

PHOTOMETRICS REPORT

MAVERICK FORCE S PROFILE



CHAUVET
PROFESSIONAL

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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 Sunrise, 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.

Photometric Report

Maverick Force S Profile: Full Flood - Full Power

Report Summary

Output

Total Lumens: 14669 lm
Peak Intensity: 46009 cd
Illuminance @ 5m: 1840 lux
Fixture Efficacy: 18 lm/W

Optical

Horizontal Beam Angle (50%): 35.9°
Vertical Beam Angle (50%): 35.9°
Horizontal Field Angle (10%): 40.5°
Vertical Field Angle (10%): 40.5°
Horizontal Cutoff Angle (3%): 41.6°
Vertical Cutoff Angle (3%): 41.6°

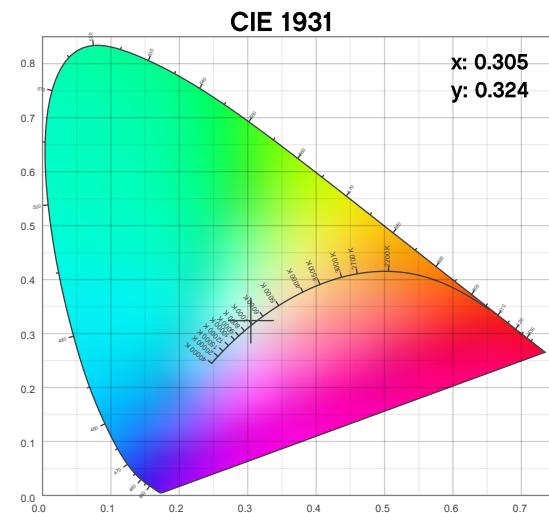
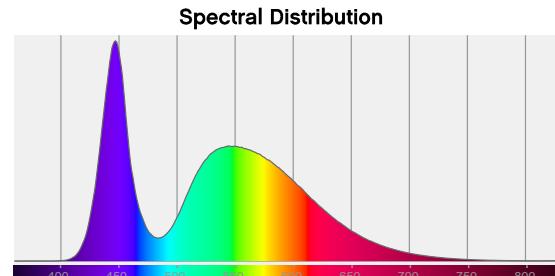
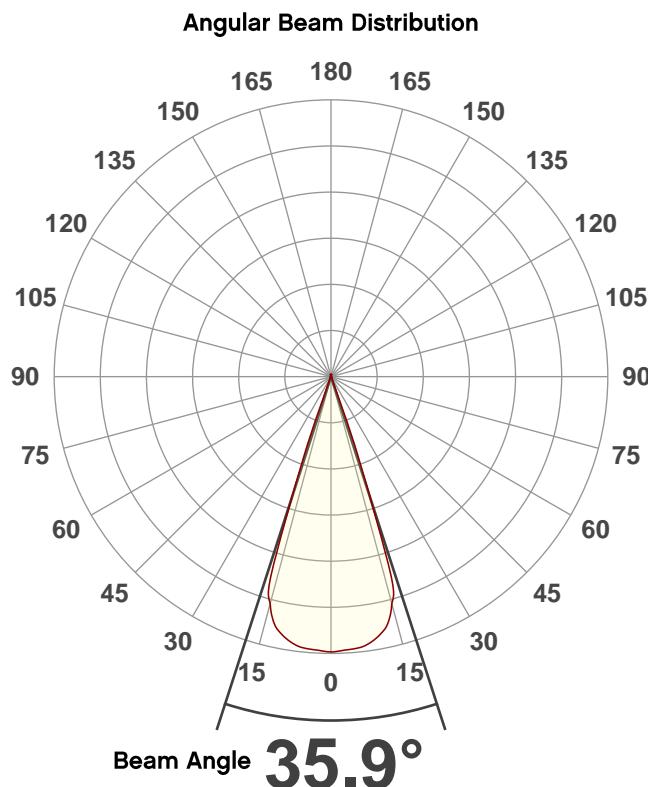
Conditions

AC Supply: 116 V, 60 Hz
Power: 831.06 W
Current: 7.15 A
Power Factor: 1.0



This data sheet conforms to American National Standard E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

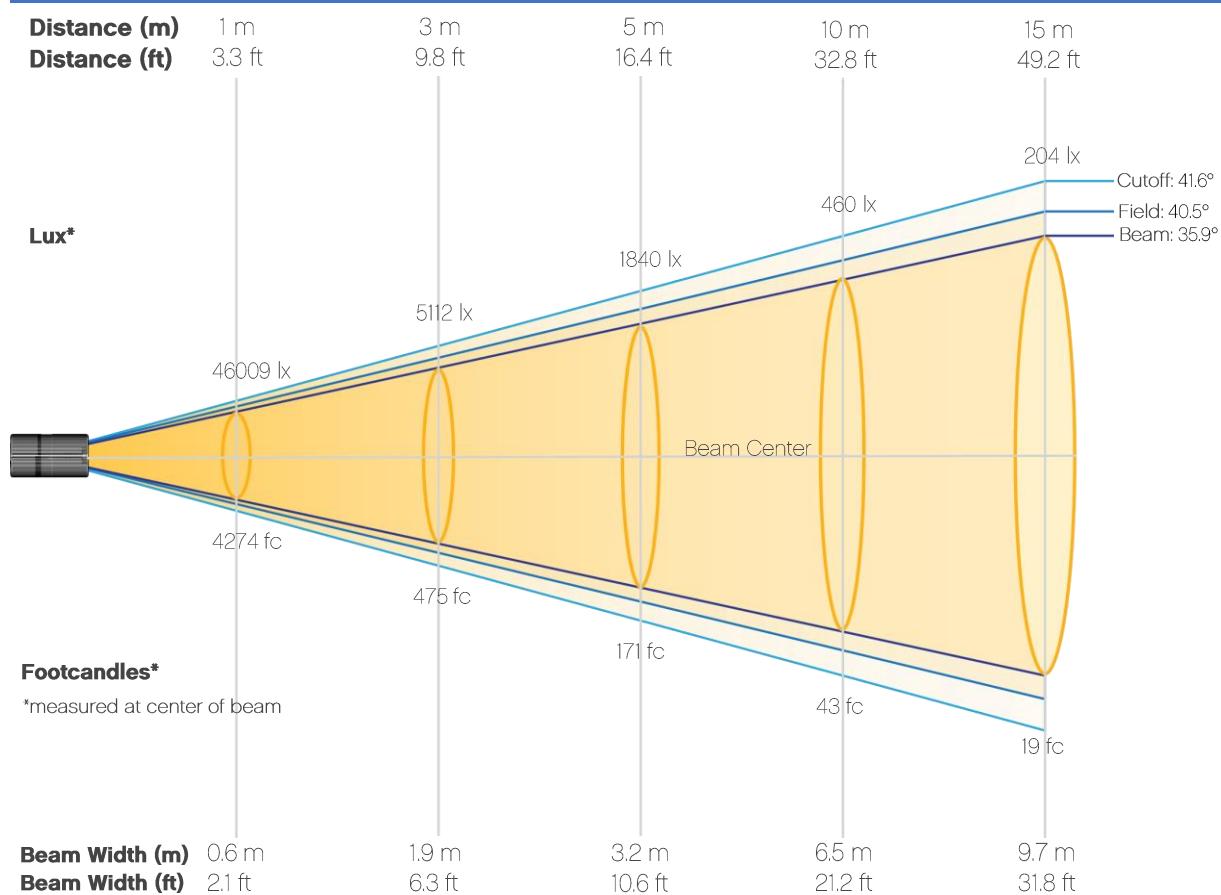
Overall Measurement



Photometric Report

Maverick Force S Profile: Full Flood - Full Power

Beam Details

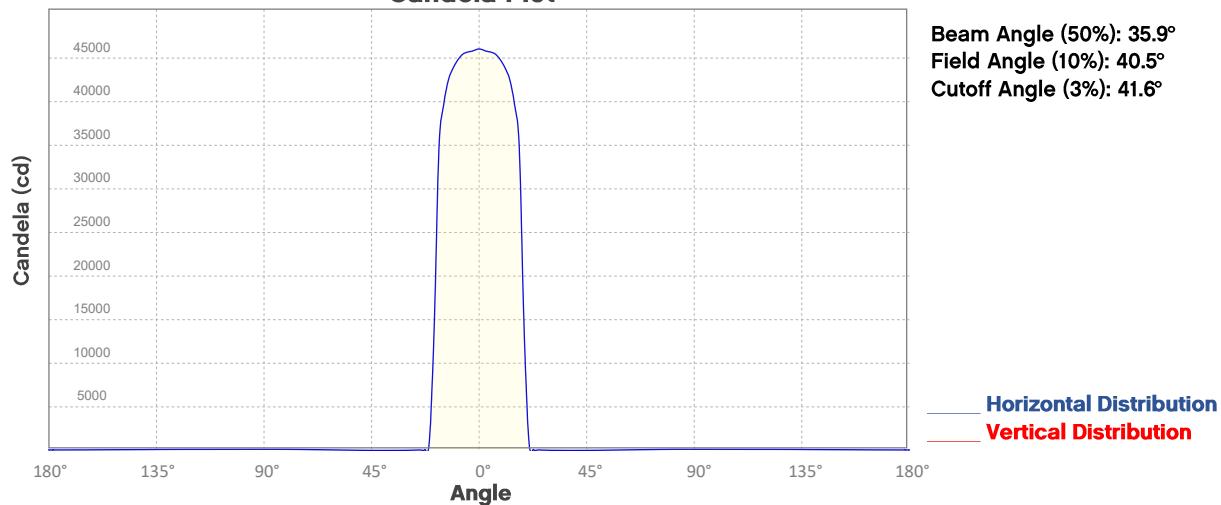


Beam Illuminances from 1-20m (3.3-65.6ft)

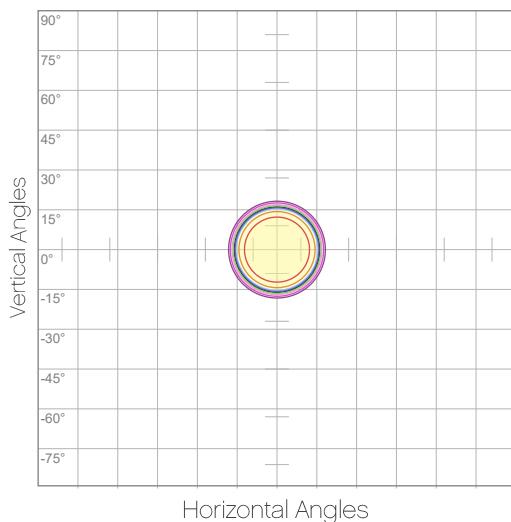
| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux | 46009 | 11502 | 5112 | 2876 | 1840 | 1278 | 939 | 719 | 568 | 460 |
| Distance | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
| Lux | 380 | 320 | 272 | 235 | 204 | 180 | 159 | 142 | 127 | 115 |
| Distance | 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft |
| FC | 4274 | 1069 | 475 | 267 | 171 | 119 | 87 | 67 | 53 | 43 |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC | 35 | 30 | 25 | 22 | 19 | 17 | 15 | 13 | 12 | 11 |

Photometric Report

Maverick Force S Profile: Full Flood - Full Power Candela Plot



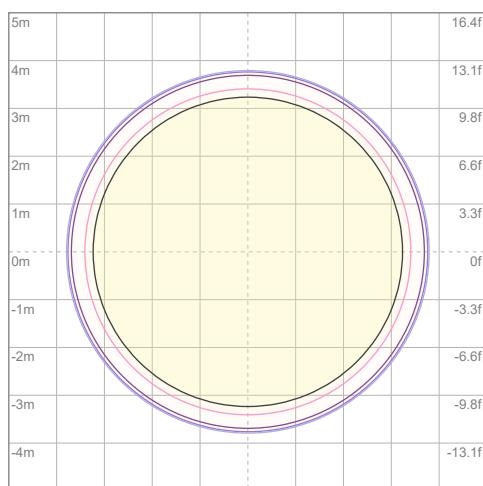
Polar Diagrams



iso-candela Diagram

| | |
|-----|----------|
| 10% | 4601 cd |
| 20% | 9202 cd |
| 30% | 13803 cd |
| 40% | 18404 cd |
| 50% | 23005 cd |
| 60% | 27606 cd |
| 70% | 32206 cd |
| 80% | 36807 cd |
| 90% | 41408 cd |

Conditions:
Number of c-planes: 2
Candela at center: 46009 cd



iso-illuminance Diagram

| | |
|-----|---------|
| 3% | 13.8 lx |
| 5% | 23.0 lx |
| 10% | 46.0 lx |
| 30% | 138 lx |
| 50% | 230 lx |

Conditions:
Number of c-planes: 2
Lux at center: 460 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Force S Profile: Full Spot - Focus Correction Off - Full Power

Report Summary

Output

Total Lumens: 8014 lm
Peak Intensity: 1492293 cd
Illuminance @ 5m: 56806 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 4.5°
Vertical Beam Angle (50%): 4.5°
Horizontal Field Angle (10%): 5.2°
Vertical Field Angle (10%): 5.2°
Horizontal Cutoff Angle (3%): 5.8°
Vertical Cutoff Angle (3%): 5.8°

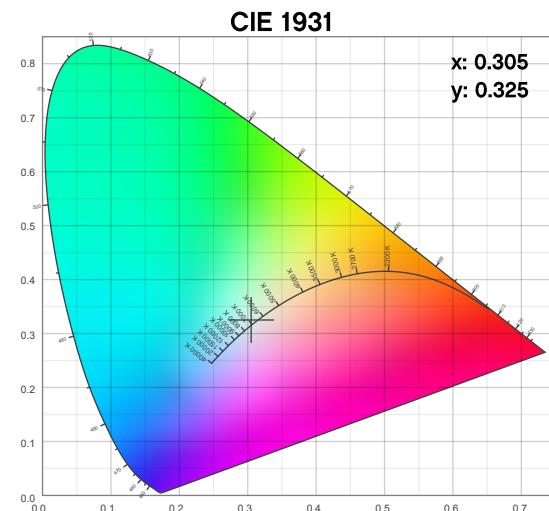
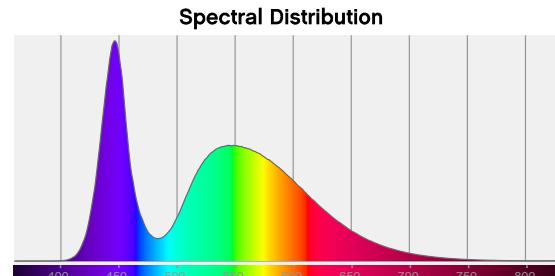
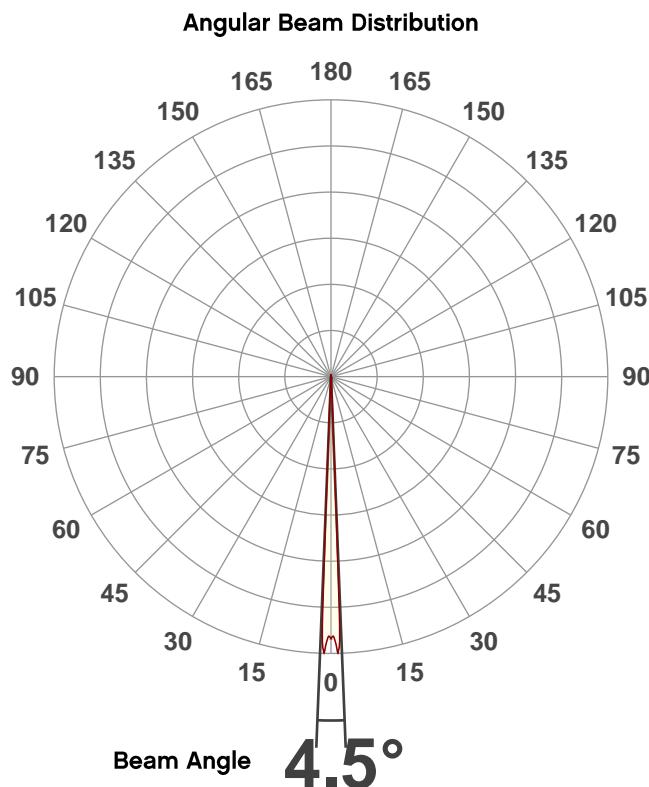
Conditions

AC Supply: 116 V, 60.1 Hz
Power: 823.81 W
Current: 7.10 A
Power Factor: 1.0



This data sheet conforms to American National Standard E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

