

PHOTOMETRICS REPORT  
**MAVERICK M3**  
SPOT



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## Testing Process

### Total Illuminance Measurements

Illuminance is measured using the Viso Systems LabSpion<sup>®</sup>, 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<sup>®</sup> 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<sup>®</sup> system every six months as recommended by Viso Systems.

# Photometric Report

Maverick MK3 Spot Full Flood, Full Power

## Report Summary

### Output

Total Lumens: 28023 lm  
Peak Intensity: 47990 cd  
Illuminance @ 5m: 1920 lux  
Fixture Efficacy: 25 lm/W

### Optical

Horizontal Beam Angle (50%): 52.1°  
Vertical Beam Angle (50%): 52.1°  
Horizontal Field Angle (10%): 60.5°  
Vertical Field Angle (10%): 60.5°  
Horizontal Cutoff Angle (3%): 62°  
Vertical Cutoff Angle (3%): 62°

### Conditions

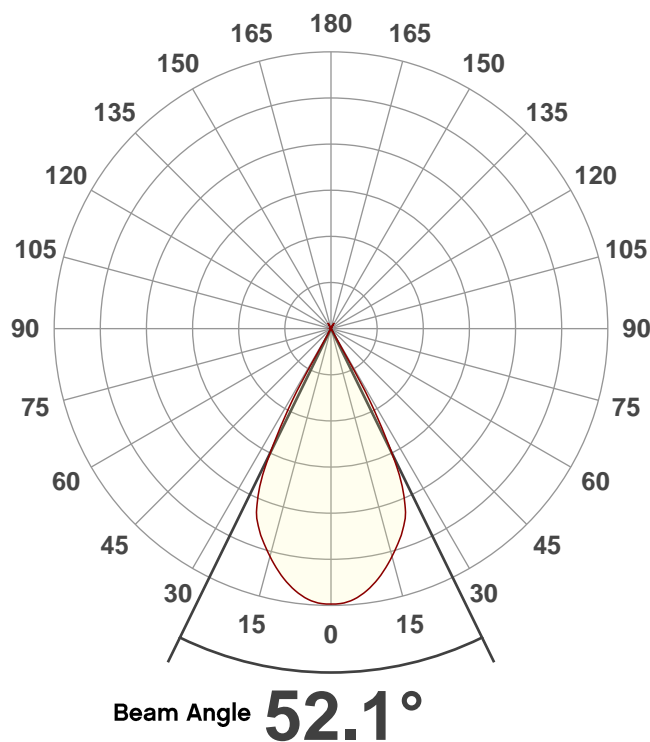
AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0



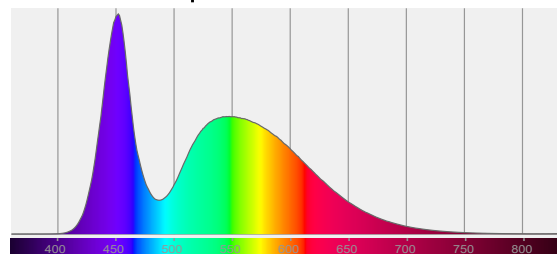
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

