (Rg)

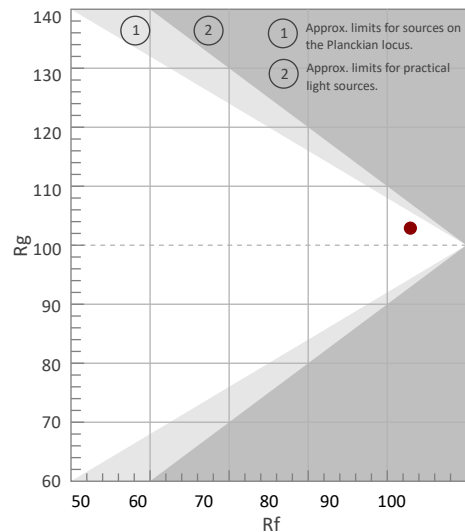
Color Vector Graphic



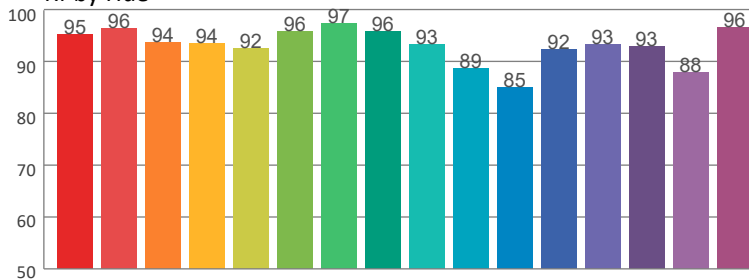
Color Distortion Graphic



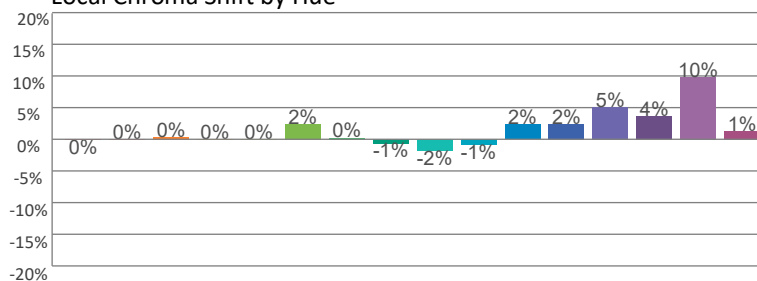
|         |    | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
| Hue Bin | Rf | Chroma             | Hue |
| 1       | 95 | 0%                 | 0%  |
| 2       | 96 | 0%                 | 1%  |
| 3       | 94 | 0%                 | 3%  |
| 4       | 94 | 0%                 | 3%  |
| 5       | 92 | 0%                 | 2%  |
| 6       | 96 | 2%                 | 1%  |
| 7       | 97 | 0%                 | 0%  |
| 8       | 96 | -1%                | 2%  |
| 9       | 93 | -2%                | 5%  |
| 10      | 89 | -1%                | 7%  |
| 11      | 85 | 2%                 | 9%  |
| 12      | 92 | 2%                 | 5%  |
| 13      | 93 | 5%                 | 3%  |
| 14      | 93 | 4%                 | 1%  |
| 15      | 88 | 10%                | -5% |
| 16      | 96 | 1%                 | -1% |



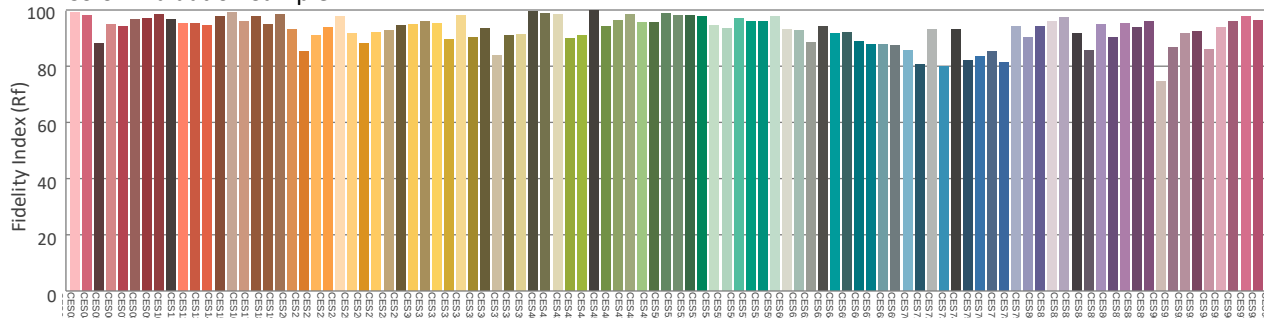
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - w/CTO

## Report Summary

### Measurements

Fixture Output: 2360 lm

Fixture Peak: 21769 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 856 lux

Color Temperature: 2487 K

CRI: 94.9      CRI R9 Value: 78.3

CQS: 88.8

TLCI: 90

TM-30 Rf: 91.4

TM-30 Rg: 103.8

Beam Angle (50%): 20.6°

Field Angle (10%): 24°

Cutoff Angle (3%): 26.6°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

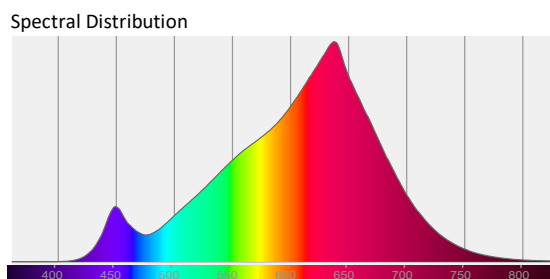
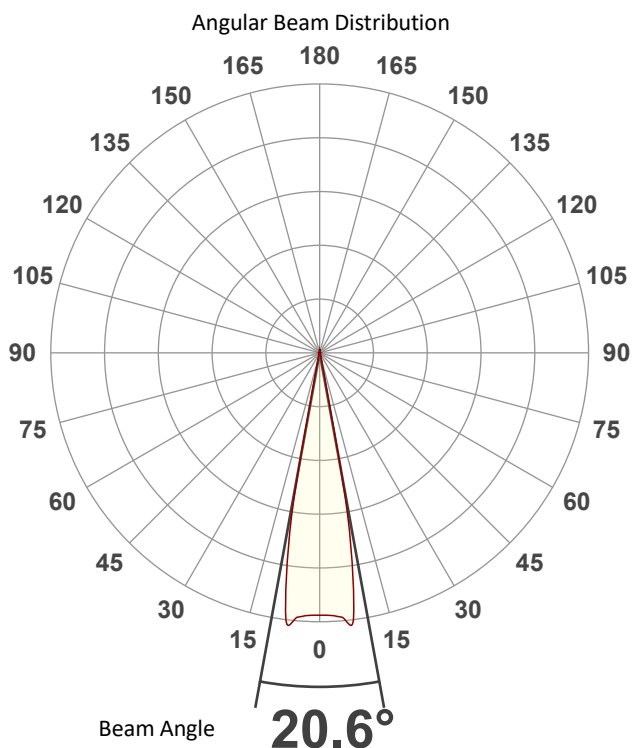
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.474

Y: 0.406



Light Quality

CRI: 94.9

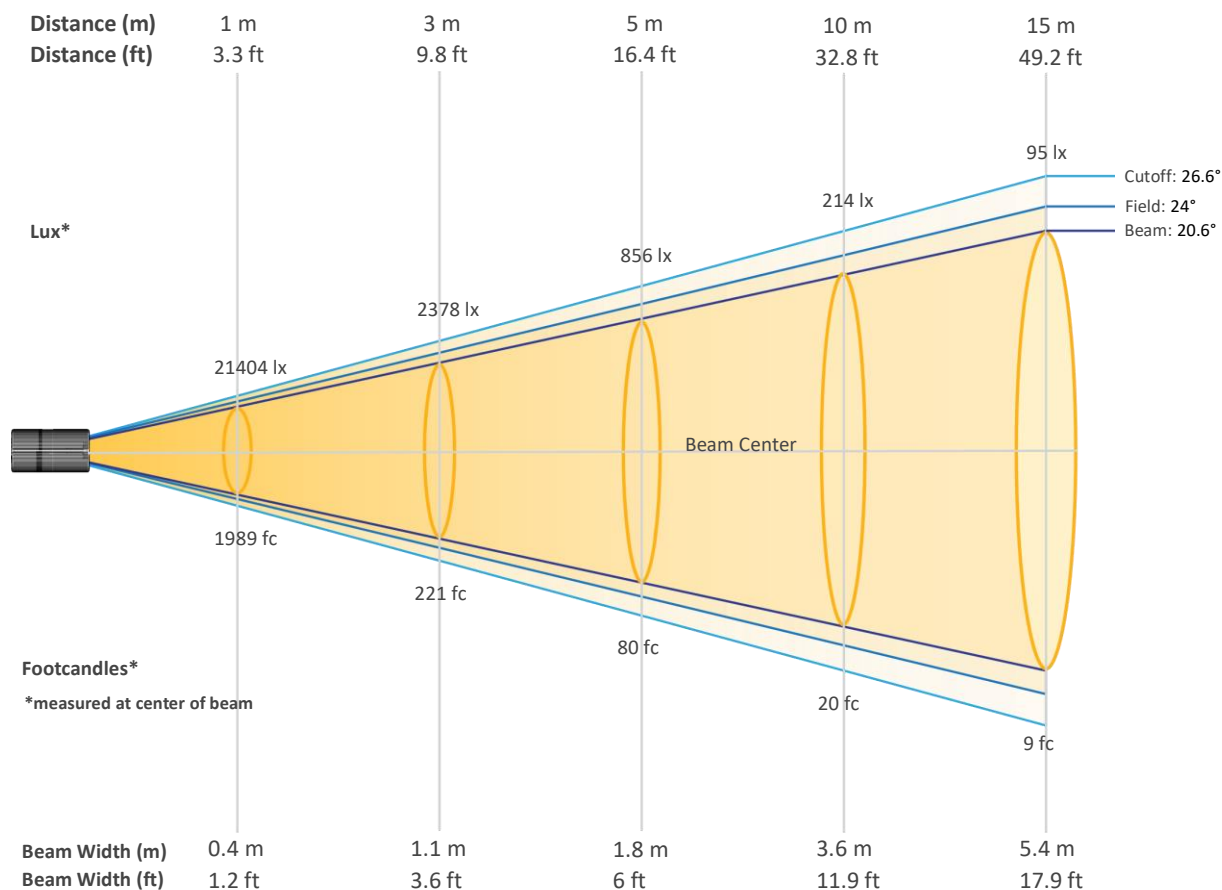
Color Temperature

2487 K

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - w/CTO

## Beam Details

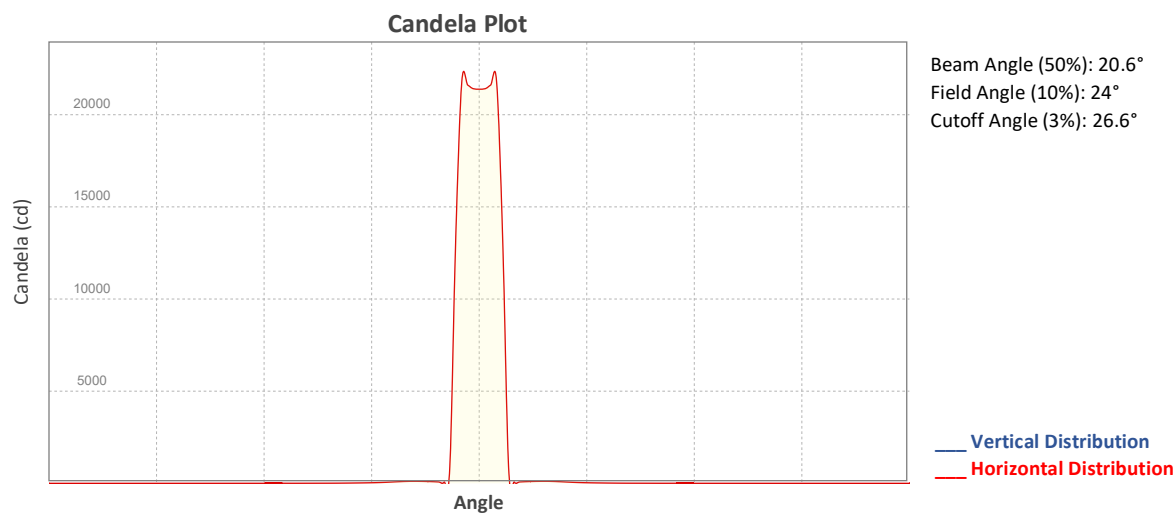


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 21404  | 5351   | 2378   | 1338   | 856    | 595    | 437    | 334    | 264    | 214    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 177    | 149    | 127    | 109    | 95     | 84     | 74     | 66     | 59     | 54     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 1989   | 497    | 221    | 124    | 80     | 55     | 41     | 31     | 25     | 20     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 16     | 14     | 12     | 10     | 9      | 8      | 7      | 6      | 6      | 5      |

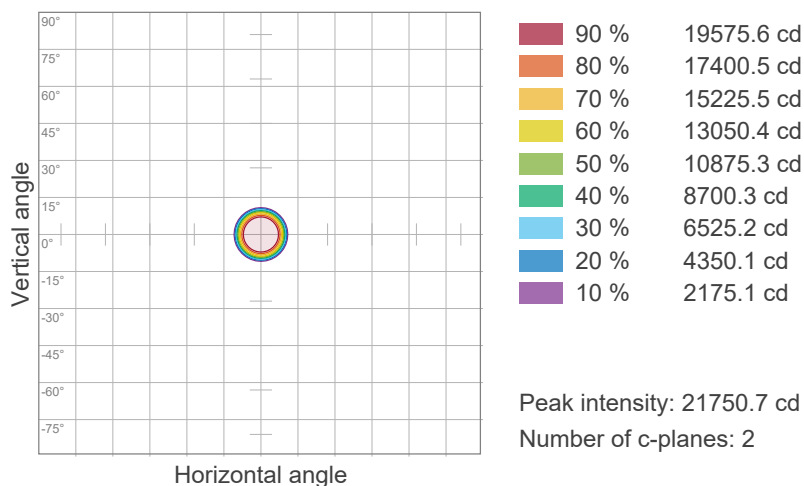
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - w/CTO

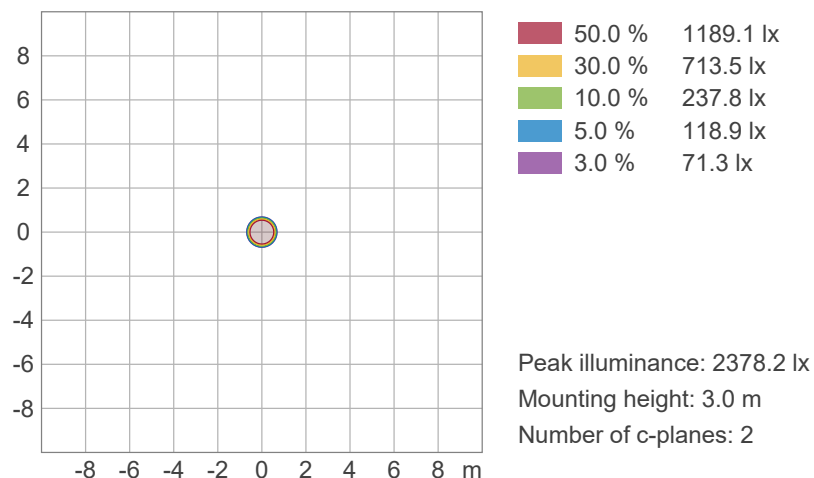


## ISO Diagrams

### ISO Candela Diagram



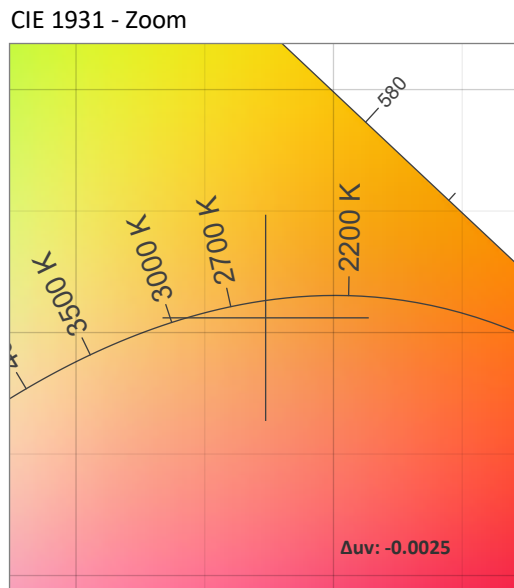
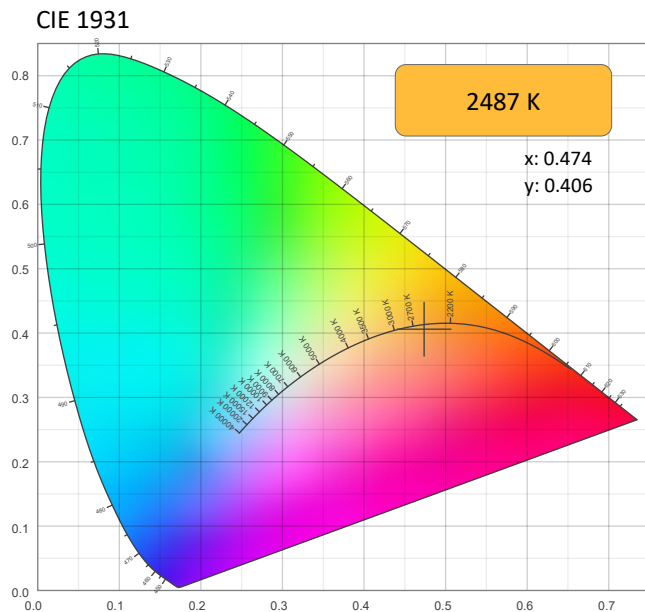
### ISO Lux Diagram



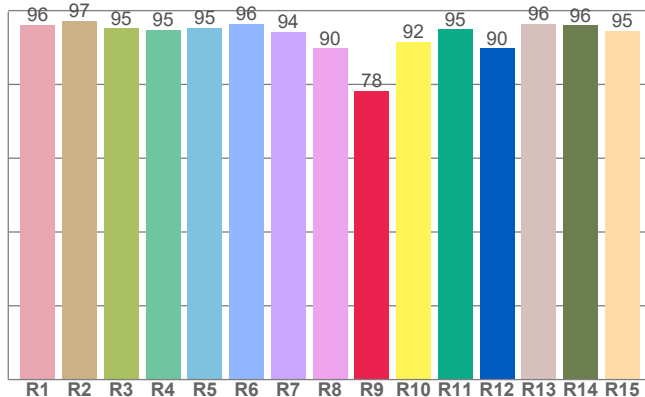
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - w/CTO