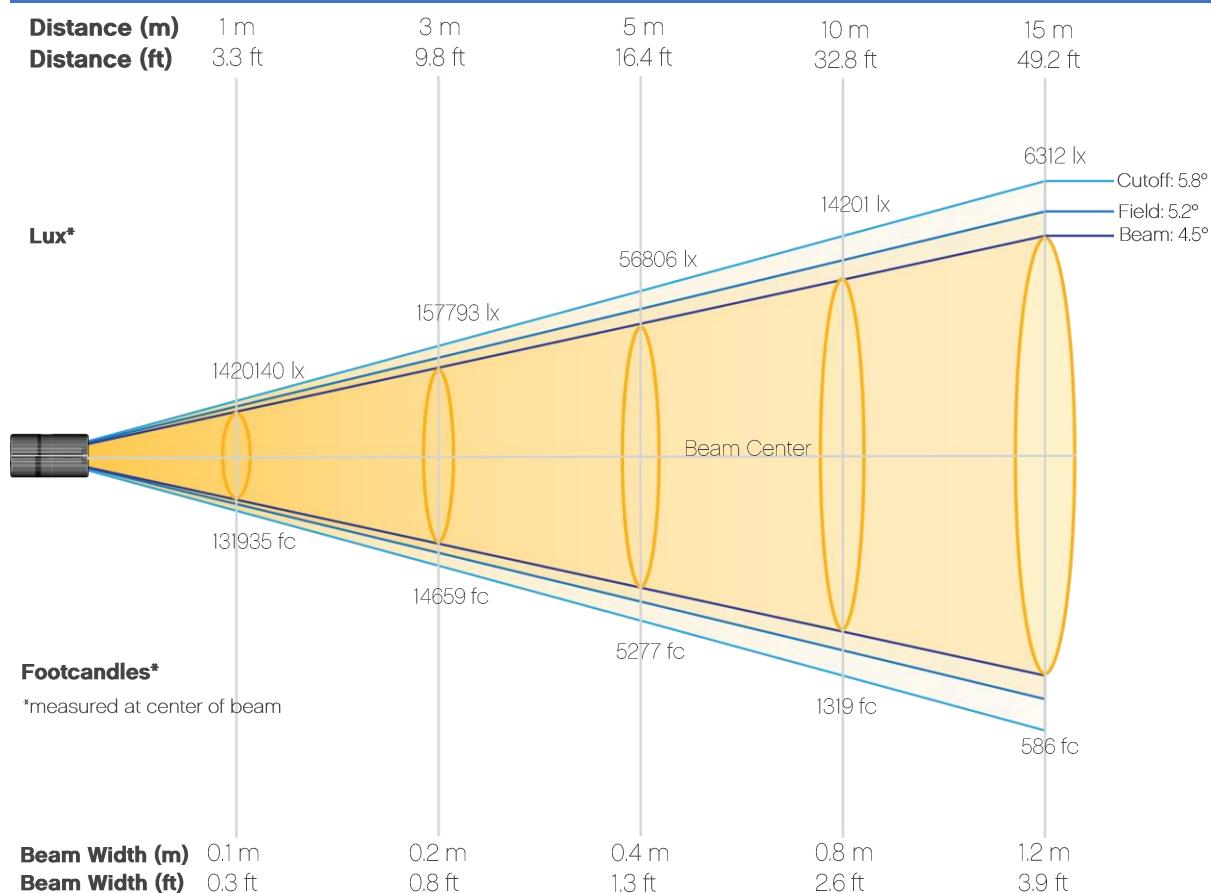
Overall Measurement



Photometric Report

Maverick Force S Profile: Full Spot - Focus Correction Off - Full Power

Beam Details

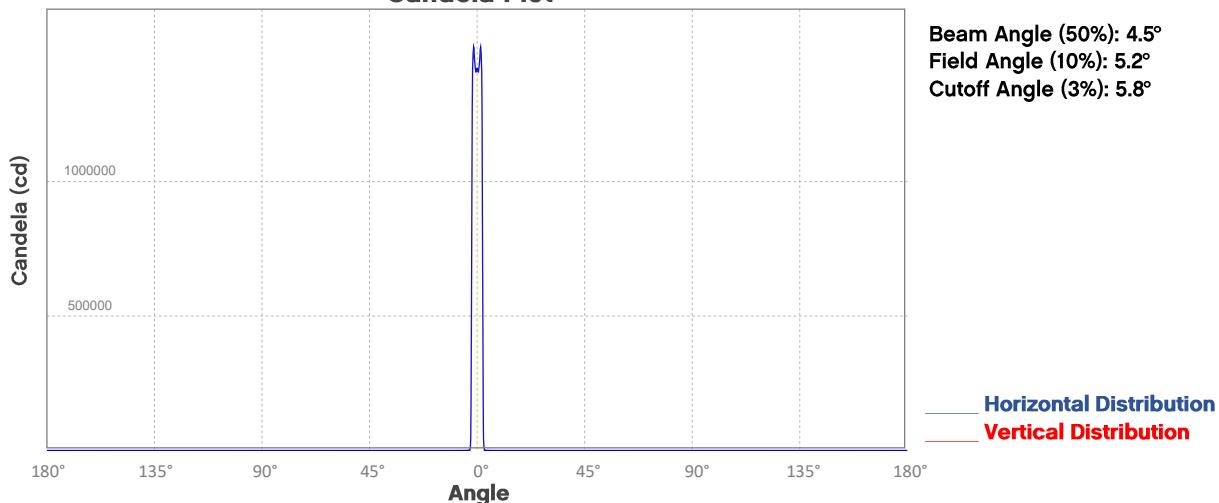


Beam Illuminances from 1-20m (3.3-65.6ft)

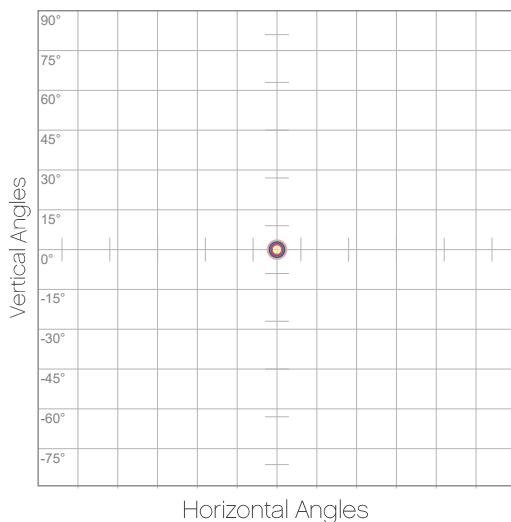
| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|----------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX | 1420140 | 355035 | 157793 | 88759 | 56806 | 39448 | 28982 | 22190 | 17533 | 14201 |
| Distance | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
| LUX | 11737 | 9862 | 8403 | 7246 | 6312 | 5547 | 4914 | 4383 | 3934 | 3550 |
| Distance | 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft |
| FC | 131935 | 32984 | 14659 | 8246 | 5277 | 3665 | 2693 | 2061 | 1629 | 1319 |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC | 1090 | 916 | 781 | 673 | 586 | 515 | 457 | 407 | 365 | 330 |

Photometric Report

Maverick Force S Profile: Full Spot - Focus Correction Off - Full Power
Candela Plot

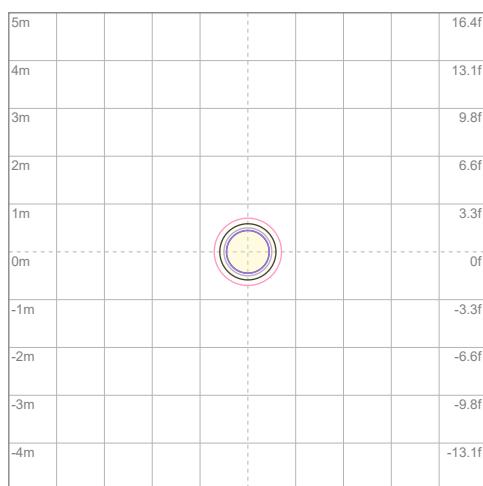


Polar Diagrams



iso-candela Diagram

Conditions:
Number of c-planes: 2
Candela at center: 1420140 cd



iso-illuminance Diagram

Conditions:
Number of c-planes: 2
Lux at center: 14.2K lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Force S Profile: Full Spot - Focus Correction On - Full Power

Report Summary

Output

Total Lumens: 8340 lm
Peak Intensity: 1418495 cd
Illuminance @ 5m: 56740 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 4.6°
Vertical Beam Angle (50%): 4.6°
Horizontal Field Angle (10%): 6°
Vertical Field Angle (10%): 6°
Horizontal Cutoff Angle (3%): 7.2°
Vertical Cutoff Angle (3%): 7.2°

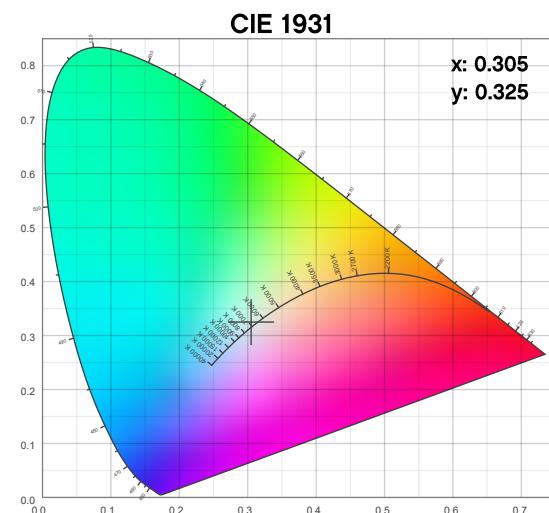
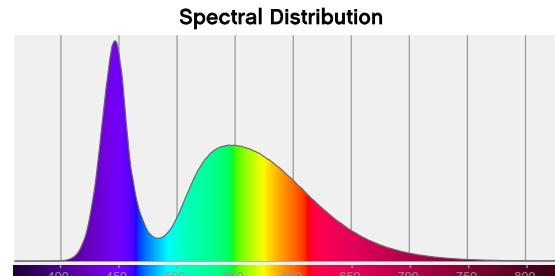
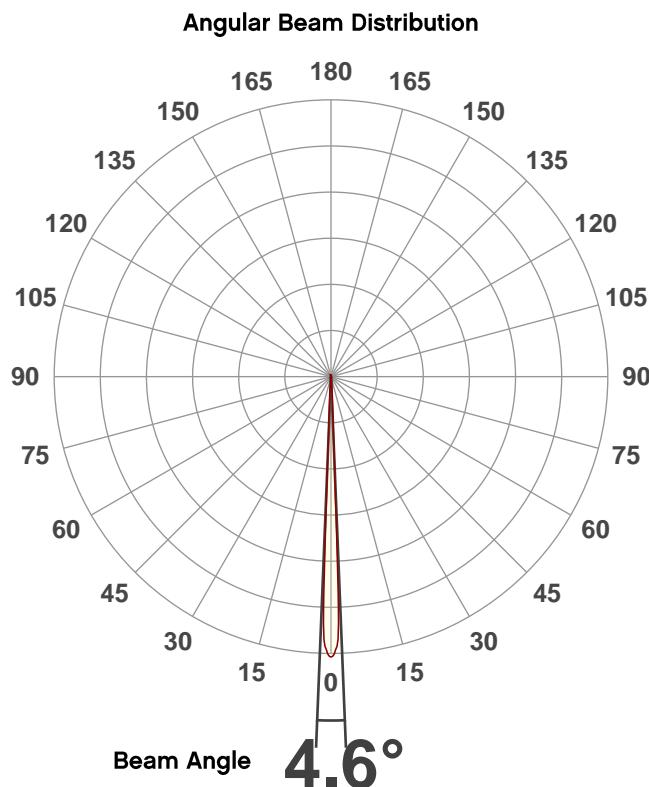
Conditions

AC Supply: 116 V, 60 Hz
Power: 830.44 W
Current: 7.14 A
Power Factor: 1.0



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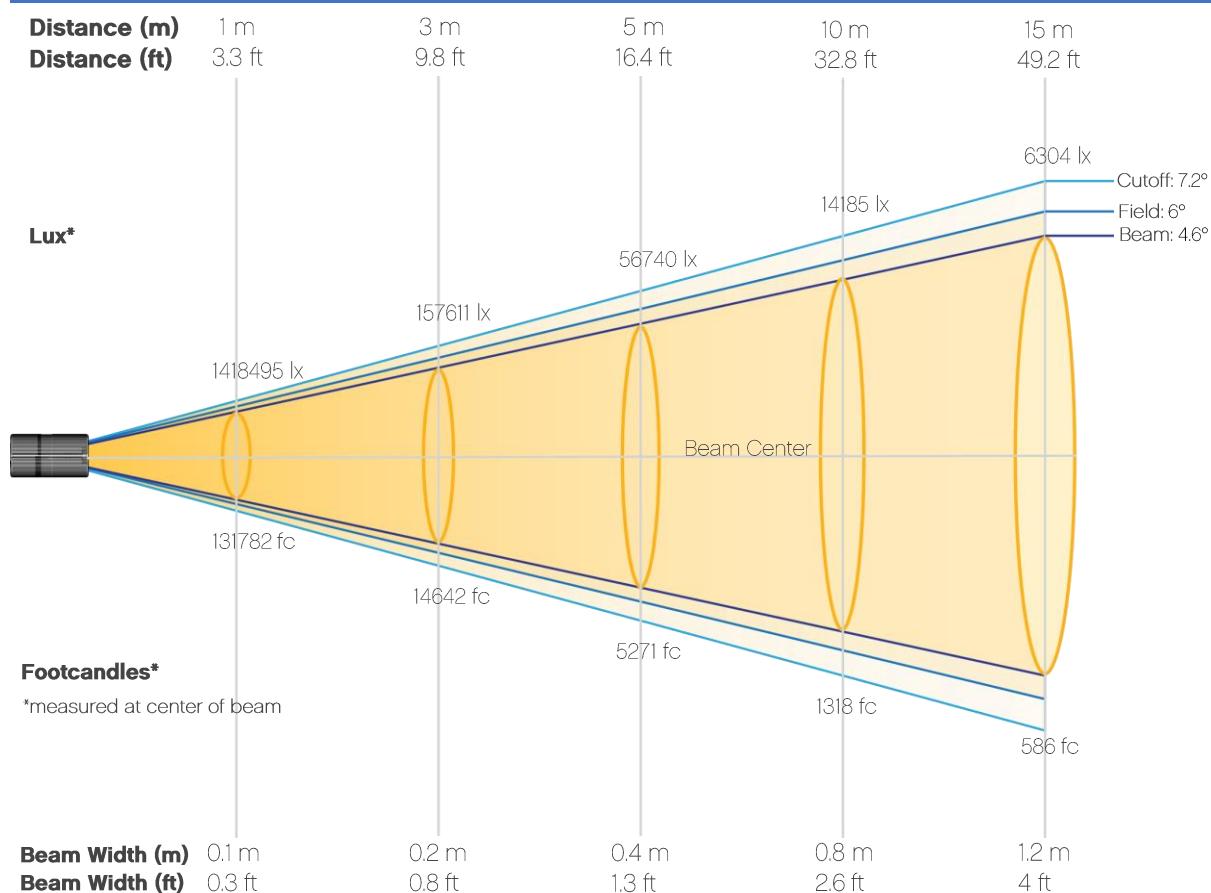
Overall Measurement



Photometric Report

Maverick Force S Profile: Full Spot - Focus Correction On - Full Power

Beam Details

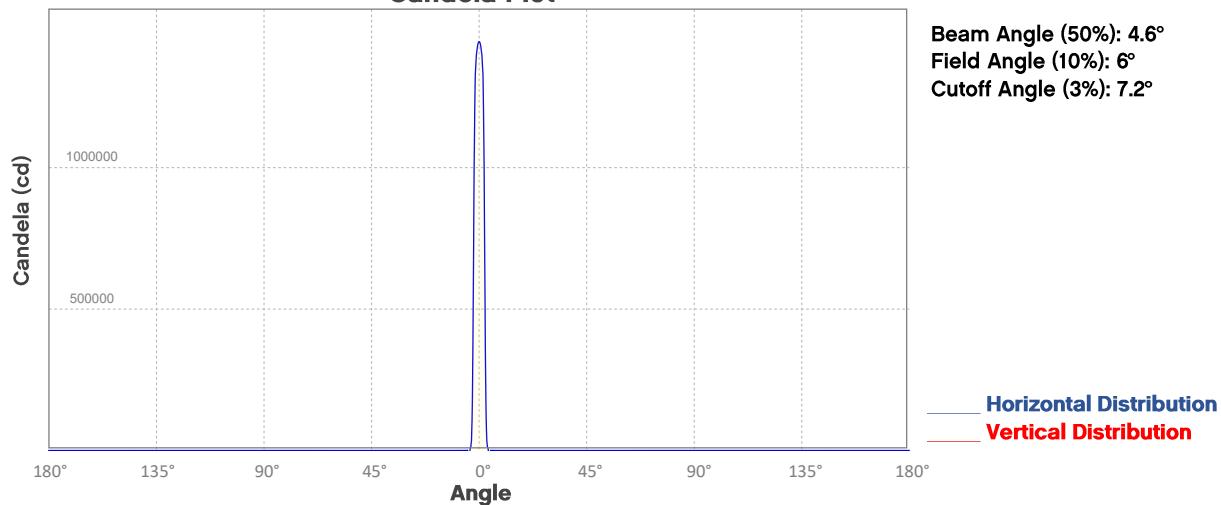


Beam Illuminances from 1-20m (3.3-65.6ft)

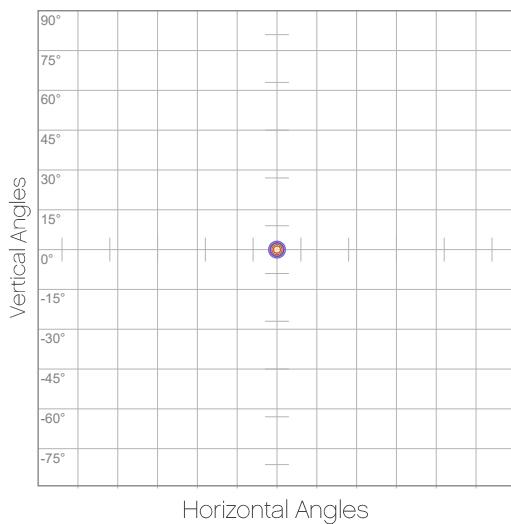
| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|----------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| LUX | 141849 5 | 354624 | 157611 | 88656 | 56740 | 39403 | 28949 | 22164 | 17512 | 14185 |
| Distance | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
| LUX | 11723 | 9851 | 8393 | 7237 | 6304 | 5541 | 4908 | 4378 | 3929 | 3546 |
| Distance | 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft |
| FC | 131782 | 32946 | 14642 | 8236 | 5271 | 3661 | 2689 | 2059 | 1627 | 1318 |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC | 1089 | 915 | 780 | 672 | 586 | 515 | 456 | 407 | 365 | 329 |

Photometric Report

Maverick Force S Profile: Full Spot - Focus Correction On - Full Power
Candela Plot



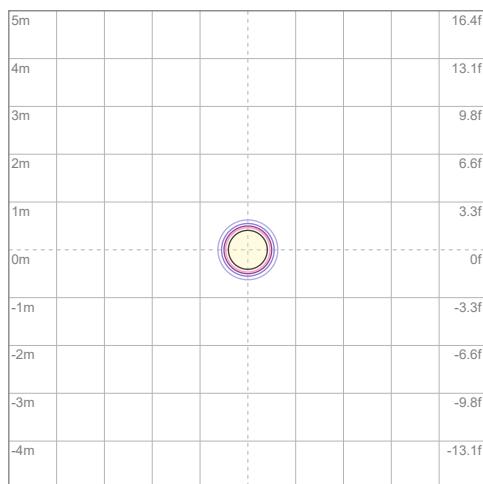
Polar Diagrams



iso-candela Diagram

| | |
|-----|------------|
| 10% | 141849 cd |
| 20% | 283699 cd |
| 30% | 425548 cd |
| 40% | 567398 cd |
| 50% | 709247 cd |
| 60% | 851097 cd |
| 70% | 992946 cd |
| 80% | 1134796 cd |
| 90% | 1276645 cd |

Conditions:
Number of c-planes: 2
Candela at center: 141849 cd



iso-illuminance Diagram

| | |
|-----|---------|
| 3% | 426 lx |
| 5% | 709 lx |
| 10% | 1418 lx |
| 30% | 4255 lx |
| 50% | 7092 lx |

Conditions:
Number of c-planes: 2
Lux at center: 14.2K lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Force S Profile: 50% Zoom - Full Power

Report Summary

Output

Total Lumens: 14393 lm
Peak Intensity: 313355 cd
Illuminance @ 5m: 12534 lux
Fixture Efficacy: 17 lm/W