## Overall Measurement

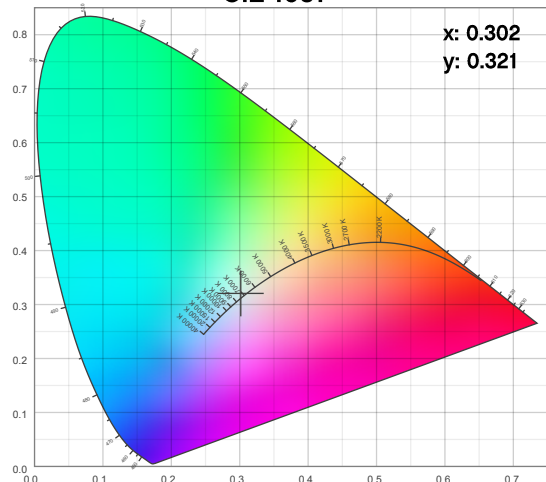
Angular Beam Distribution



Spectral Distribution



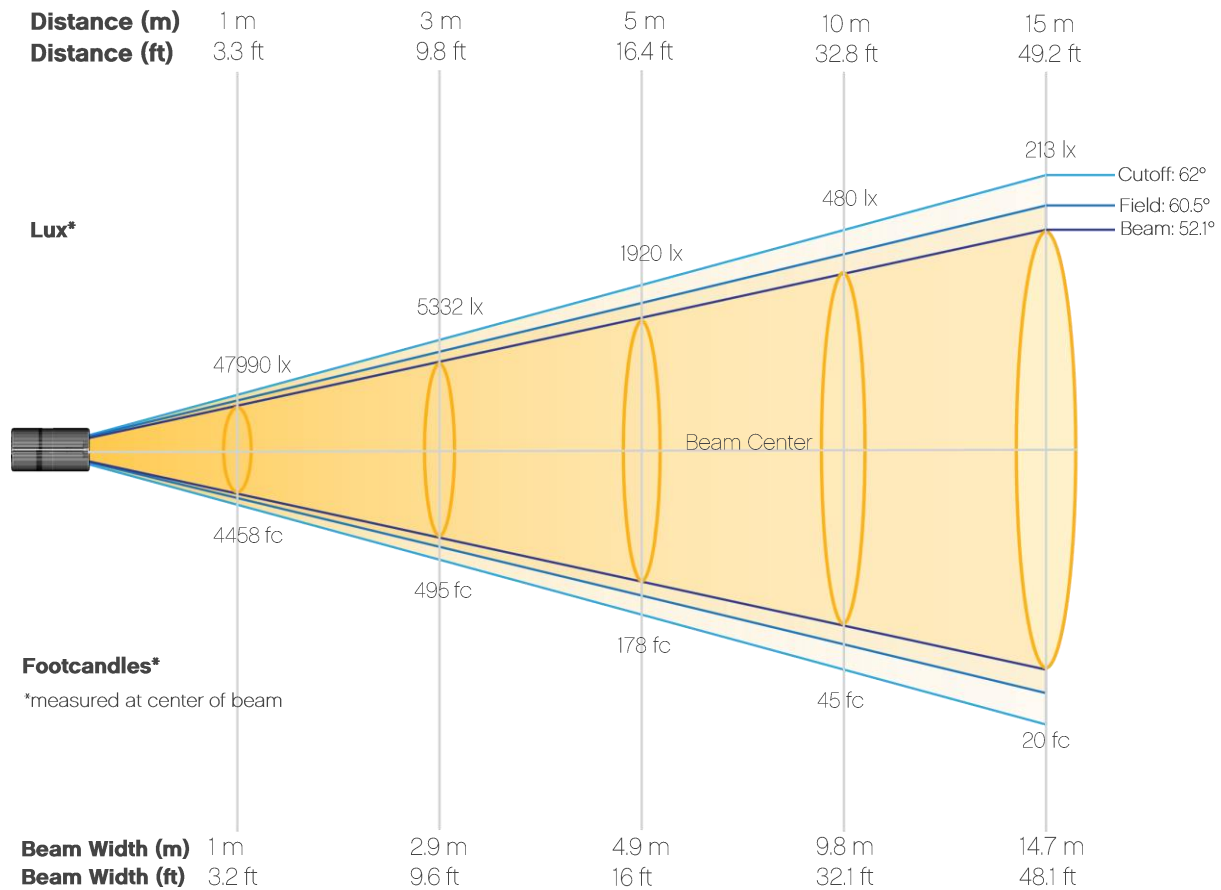
CIE 1931



# Photometric Report

Maverick MK3 Spot Full Flood, Full Power

## Beam Details



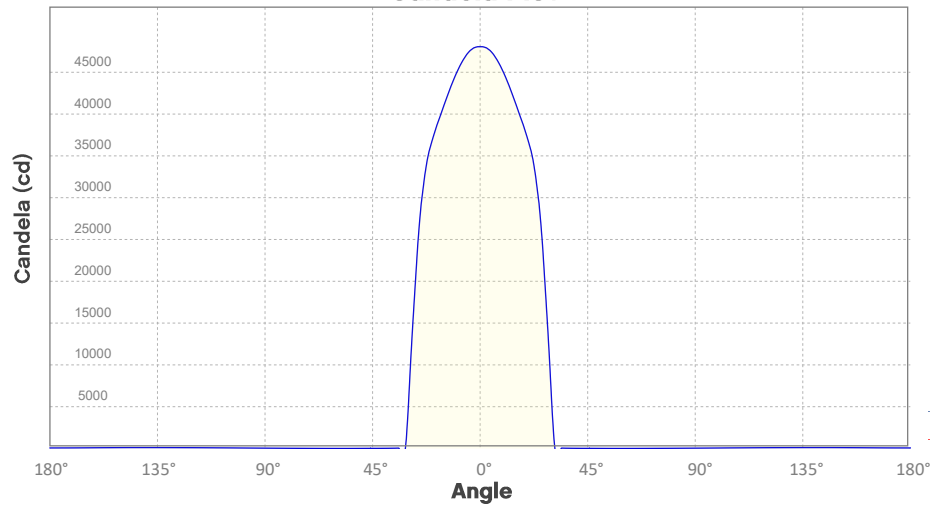
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	47990	11998	5332	2999	1920	1333	979	750	592	480
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	397	333	284	245	213	187	166	148	133	120
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	4458	1115	495	279	178	124	91	70	55	45
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	37	31	26	23	20	17	15	14	12	11

# Photometric Report

Maverick MK3 Spot Full Flood, Full Power

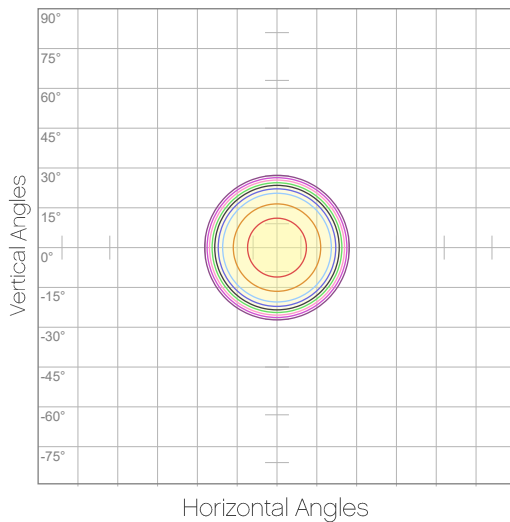
## Candela Plot



Beam Angle (50%): 52.1°  
Field Angle (10%): 60.5°  
Cutoff Angle (3%): 62°

— Horizontal Distribution  
— Vertical Distribution

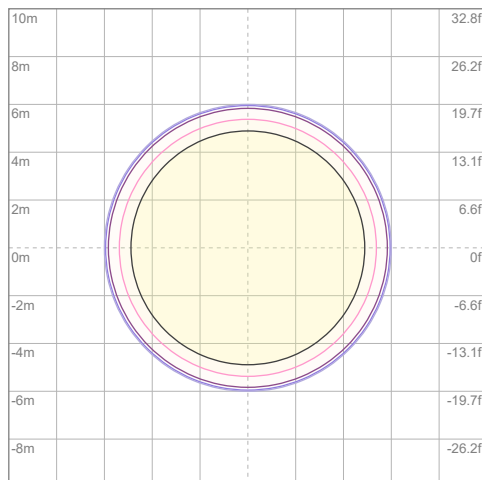
## Polar Diagrams



### iso-candela Diagram

10%	4799 cd
20%	9598 cd
30%	14397 cd
40%	19196 cd
50%	23995 cd
60%	28794 cd
70%	33593 cd
80%	38392 cd
90%	43191 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 47990 cd



### iso-illuminance Diagram

3%	14.4 lx
5%	24.0 lx
10%	48.0 lx
30%	144 lx
50%	240 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 480 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 MK3 Spot Full Flood-w/CRI Filter, Full Power

## Report Summary

### Output

Total Lumens: 18116 lm  
Peak Intensity: 31044 cd  
Illuminance @ 5m: 1242 lux  
Fixture Efficacy: 16 lm/W

### Optical

Horizontal Beam Angle (50%): 52.3°  
Vertical Beam Angle (50%): 52.3°  
Horizontal Field Angle (10%): 60.8°  
Vertical Field Angle (10%): 60.8°  
Horizontal Cutoff Angle (3%): 63°  
Vertical Cutoff Angle (3%): 63°