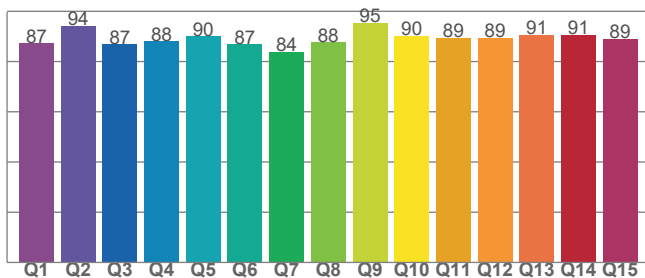
## Chromaticity



CRI: 94.9 (R1-R8)



CQS: 88.8



## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 2487 K            | 0.474                     | 0.406                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| -0.0025                               | 0.406                     | 0.274                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 94.9                  | 78.3          | 88.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 90                                    | 91.4           | 103.8       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power - w/CTO

## TM-30 Details

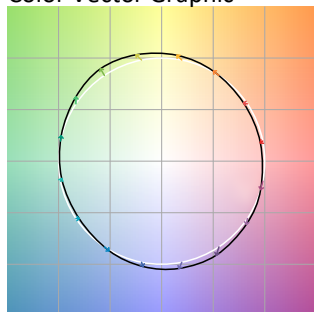
**Rf 91.4**

Fidelity Index  
(Rg)

**Rg 103.8**

Gammut Index (Rg)

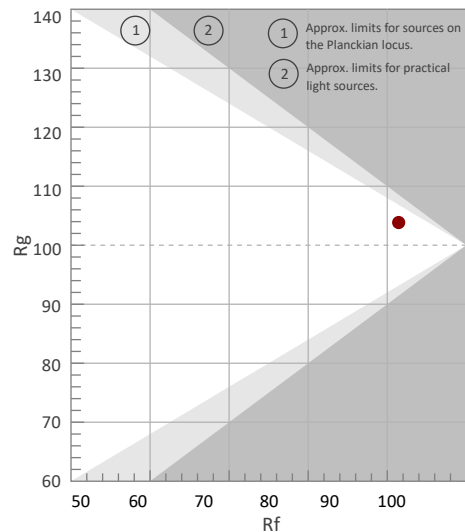
Color Vector Graphic



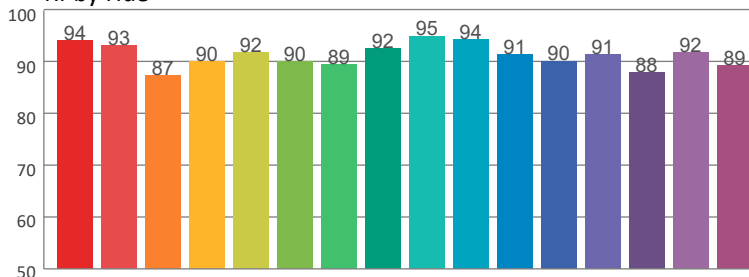
Color Distortion Graphic



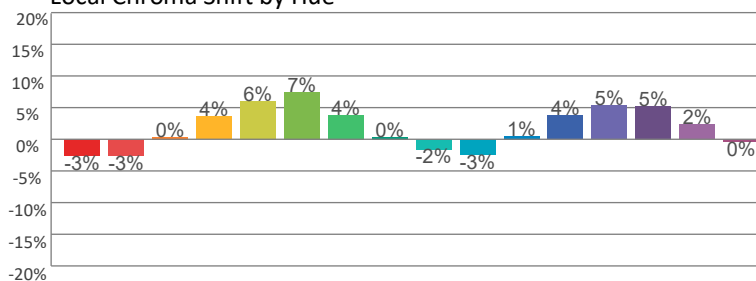
| Hue Bin | Graphic shifts (%) |        |     |
|---------|--------------------|--------|-----|
|         | R <sub>f</sub>     | Chroma | Hue |
| 1       | 94                 | -3%    | -1% |
| 2       | 93                 | -3%    | 3%  |
| 3       | 87                 | 0%     | 7%  |
| 4       | 90                 | 4%     | 5%  |
| 5       | 92                 | 6%     | 4%  |
| 6       | 90                 | 7%     | 0%  |
| 7       | 89                 | 4%     | -6% |
| 8       | 92                 | 0%     | -5% |
| 9       | 95                 | -2%    | -2% |
| 10      | 94                 | -3%    | 2%  |
| 11      | 91                 | 1%     | 6%  |
| 12      | 90                 | 4%     | 2%  |
| 13      | 91                 | 5%     | -4% |
| 14      | 88                 | 5%     | -7% |
| 15      | 92                 | 2%     | -5% |
| 16      | 89                 | 0%     | -8% |



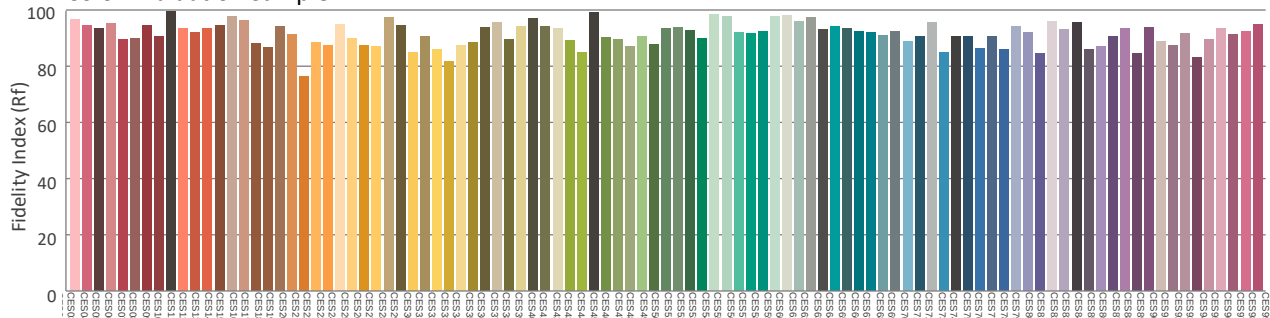
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-3200K

## Report Summary

### Measurements

Fixture Output: 3101 lm

Fixture Peak: 27975 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1114 lux

Color Temperature: 3200 K

CRI: 96.4 CRI R9 Value: 90.2

CQS: 92.5

TLCI: 95

TM-30 Rf: 93.1

TM-30 Rg: 103.6

Beam Angle (50%): 20.5°

Field Angle (10%): 24.3°

Cutoff Angle (3%): 25.1°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

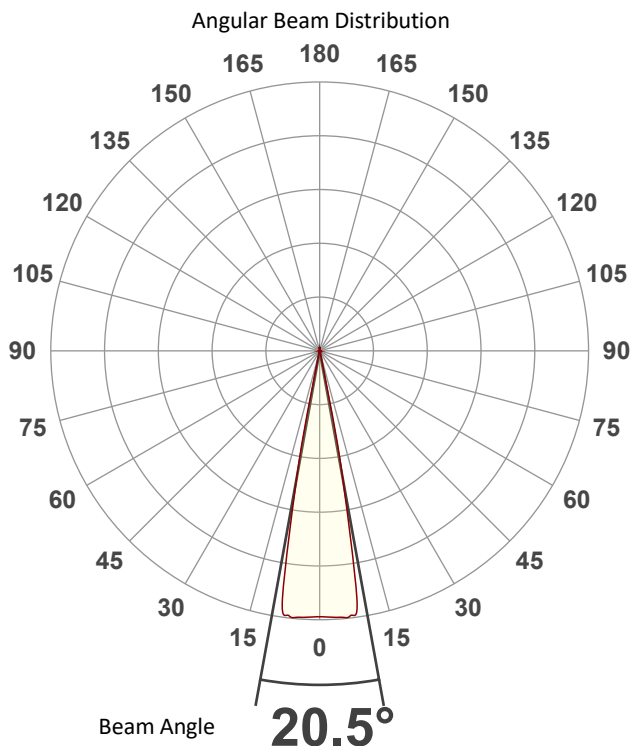
Current: 0.000 A

Power Factor: n/a

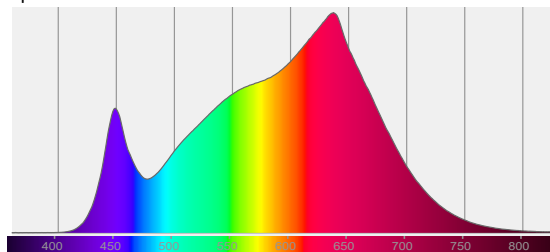


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



### Spectral Distribution



Tested Color (CIE 1931):

X: 0.418

Y: 0.387

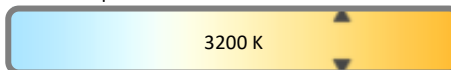


Light Quality

CRI: 96.4

Color Temperature

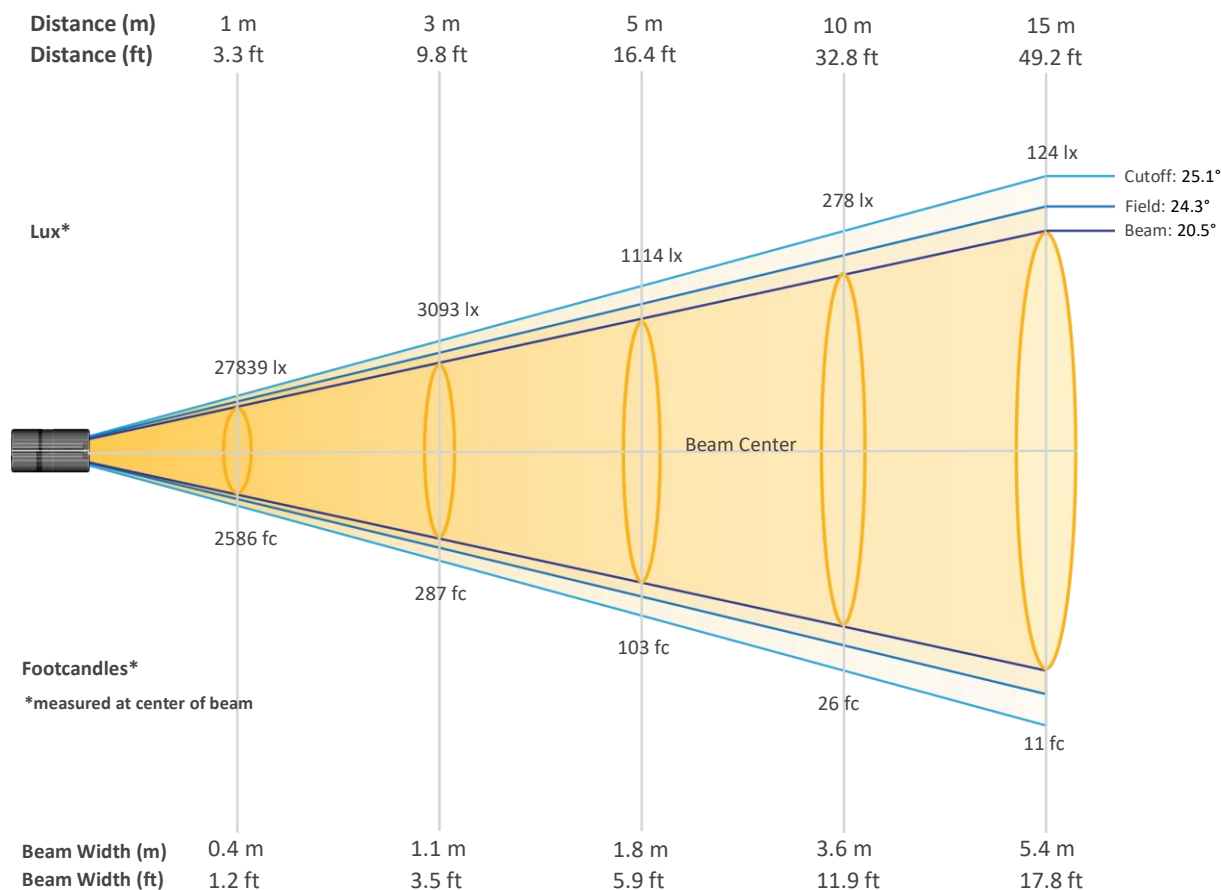
3200 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-3200K

## Beam Details

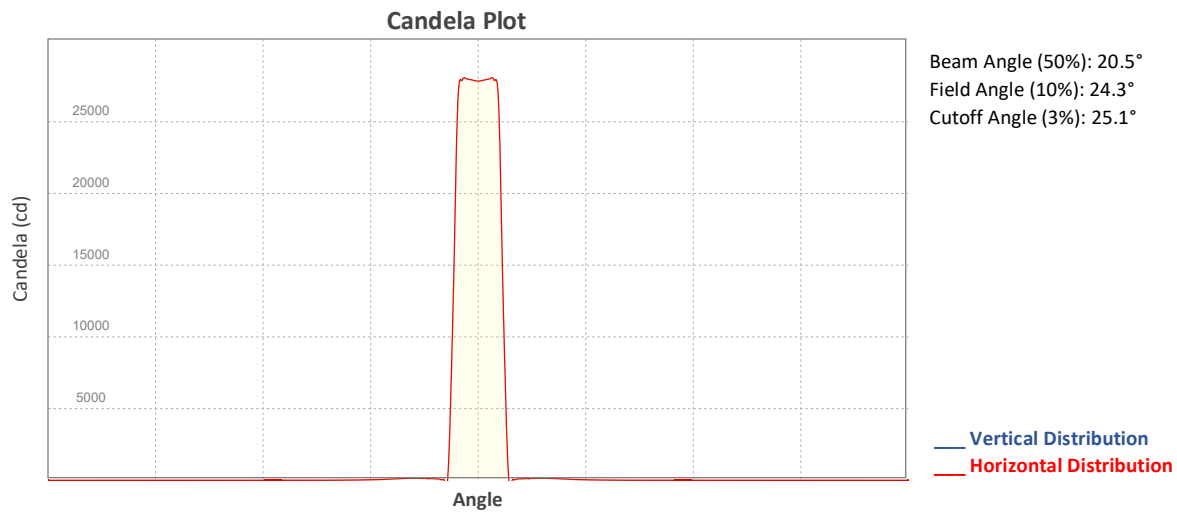


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 27839  | 6960   | 3093   | 1740   | 1114   | 773    | 568    | 435    | 344    | 278    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 230    | 193    | 165    | 142    | 124    | 109    | 96     | 86     | 77     | 70     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 2586   | 647    | 287    | 162    | 103    | 72     | 53     | 40     | 32     | 26     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 21     | 18     | 15     | 13     | 11     | 10     | 9      | 8      | 7      | 6      |

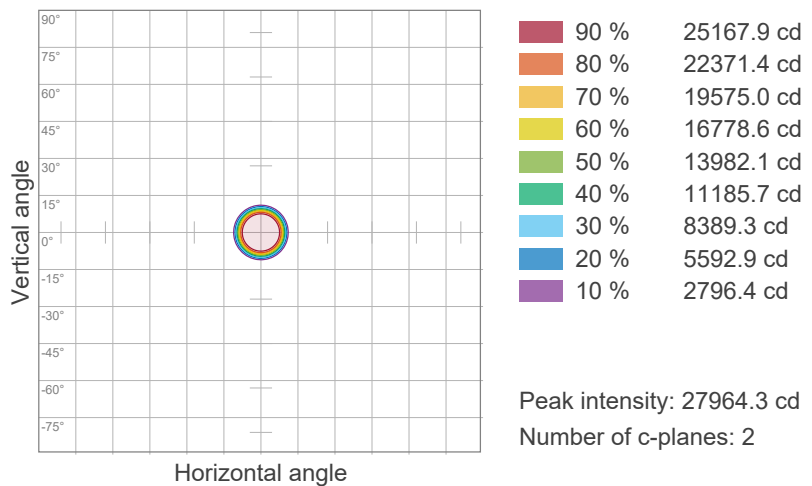
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-3200K