Optical

Horizontal Beam Angle (50%): 13.4°
Vertical Beam Angle (50%): 13.4°
Horizontal Field Angle (10%): 15.2°
Vertical Field Angle (10%): 15.2°
Horizontal Cutoff Angle (3%): 16.3°
Vertical Cutoff Angle (3%): 16.3°

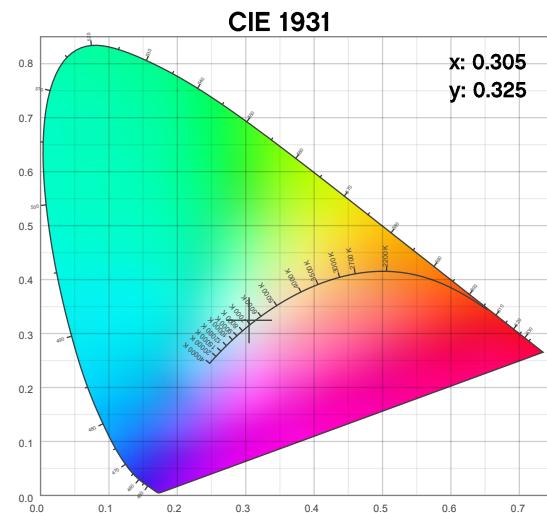
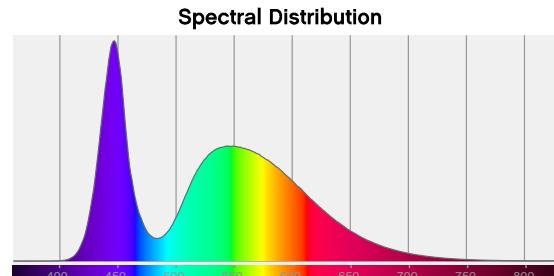
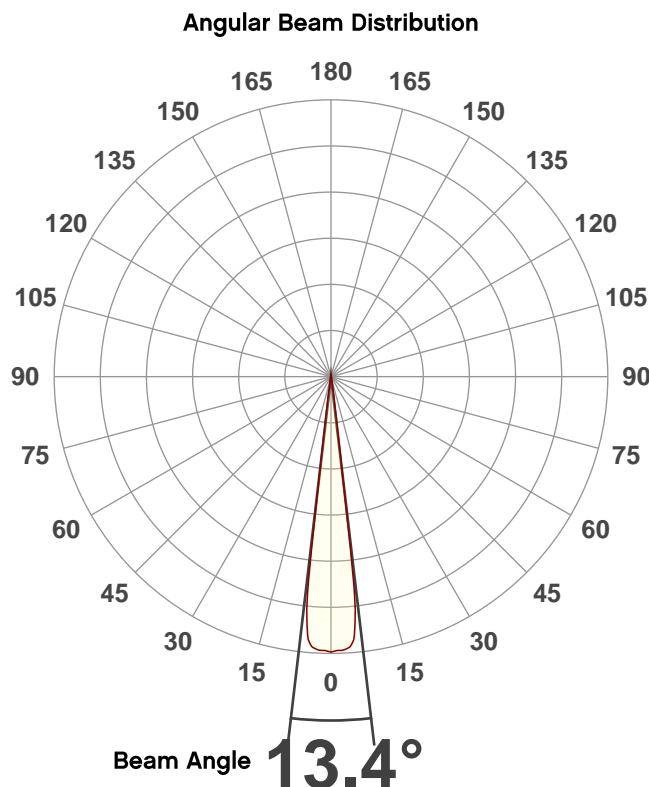
Conditions

AC Supply: 116 V, 60 Hz
Power: 829.03 W
Current: 7.13 A
Power Factor: 1.0



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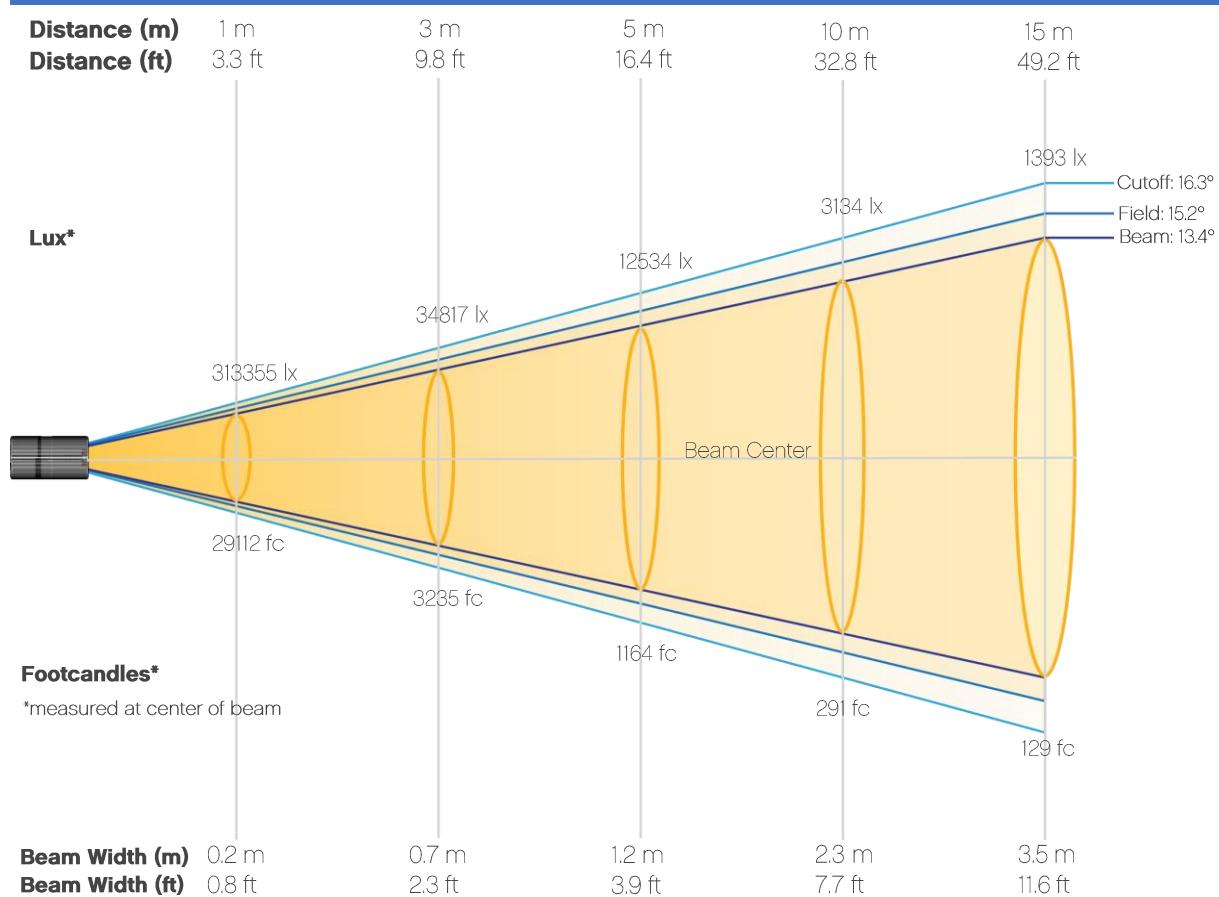
Overall Measurement



Photometric Report

Maverick Force S Profile: 50% Zoom - Full Power

Beam Details

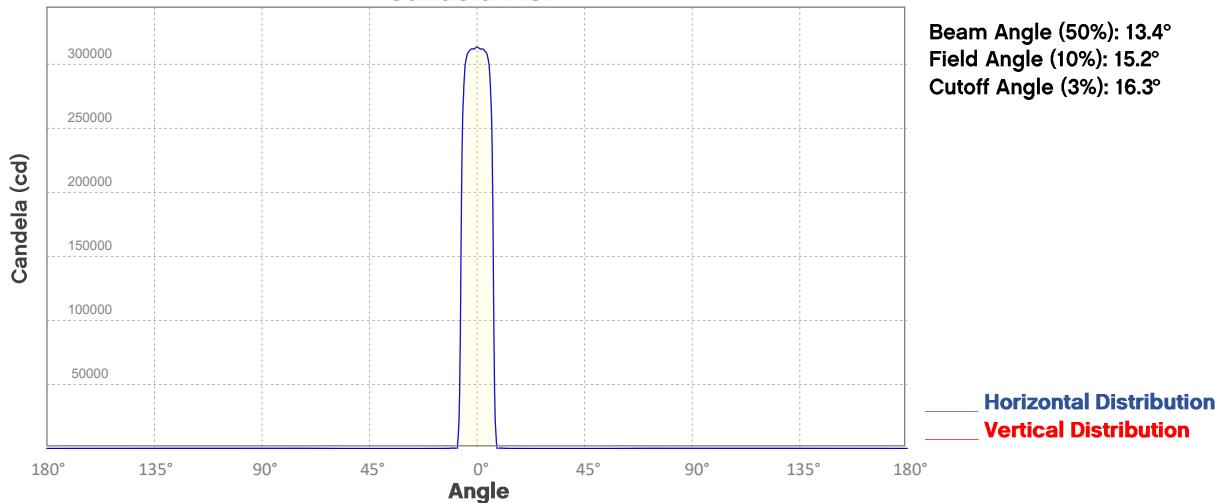


Beam Illuminances from 1-20m (3.3-65.6ft)

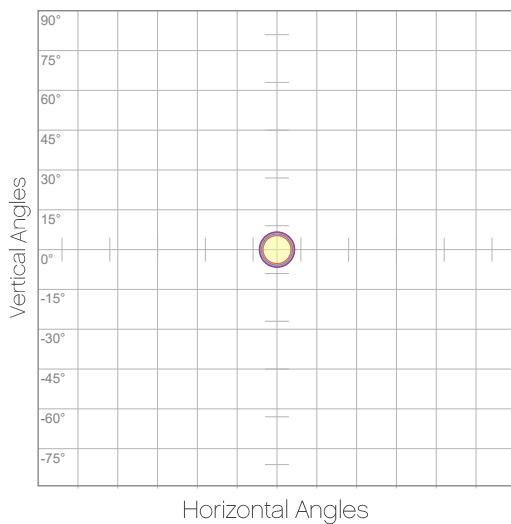
| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux | 313355 | 78339 | 34817 | 19585 | 12534 | 8704 | 6395 | 4896 | 3869 | 3134 |
| Distance | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
| Lux | 2590 | 2176 | 1854 | 1599 | 1393 | 1224 | 1084 | 967 | 868 | 783 |
| Distance | 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft |
| FC | 29112 | 7278 | 3235 | 1819 | 1164 | 809 | 594 | 455 | 359 | 291 |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC | 241 | 202 | 172 | 149 | 129 | 114 | 101 | 90 | 81 | 73 |

Photometric Report

Maverick Force S Profile: 50% Zoom - Full Power
Candela Plot



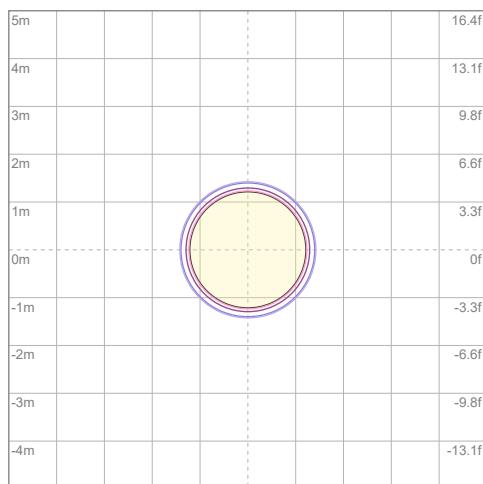
Polar Diagrams



iso-candela Diagram

| | |
|-----|-----------|
| 10% | 31336 cd |
| 20% | 62671 cd |
| 30% | 94007 cd |
| 40% | 125342 cd |
| 50% | 156678 cd |
| 60% | 188013 cd |
| 70% | 219349 cd |
| 80% | 250684 cd |
| 90% | 282020 cd |

Conditions:
Number of c-planes: 2
Candela at center: 313355 cd



iso-illuminance Diagram

| | |
|-----|---------|
| 3% | 94.0 lx |
| 5% | 157 lx |
| 10% | 313 lx |
| 30% | 940 lx |
| 50% | 1567 lx |

Conditions:
Number of c-planes: 2
Lux at center: 3134 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Force S Profile: 50% Zoom - CRI Filter - Full Power

Report Summary

Output

Total Lumens: 9670 lm
Peak Intensity: 208851 cd
Illuminance @ 5m: 8354 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 13.4°
Vertical Beam Angle (50%): 13.4°
Horizontal Field Angle (10%): 15.3°
Vertical Field Angle (10%): 15.3°
Horizontal Cutoff Angle (3%): 16.2°
Vertical Cutoff Angle (3%): 16.2°

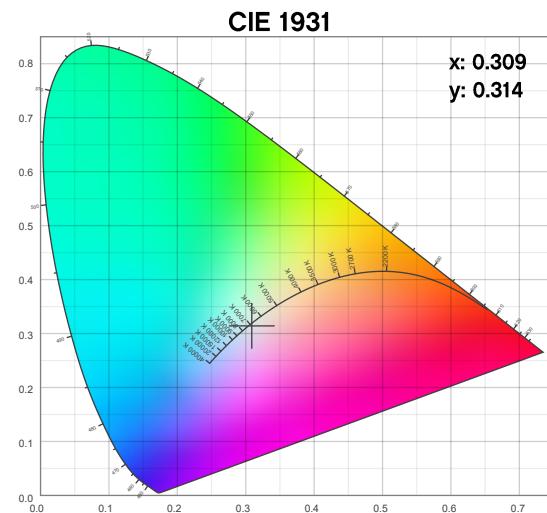
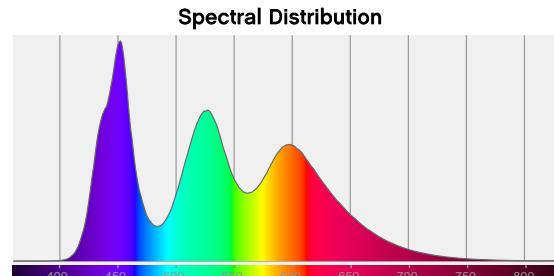
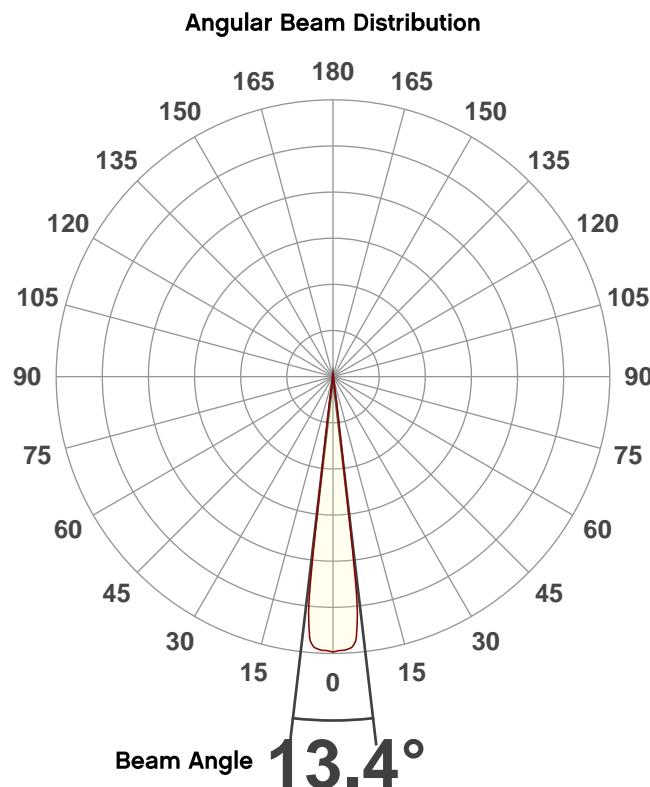
Conditions

AC Supply: 116 V, 60 Hz
Power: 821.06 W
Current: 7.06 A
Power Factor: 1.0



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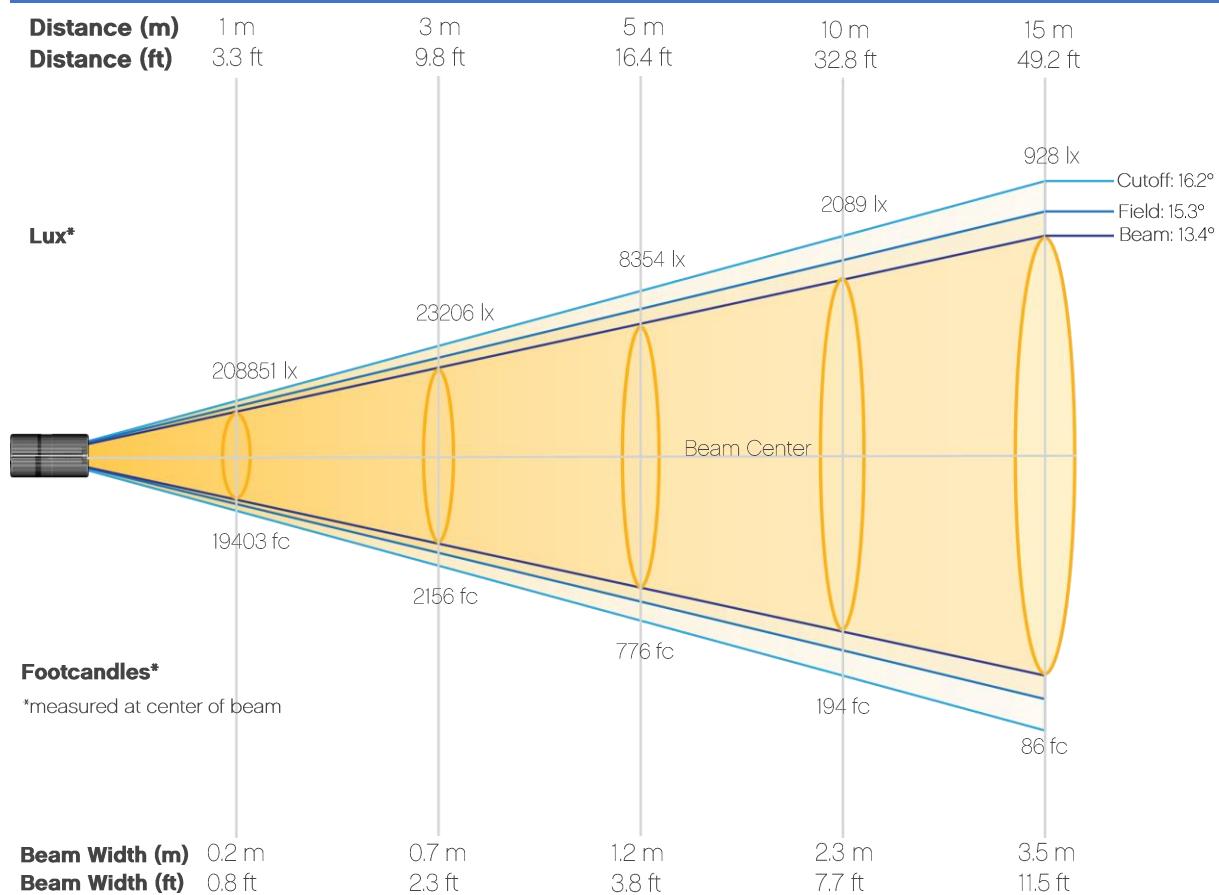
Overall Measurement