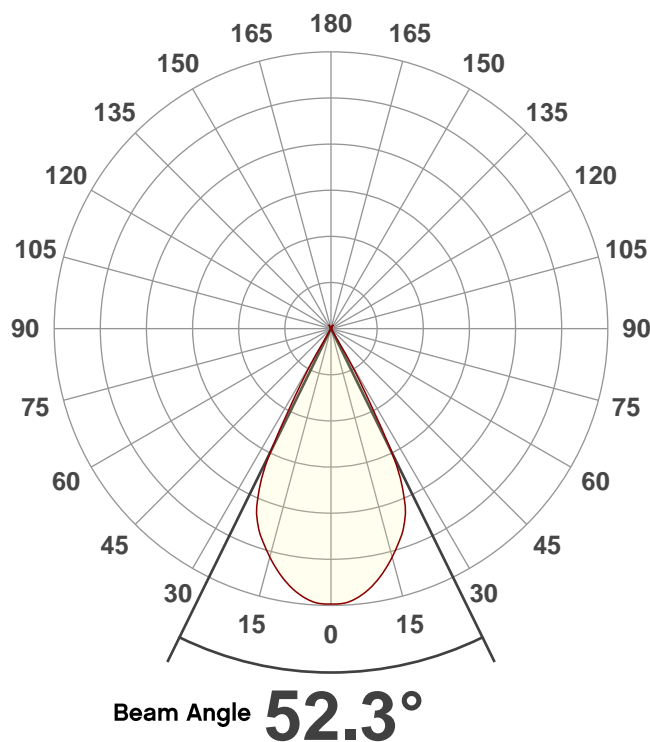
### Conditions

AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0

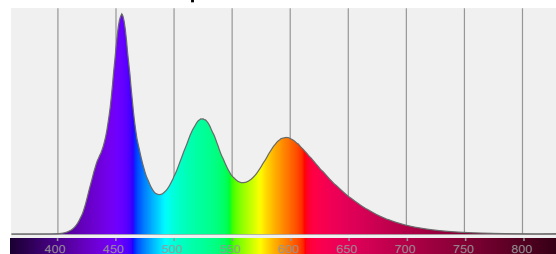
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