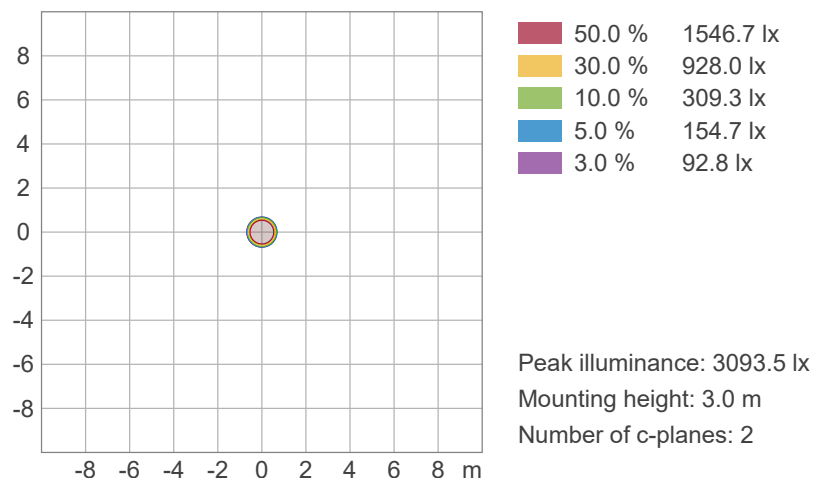


## ISO Diagrams

### ISO Candela Diagram

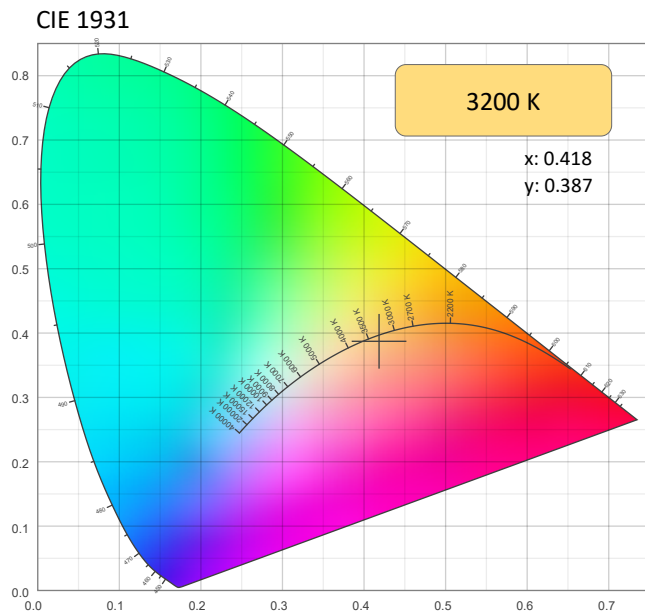


### ISO Lux Diagram

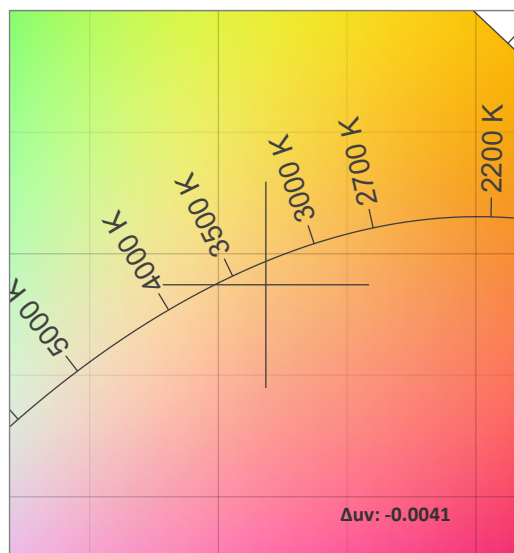


Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-3200K

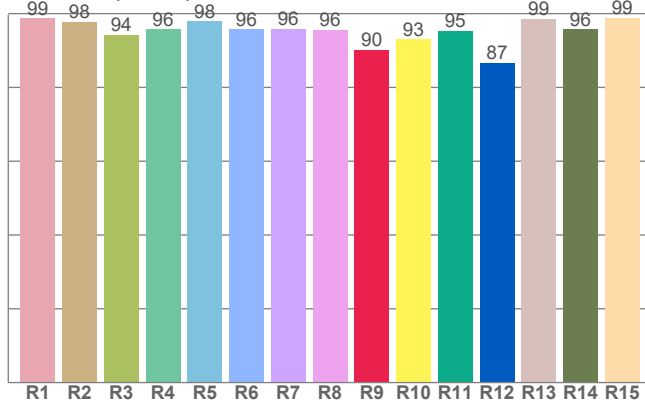
# Chromaticity



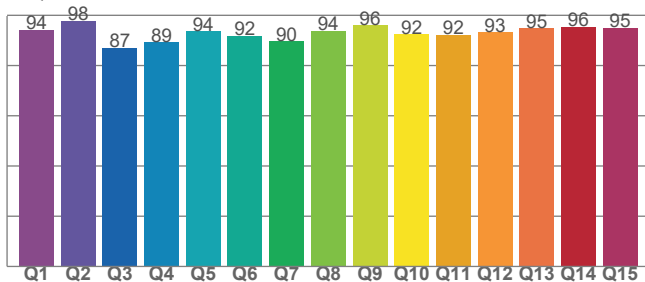
### CIE 1931 - Zoom



CRI: 96.4 (R1-R8)



CQS: 92.5



## Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3200 K            | 0.418                     | 0.387                     |

| Color Deviation<br>from Black Body<br>Curve | Color Coordinate<br>CIE 1964 | Color Coordinate<br>CIE 1964 |
|---------------------------------------------|------------------------------|------------------------------|
| $\Delta_{uv}$                               | y                            | u                            |
| -0.0041                                     | 0.387                        | 0.246                        |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 96.4                  | 90.2          | 92.5                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 95                                    | 93.1           | 103.6       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-3200K

## TM-30 Details

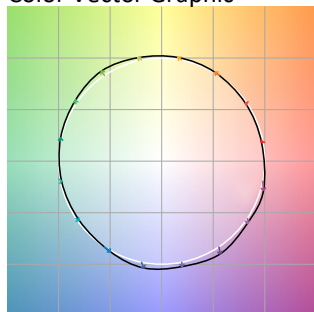
**Rf 93.1**

Fidelity Index  
(Rg)

**Rg 103.6**

Gammut Index (Rg)

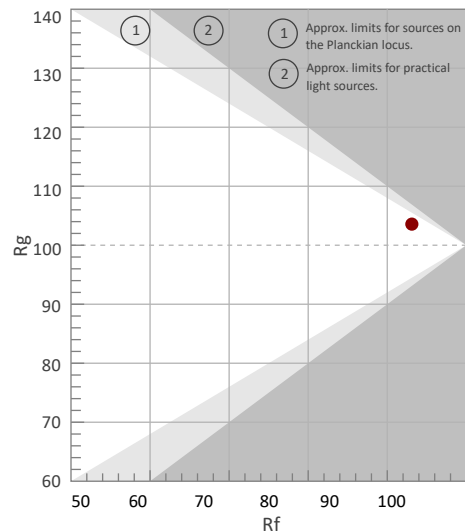
Color Vector Graphic



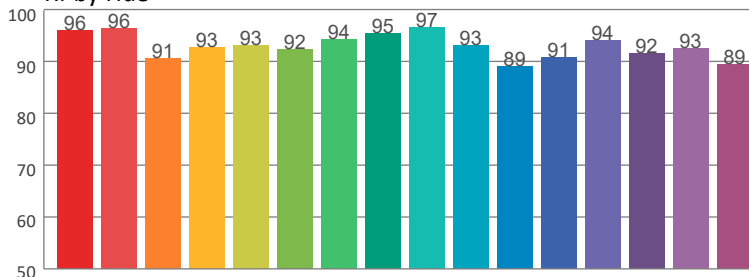
Color Distortion Graphic



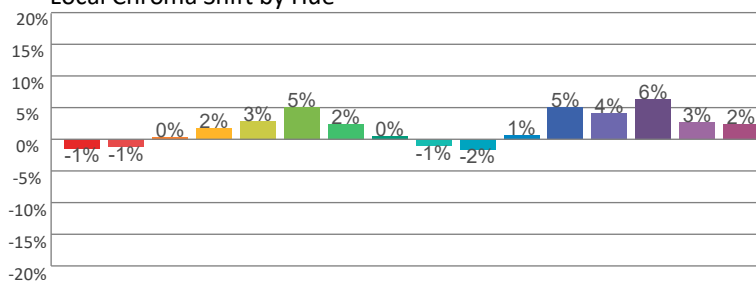
|         |    | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
| Hue Bin | Rf | Chroma             | Hue |
| 1       | 96 | -1%                | -1% |
| 2       | 96 | -1%                | 2%  |
| 3       | 91 | 0%                 | 5%  |
| 4       | 93 | 2%                 | 4%  |
| 5       | 93 | 3%                 | 3%  |
| 6       | 92 | 5%                 | 0%  |
| 7       | 94 | 2%                 | -3% |
| 8       | 95 | 0%                 | -3% |
| 9       | 97 | -1%                | 0%  |
| 10      | 93 | -2%                | 3%  |
| 11      | 89 | 1%                 | 7%  |
| 12      | 91 | 5%                 | 3%  |
| 13      | 94 | 4%                 | 0%  |
| 14      | 92 | 6%                 | -3% |
| 15      | 93 | 3%                 | -4% |
| 16      | 89 | 2%                 | -8% |



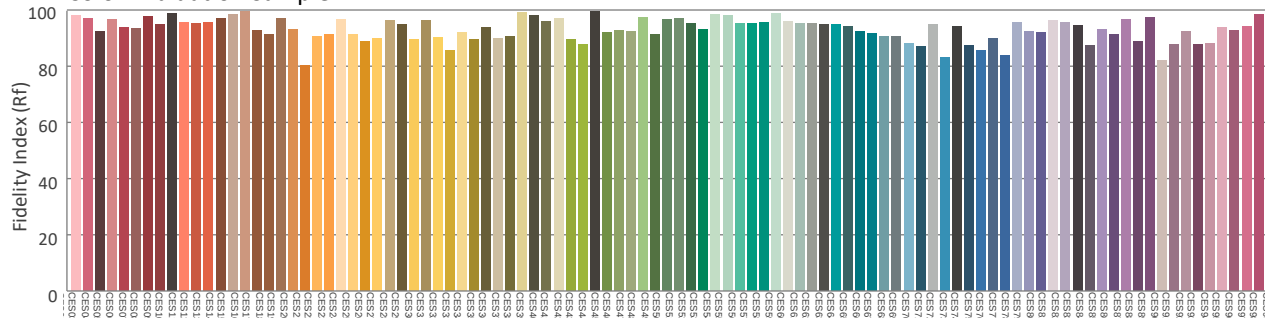
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-4000K

## Report Summary

### Measurements

Fixture Output: 3559 lm

Fixture Peak: 32207 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1278 lux

Color Temperature: 3980 K

CRI: 96.7 CRI R9 Value: 94.2

CQS: 94.5

TLCI: 97

TM-30 Rf: 93.8

TM-30 Rg: 103.6

Beam Angle (50%): 20.9°

Field Angle (10%): 23.9°

Cutoff Angle (3%): 24.5°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

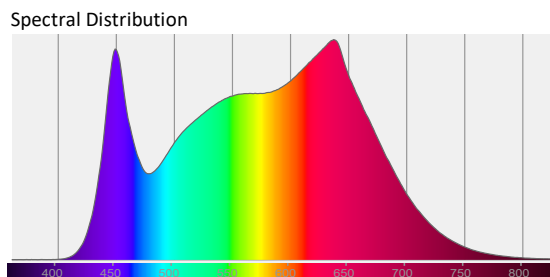
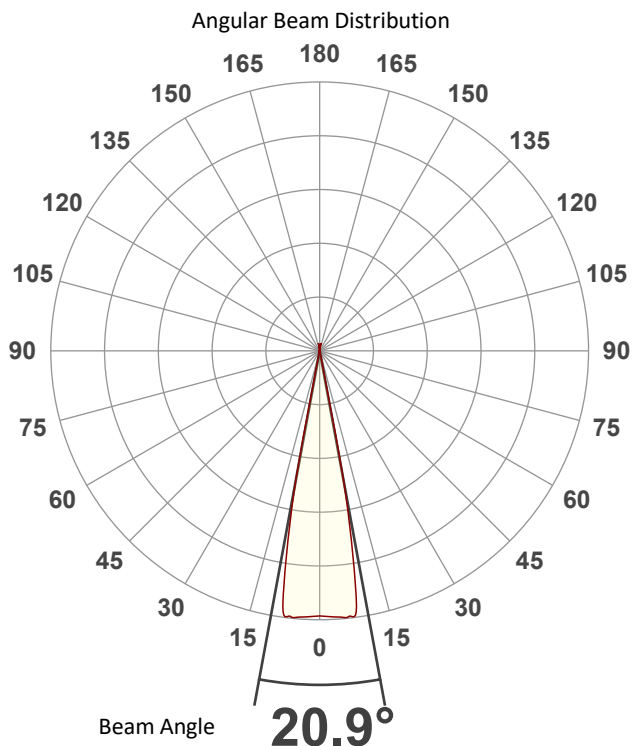
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

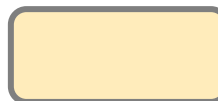
## Overall Measurement



Tested Color (CIE 1931):

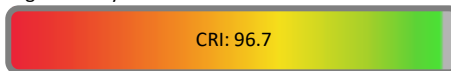
X: 0.377

Y: 0.362



Light Quality

CRI: 96.7



Color Temperature

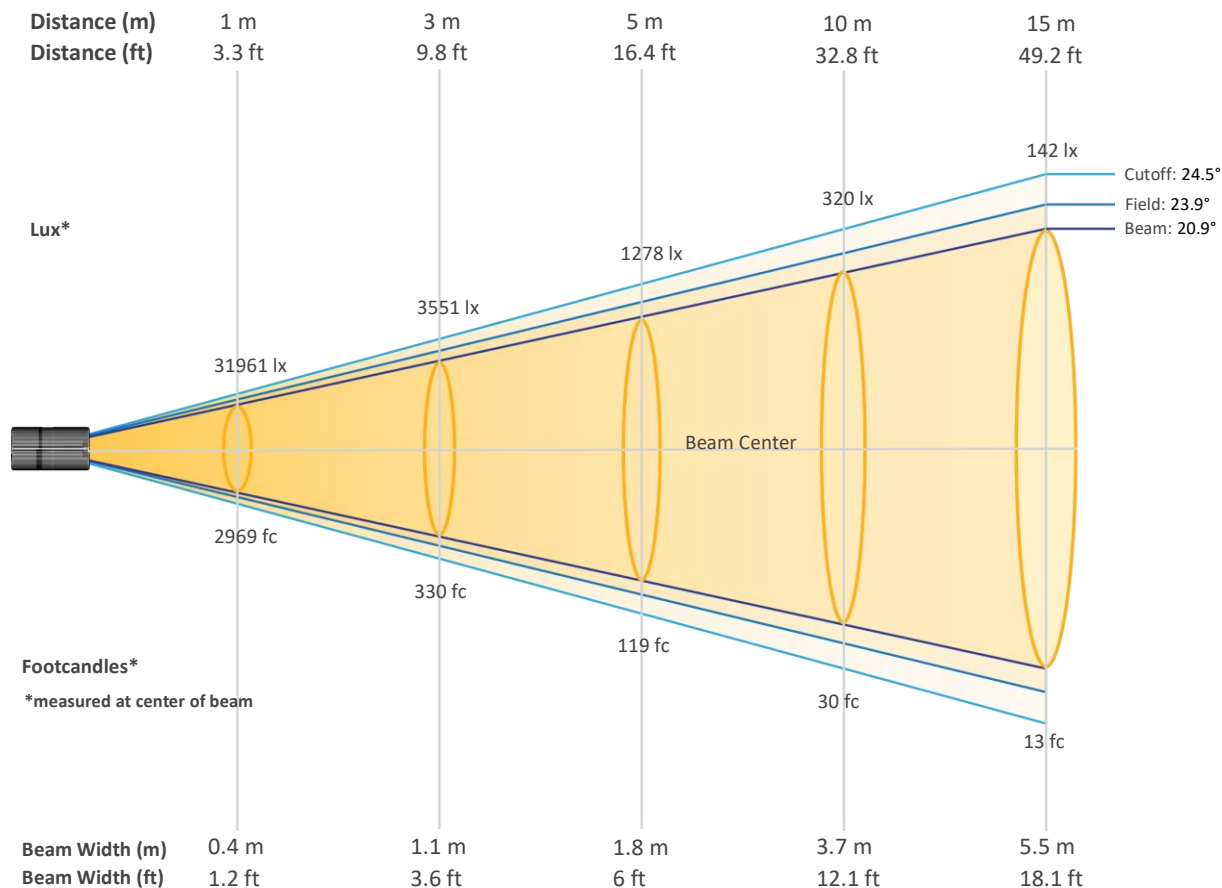
3980 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-4000K

## Beam Details

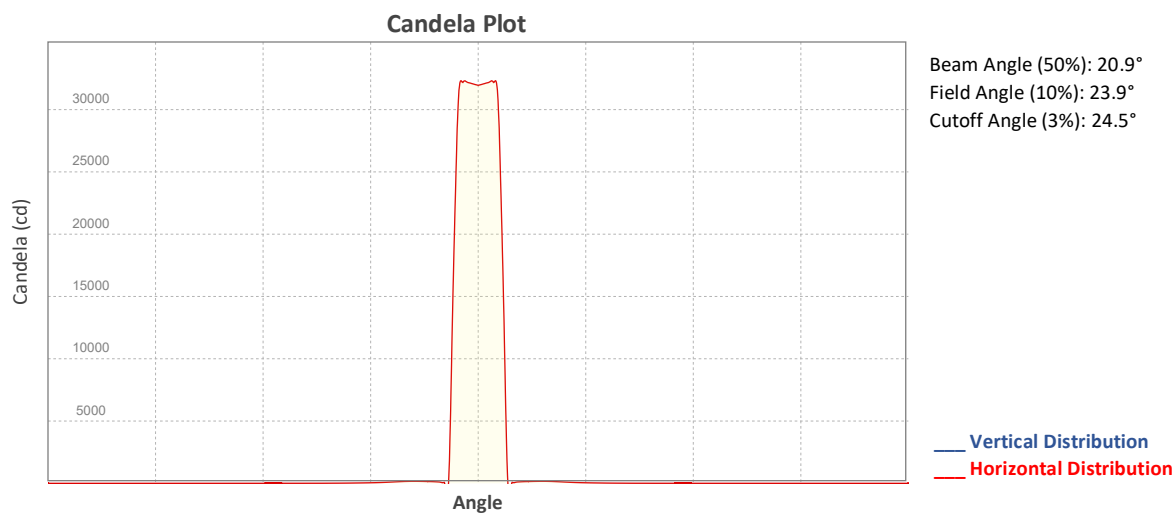


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 31961  | 7990   | 3551   | 1998   | 1278   | 888    | 652    | 499    | 395    | 320    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 264    | 222    | 189    | 163    | 142    | 125    | 111    | 99     | 89     | 80     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 2969   | 742    | 330    | 186    | 119    | 82     | 61     | 46     | 37     | 30     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 25     | 21     | 18     | 15     | 13     | 12     | 10     | 9      | 8      | 7      |

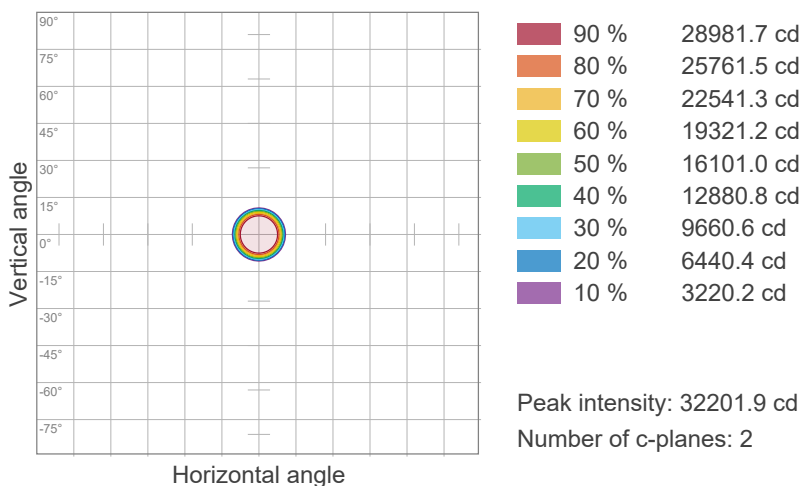
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-4000K