Photometric Report

Maverick Force S Profile: 50% Zoom - CRI Filter - Full Power

Beam Details

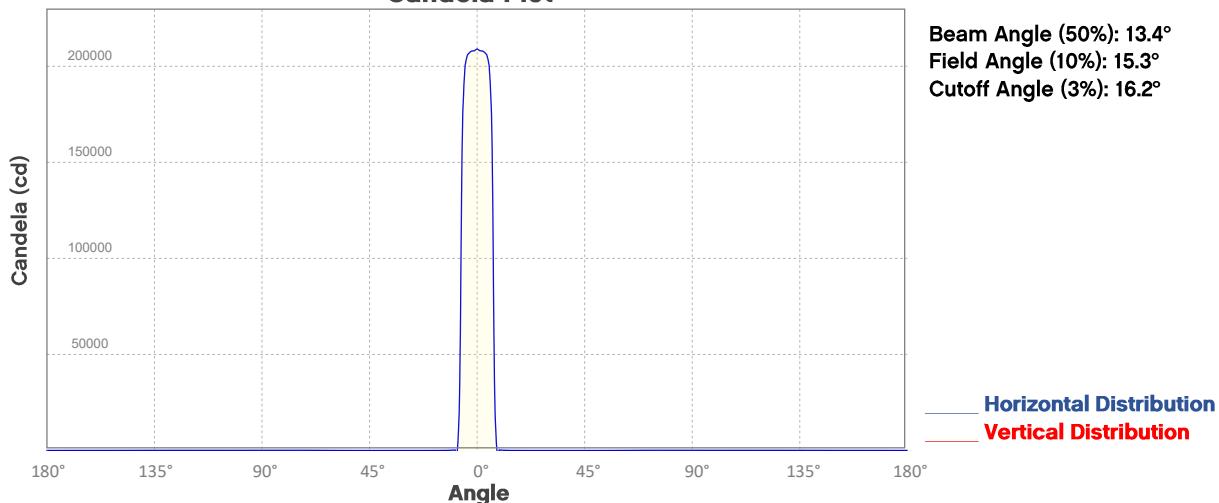


Beam Illuminances from 1-20m (3.3-65.6ft)

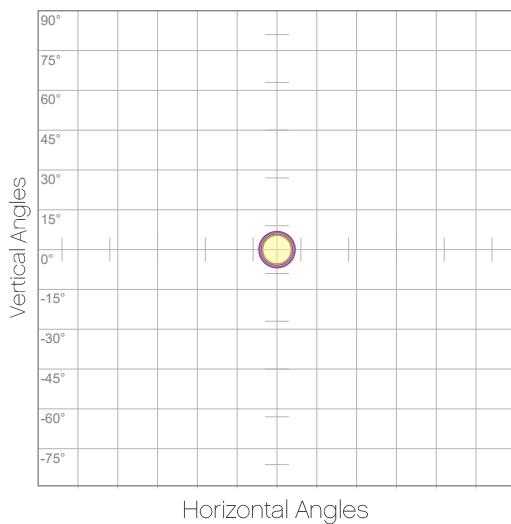
| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux | 208851 | 52213 | 23206 | 13053 | 8354 | 5801 | 4262 | 3263 | 2578 | 2089 |
| Distance | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
| Lux | 1726 | 1450 | 1236 | 1066 | 928 | 816 | 723 | 645 | 579 | 522 |
| Distance | 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft |
| FC | 19403 | 4851 | 2156 | 1213 | 776 | 539 | 396 | 303 | 240 | 194 |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC | 160 | 135 | 115 | 99 | 86 | 76 | 67 | 60 | 54 | 49 |

Photometric Report

Maverick Force S Profile: 50% Zoom - CRI Filter - Full Power
Candela Plot



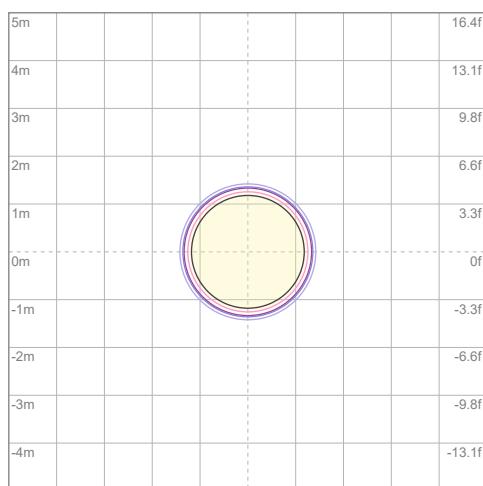
Polar Diagrams



iso-candela Diagram

| | |
|-----|-----------|
| 10% | 20885 cd |
| 20% | 41770 cd |
| 30% | 62655 cd |
| 40% | 83540 cd |
| 50% | 104426 cd |
| 60% | 125311 cd |
| 70% | 146196 cd |
| 80% | 167081 cd |
| 90% | 187966 cd |

Conditions:
Number of c-planes: 2
Candela at center: 208851 cd



iso-illuminance Diagram

| | |
|-----|---------|
| 3% | 62.7 lx |
| 5% | 104 lx |
| 10% | 209 lx |
| 30% | 627 lx |
| 50% | 1044 lx |

Conditions:
Number of c-planes: 2
Lux at center: 2089 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Force S Profile: 50% Zoom - CTB Filter - Full Power

Report Summary

Output

Total Lumens: 10670 lm
Peak Intensity: 231207 cd
Illuminance @ 5m: 9248 lux
Fixture Efficacy: 13 lm/W

Optical

Horizontal Beam Angle (50%): 13.3°
Vertical Beam Angle (50%): 13.3°
Horizontal Field Angle (10%): 15.4°
Vertical Field Angle (10%): 15.4°
Horizontal Cutoff Angle (3%): 16.1°
Vertical Cutoff Angle (3%): 16.1°

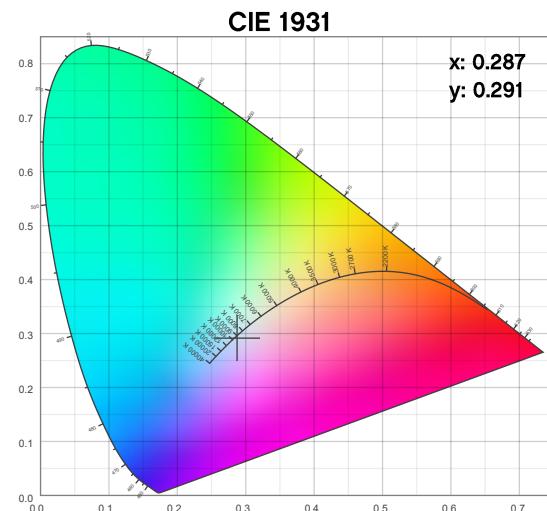
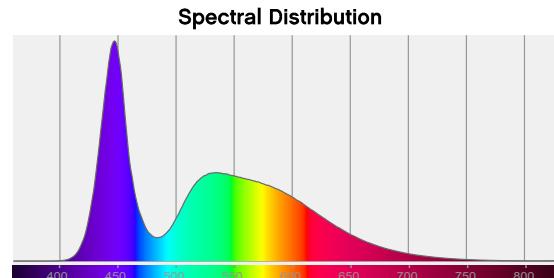
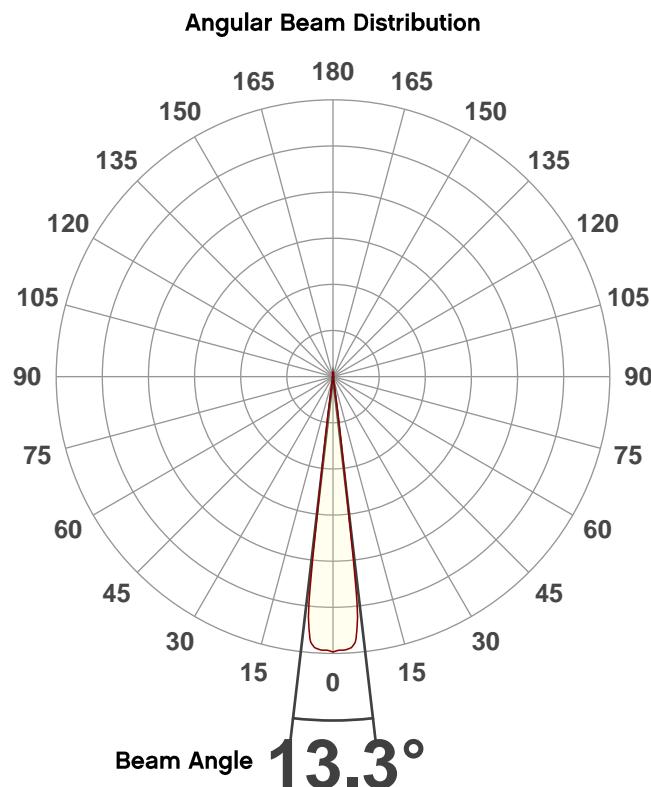
Conditions

AC Supply: 116 V, 60.1 Hz
Power: 822.17 W
Current: 7.07 A
Power Factor: 1.0



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 Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

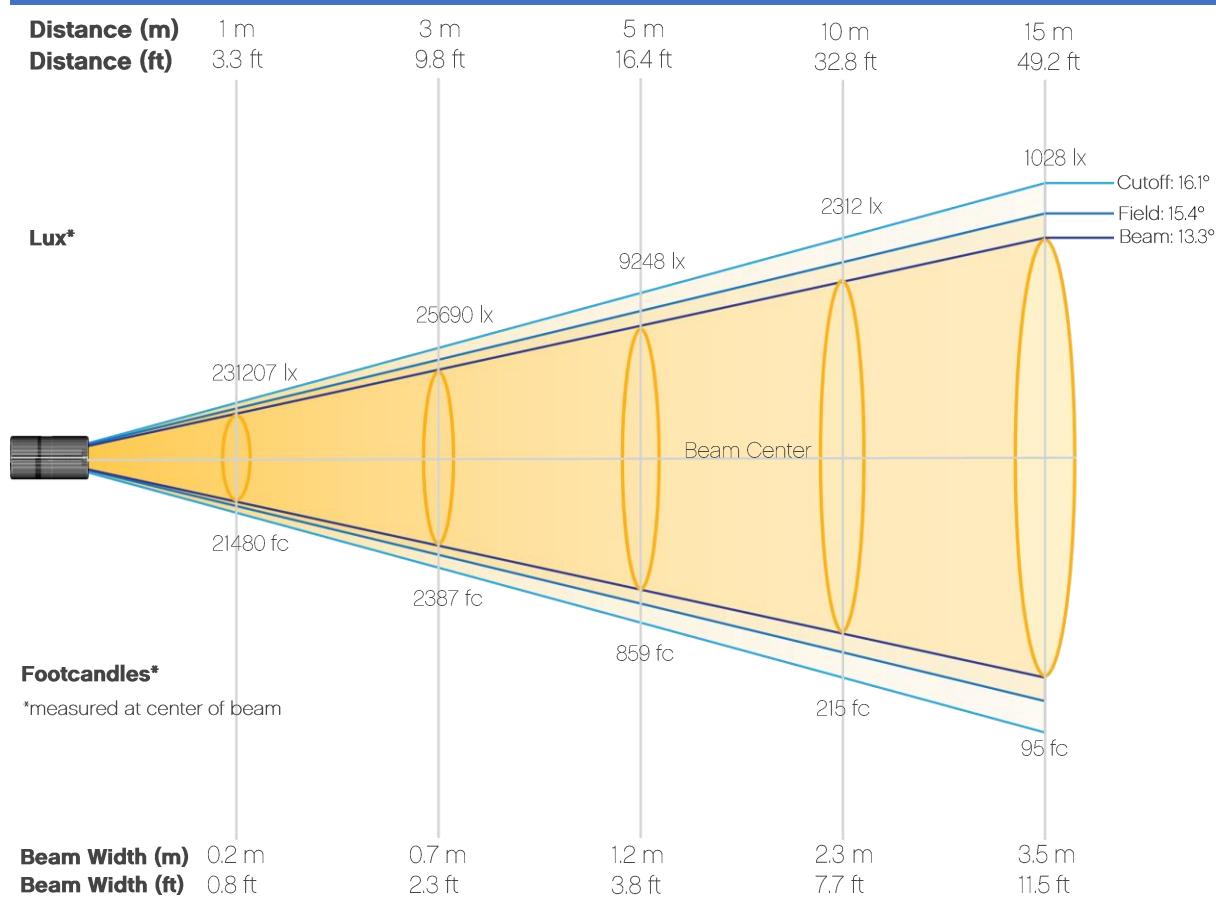
Overall Measurement



Photometric Report

Maverick Force S Profile: 50% Zoom - CTB Filter - Full Power

Beam Details

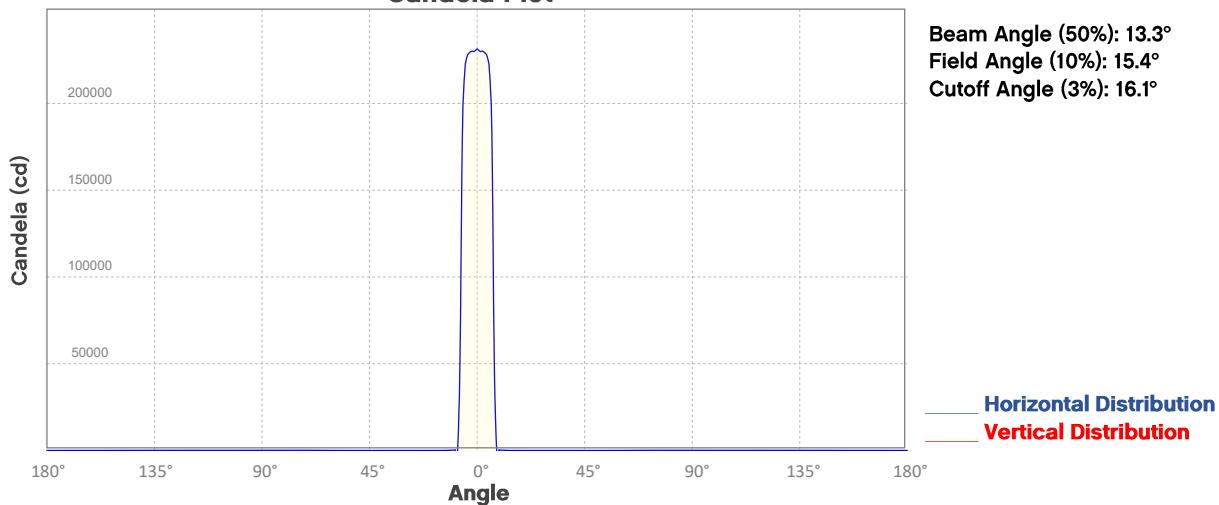


Beam Illuminances from 1-20m (3.3-65.6ft)

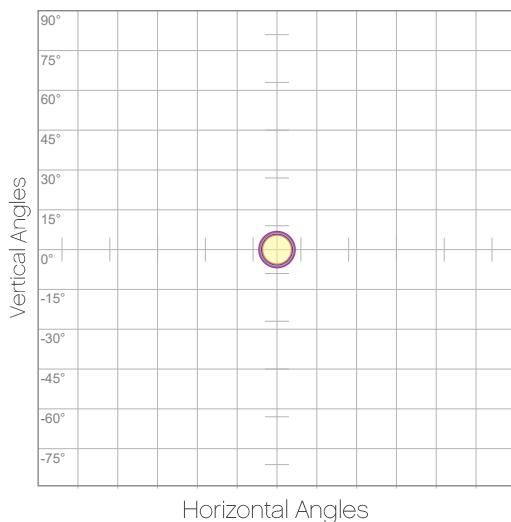
| Distance | 1m | 2m | 3m | 4m | 5m | 6m | 7m | 8m | 9m | 10m |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Lux | 231207 | 57802 | 25690 | 14450 | 9248 | 6422 | 4719 | 3613 | 2854 | 2312 |
| Distance | 11m | 12m | 13m | 14m | 15m | 16m | 17m | 18m | 19m | 20m |
| Lux | 1911 | 1606 | 1368 | 1180 | 1028 | 903 | 800 | 714 | 640 | 578 |
| Distance | 3.3ft | 6.6ft | 9.8ft | 13.1ft | 16.4ft | 19.7ft | 23ft | 26.2ft | 29.5ft | 32.8ft |
| FC | 21480 | 5370 | 2387 | 1342 | 859 | 597 | 438 | 336 | 265 | 215 |
| Distance | 36.1ft | 39.4ft | 42.7ft | 45.9ft | 49.2ft | 52.5ft | 55.8ft | 59.1ft | 62.3ft | 65.6ft |
| FC | 178 | 149 | 127 | 110 | 95 | 84 | 74 | 66 | 60 | 54 |

Photometric Report

Maverick Force S Profile: 50% Zoom - CTB Filter - Full Power
Candela Plot



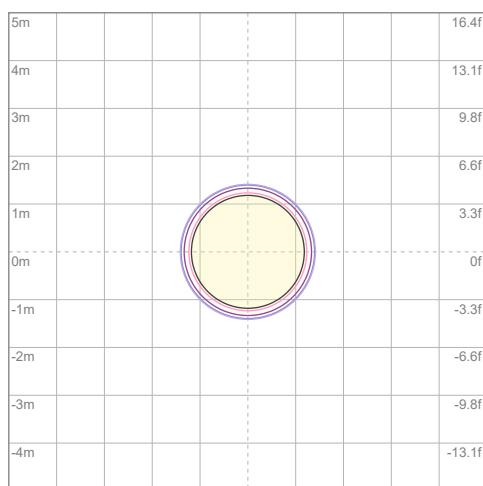
Polar Diagrams



iso-candela Diagram

| | |
|-----|-----------|
| 10% | 23121 cd |
| 20% | 46241 cd |
| 30% | 69362 cd |
| 40% | 92483 cd |
| 50% | 115603 cd |
| 60% | 138724 cd |
| 70% | 161845 cd |
| 80% | 184965 cd |
| 90% | 208086 cd |