## Overall Measurement

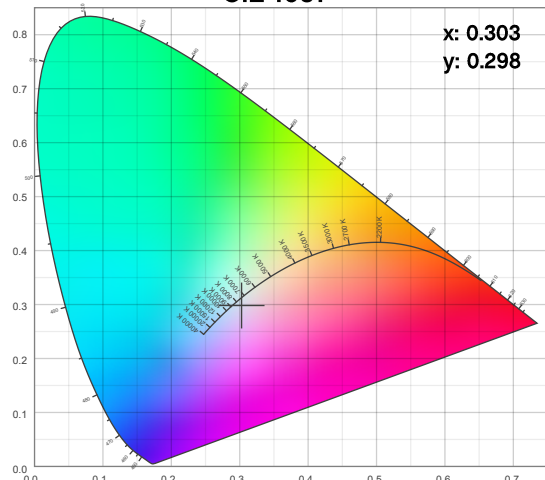
Angular Beam Distribution



Spectral Distribution



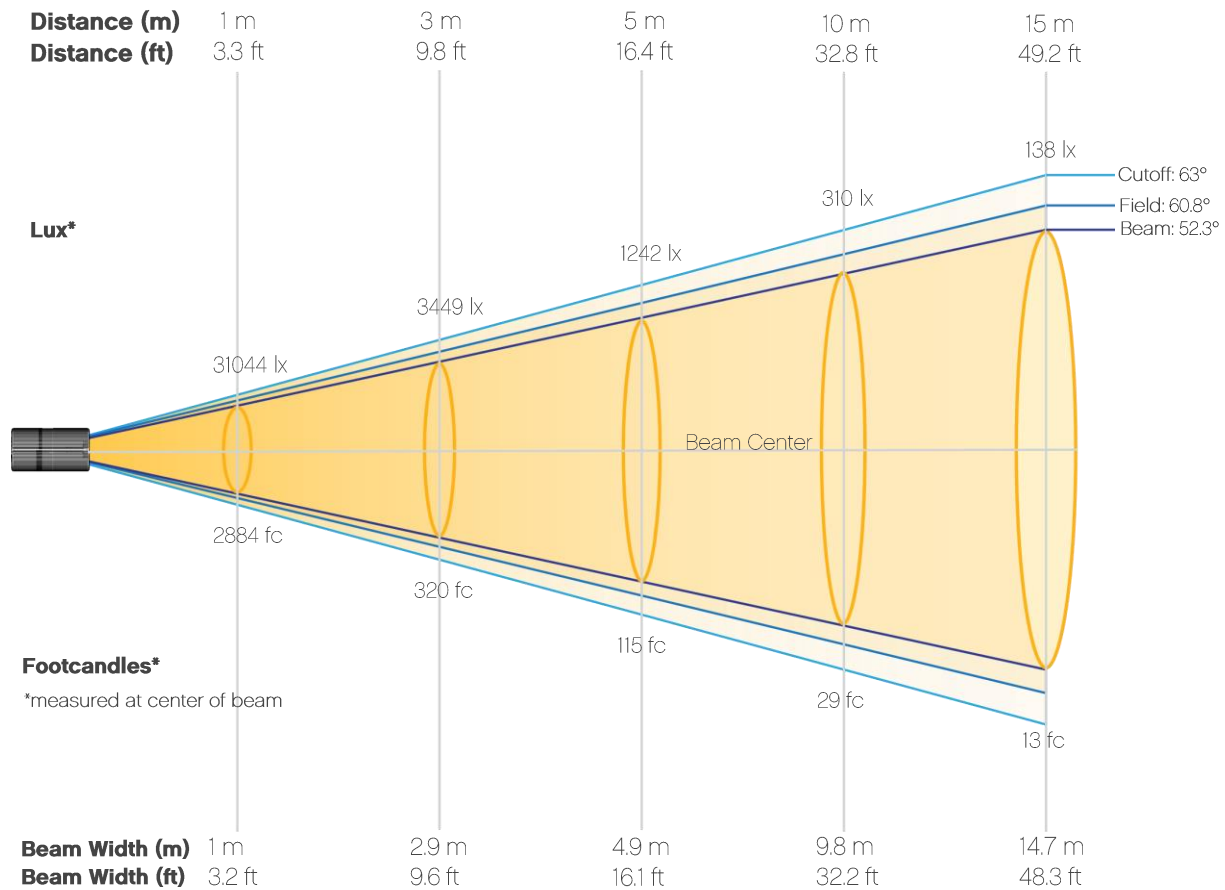
CIE 1931



# Photometric Report

Maverick MK3 Spot Full Flood-w/CRI Filter, Full Power

## Beam Details



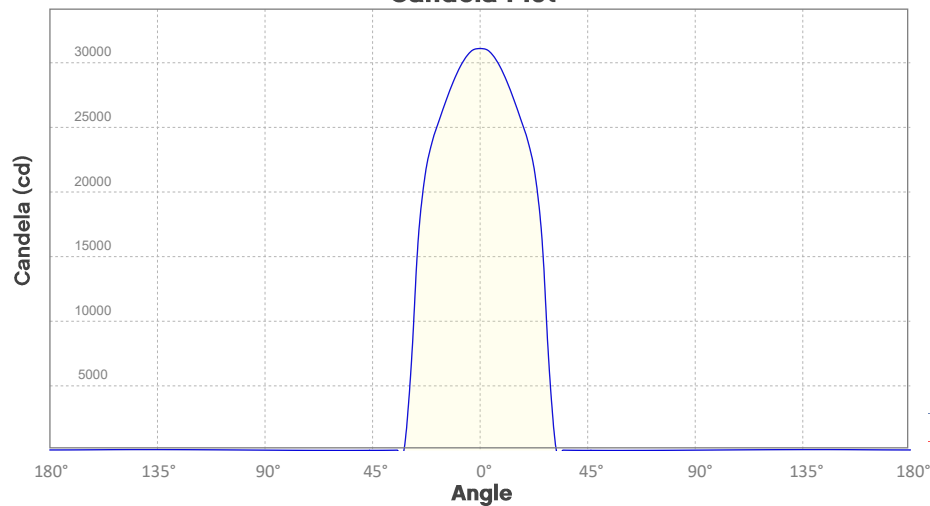
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	31044	7761	3449	1940	1242	862	634	485	383	310
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	257	216	184	158	138	121	107	96	86	78
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	2884	721	320	180	115	80	59	45	36	29
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	24	20	17	15	13	11	10	9	8	7

# Photometric Report

Maverick MK3 Spot Full Flood-w/CRI Filter, Full Power

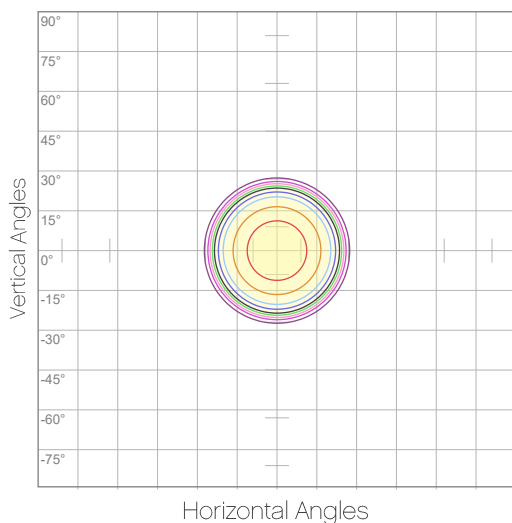
## Candela Plot



Beam Angle (50%): 52.3°  
Field Angle (10%): 60.8°  
Cutoff Angle (3%): 63°

— Horizontal Distribution  
— Vertical Distribution

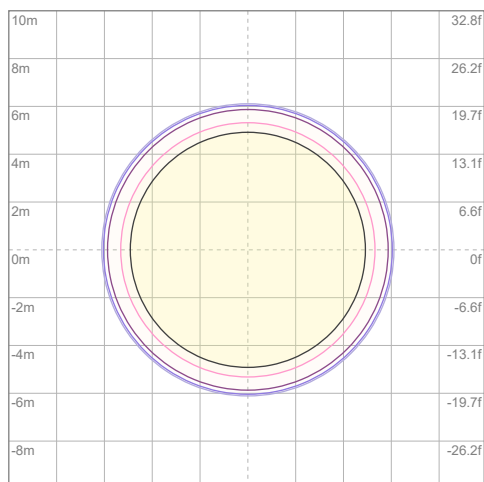
## Polar Diagrams



### iso-candela Diagram

10%	3104 cd
20%	6209 cd
30%	9313 cd
40%	12417 cd
50%	15522 cd
60%	18626 cd
70%	21731 cd
80%	24835 cd
90%	27939 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 31044 cd



### iso-illuminance Diagram

3%	9.31 lx
5%	15.5 lx
10%	31.0 lx
30%	93.1 lx
50%	155 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 310 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 MK3 Spot Full Flood-w/CTO Filter, Full Power

## Report Summary

### Output

Total Lumens: 10550 lm  
Peak Intensity: 18016 cd  
Illuminance @ 5m: 721 lux  
Fixture Efficacy: 9 lm/W

### Optical

Horizontal Beam Angle (50%): 52.3°  
Vertical Beam Angle (50%): 52.3°  
Horizontal Field Angle (10%): 60.3°  
Vertical Field Angle (10%): 60.3°  
Horizontal Cutoff Angle (3%): 63.5°  
Vertical Cutoff Angle (3%): 63.5°

### Conditions

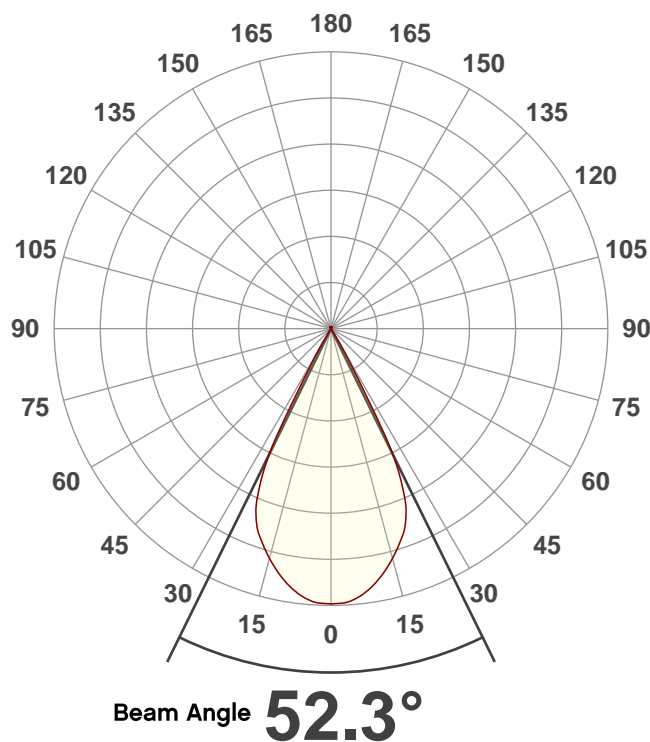
AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0