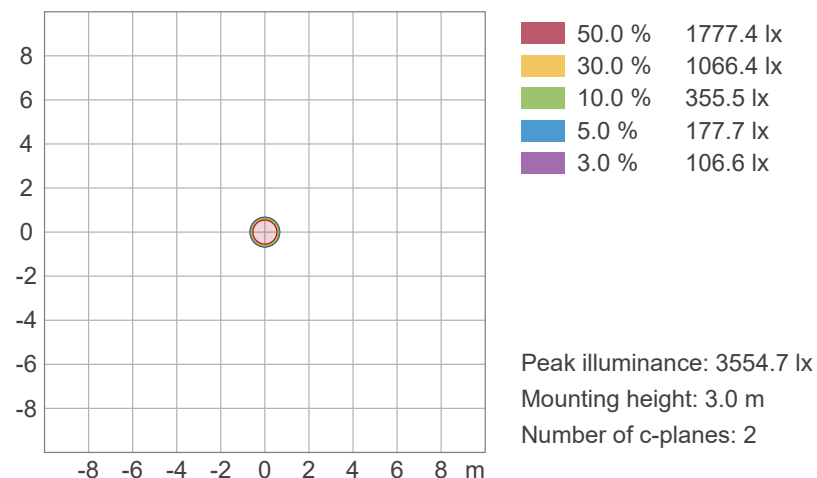


## ISO Diagrams

### ISO Candela Diagram



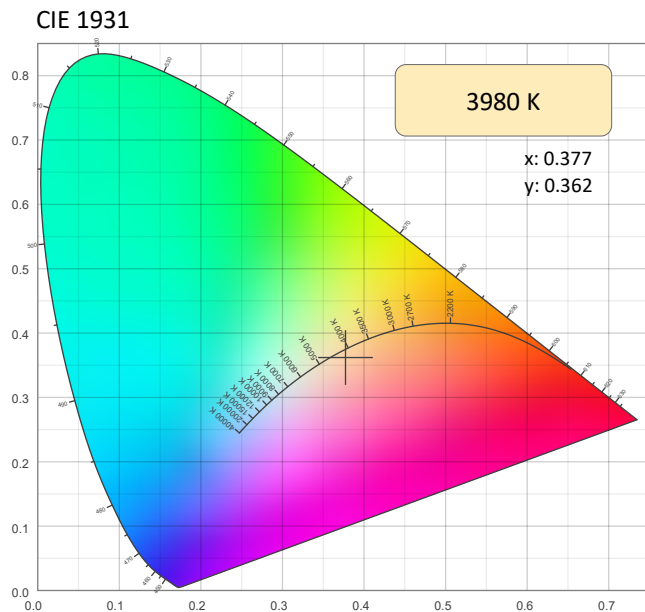
### ISO Lux Diagram



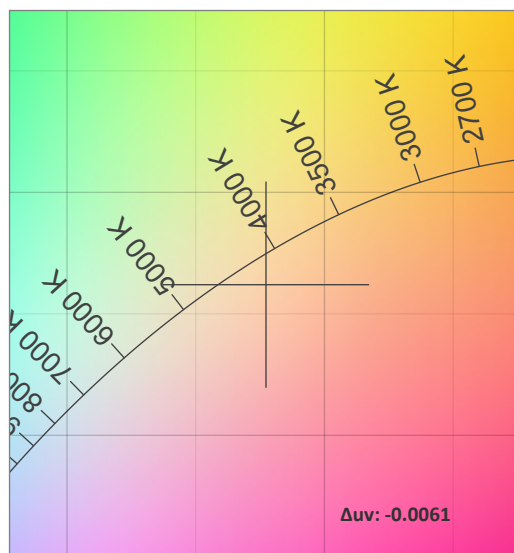
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-4000K

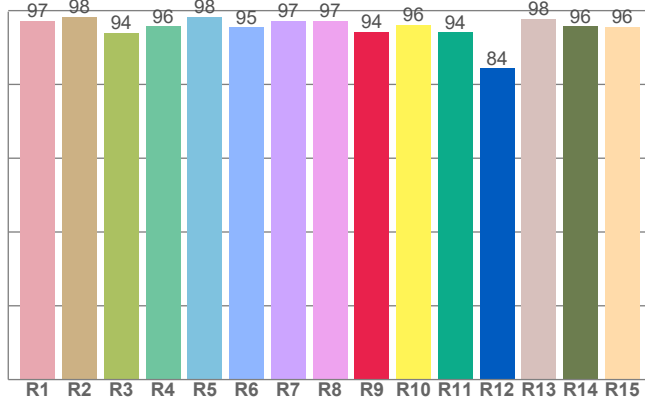
## Chromaticity



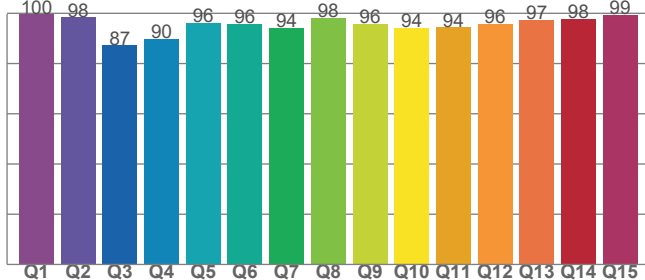
CIE 1931 - Zoom



CRI: 96.7 (R1-R8)



CQS: 94.5



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 3980 K            | 0.377                     | 0.362                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv                                   | y                         | u                         |
| -0.0061                               | 0.362                     | 0.229                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 96.7                  | 94.2          | 94.5                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 97                                    | 93.8           | 103.6       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-4000K

## TM-30 Details

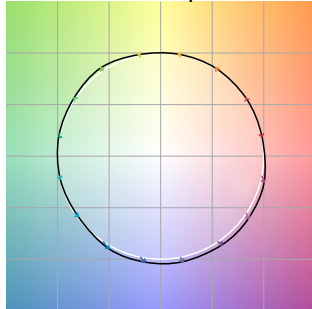
**Rf 93.8**

Fidelity Index  
(Rg)

**Rg 103.6**

Gammut Index (Rg)

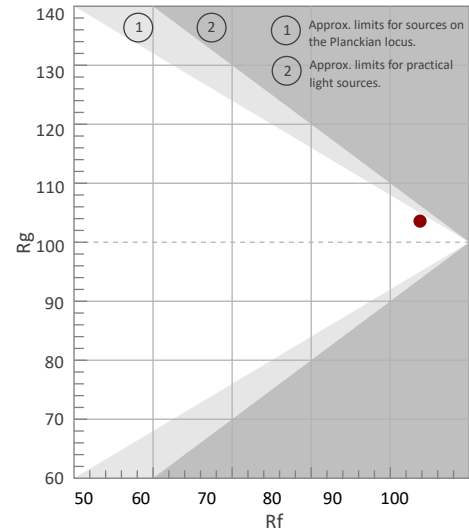
Color Vector Graphic



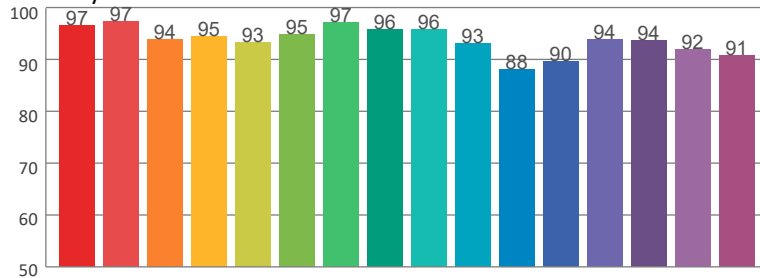
Color Distortion Graphic



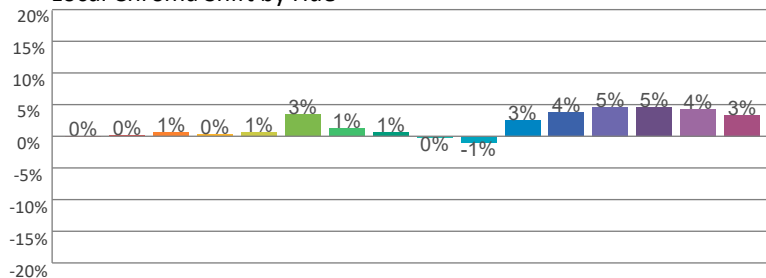
| Hue Bin | Rf | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
|         |    | Chroma             | Hue |
| 1       | 97 | 0%                 | 0%  |
| 2       | 97 | 0%                 | 1%  |
| 3       | 94 | 1%                 | 3%  |
| 4       | 95 | 0%                 | 2%  |
| 5       | 93 | 1%                 | 2%  |
| 6       | 95 | 3%                 | 1%  |
| 7       | 97 | 1%                 | 0%  |
| 8       | 96 | 1%                 | 0%  |
| 9       | 96 | 0%                 | 3%  |
| 10      | 93 | -1%                | 4%  |
| 11      | 88 | 3%                 | 8%  |
| 12      | 90 | 4%                 | 5%  |
| 13      | 94 | 5%                 | 1%  |
| 14      | 94 | 5%                 | 2%  |
| 15      | 92 | 4%                 | -3% |
| 16      | 91 | 3%                 | -5% |



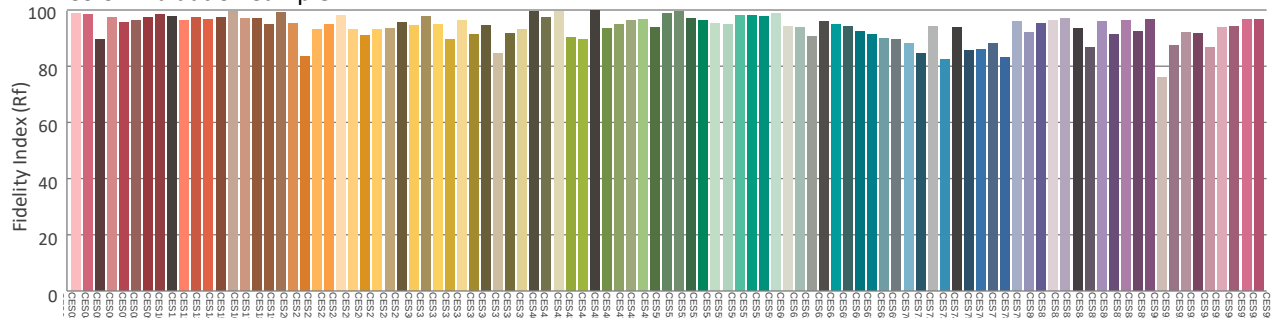
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-5600K

## Report Summary

### Measurements

Fixture Output: 4562 lm

Fixture Peak: 41632 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1663 lux

Color Temperature: 5594 K

CRI: 94.9      CRI R9 Value: 82.8

CQS: 94.4

TLCI: 98

TM-30 Rf: 93.4

TM-30 Rg: 103.9

Beam Angle (50%): 20.3°

Field Angle (10%): 24.3°

Cutoff Angle (3%): 25.2°

### Conditions

AC Supply: 116 V, 60.1 Hz

Power: 0.0 W

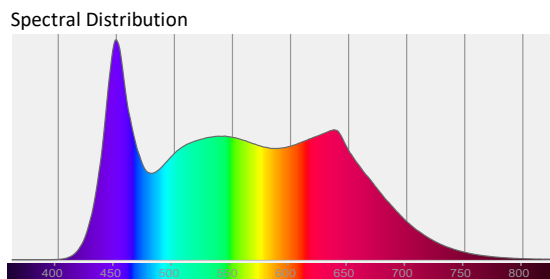
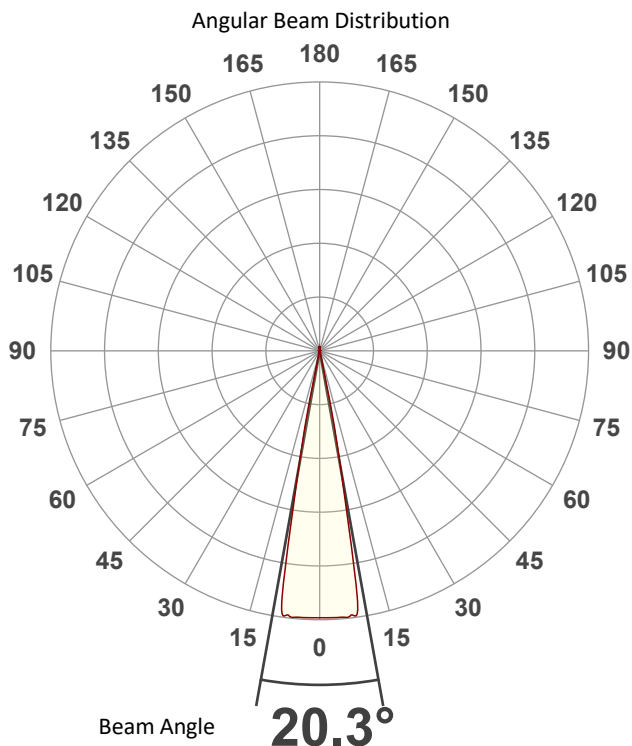
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.331

Y: 0.331

Light Quality

CRI: 94.9

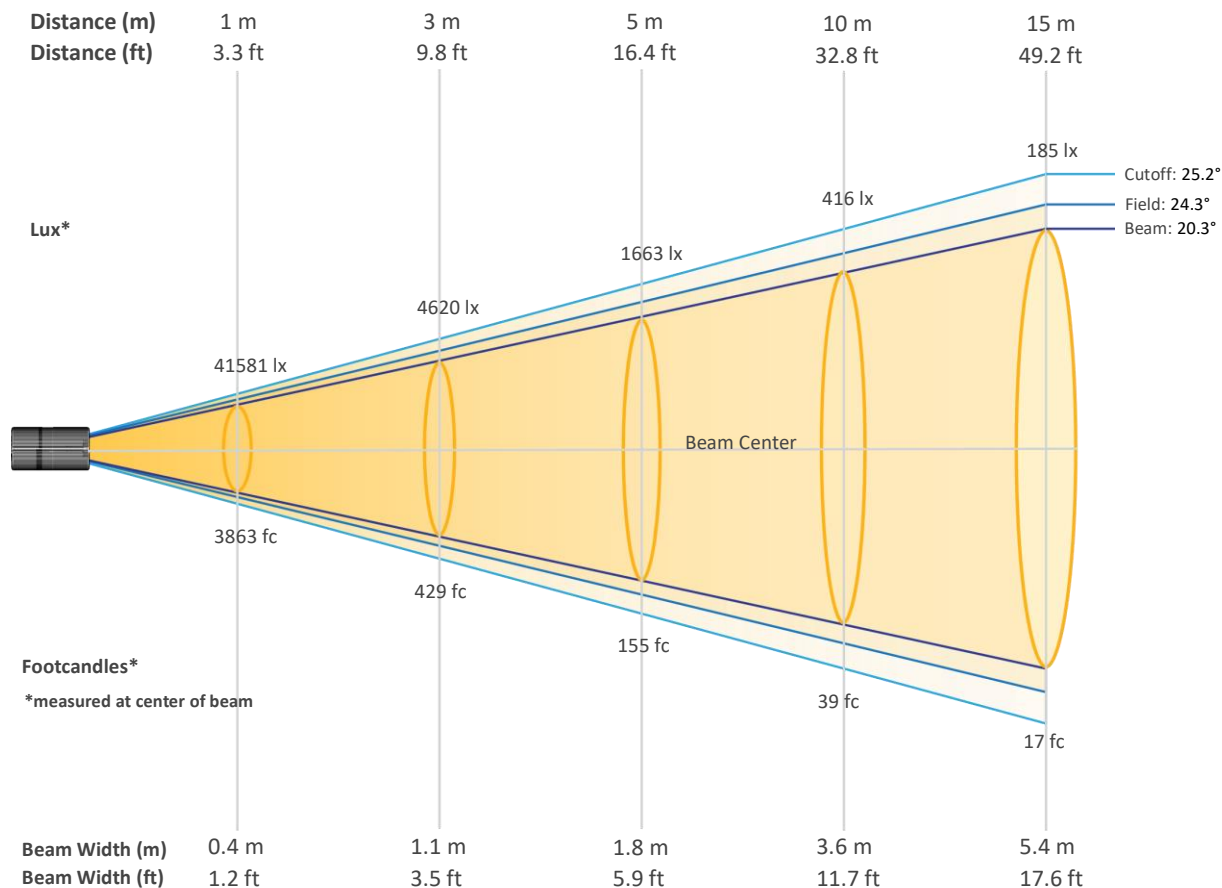
Color Temperature

5594 K

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-5600K

## Beam Details

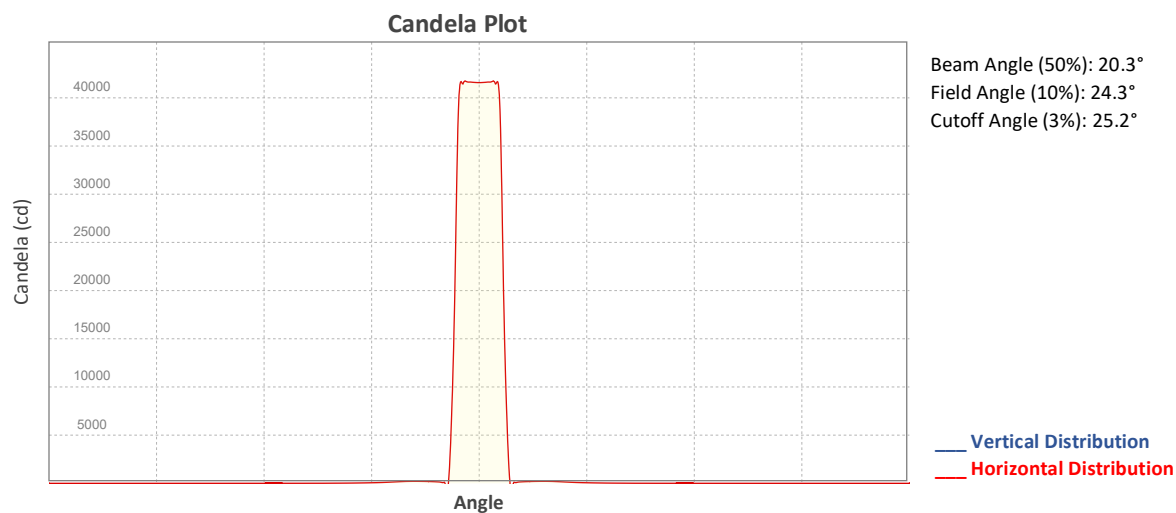


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 41581  | 10395  | 4620   | 2599   | 1663   | 1155   | 849    | 650    | 513    | 416    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 344    | 289    | 246    | 212    | 185    | 162    | 144    | 128    | 115    | 104    |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 3863   | 966    | 429    | 241    | 155    | 107    | 79     | 60     | 48     | 39     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 32     | 27     | 23     | 20     | 17     | 15     | 13     | 12     | 11     | 10     |