Conditions:
Number of c-planes: 2
Candela at center: 231207 cd



iso-illuminance Diagram

| | |
|-----|---------|
| 3% | 69.4 lx |
| 5% | 116 lx |
| 10% | 231 lx |
| 30% | 694 lx |
| 50% | 1156 lx |

Conditions:
Number of c-planes: 2
Lux at center: 2312 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Chromaticity Report

Maverick Force S Profile: Full Flood - Full Power

Report Summary

Measurements

Total Lumens: 14669 lm

Peak Intensity: 46009 cd

Fixture Efficacy: 18 lm/W

Correlated Color Temperature: 7025K

Δu_v : 0.0017

CRI: 69.3 CRI R9 Value: -37.0

CQS: 68.7

TLCI: 47

TM-30-18 Rf: 67.0

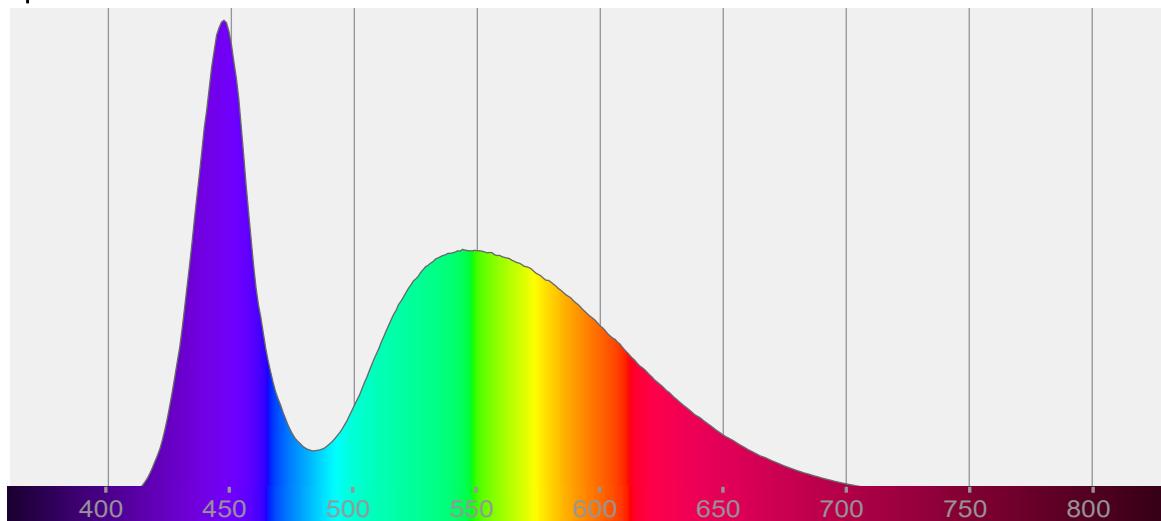
TM-30-18 Rg: 93.1

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 544 nm



Spectral Distribution



Tested Color

7025 K

CIE 1931 Coordinates:

X: 0.305 Y: 0.324

Color Temperature

7025 K

Light Quality

CRI: 69.3

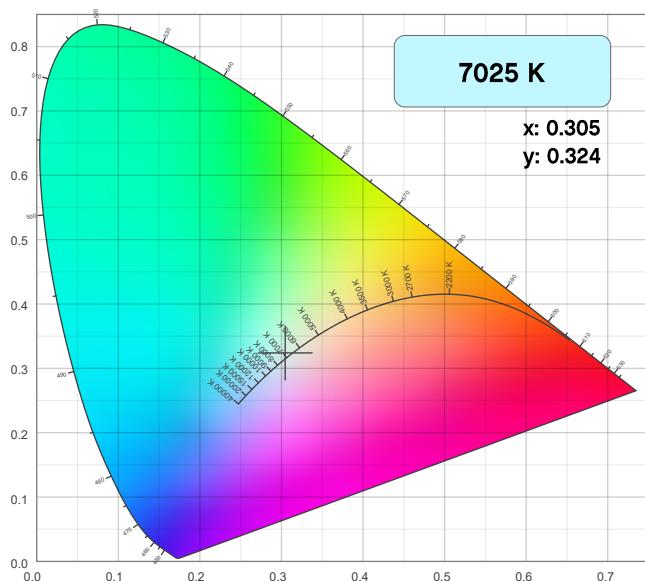
Notes:

Chromaticity Report

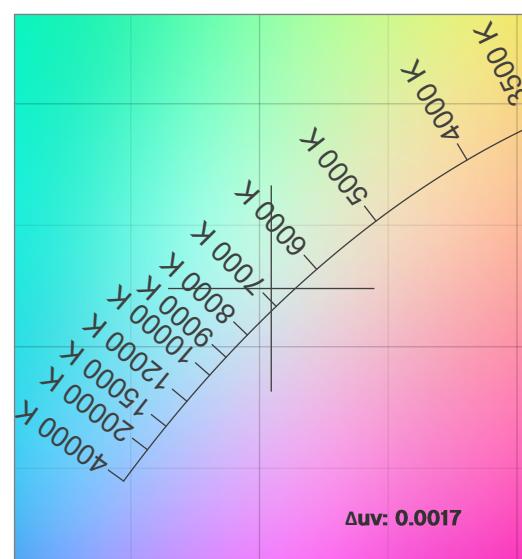
Maverick Force S Profile: Full Flood - Full Power

Chromaticity

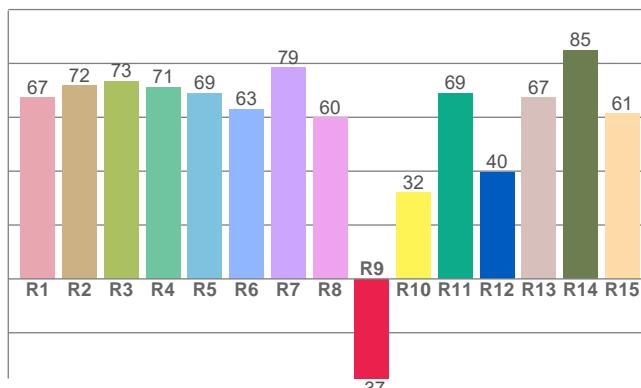
CIE 1931



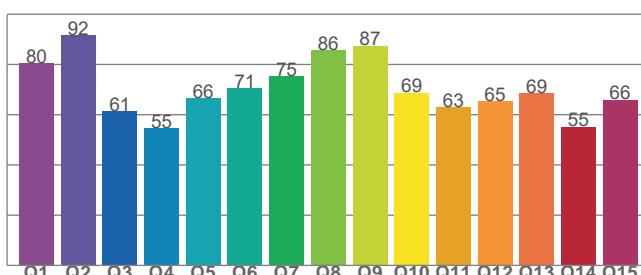
CIE 1931 - Zoom



CRI: 69.3 (R1-R8)



CQS: 68.7



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT | x | y |
| 7025 K | 0.305 | 0.324 |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv | y | u |
| 0.0017 | 0.324 | 0.194 |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI | CRI - R9 | CQS |
| 69.3 | -37.0 | 68.7 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI | TM-30-18 - Rf | TM-30-18 Rg |
| 47 | 67.0 | 93.1 |

Chromaticity Report

Maverick Force S Profile: Full Flood - Full Power

TM-30-18 Details

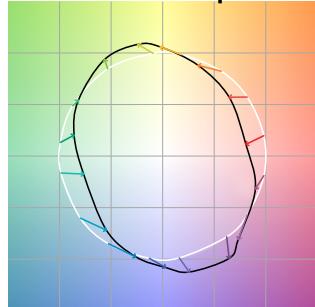
Rf 67.0

Fidelity Index
(Rg)

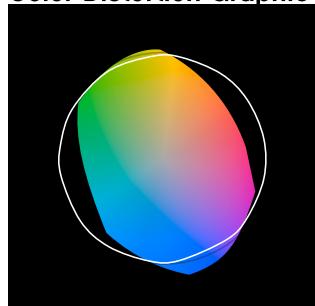
Rg 93.1

Gamut Index (Rg)

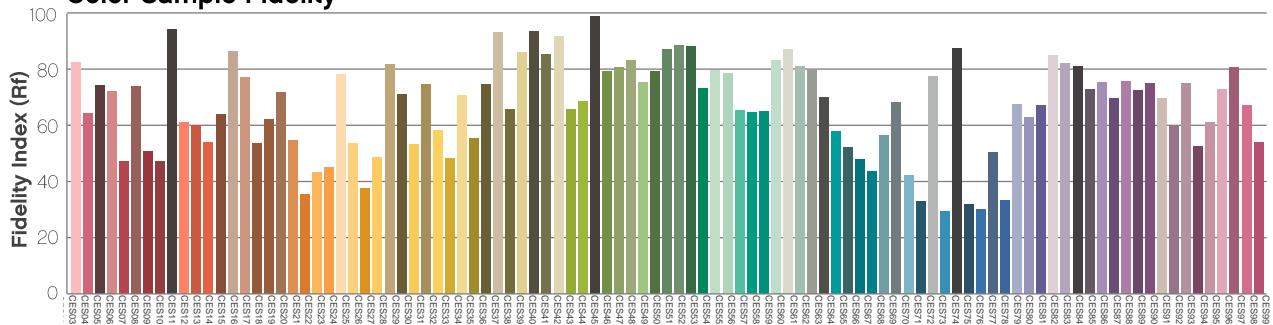
Color Vector Graphic



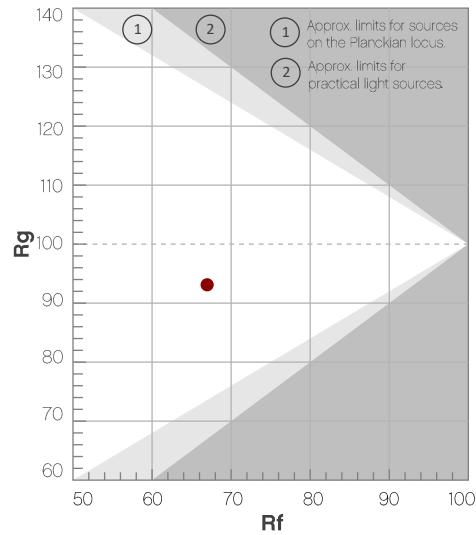
Color Distortion Graphic



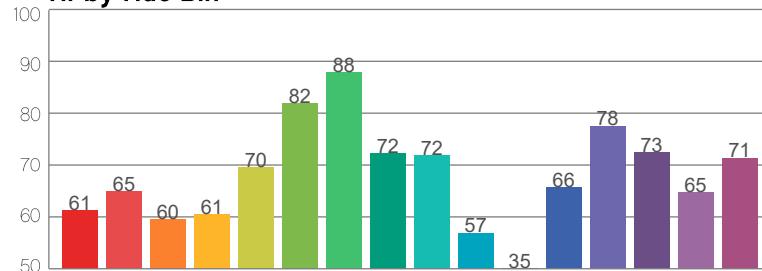
Color Sample Fidelity



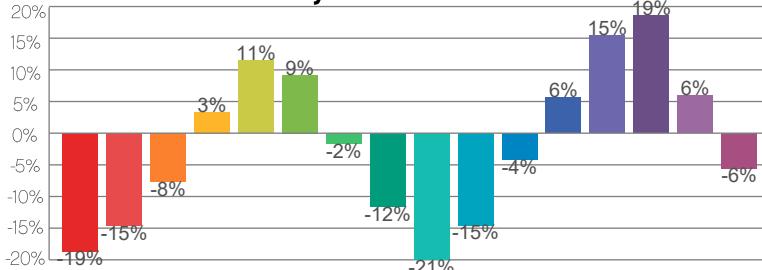
| Hue Bin | R _f | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1 | 61 | -19% | -5% |
| 2 | 65 | -15% | 10% |
| 3 | 60 | -8% | 22% |
| 4 | 61 | 3% | 22% |
| 5 | 70 | 11% | 13% |
| 6 | 82 | 9% | -2% |
| 7 | 88 | -2% | -7% |
| 8 | 72 | -12% | -10% |
| 9 | 72 | -21% | 5% |
| 10 | 57 | -15% | 24% |
| 11 | 35 | -4% | 29% |
| 12 | 66 | 6% | 17% |
| 13 | 78 | 15% | 7% |
| 14 | 73 | 19% | -10% |
| 15 | 65 | 6% | -24% |
| 16 | 71 | -6% | -14% |



Rf by Hue Bin



Local Chroma Shift by Hue Bin



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All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

Maverick Force S Profile: Full Spot - Focus Correction Off - Full Power

Report Summary

Measurements

Total Lumens: 8014 lm
Peak Intensity: 1492293 cd
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 6985K
 Δu_v : 0.0020

CRI: 68.8 CRI R9 Value: -38.5

CQS: 68.5

TLCI: 46

TM-30-18 Rf: 66.6

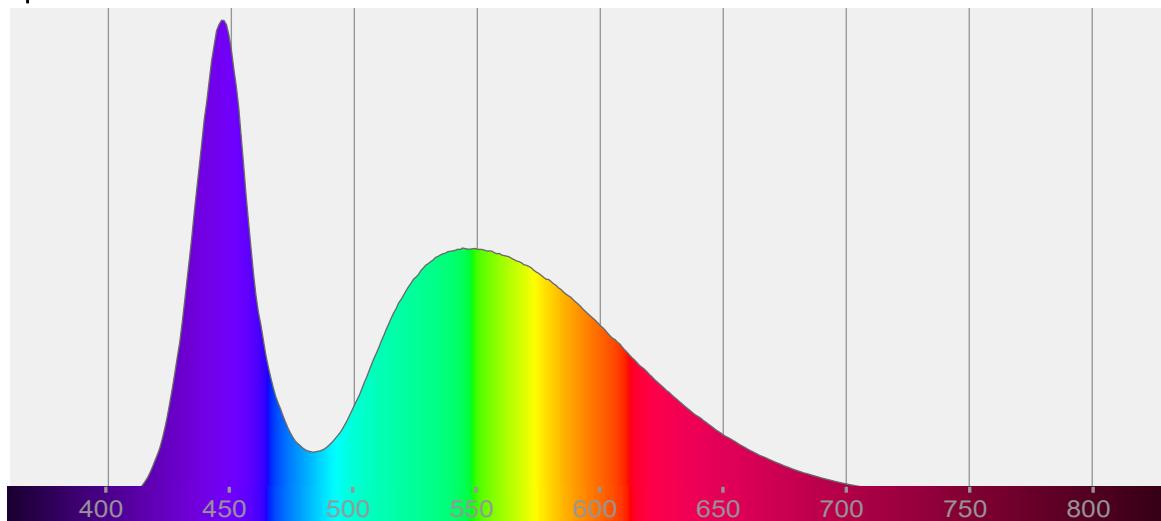
TM-30-18 Rg: 93.1

1st Dominant Wavelength: 446 nm

2nd Dominant Wavelength: 544 nm



Spectral Distribution



Tested Color

6985 K

CIE 1931 Coordinates:
X: 0.305 Y: 0.325

Color Temperature

6985 K

Light Quality

CRI: 68.8

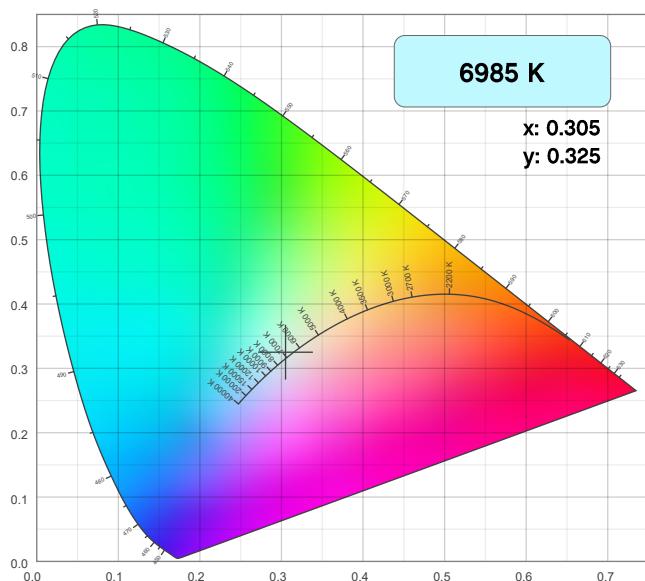
Notes:

Chromaticity Report

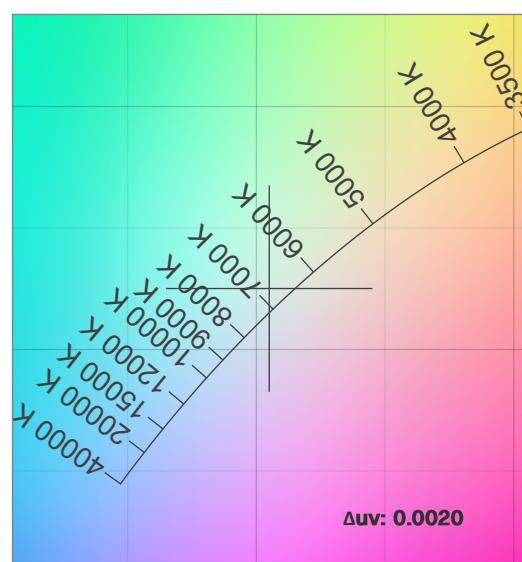
Maverick Force S Profile: Full Spot - Focus Correction Off - Full Power

Chromaticity

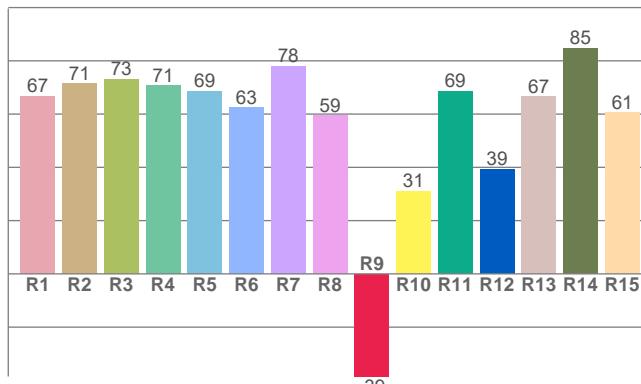
CIE 1931



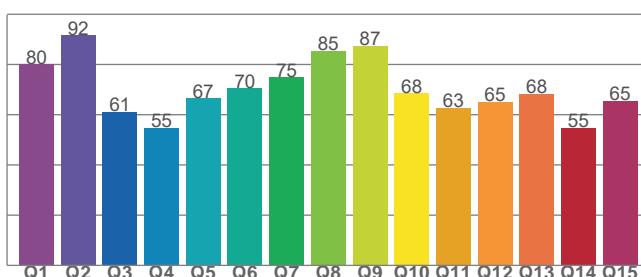
CIE 1931 - Zoom



CRI: 68.8 (R1-R8)