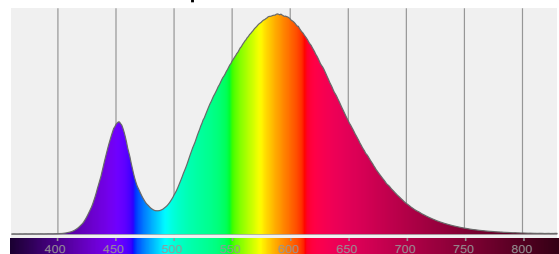
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## Overall Measurement

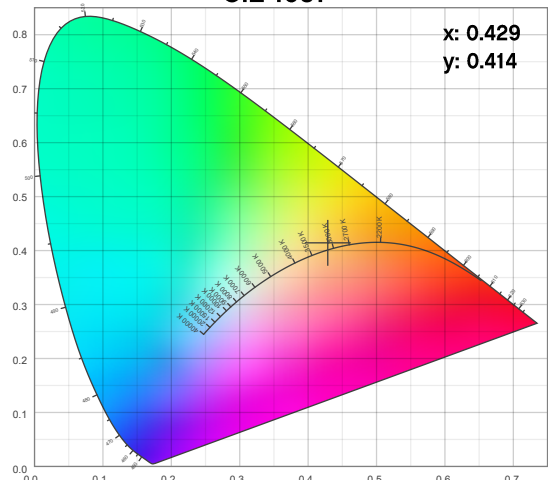
Angular Beam Distribution



Spectral Distribution



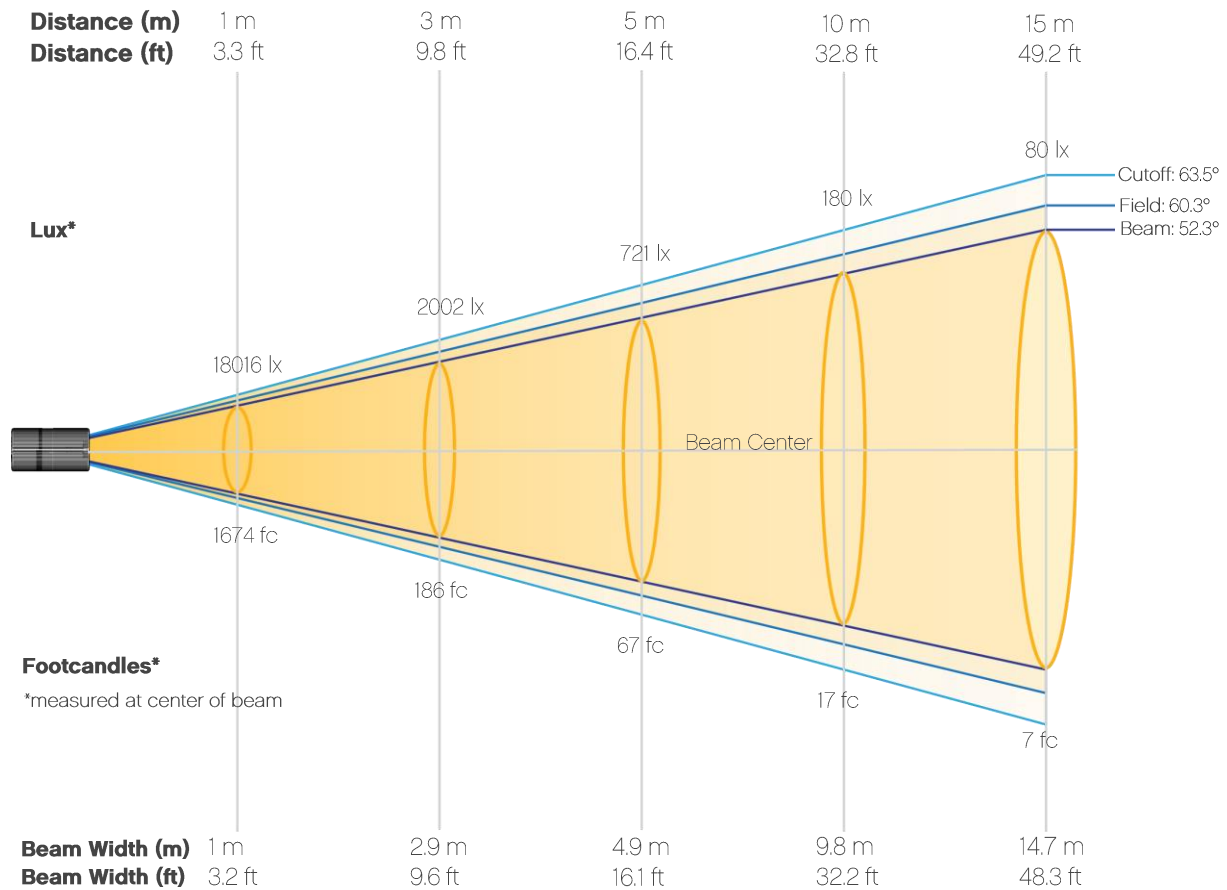
CIE 1931



# Photometric Report

Maverick MK3 Spot Full Flood-w/CTO Filter, Full Power

## Beam Details



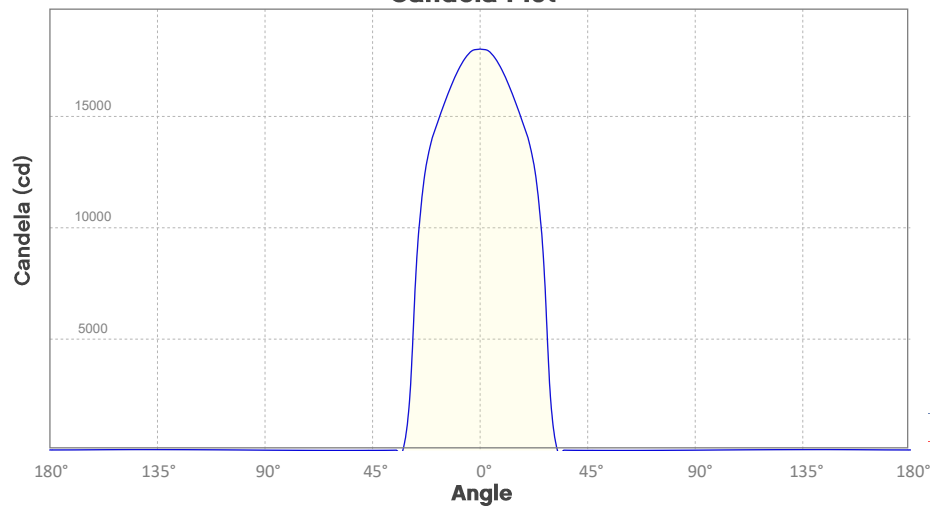
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	18016	4504	2002	1126	721	500	368	281	222	180
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	149	125	107	92	80	70	62	56	50	45
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	1674	418	186	105	67	46	34	26	21	17
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	14	12	10	9	7	7	6	5	5	4

# Photometric Report

Maverick MK3 Spot Full Flood-w/CTO Filter, Full Power

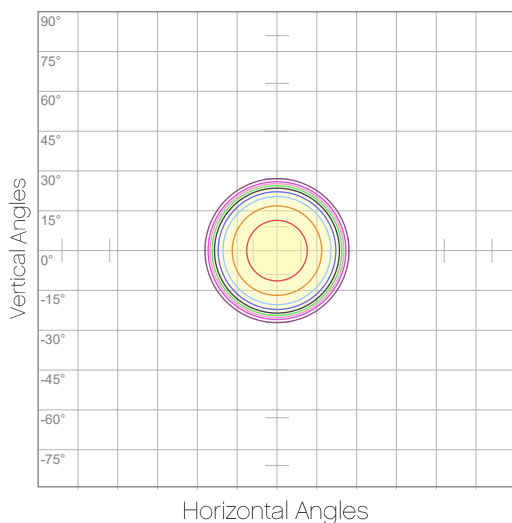
## Candela Plot



Beam Angle (50%): 52.3°  
Field Angle (10%): 60.3°  
Cutoff Angle (3%): 63.5°

— Horizontal Distribution  
— Vertical Distribution

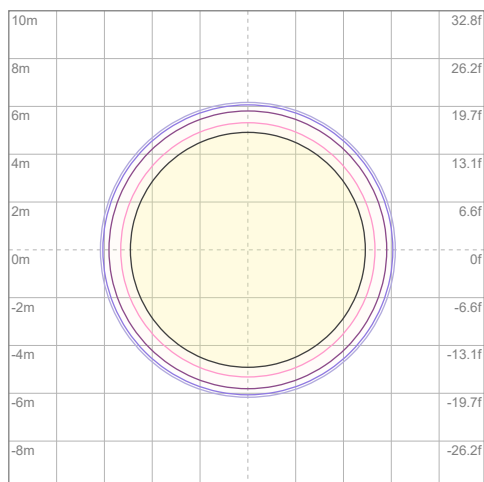