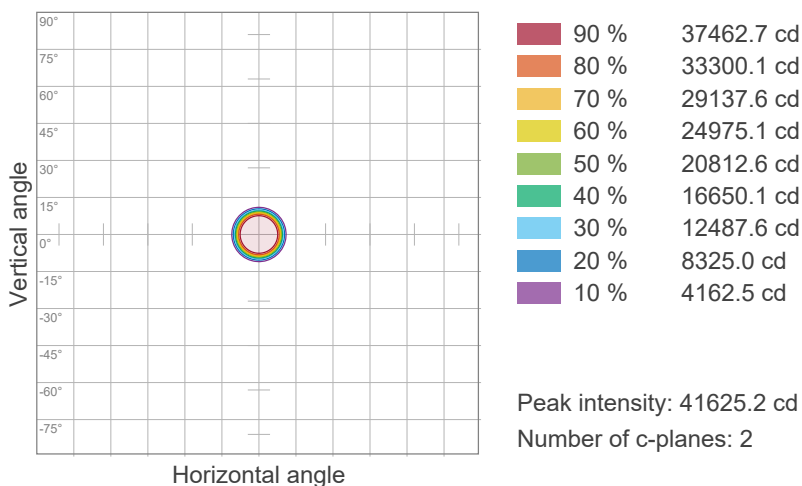
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-5600K

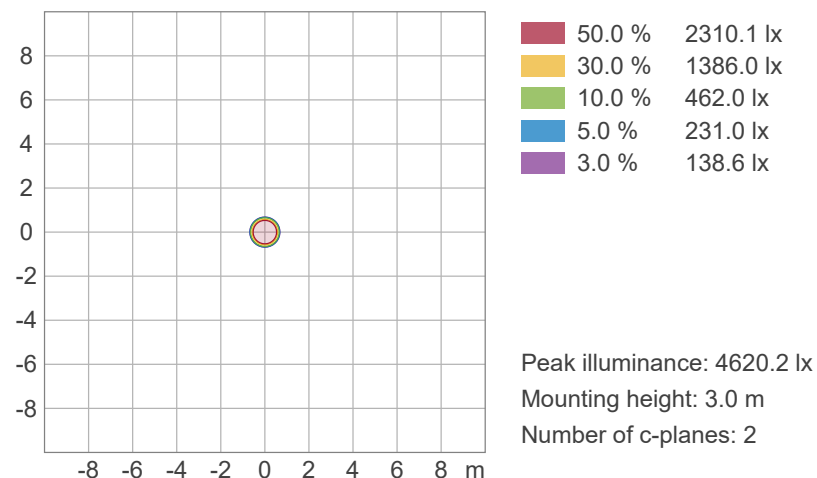


## ISO Diagrams

### ISO Candela Diagram



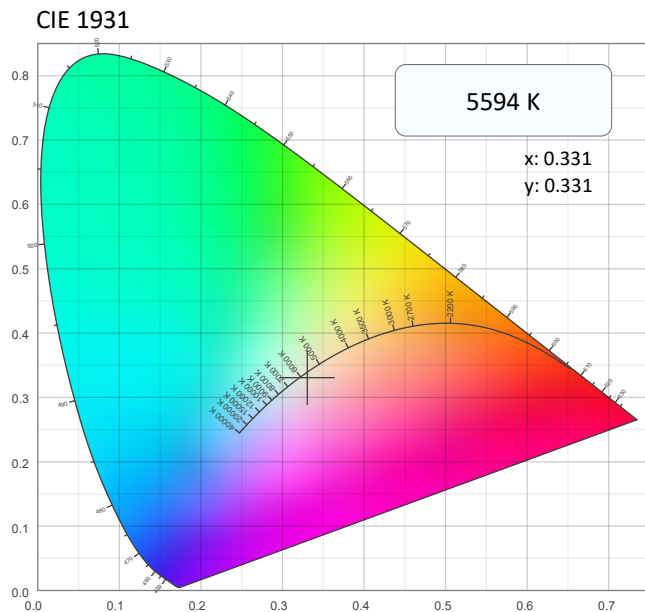
### ISO Lux Diagram



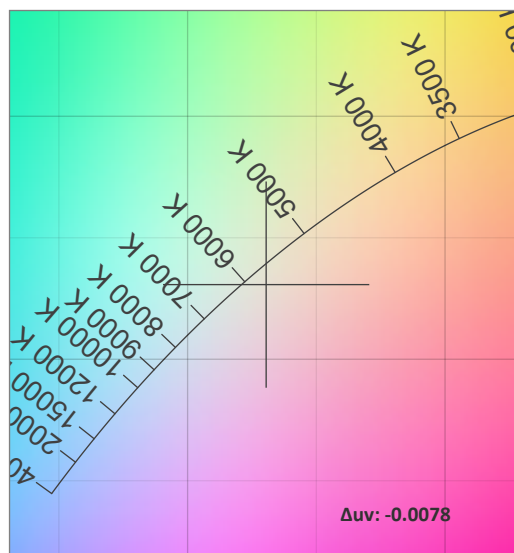
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-5600K

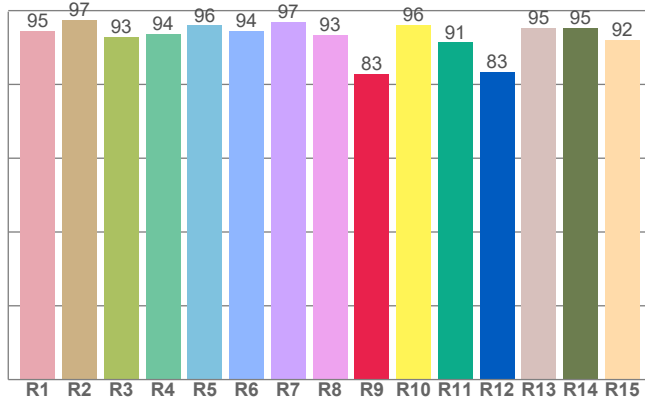
## Chromaticity



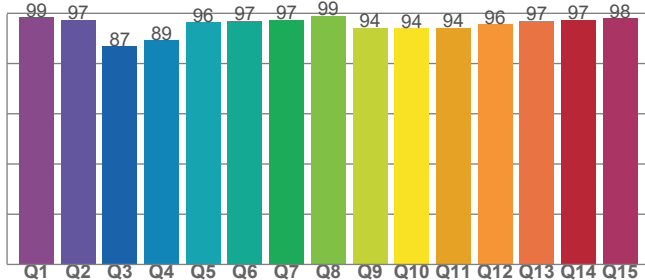
CIE 1931 - Zoom



CRI: 94.9 (R1-R8)



CQS: 94.4



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 5594 K            | 0.331                     | 0.331                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0078                               | 0.331                     | 0.210                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 94.9                  | 82.8          | 94.4                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 98                                    | 93.4           | 103.9       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power -w/CTO-5600K

## TM-30 Details

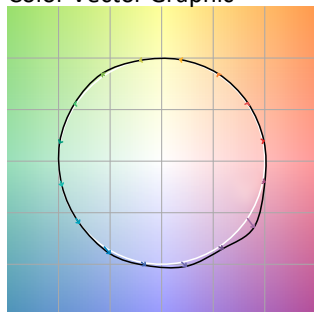
**Rf 93.4**

Fidelity Index  
(Rg)

**Rg 103.9**

Gamut Index (Rg)

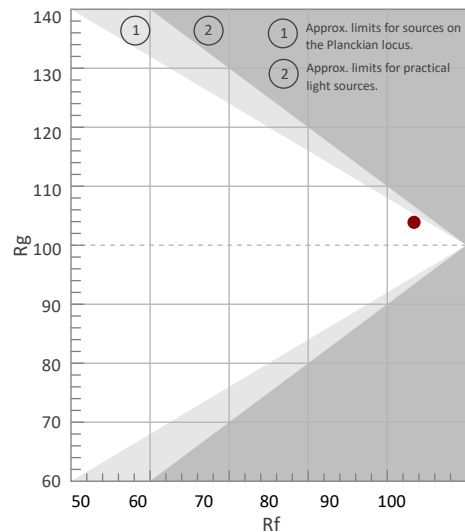
Color Vector Graphic



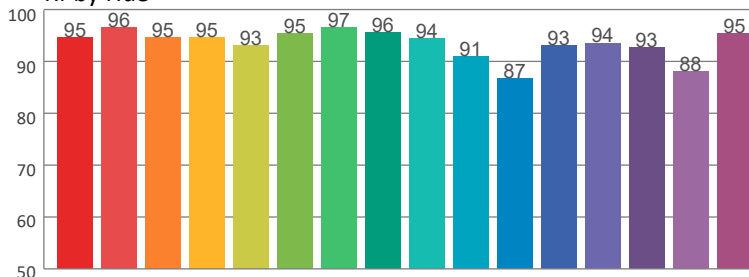
Color Distortion Graphic



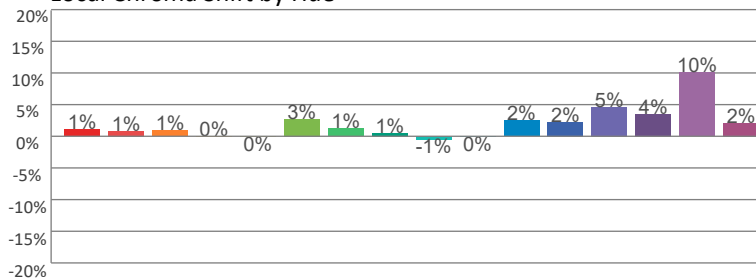
|         |                | Graphic shifts (%) |     |  |
|---------|----------------|--------------------|-----|--|
| Hue Bin | R <sub>f</sub> | Chroma             | Hue |  |
| 1       | 95             | 1%                 | 0%  |  |
| 2       | 96             | 1%                 | 1%  |  |
| 3       | 95             | 1%                 | 2%  |  |
| 4       | 95             | 0%                 | 2%  |  |
| 5       | 93             | 0%                 | 2%  |  |
| 6       | 95             | 3%                 | 1%  |  |
| 7       | 97             | 1%                 | 1%  |  |
| 8       | 96             | 1%                 | 2%  |  |
| 9       | 94             | -1%                | 4%  |  |
| 10      | 91             | 0%                 | 5%  |  |
| 11      | 87             | 2%                 | 8%  |  |
| 12      | 93             | 2%                 | 4%  |  |
| 13      | 94             | 5%                 | 3%  |  |
| 14      | 93             | 4%                 | 2%  |  |
| 15      | 88             | 10%                | -4% |  |
| 16      | 95             | 2%                 | 0%  |  |



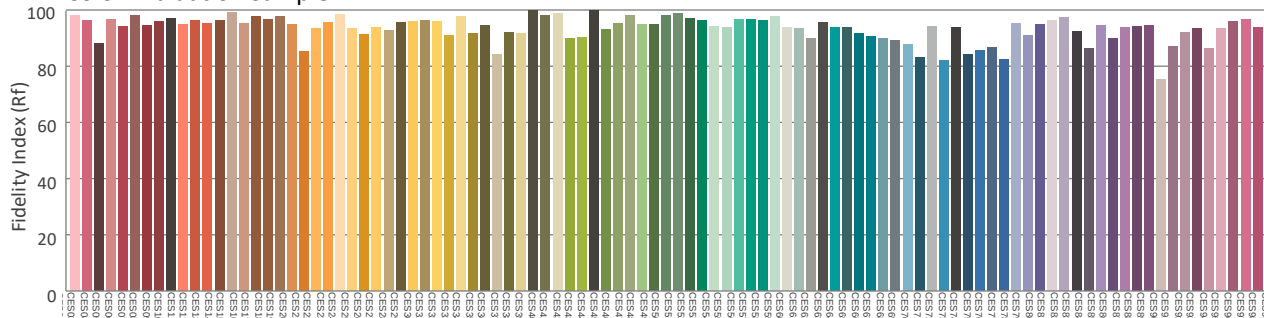
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Stable

## Report Summary

### Measurements

Fixture Output: 5735 lm

Fixture Peak: 53828 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 2119 lux

Color Temperature: 6336 K

CRI: 95.6 CRI R9 Value: 83.9

CQS: 94.8

TLCI: 99

TM-30 Rf: 93.4

TM-30 Rg: 102.9

Beam Angle (50%): 20.2°

Field Angle (10%): 24.2°

Cutoff Angle (3%): 25.4°

### Conditions

AC Supply: 118 V, 60 Hz

Power: 0.0 W

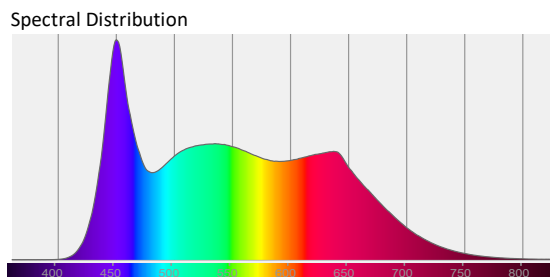
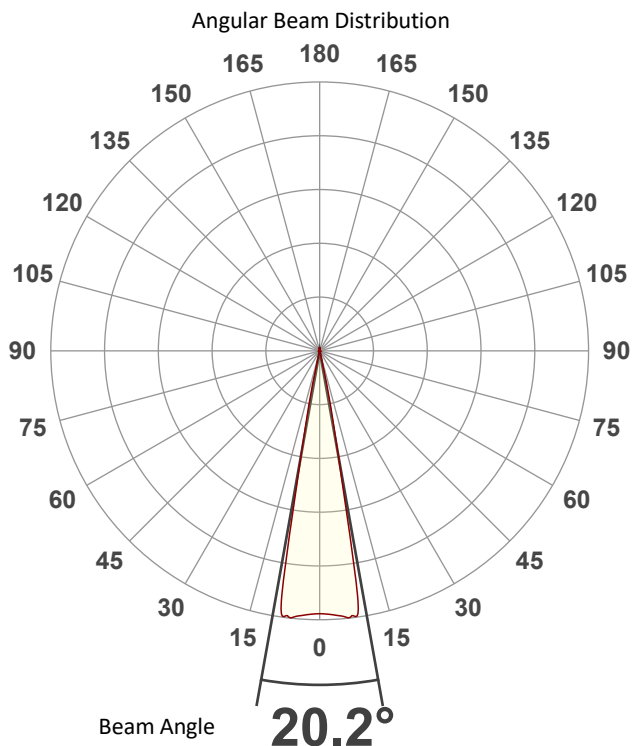
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/24/2024 to LM-63-2002 Standards.

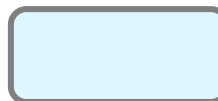
## Overall Measurement



Tested Color (CIE 1931):

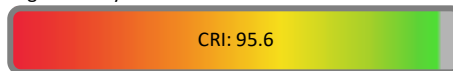
X: 0.317

Y: 0.322



Light Quality

CRI: 95.6



Color Temperature

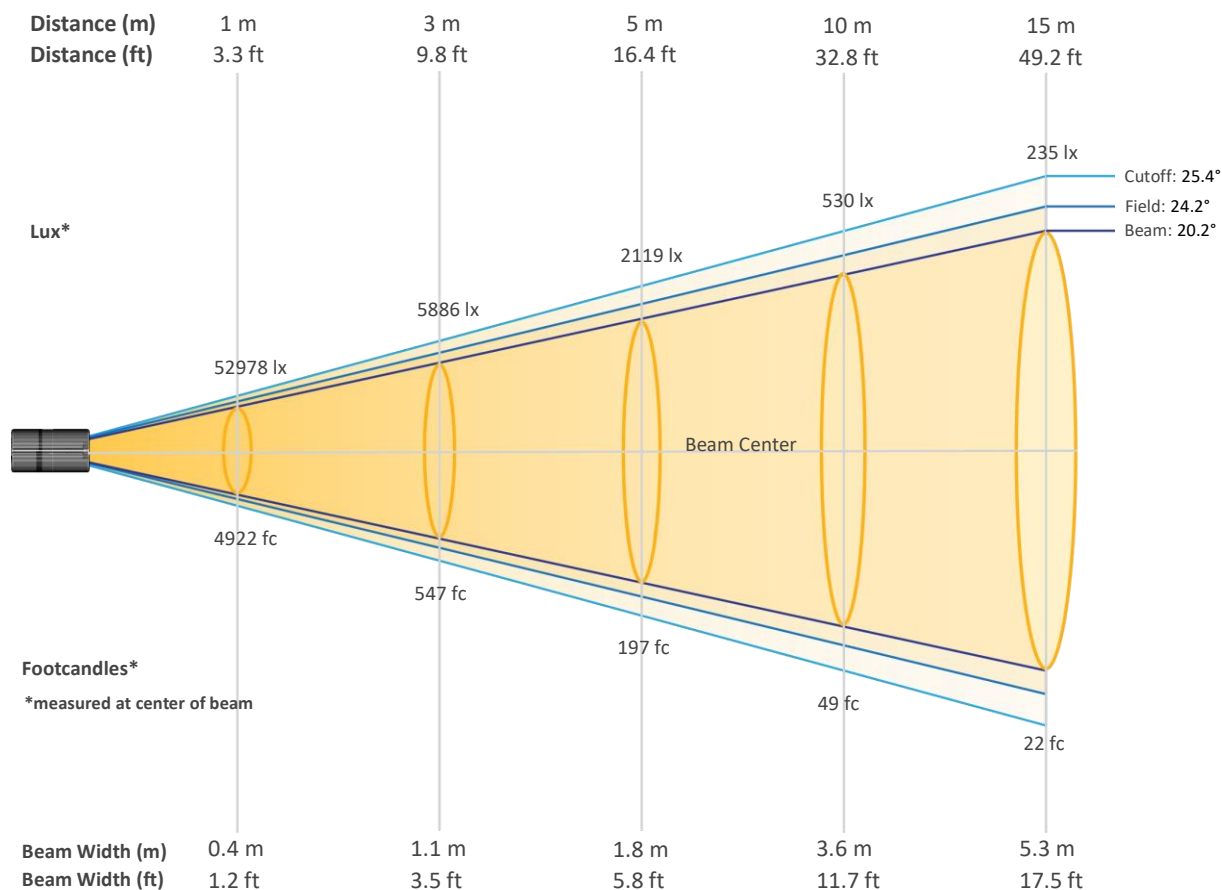
6336 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Stable