CQS: 68.5



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT | x | y |
| 6985 K | 0.305 | 0.325 |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv | y | u |
| 0.0020 | 0.325 | 0.194 |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI | CRI - R9 | CQS |
| 68.8 | -38.5 | 68.5 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI | TM-30-18 - Rf | TM-30-18 Rg |
| 46 | 66.6 | 93.1 |

Chromaticity Report

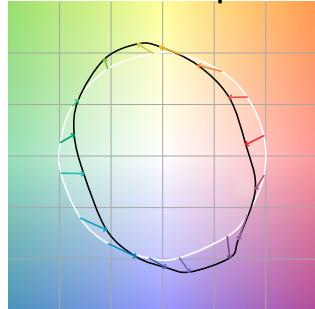
Maverick Force S Profile: Full Spot - Focus Correction Off - Full Power

TM-30-18 Details

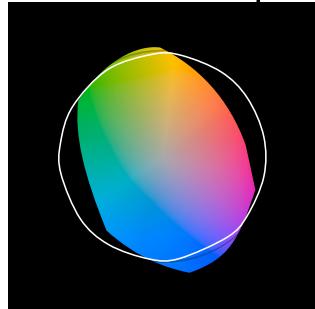
Rf 66.6
Fidelity Index
(Rg)

Rg 93.1
Gamut Index (Rg)

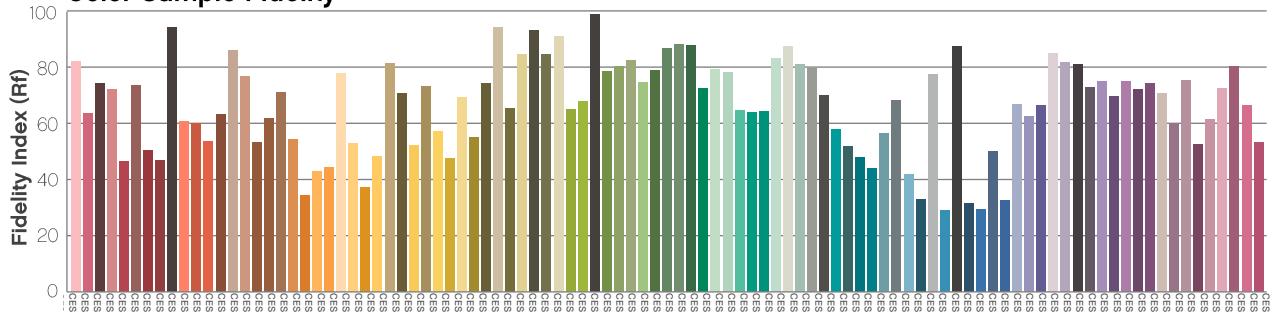
Color Vector Graphic



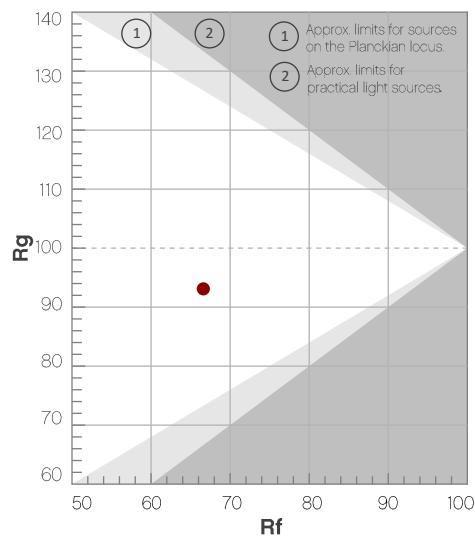
Color Distortion Graphic



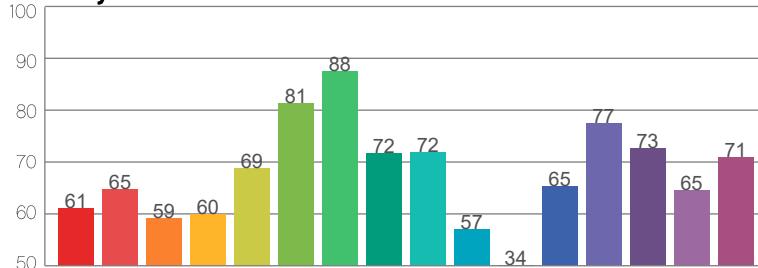
Color Sample Fidelity



| Hue Bin | R _f | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1 | 61 | -19% | -5% |
| 2 | 65 | -15% | 10% |
| 3 | 59 | -8% | 22% |
| 4 | 60 | 3% | 22% |
| 5 | 69 | 12% | 13% |
| 6 | 81 | 10% | -3% |
| 7 | 88 | -1% | -8% |
| 8 | 72 | -12% | -10% |
| 9 | 72 | -22% | 5% |
| 10 | 57 | -15% | 24% |
| 11 | 34 | -4% | 29% |
| 12 | 65 | 6% | 17% |
| 13 | 77 | 15% | 7% |
| 14 | 73 | 19% | -10% |
| 15 | 65 | 6% | -24% |
| 16 | 71 | -6% | -15% |



Rf by Hue Bin



Local Chroma Shift by Hue Bin



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Chromaticity Report

Maverick Force S Profile: Full Spot - Focus Correction On - Full Power

Report Summary

Measurements

Total Lumens: 8340 lm
Peak Intensity: 1418495 cd
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 6988K
 Δu_v : 0.0019

CRI: 68.9 CRI R9 Value: -38.2

CQS: 68.6

TLCI: 46

TM-30-18 Rf: 66.7

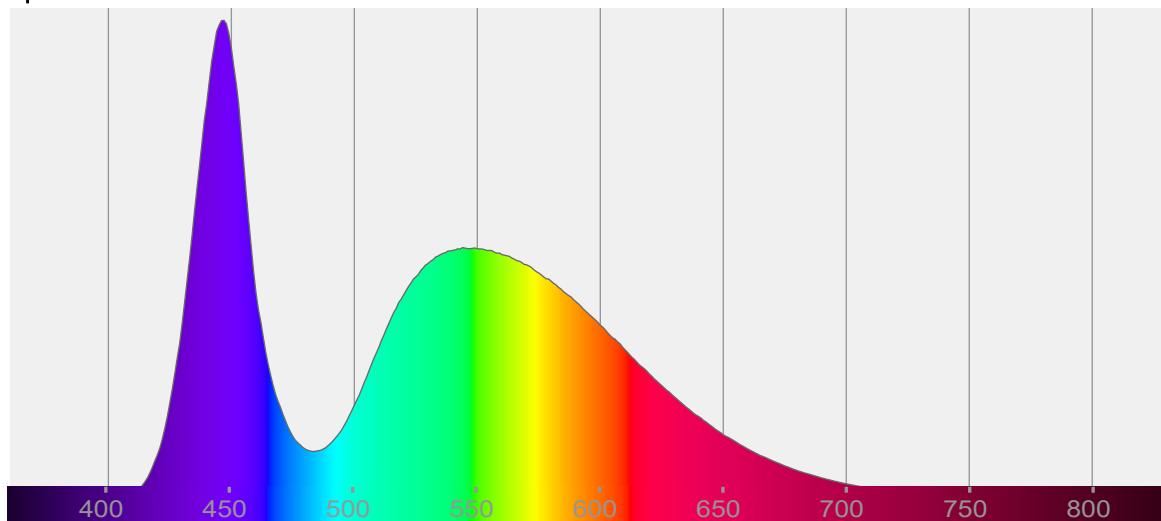
TM-30-18 Rg: 93.1

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 544 nm



Spectral Distribution



Tested Color

6988 K

CIE 1931 Coordinates:
X: 0.305 Y: 0.325

Color Temperature

6988 K

Light Quality

CRI: 68.9

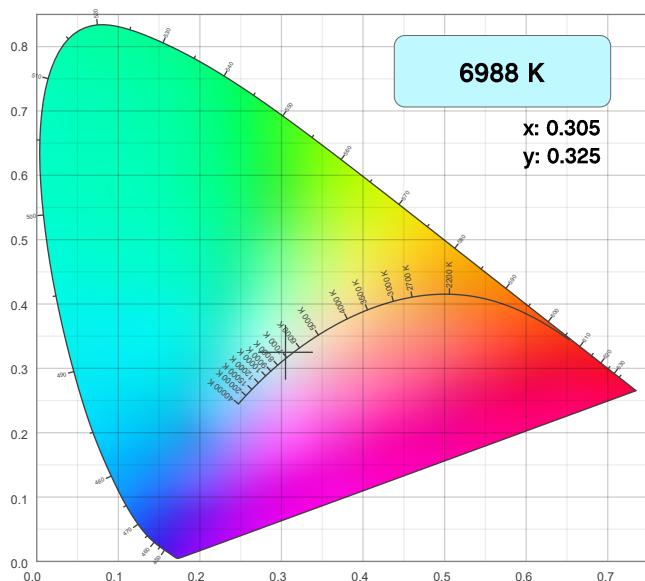
Notes:

Chromaticity Report

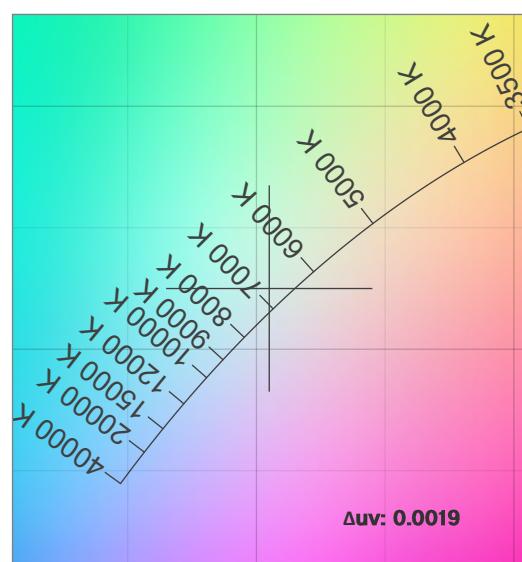
Maverick Force S Profile: Full Spot - Focus Correction On - Full Power

Chromaticity

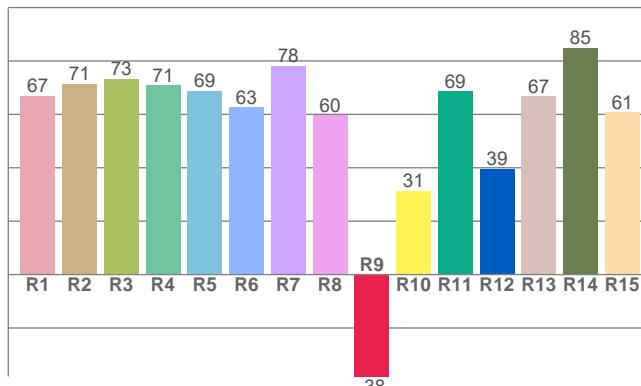
CIE 1931



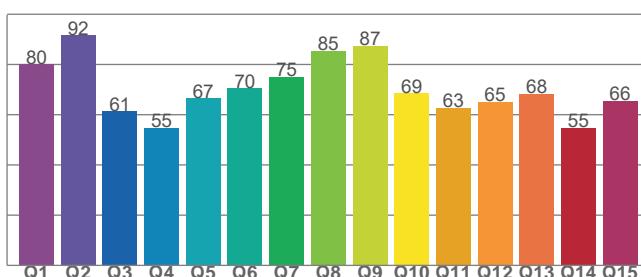
CIE 1931 - Zoom



CRI: 68.9 (R1-R8)



CQS: 68.6



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT | x | y |
| 6988 K | 0.305 | 0.325 |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv | y | u |
| 0.0019 | 0.325 | 0.194 |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI | CRI - R9 | CQS |
| 689 | -38.2 | 68.6 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI | TM-30-18 - Rf | TM-30-18 Rg |
| 46 | 66.7 | 93.1 |

Chromaticity Report

Maverick Force S Profile: Full Spot - Focus Correction On - Full Power

TM-30-18 Details

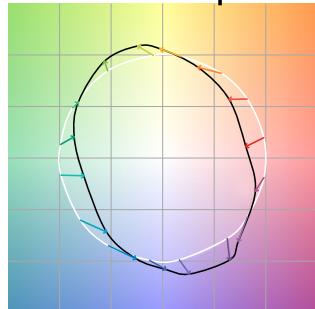
Rf 66.7

Fidelity Index
(Rg)

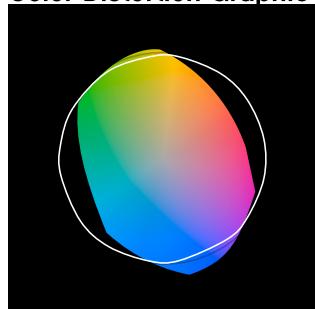
Rg 93.1

Gamut Index (Rg)

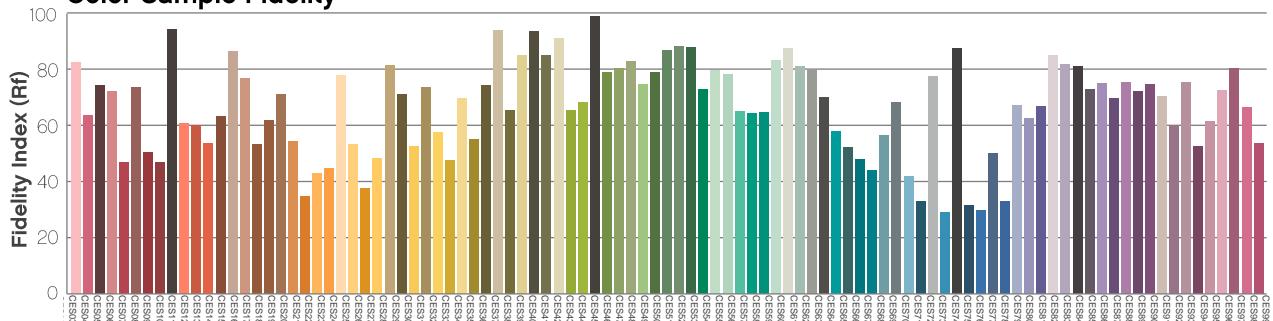
Color Vector Graphic



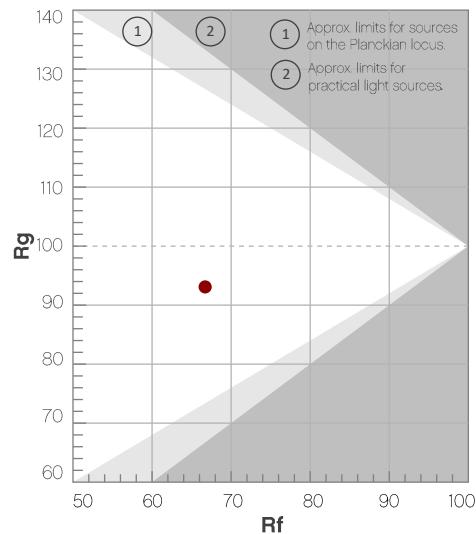
Color Distortion Graphic



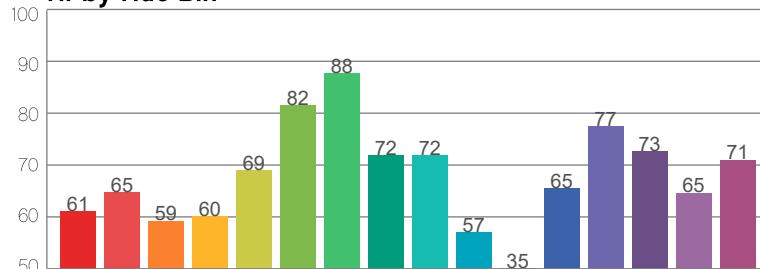
Color Sample Fidelity



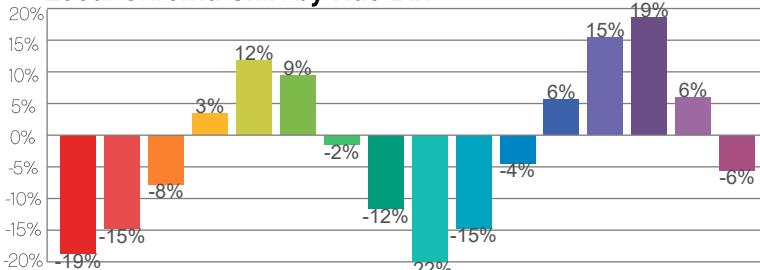
| Hue Bin | <i>R_f</i> | Chroma Shift | Hue Shift |
|---------|----------------------|--------------|-----------|
| 1 | 61 | -19% | -5% |
| 2 | 65 | -15% | 10% |
| 3 | 59 | -8% | 22% |
| 4 | 60 | 3% | 22% |
| 5 | 69 | 12% | 13% |
| 6 | 82 | 9% | -3% |
| 7 | 88 | -2% | -8% |
| 8 | 72 | -12% | -10% |
| 9 | 72 | -22% | 5% |
| 10 | 57 | -15% | 24% |
| 11 | 35 | -4% | 29% |
| 12 | 65 | 6% | 17% |
| 13 | 77 | 15% | 7% |
| 14 | 73 | 19% | -10% |
| 15 | 65 | 6% | -24% |
| 16 | 71 | -6% | -14% |



Rf by Hue Bin



Local Chroma Shift by Hue Bin



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All product specifications, measurements and dimensions are subject to change without notice