## Polar Diagrams



### iso-candela Diagram

10%	1802 cd
20%	3603 cd
30%	5405 cd
40%	7206 cd
50%	9008 cd
60%	10809 cd
70%	12611 cd
80%	14413 cd
90%	16214 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 18016 cd



### iso-illuminance Diagram

3%	5.40 lx
5%	9.01 lx
10%	18.0 lx
30%	54.0 lx
50%	90.1 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 180 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 MK3 Spot Full Spot, Full Power

## Report Summary

### Output

Total Lumens: 13175 lm  
Peak Intensity: 1423620 cd  
Illuminance @ 5m: 56945 lux  
Fixture Efficacy: 12 lm/W

### Optical

Horizontal Beam Angle (50%): 6.1°  
Vertical Beam Angle (50%): 6.1°  
Horizontal Field Angle (10%): 7.6°  
Vertical Field Angle (10%): 7.6°  
Horizontal Cutoff Angle (3%): 8.1°  
Vertical Cutoff Angle (3%): 8.1°

### Conditions

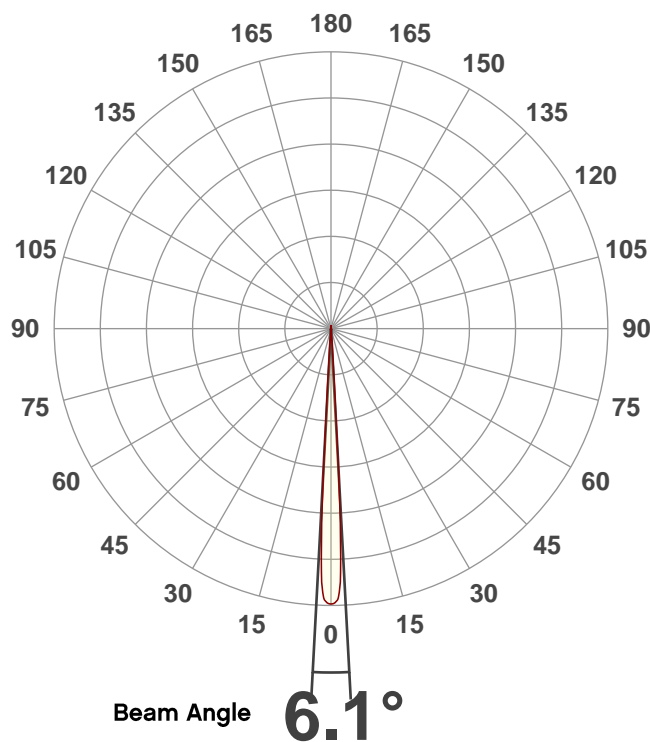
AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0



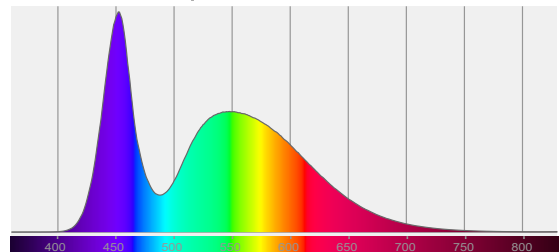
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## Overall Measurement