## Beam Details

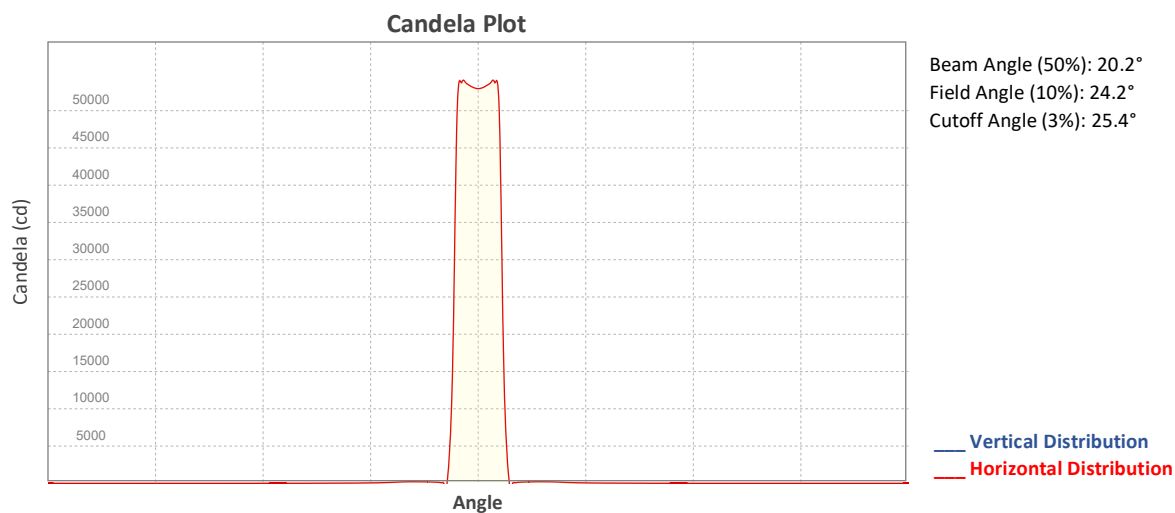


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 52978  | 13244  | 5886   | 3311   | 2119   | 1472   | 1081   | 828    | 654    | 530    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 438    | 368    | 313    | 270    | 235    | 207    | 183    | 164    | 147    | 132    |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 4922   | 1230   | 547    | 308    | 197    | 137    | 100    | 77     | 61     | 49     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 41     | 34     | 29     | 25     | 22     | 19     | 17     | 15     | 14     | 12     |

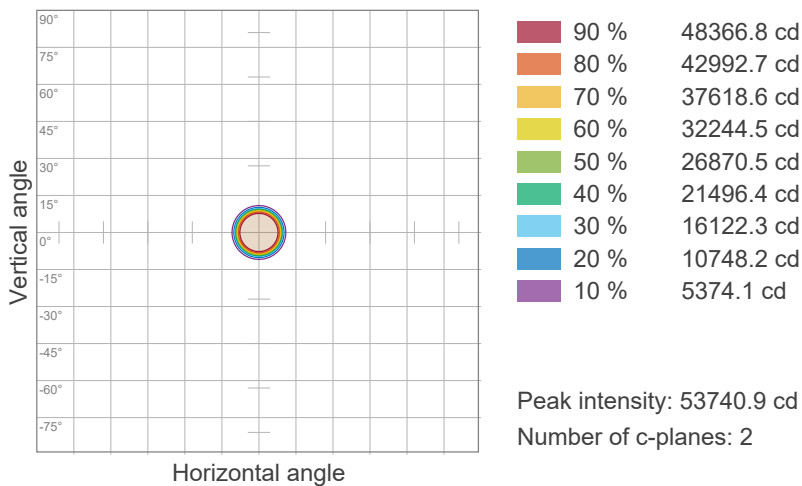
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Stable

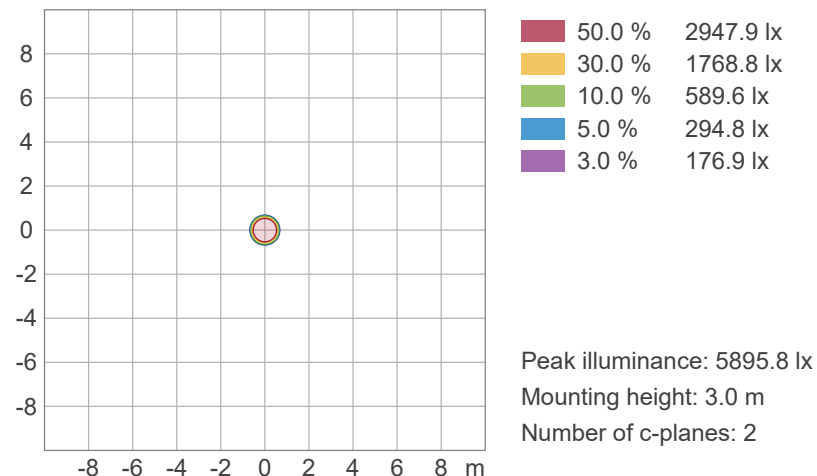


## ISO Diagrams

### ISO Candela Diagram



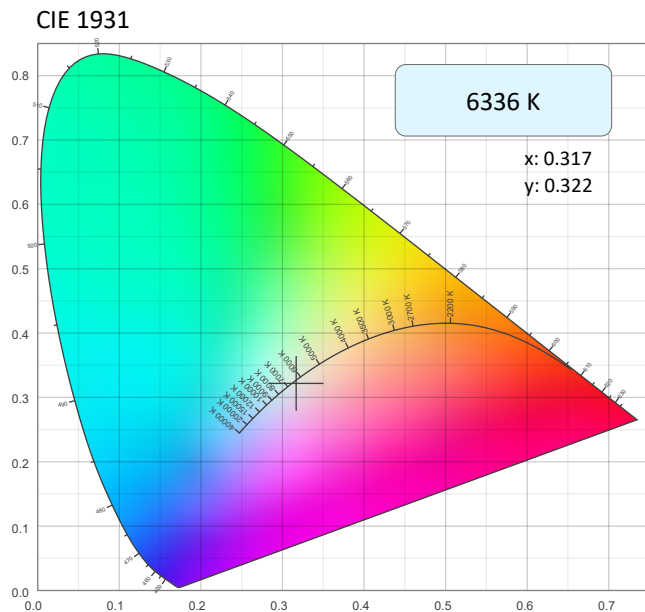
### ISO Lux Diagram



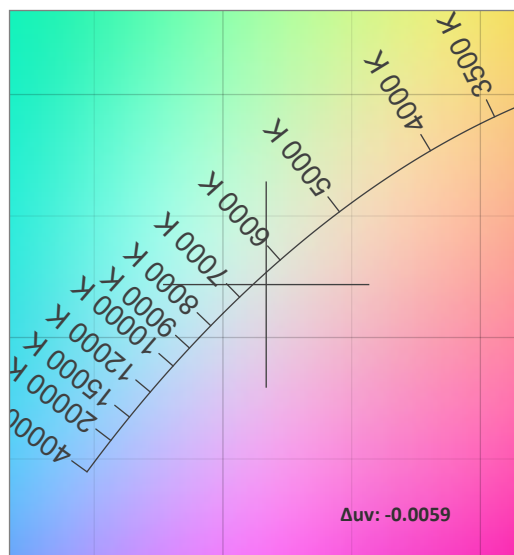
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Stable

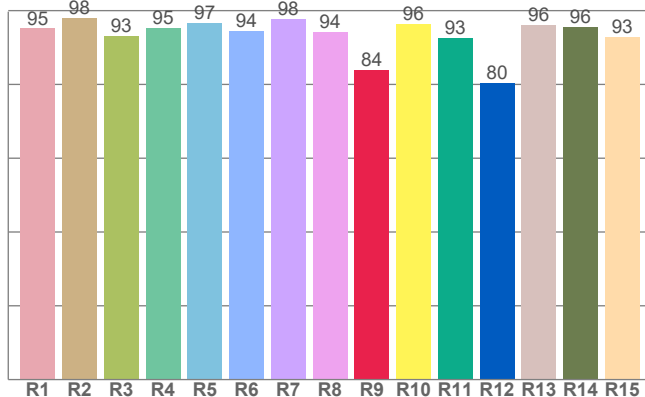
## Chromaticity



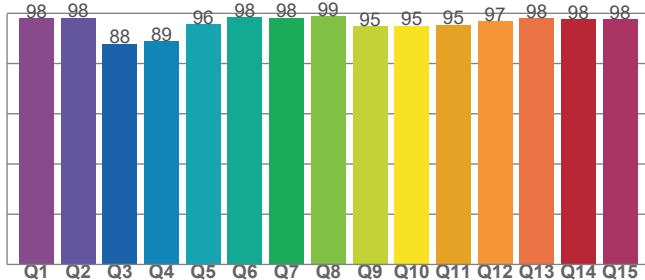
CIE 1931 - Zoom



CRI: 95.6 (R1-R8)



CQS: 94.8



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 6336 K            | 0.317                     | 0.322                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0059                               | 0.322                     | 0.203                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.6                  | 83.9          | 94.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 99                                    | 93.4           | 102.9       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Stable

## TM-30 Details

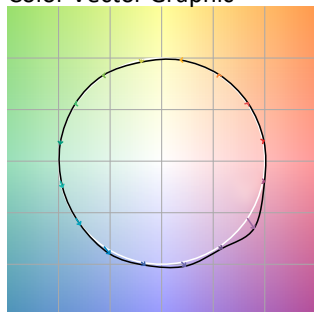
**Rf 93.4**

Fidelity Index  
(Rg)

**Rg 102.9**

Gammut Index (Rg)

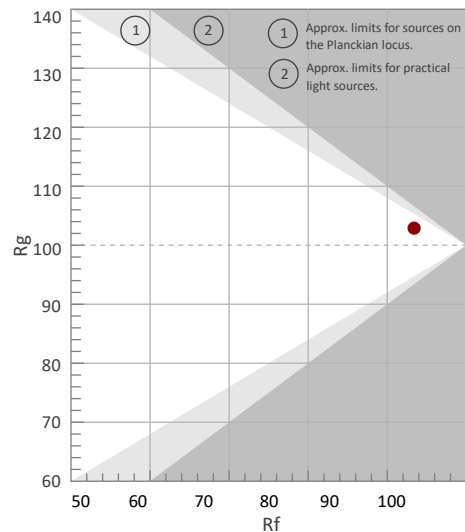
Color Vector Graphic



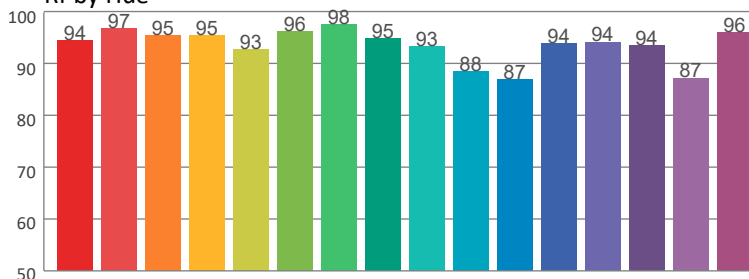
Color Distortion Graphic



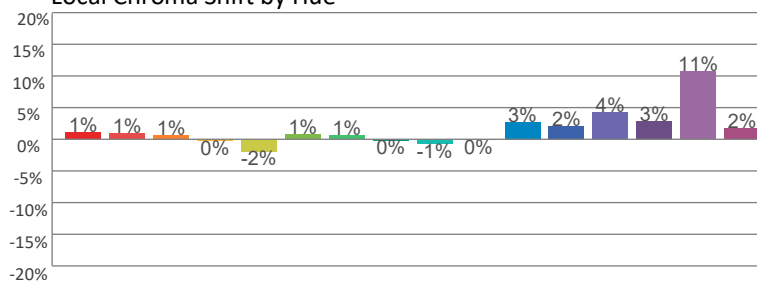
|         |    | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
| Hue Bin | Rf | Chroma             | Hue |
| 1       | 94 | 1%                 | 0%  |
| 2       | 97 | 1%                 | 0%  |
| 3       | 95 | 1%                 | 1%  |
| 4       | 95 | 0%                 | 1%  |
| 5       | 93 | -2%                | 1%  |
| 6       | 96 | 1%                 | 1%  |
| 7       | 98 | 1%                 | 1%  |
| 8       | 95 | 0%                 | 3%  |
| 9       | 93 | -1%                | 6%  |
| 10      | 88 | 0%                 | 7%  |
| 11      | 87 | 3%                 | 8%  |
| 12      | 94 | 2%                 | 4%  |
| 13      | 94 | 4%                 | 3%  |
| 14      | 94 | 3%                 | 2%  |
| 15      | 87 | 11%                | -4% |
| 16      | 96 | 2%                 | 0%  |



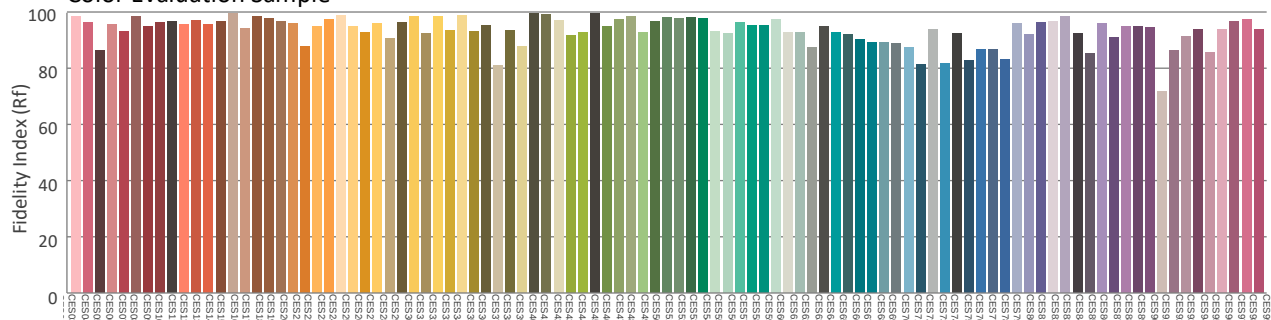
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 1

## Report Summary

### Measurements

Fixture Output: 4327 lm

Fixture Peak: 41048 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1625 lux

Color Temperature: 6262 K

CRI: 95.2      CRI R9 Value: 89.1

CQS: 94.8

TLCI: 99

TM-30 Rf: 93.6

TM-30 Rg: 103.5

Beam Angle (50%): 20.2°

Field Angle (10%): 23.1°

Cutoff Angle (3%): 26.9°

### Conditions

AC Supply: 116 V, 60 Hz

Power: 0.0 W

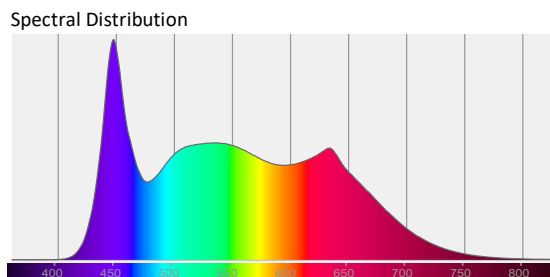
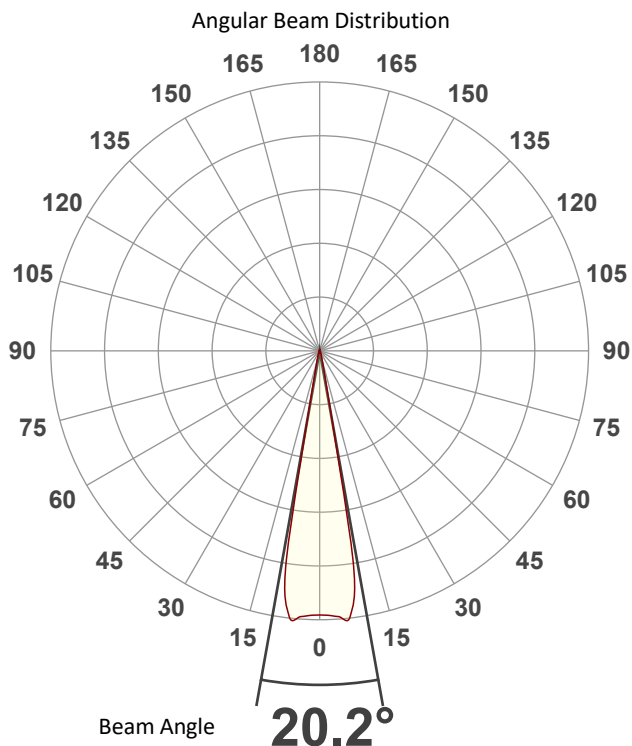
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

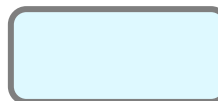
## Overall Measurement



Tested Color (CIE 1931):

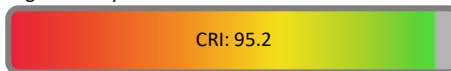
X: 0.318

Y: 0.327



Light Quality

CRI: 95.2



Color Temperature

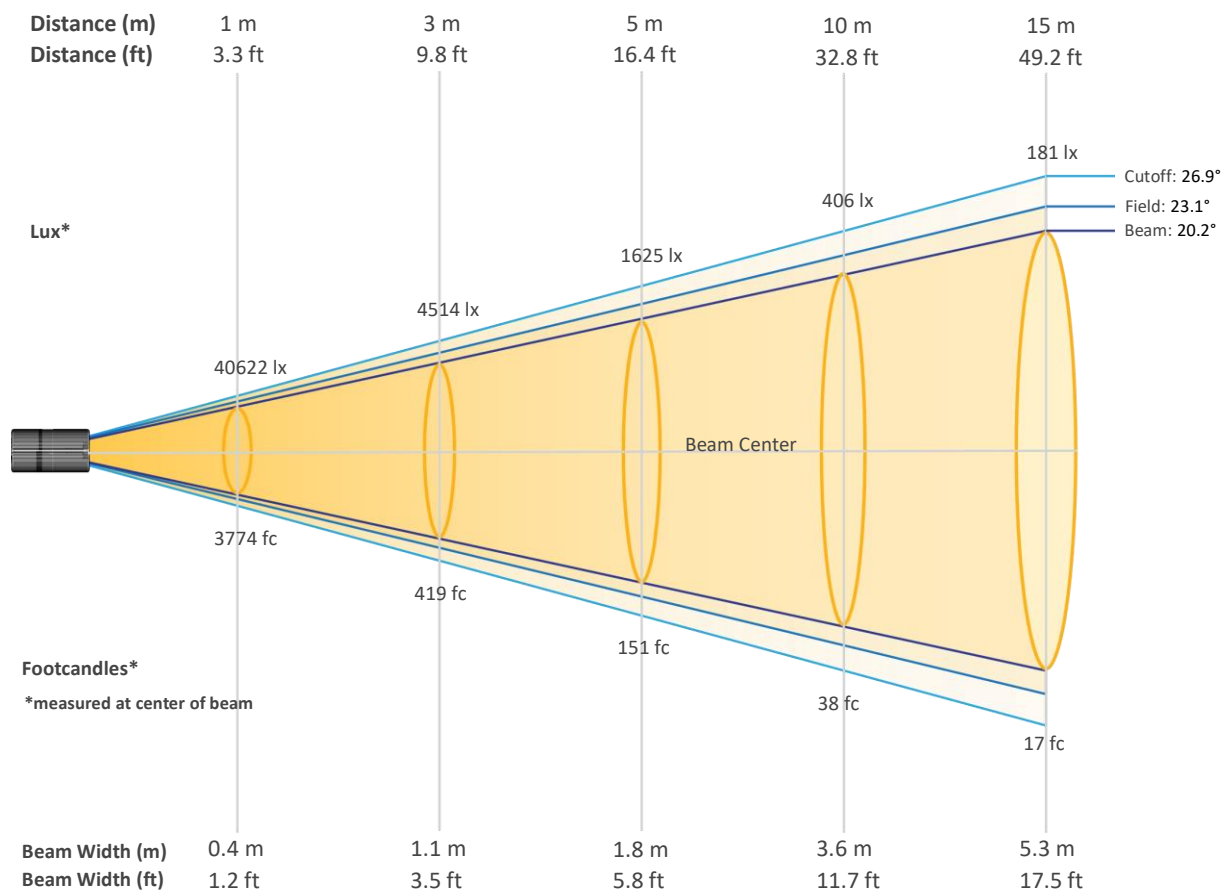
6262 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 1