Chromaticity Report

Maverick Force S Profile: 50% Zoom - Full Power

Report Summary

Measurements

Total Lumens: 14393 lm

Peak Intensity: 313355 cd

Fixture Efficacy: 17 lm/W

Correlated Color Temperature: 7000K

Δu_v : 0.0018

CRI: 69.0 CRI R9 Value: -37.8

CQS: 68.6

TLCI: 46

TM-30-18 Rf: 66.8

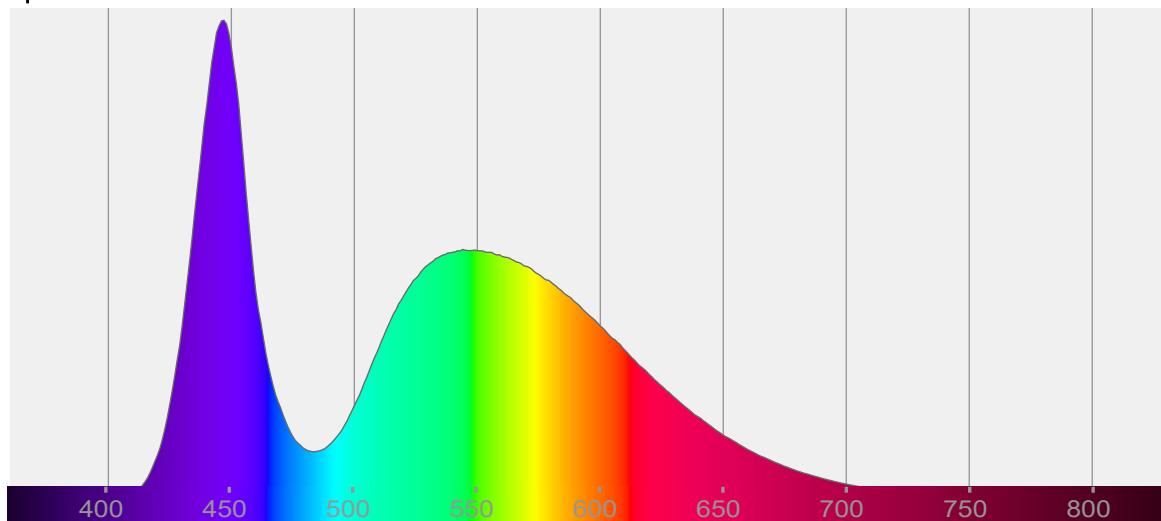
TM-30-18 Rg: 93.1

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 544 nm



Spectral Distribution



Tested Color

7000 K

CIE 1931 Coordinates:

X: 0.305 Y: 0.325

Color Temperature

7000 K

Light Quality

CRI: 69.0

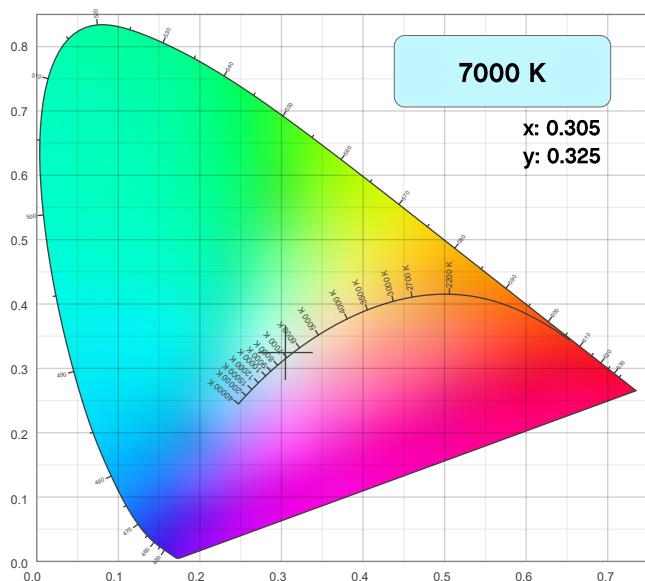
Notes:

Chromaticity Report

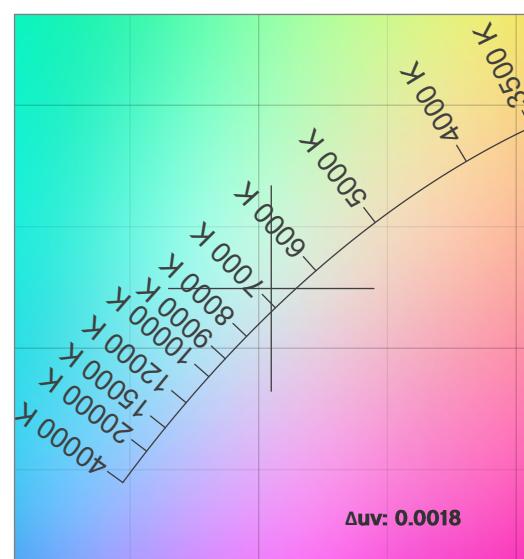
Maverick Force S Profile: 50% Zoom - Full Power

Chromaticity

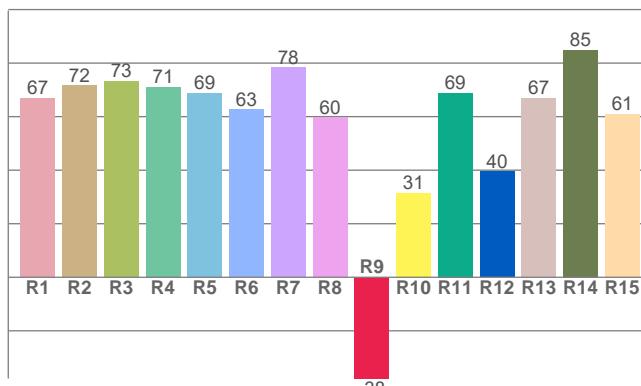
CIE 1931



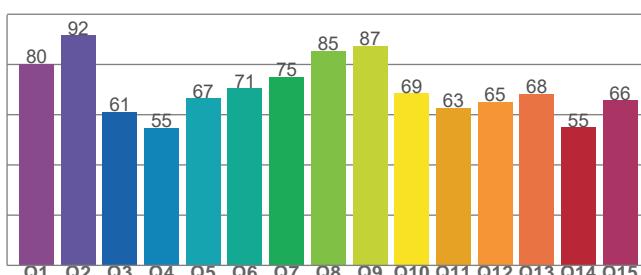
CIE 1931 - Zoom



CRI: 69.0 (R1-R8)



CQS: 68.6



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT | x | y |
| 7000 K | 0.305 | 0.325 |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv | y | u |
| 0.0018 | 0.325 | 0.194 |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI | CRI - R9 | CQS |
| 69.0 | -37.8 | 68.6 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI | TM-30-18 - Rf | TM-30-18 Rg |
| 46 | 66.8 | 93.1 |

Chromaticity Report

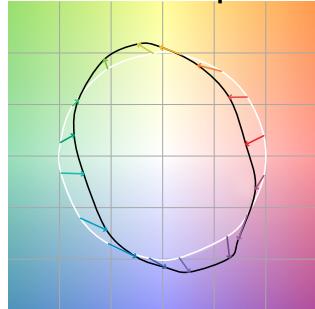
Maverick Force S Profile: 50% Zoom - Full Power

TM-30-18 Details

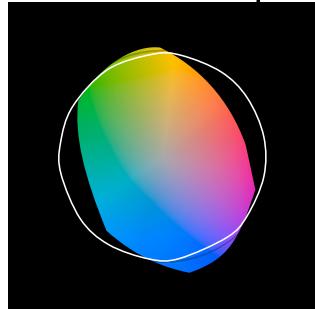
Rf 66.8
Fidelity Index
(Rg)

Rg 93.1
Gamut Index (Rg)

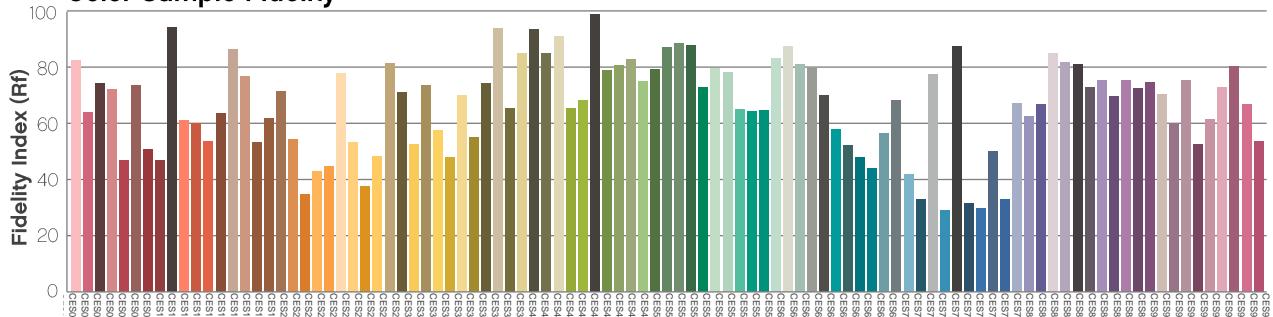
Color Vector Graphic



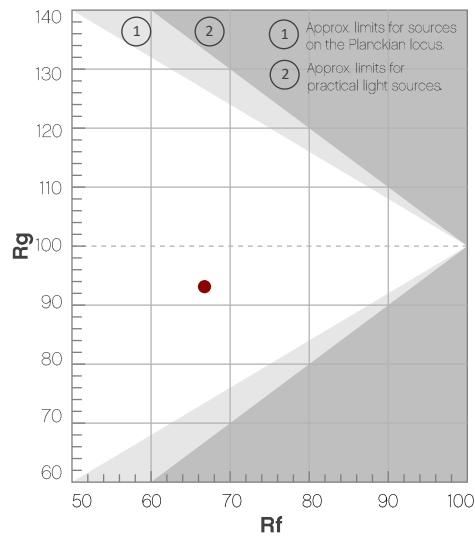
Color Distortion Graphic



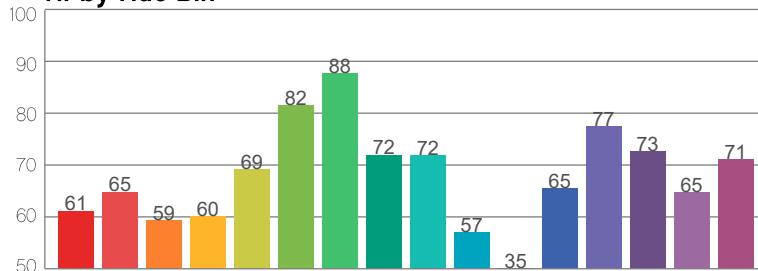
Color Sample Fidelity



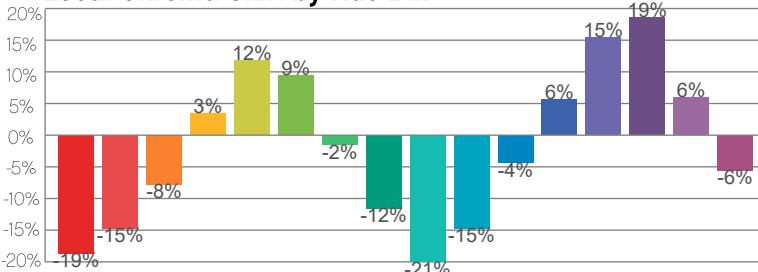
| Hue Bin | <i>R_f</i> | Chroma Shift | Hue Shift |
|---------|----------------------|--------------|-----------|
| 1 | 61 | -19% | -5% |
| 2 | 65 | -15% | 10% |
| 3 | 59 | -8% | 22% |
| 4 | 60 | 3% | 22% |
| 5 | 69 | 12% | 13% |
| 6 | 82 | 9% | -2% |
| 7 | 88 | -2% | -7% |
| 8 | 72 | -12% | -10% |
| 9 | 72 | -21% | 5% |
| 10 | 57 | -15% | 24% |
| 11 | 35 | -4% | 29% |
| 12 | 65 | 6% | 17% |
| 13 | 77 | 15% | 7% |
| 14 | 73 | 19% | -10% |
| 15 | 65 | 6% | -24% |
| 16 | 71 | -6% | -14% |



Rf by Hue Bin



Local Chroma Shift by Hue Bin



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Chromaticity Report

Maverick Force S Profile: 50% Zoom - CRI Filter - Full Power

Report Summary

Measurements

Total Lumens: 9670 lm
Peak Intensity: 208851 cd
Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 6883K
 Δu_v : -0.0058

CRI: 89.6 CRI R9 Value: 55.4

CQS: 89.1

TLCI: 75

TM-30-18 Rf: 85.4

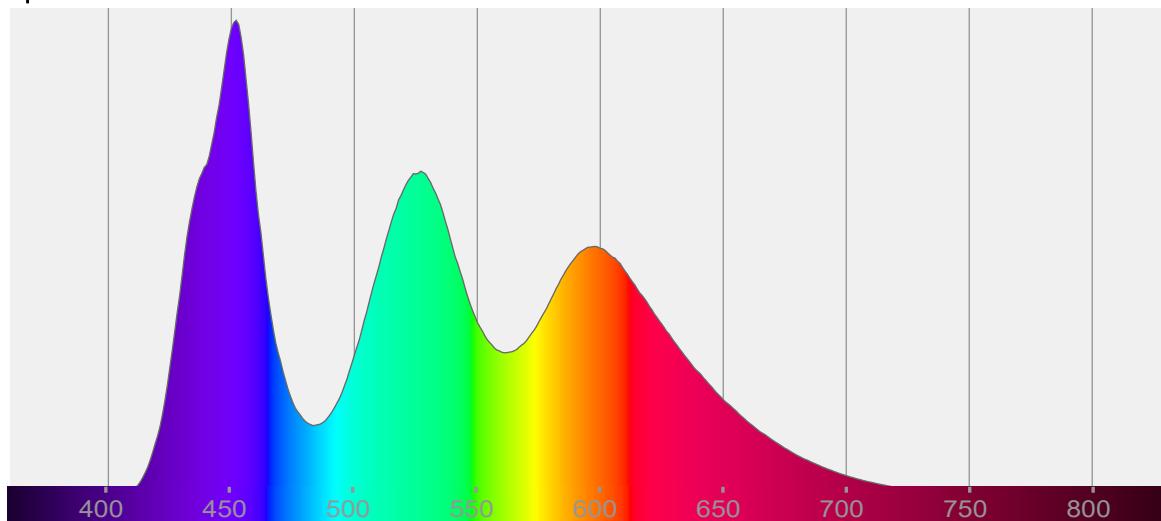
TM-30-18 Rg: 105.7

1st Dominant Wavelength: 452 nm

2nd Dominant Wavelength: 527 nm



Spectral Distribution



Tested Color

6883 K

CIE 1931 Coordinates:
X: 0.309 Y: 0.314

Color Temperature

6883 K

Light Quality

CRI: 89.6

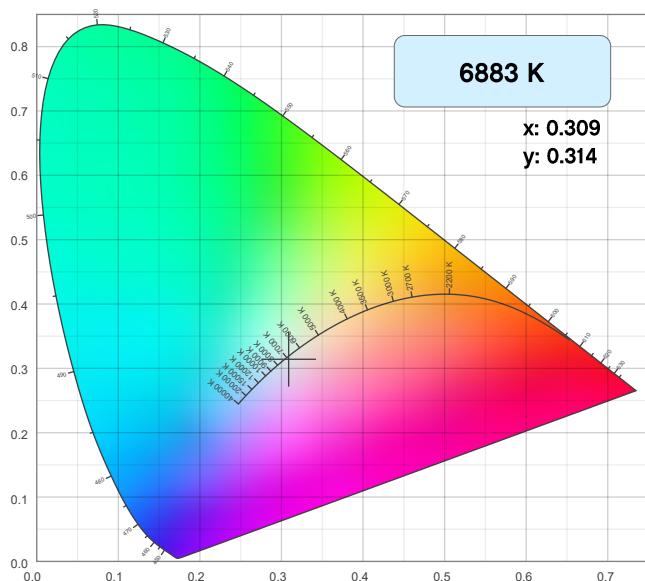
Notes:

Chromaticity Report

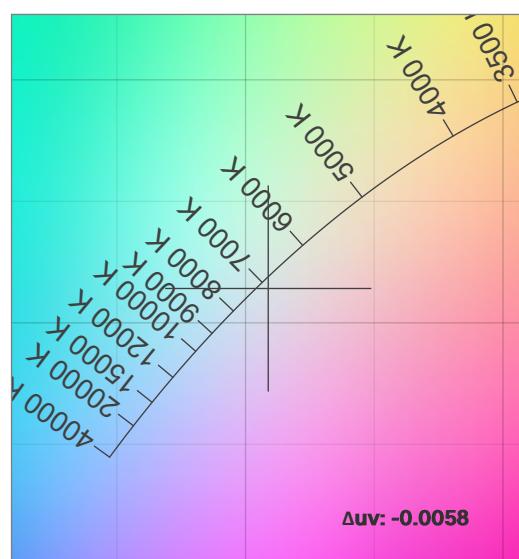
Maverick Force S Profile: 50% Zoom - CRI Filter - Full Power

Chromaticity

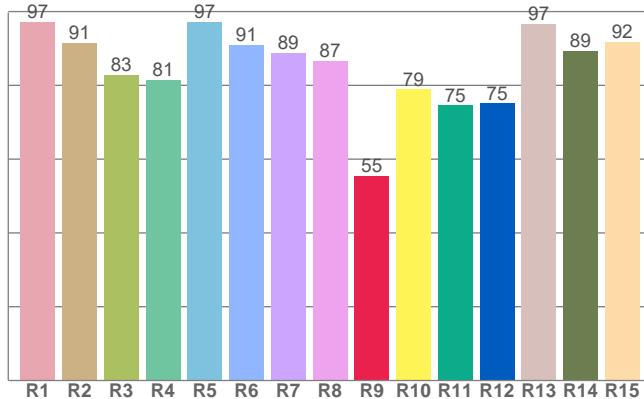
CIE 1931



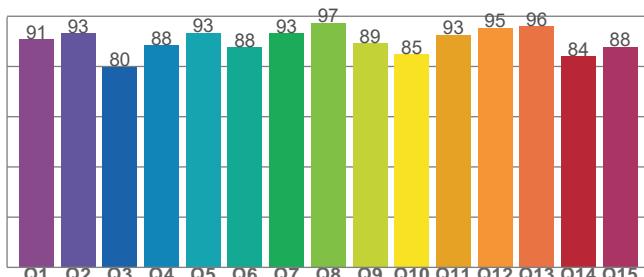
CIE 1931 - Zoom



CRI: 89.6 (R1-R8)



CQS: 89.1



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT | x | y |
| 6883 K | 0.309 | 0.314 |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv | y | u |
| -0.0058 | 0.314 | 0.201 |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI | CRI - R9 | CQS |
| 89.6 | 55.4 | 89.1 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI | TM-30-18 - Rf | TM-30-18 Rg |
| 75 | 85.4 | 105.7 |

Chromaticity Report

Maverick Force S Profile: 50% Zoom - CRI Filter - Full Power

TM-30-18 Details

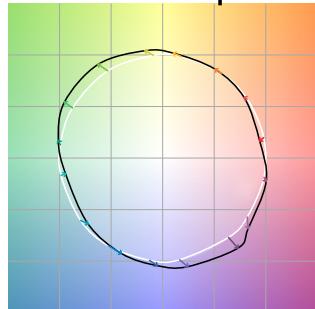
Rf 85.4

Fidelity Index
(Rg)

Rg 105.7

Gamut Index (Rg)