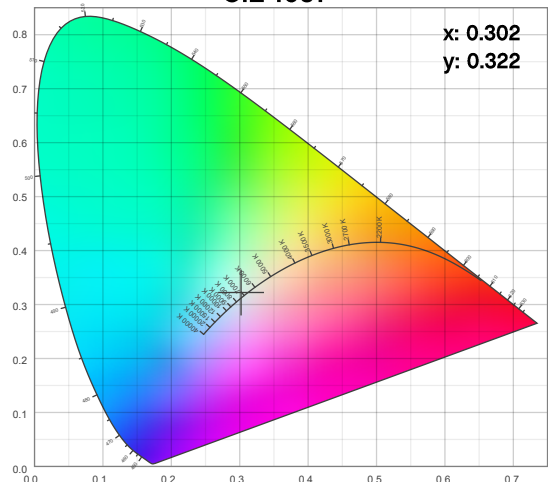
Angular Beam Distribution



Spectral Distribution



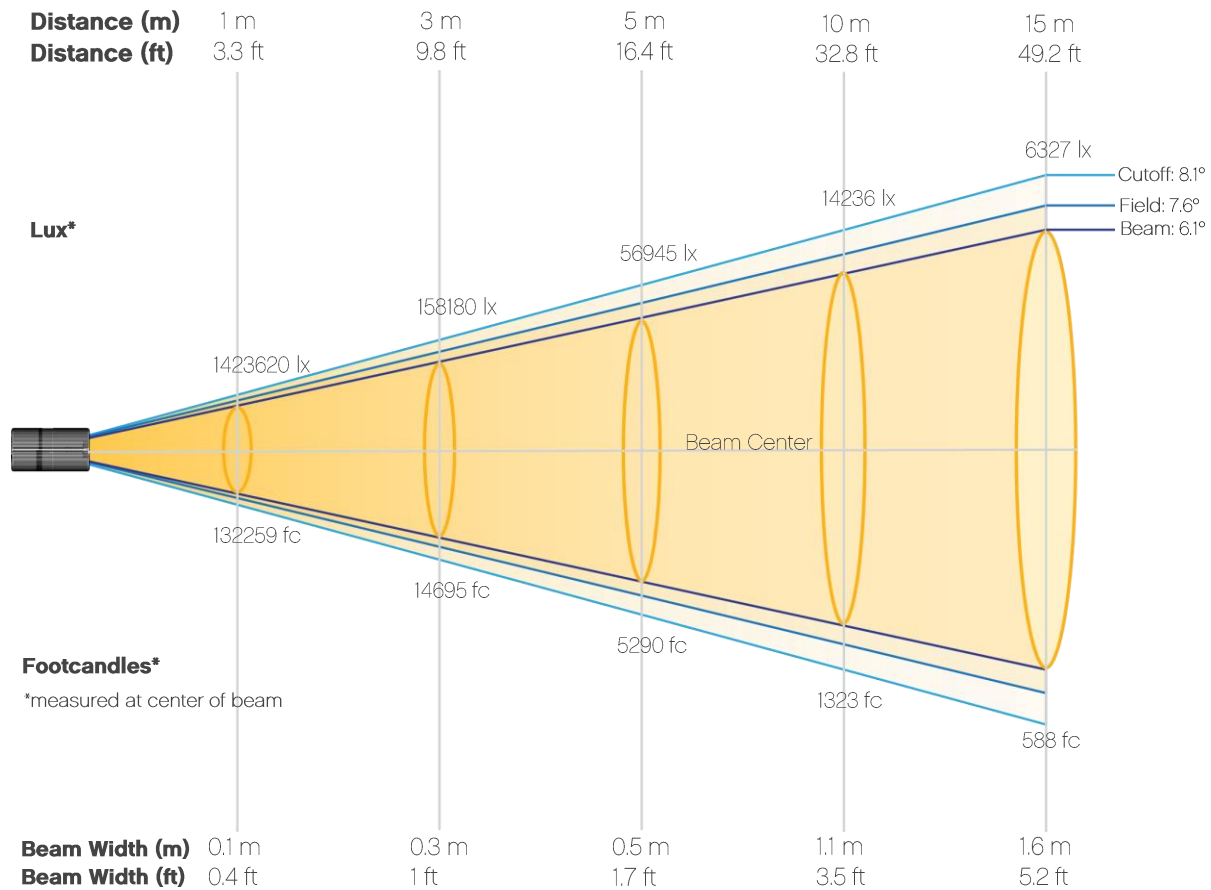
CIE 1931



# Photometric Report

Maverick MK3 Spot Full Spot, Full Power

## Beam Details



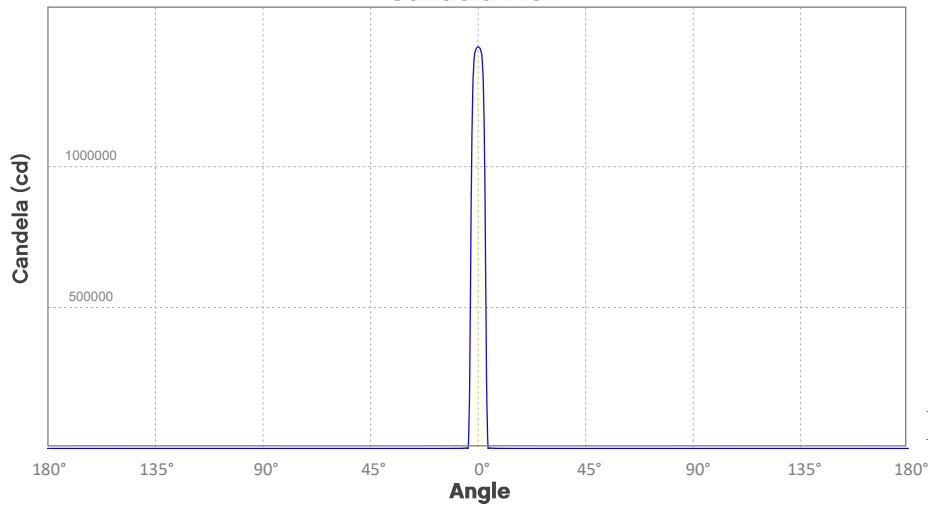
### Beam luminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	1423620	355905	158180	88976	56945	39545	29053	22244	17576	14236
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	11765	9886	8424	7263	6327	5561	4926	4394	3944	3559
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	132259	33065	14695	8266	5290	3674	2699	2067	1633	1323
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	1093	918	783	675	588	517	458	408	366	331