## Beam Details

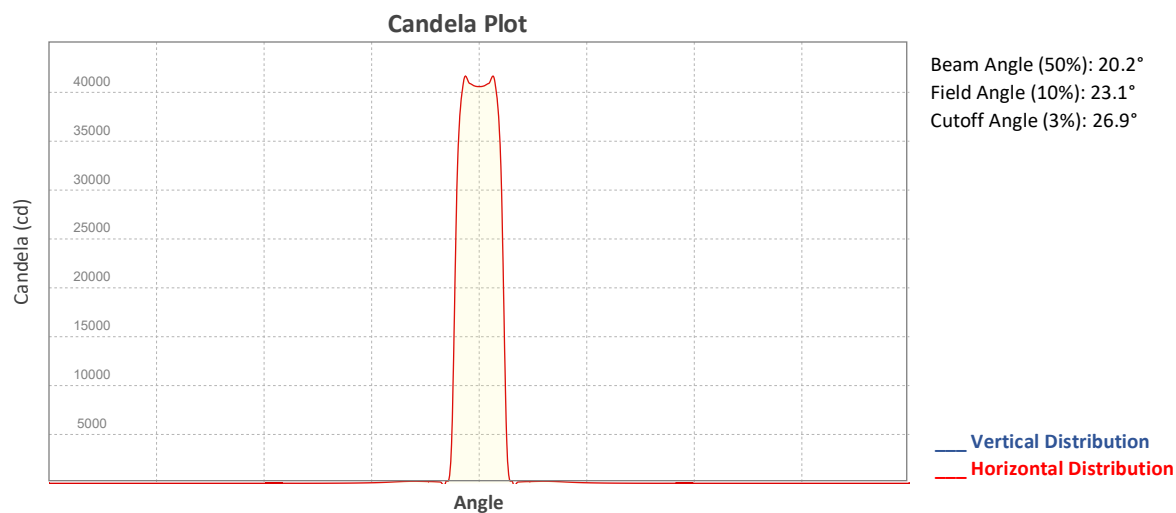


## Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 40622  | 10156  | 4514   | 2539   | 1625   | 1128   | 829    | 635    | 502    | 406    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 336    | 282    | 240    | 207    | 181    | 159    | 141    | 125    | 113    | 102    |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 3774   | 943    | 419    | 236    | 151    | 105    | 77     | 59     | 47     | 38     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 31     | 26     | 22     | 19     | 17     | 15     | 13     | 12     | 10     | 9      |

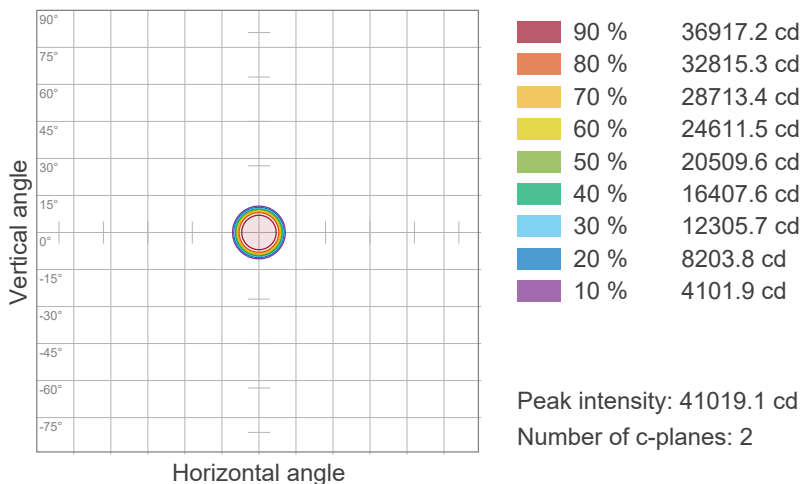
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 1

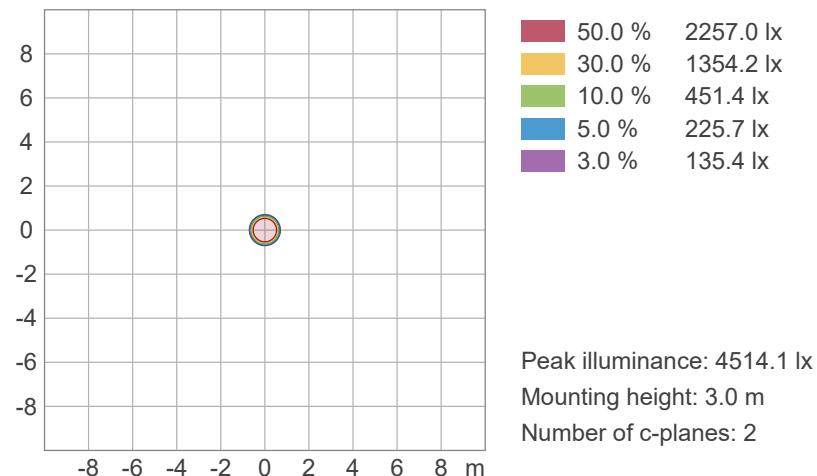


## ISO Diagrams

### ISO Candela Diagram



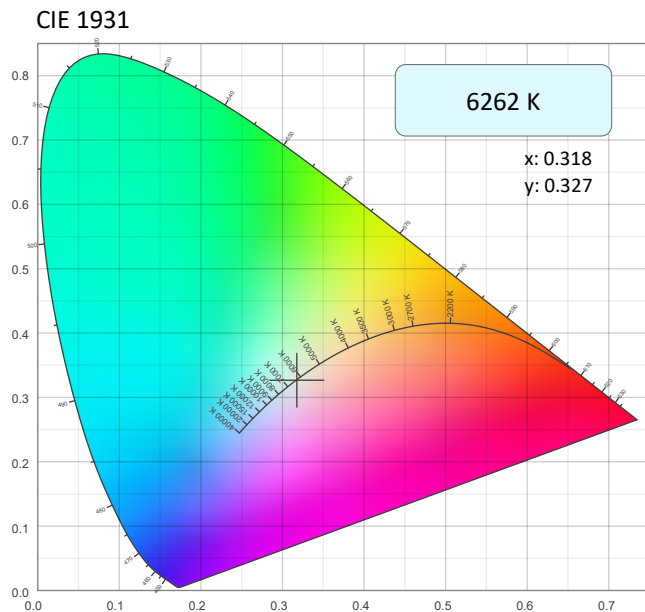
### ISO Lux Diagram



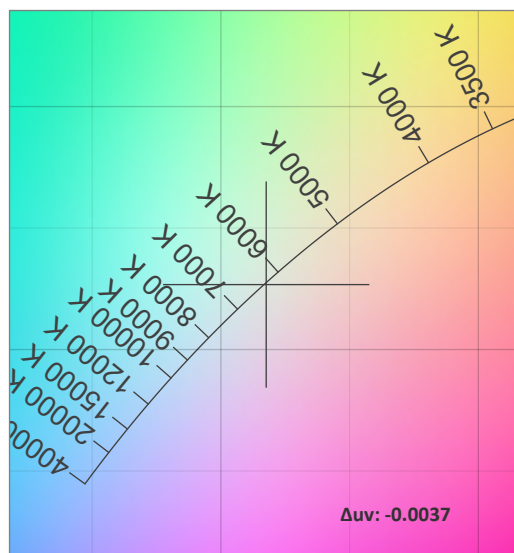
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 1

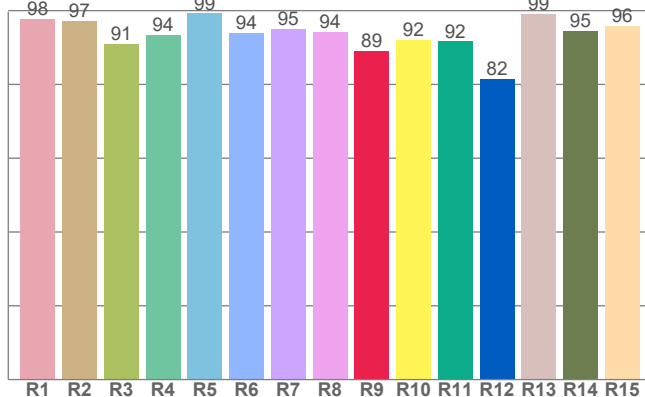
## Chromaticity



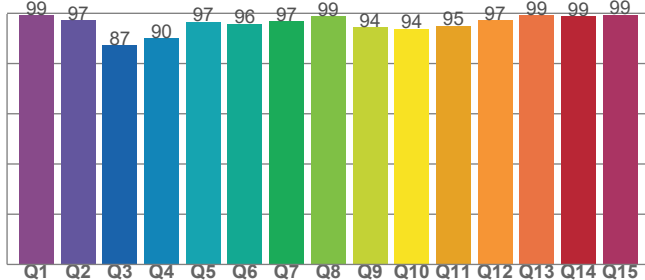
CIE 1931 - Zoom



CRI: 95.2 (R1-R8)



CQS: 94.8



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 6262 K            | 0.318                     | 0.327                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0037                               | 0.327                     | 0.202                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.2                  | 89.1          | 94.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 99                                    | 93.6           | 103.5       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 1

## TM-30 Details

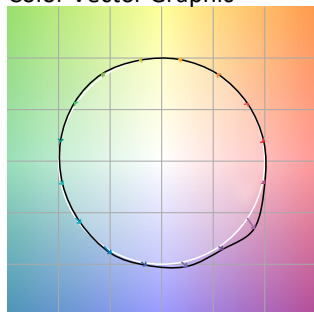
**Rf 93.6**

Fidelity Index  
(Rg)

**Rg 103.5**

Gammut Index (Rg)

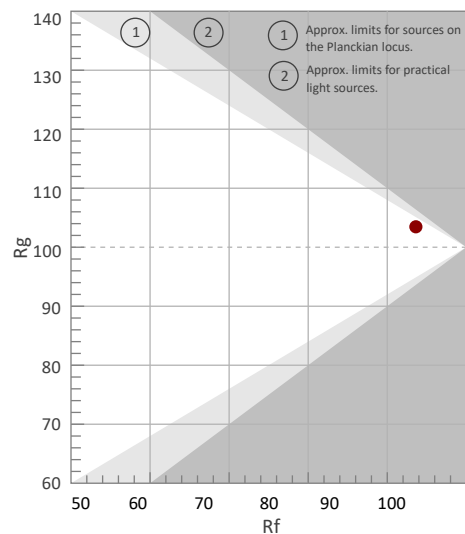
Color Vector Graphic



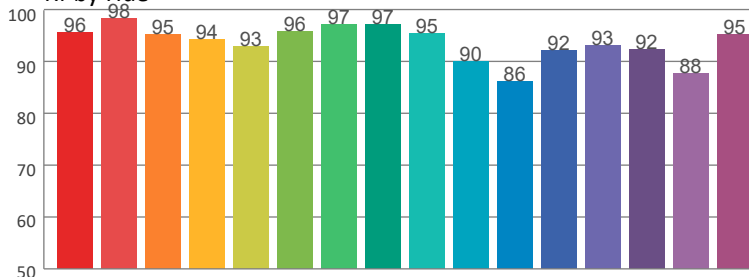
Color Distortion Graphic



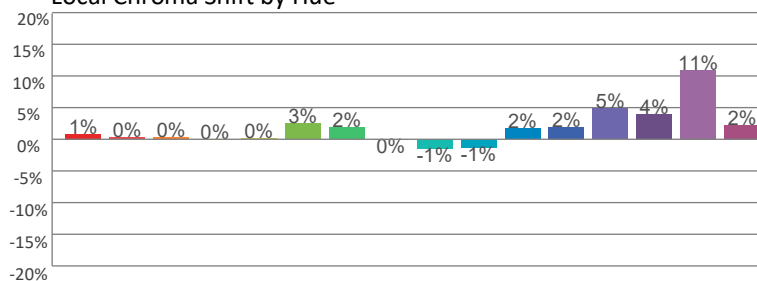
|         |                | Graphic shifts (%) |     |
|---------|----------------|--------------------|-----|
| Hue Bin | R <sub>f</sub> | Chroma             | Hue |
| 1       | 96             | 1%                 | -1% |
| 2       | 98             | 0%                 | 0%  |
| 3       | 95             | 0%                 | 2%  |
| 4       | 94             | 0%                 | 3%  |
| 5       | 93             | 0%                 | 2%  |
| 6       | 96             | 3%                 | 1%  |
| 7       | 97             | 2%                 | 0%  |
| 8       | 97             | 0%                 | 0%  |
| 9       | 95             | -1%                | 3%  |
| 10      | 90             | -1%                | 6%  |
| 11      | 86             | 2%                 | 9%  |
| 12      | 92             | 2%                 | 5%  |
| 13      | 93             | 5%                 | 4%  |
| 14      | 92             | 4%                 | 2%  |
| 15      | 88             | 11%                | -4% |
| 16      | 95             | 2%                 | -1% |



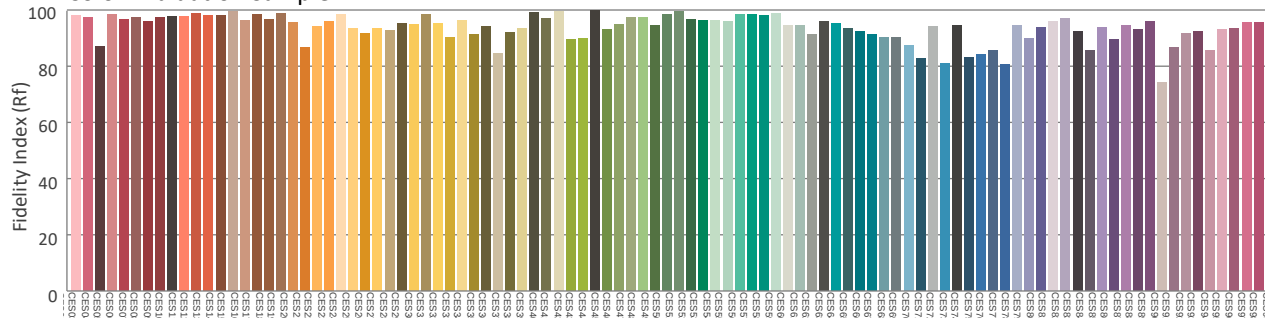
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 2

## Report Summary

### Measurements

Fixture Output: 3521 lm

Fixture Peak: 31658 cd

Fixture Efficacy: n/a lm/W

Intensity @ 5m: 1247 lux

Color Temperature: 6258 K

CRI: 95.2      CRI R9 Value: 89.4

CQS: 94.8

TLCI: 99

TM-30 Rf: 93.6

TM-30 Rg: 103.5

Beam Angle (50%): 20.5°

Field Angle (10%): 24.4°

Cutoff Angle (3%): 25.2°

### Conditions

AC Supply: 117 V, 60 Hz

Power: 0.0 W

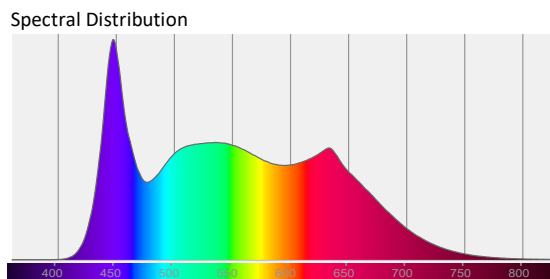
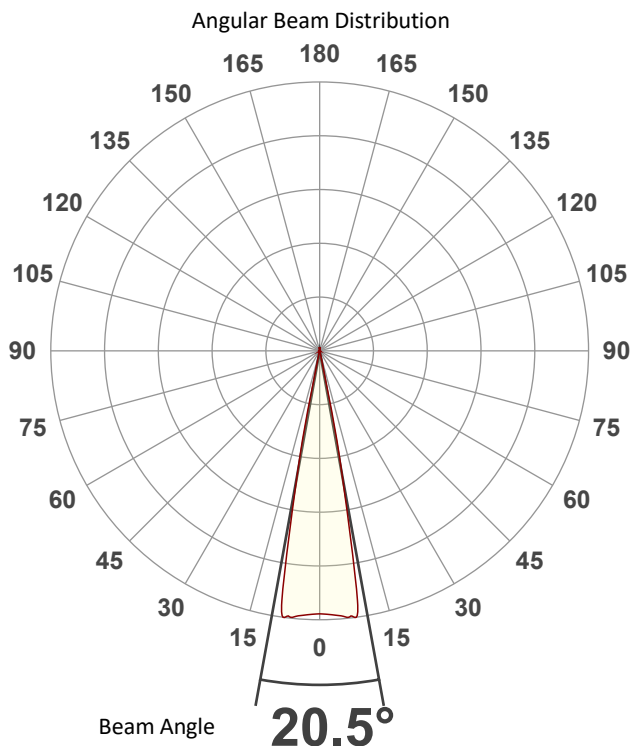
Current: 0.000 A

Power Factor: n/a



This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpon Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 6/21/2024 to LM-63-2002 Standards.