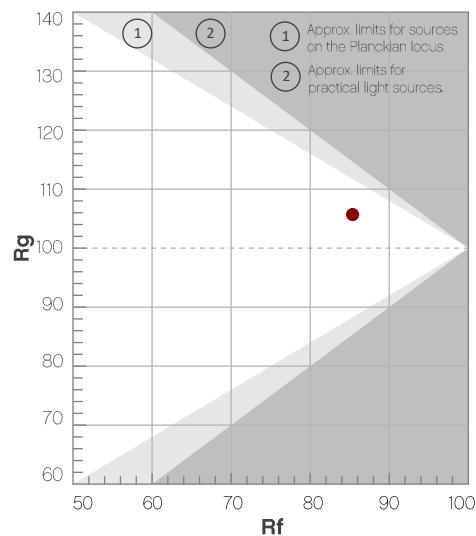
Color Vector Graphic



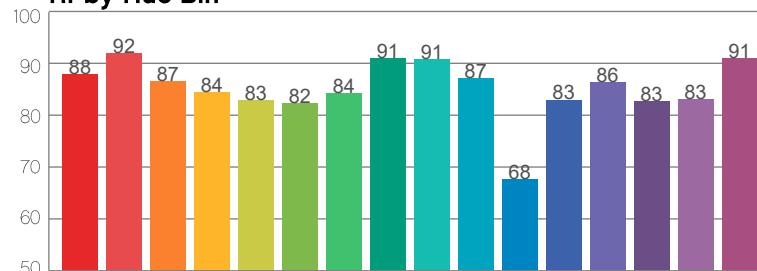
Color Distortion Graphic



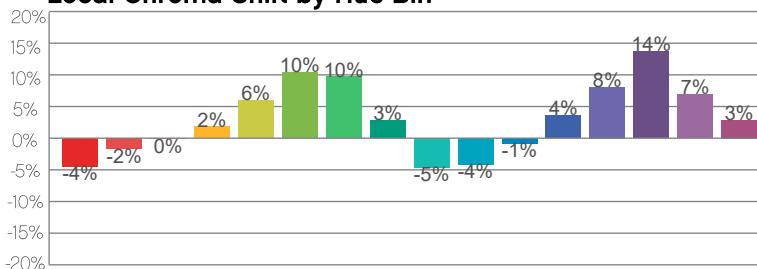
| Hue Bin | R _f | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1 | 88 | -4% | -2% |
| 2 | 92 | -2% | 3% |
| 3 | 87 | 0% | 8% |
| 4 | 84 | 2% | 8% |
| 5 | 83 | 6% | 7% |
| 6 | 82 | 10% | 4% |
| 7 | 84 | 10% | 0% |
| 8 | 91 | 3% | -4% |
| 9 | 91 | -5% | -1% |
| 10 | 87 | -4% | 7% |
| 11 | 68 | -1% | 15% |
| 12 | 83 | 4% | 8% |
| 13 | 86 | 8% | 6% |
| 14 | 83 | 14% | 2% |
| 15 | 83 | 7% | -9% |
| 16 | 91 | 3% | -3% |



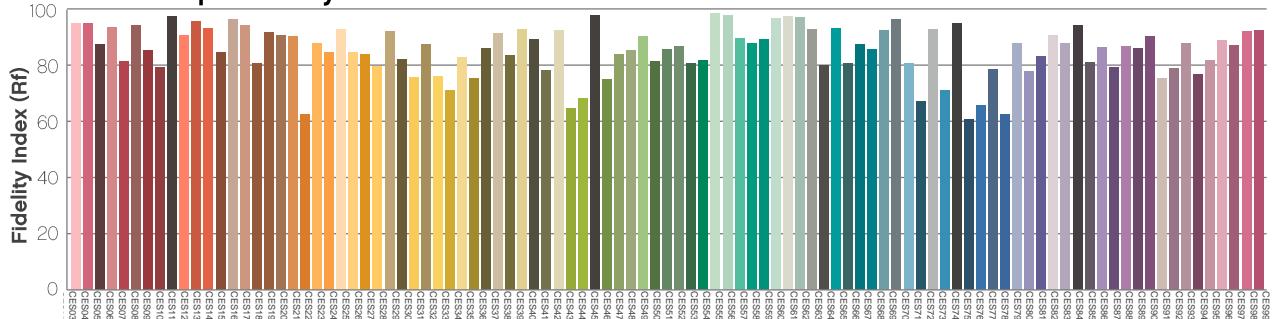
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick Force S Profile: 50% Zoom - CTB Filter - Full Power

Report Summary

Measurements

Total Lumens: 10670 lm

Peak Intensity: 231207 cd

Fixture Efficacy: 13 lm/W

Correlated Color Temperature: 9144K

Δu_v : -0.0055

CRI: 76.3 CRI R9 Value: 7.1

CQS: 73.5

TLCI: 59

TM-30-18 Rf: 71.1

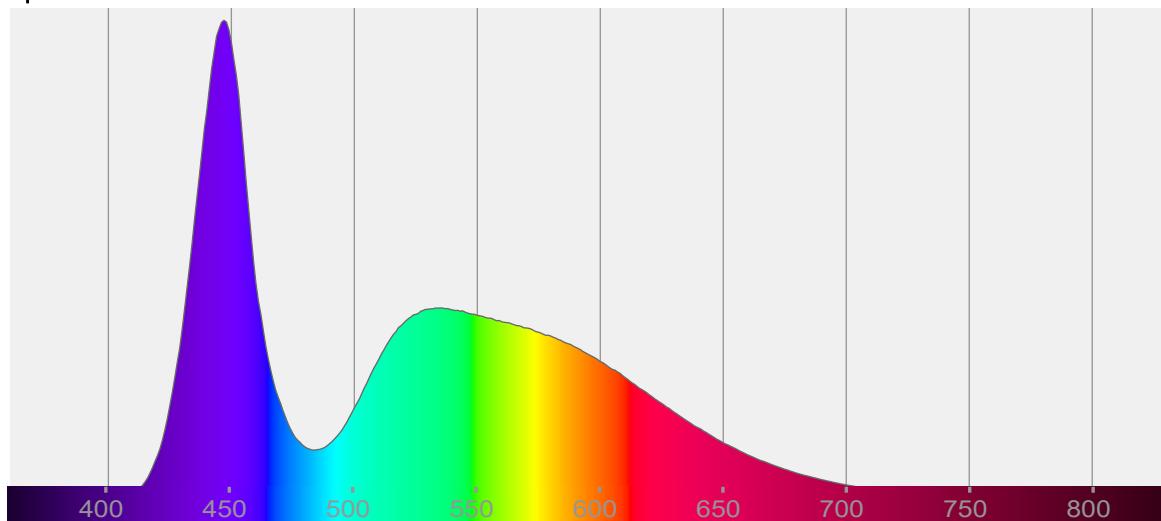
TM-30-18 Rg: 97.6

1st Dominant Wavelength: 447 nm

2nd Dominant Wavelength: 535 nm



Spectral Distribution



Tested Color

9144 K

CIE 1931 Coordinates:

X: 0.287 Y: 0.291

Color Temperature

9144 K

Light Quality

CRI: 76.3

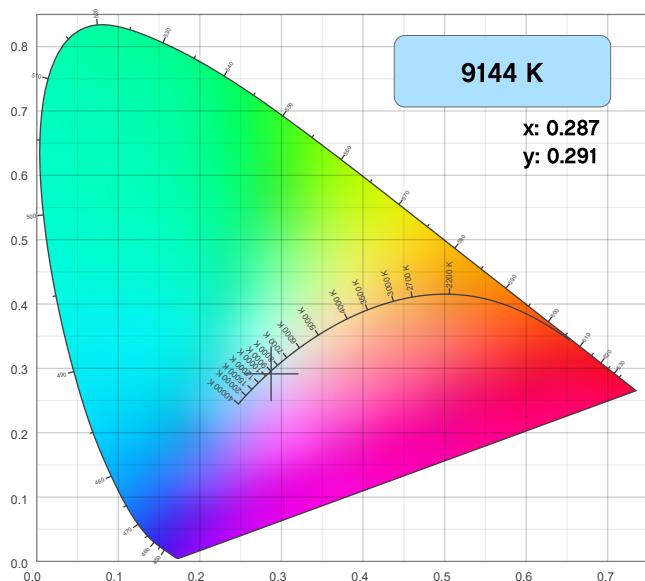
Notes:

Chromaticity Report

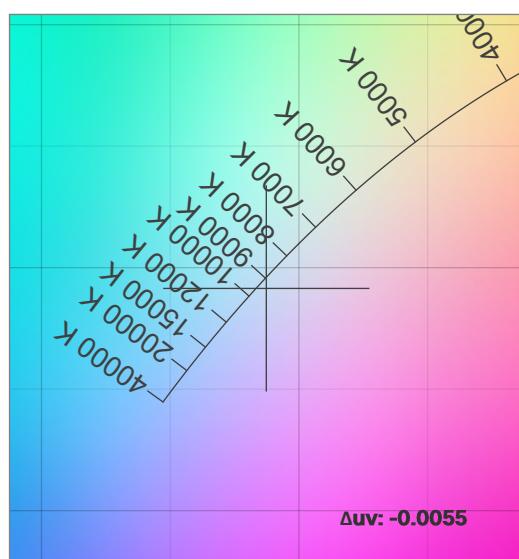
Maverick Force S Profile: 50% Zoom - CTB Filter - Full Power

Chromaticity

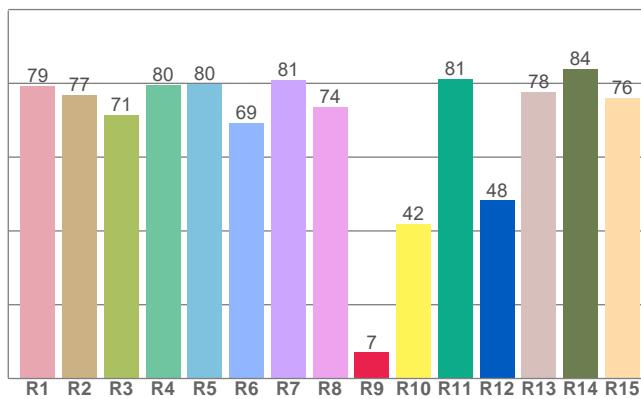
CIE 1931



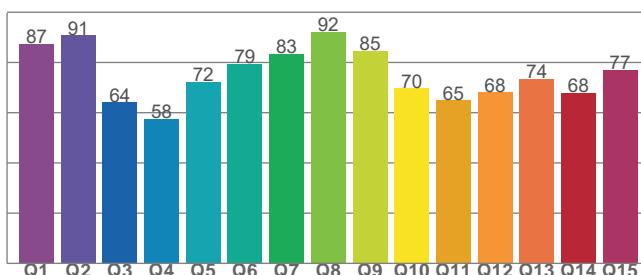
CIE 1931 - Zoom



CRI: 76.3 (R1-R8)



CQS: 73.5



Color Parameters

| Color Temperature | Color Coordinate CIE 1931 | Color Coordinate CIE 1931 |
|-------------------|---------------------------|---------------------------|
| CCT | x | y |
| 9144 K | 0.287 | 0.291 |

| Color Deviation from Black Body Curve | Color Coordinate CIE 1964 | Color Coordinate CIE 1964 |
|---------------------------------------|---------------------------|---------------------------|
| Δuv | y | u |
| -0.0055 | 0.291 | 0.194 |

| Color Rendering Index | Red Component | Color Quality Scale |
|-----------------------|---------------|---------------------|
| CRI | CRI - R9 | CQS |
| 76.3 | 7.1 | 73.5 |

| Television Lighting Consistency Index | Color Fidelity | Color Gamut |
|---------------------------------------|----------------|-------------|
| TLCI | TM-30-18 - Rf | TM-30-18 Rg |
| 59 | 71.1 | 97.6 |

Chromaticity Report

Maverick Force S Profile: 50% Zoom - CTB Filter - Full Power

TM-30-18 Details

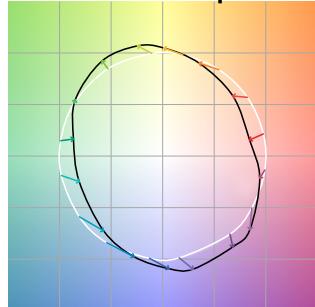
Rf 71.1

Fidelity Index
(Rg)

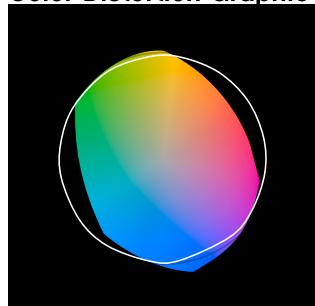
Rg 97.6

Gamut Index (Rg)

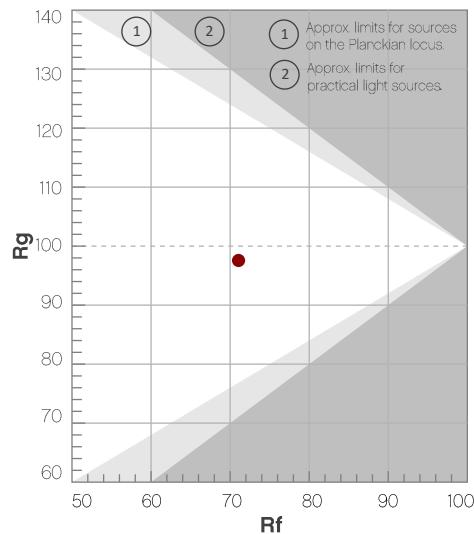
Color Vector Graphic



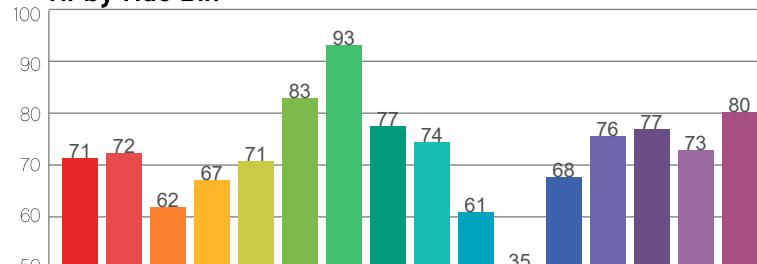
Color Distortion Graphic



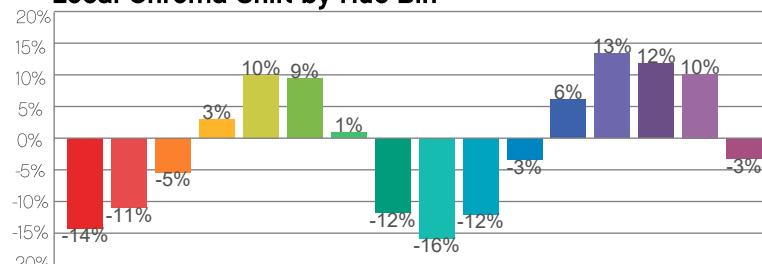
| Hue Bin | R _f | Chroma Shift | Hue Shift |
|---------|----------------|--------------|-----------|
| 1 | 71 | -14% | -3% |
| 2 | 72 | -11% | 9% |
| 3 | 62 | -5% | 19% |
| 4 | 67 | 3% | 20% |
| 5 | 71 | 10% | 12% |
| 6 | 83 | 9% | 0% |
| 7 | 93 | 1% | -4% |
| 8 | 77 | -12% | -4% |
| 9 | 74 | -16% | 9% |
| 10 | 61 | -12% | 24% |
| 11 | 35 | -3% | 29% |
| 12 | 68 | 6% | 20% |
| 13 | 76 | 13% | 11% |
| 14 | 77 | 12% | -5% |
| 15 | 73 | 10% | -19% |
| 16 | 80 | -3% | -9% |



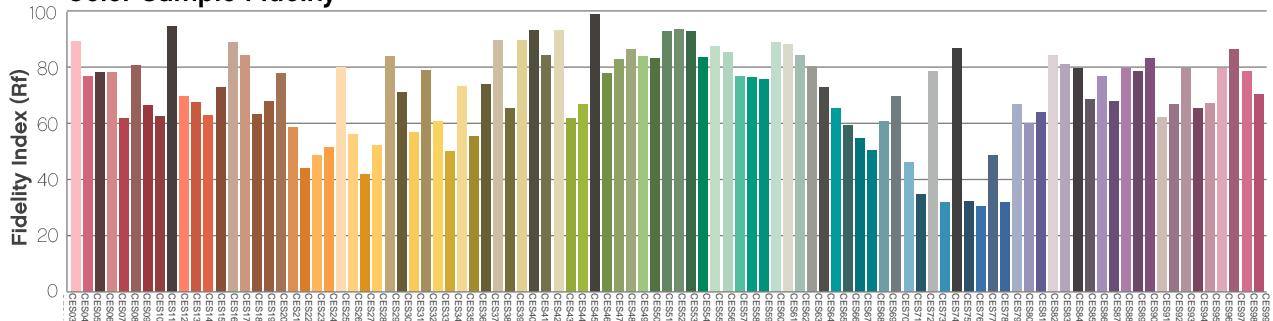
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Contact Us

| General Information | Technical Support |
|--|--|
| Chauvet World Headquarters | |
| 5200 NW 108 th Ave. Sunrise, FL 33351 Voice: (954) 577-4455 Fax: (954) 929-5560 Toll Free: (800) 762-1084 | Voice: (844) 393-7575 Fax: (954) 756-8015 Email: chauvetcs@chauvetlighting.com Website: www.chauvetprofessional.com |
| Chauvet Europe Ltd | |
| Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0) 1773 511115 Fax: +44 (0) 1773 511110 | Email: UKtech@chauvetlighting.eu Website: www.chauvetprofessional.eu |
| Chauvet Europe BVBA | |
| Stokstraat 18 9770 Kruishoutem, Belgium Voice: +32 (9) 388 93 97 | Email: BNLtech@chauvetlighting.eu Website: www.chauvetprofessional.eu |
| Chauvet France | |
| 3, Rue Ampère 91380 Chilly-Mazarin, France Voice: +33 1 78 85 33 59 | Email: FRtech@chauvetlighting.fr Website: www.chauvetprofessional.eu |
| Chauvet Germany | |
| Bruno-Bürgel-Str. 11 28759 Bremen, Germany Voice: +49 421 62 60 20 | Email: DEtech@chauvetlighting.de Website: www.chauvetprofessional.eu |
| Chauvet Mexico | |
| Av. de las Partidas 34 - 3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Edo. de México, CP 52000 Voice: +52 (728) 690-2010 | Email: servicio@chauvetlighting.de Website: www.chauvetprofessional.eu |

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