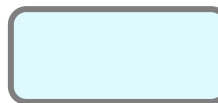
## Overall Measurement



Tested Color (CIE 1931):

X: 0.318

Y: 0.327

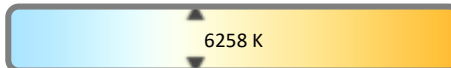


Light Quality

CRI: 95.2

Color Temperature

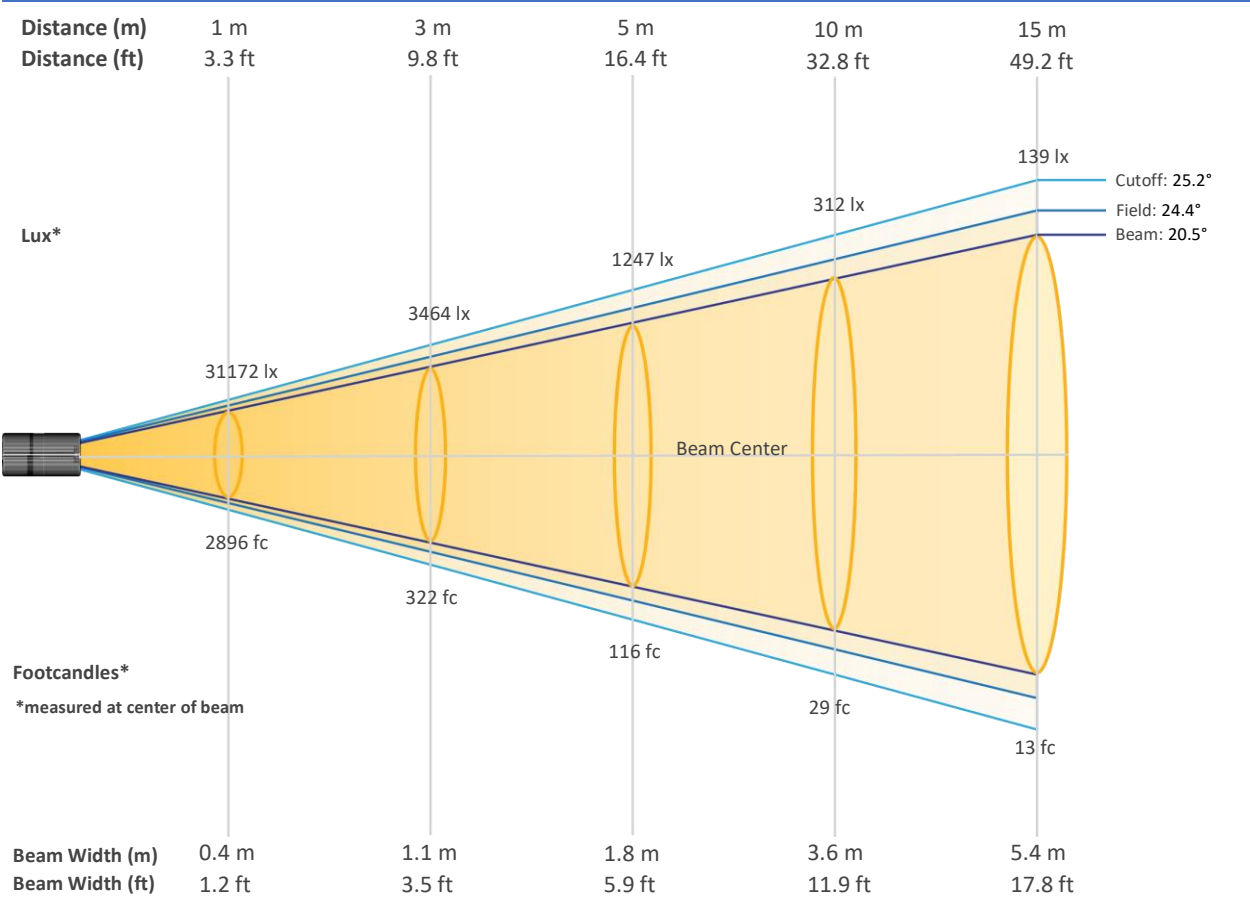
6258 K



# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 2

## Beam Details

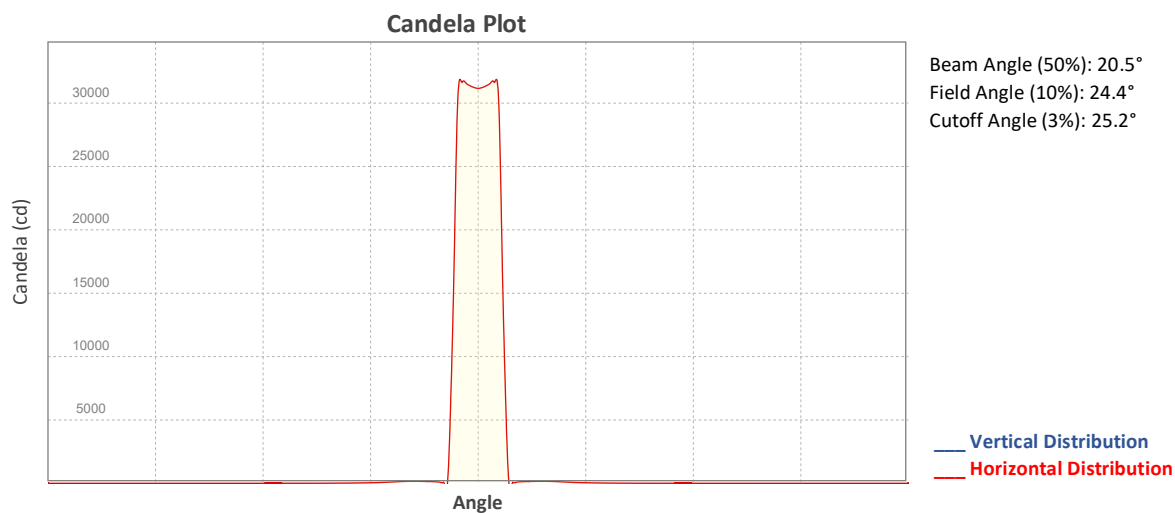


### Beam Intensities from 1-20m (3.3-65.6ft)

|          |        |        |        |        |        |        |        |        |        |        |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Distance | 1m     | 2m     | 3m     | 4m     | 5m     | 6m     | 7m     | 8m     | 9m     | 10m    |
| Lux      | 31172  | 7793   | 3464   | 1948   | 1247   | 866    | 636    | 487    | 385    | 312    |
| Distance | 11m    | 12m    | 13m    | 14m    | 15m    | 16m    | 17m    | 18m    | 19m    | 20m    |
| Lux      | 258    | 216    | 184    | 159    | 139    | 122    | 108    | 96     | 86     | 78     |
| Distance | 3.3ft  | 6.6ft  | 9.8ft  | 13.1ft | 16.4ft | 19.7ft | 23ft   | 26.2ft | 29.5ft | 32.8ft |
| FC       | 2896   | 724    | 322    | 181    | 116    | 80     | 59     | 45     | 36     | 29     |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC       | 24     | 20     | 17     | 15     | 13     | 11     | 10     | 9      | 8      | 7      |

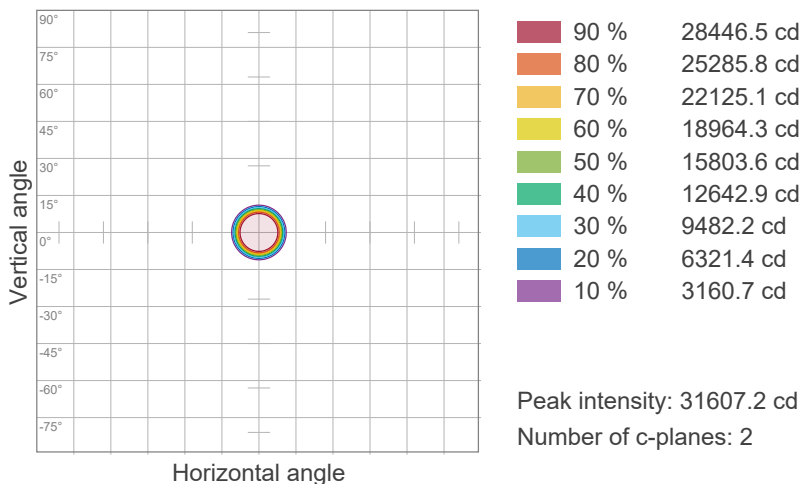
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 2

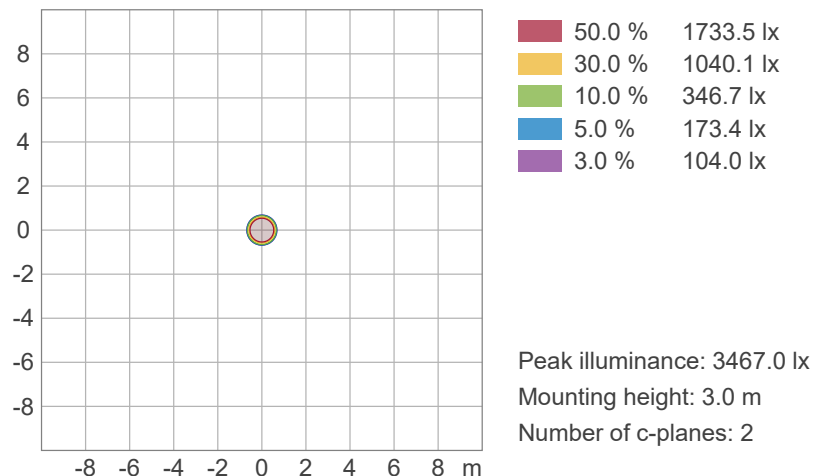


## ISO Diagrams

### ISO Candela Diagram



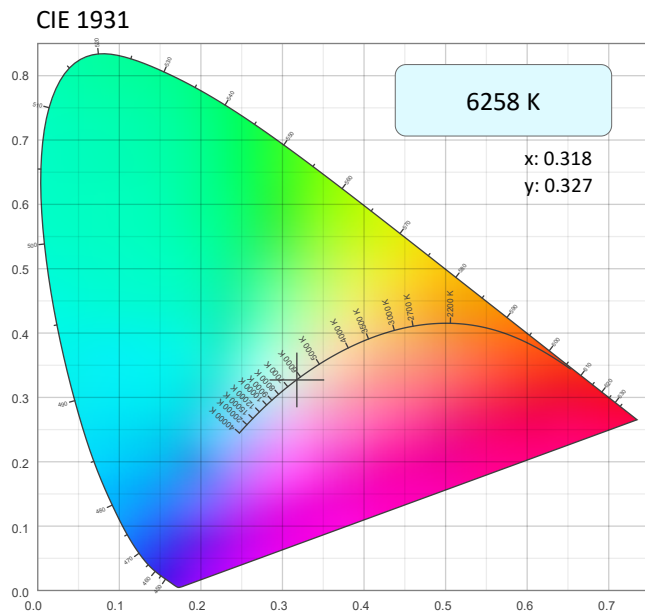
### ISO Lux Diagram



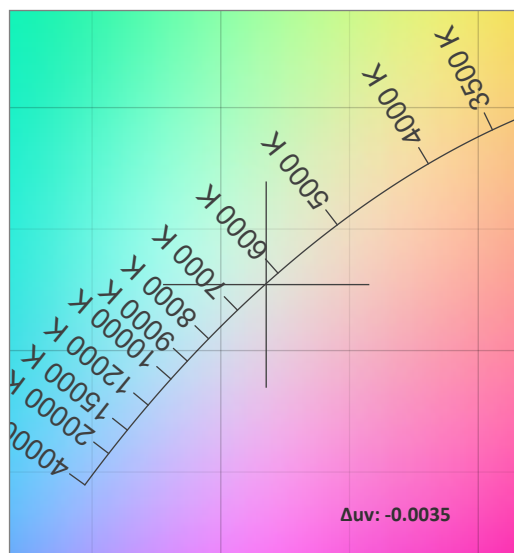
# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 2

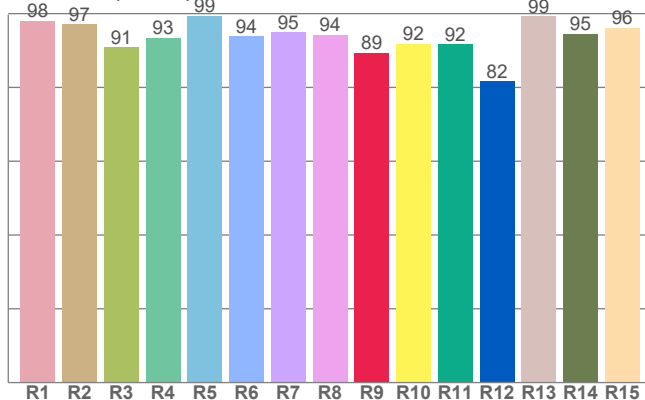
## Chromaticity



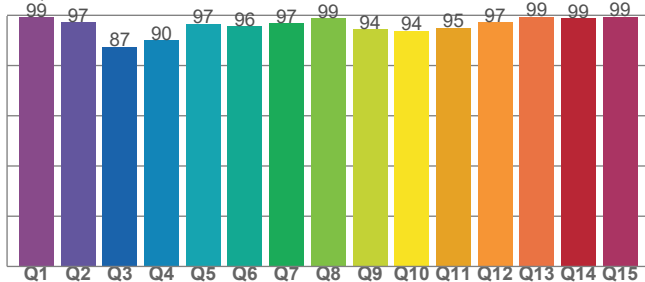
CIE 1931 - Zoom



CRI: 95.2 (R1-R8)



CQS: 94.8



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT               | x                         | y                         |
| 6258 K            | 0.318                     | 0.327                     |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| $\Delta uv$                           | y                         | u                         |
| -0.0035                               | 0.327                     | 0.202                     |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI                   | CRI - R9      | CQS                 |
| 95.2                  | 89.4          | 94.8                |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI                                  | TM30 - Rf      | TM30 Rg     |
| 99                                    | 93.6           | 103.5       |

# Photometric & Chromaticity Report

Maverick Silens 1X Profile: 50% Zoom - Full Power-Steady 2

## TM-30 Details

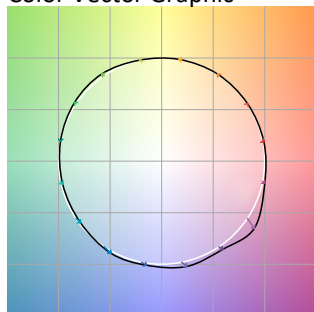
**Rf 93.6**

Fidelity Index  
(Rg)

**Rg 103.5**

Gammut Index (Rg)

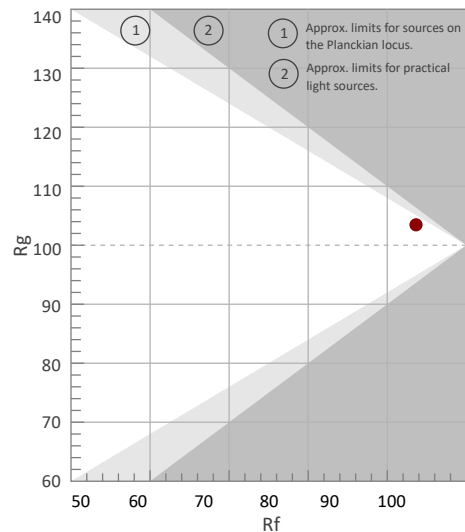
Color Vector Graphic



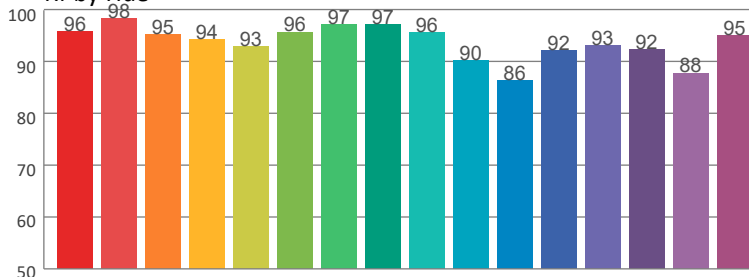
Color Distortion Graphic



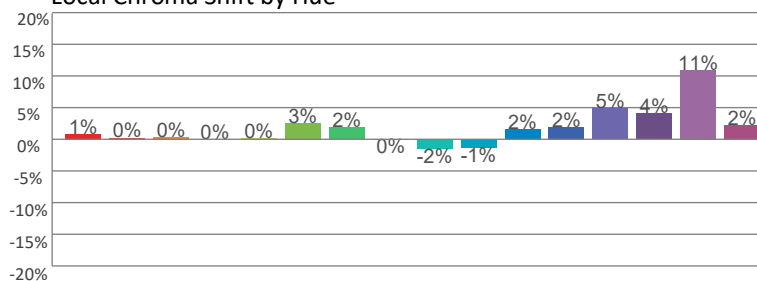
|         |    | Graphic shifts (%) |     |
|---------|----|--------------------|-----|
| Hue Bin | Rf | Chroma             | Hue |
| 1       | 96 | 1%                 | -1% |
| 2       | 98 | 0%                 | 0%  |
| 3       | 95 | 0%                 | 2%  |
| 4       | 94 | 0%                 | 3%  |
| 5       | 93 | 0%                 | 2%  |
| 6       | 96 | 3%                 | 1%  |
| 7       | 97 | 2%                 | 0%  |
| 8       | 97 | 0%                 | 0%  |
| 9       | 96 | -2%                | 3%  |
| 10      | 90 | -1%                | 6%  |
| 11      | 86 | 2%                 | 9%  |
| 12      | 92 | 2%                 | 5%  |
| 13      | 93 | 5%                 | 4%  |
| 14      | 92 | 4%                 | 2%  |
| 15      | 88 | 11%                | -4% |
| 16      | 95 | 2%                 | -1% |



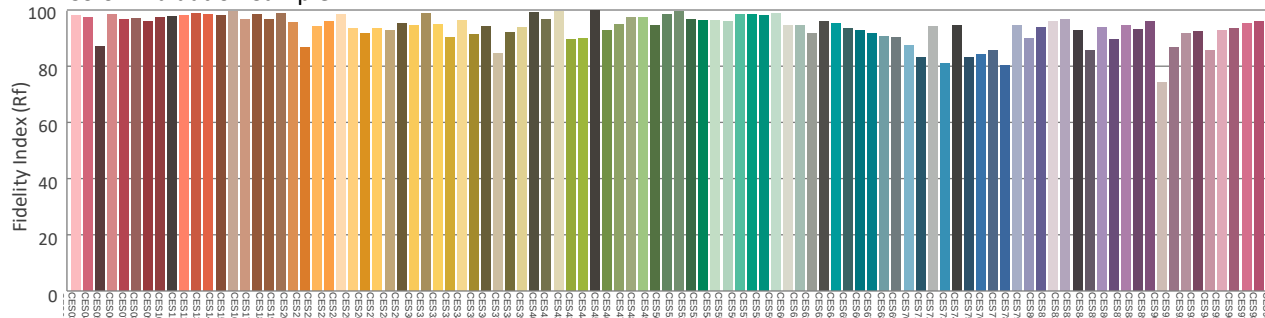
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



## Contact Us

| General Information                                                                                                                                     | Technical Support                                                                                                                                                                                            |
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Visit the applicable website above to verify our contact information and instructions to request support. Outside the U.S., U.K., Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.