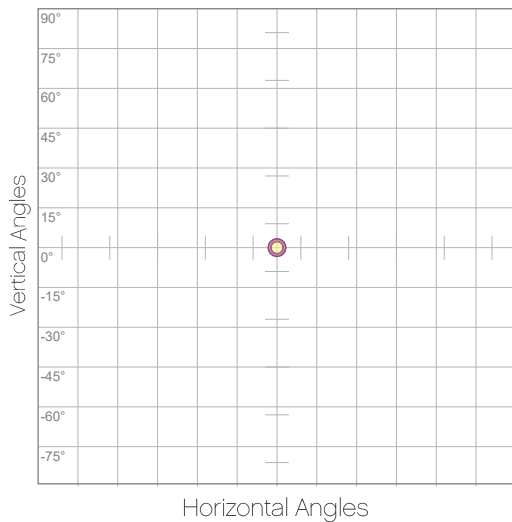
# Photometric Report

Maverick MK3 Spot Full Spot, Full Power  
Candela Plot



Beam Angle (50%): 6.1°  
Field Angle (10%): 7.6°  
Cutoff Angle (3%): 8.1°

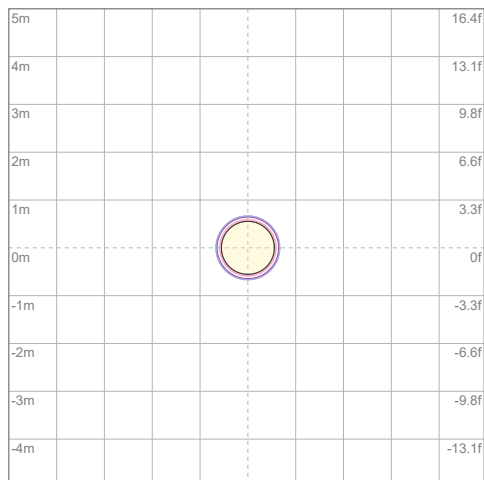
## Polar Diagrams



### iso-candela Diagram

10%	142362 cd
20%	284724 cd
30%	427086 cd
40%	569448 cd
50%	711810 cd
60%	854172 cd
70%	996534 cd
80%	1138896 cd
90%	1281258 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 1423620 cd



### iso-illuminance Diagram

3%	427 lx
5%	712 lx
10%	1424 lx
30%	4271 lx
50%	7118 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 MK3 Spot Full Spot-w/CRI Filter, Full Power

## Report Summary

### Output

Total Lumens: 9025 lm  
Peak Intensity: 975263 cd  
Illuminance @ 5m: 39011 lux  
Fixture Efficacy: 8 lm/W

### Optical

Horizontal Beam Angle (50%): 6.1°  
Vertical Beam Angle (50%): 6.1°  
Horizontal Field Angle (10%): 7.3°  
Vertical Field Angle (10%): 7.3°  
Horizontal Cutoff Angle (3%): 8.1°  
Vertical Cutoff Angle (3%): 8.1°

### Conditions

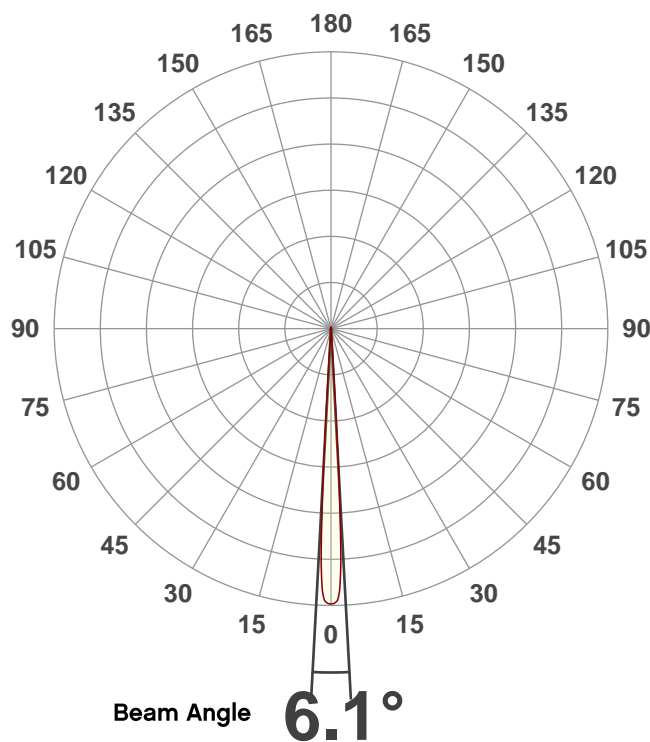
AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0



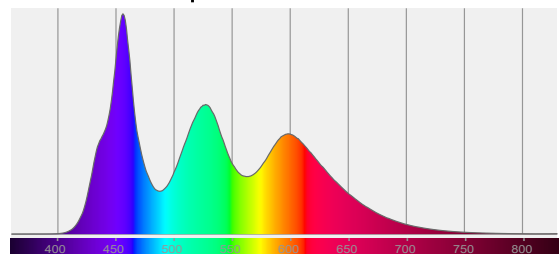
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

## Overall Measurement

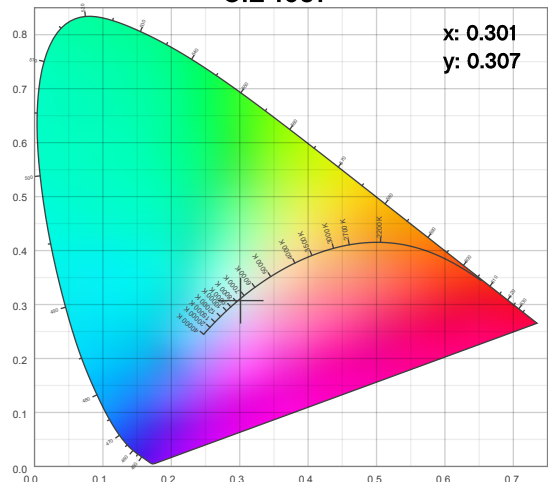
Angular Beam Distribution



Spectral Distribution



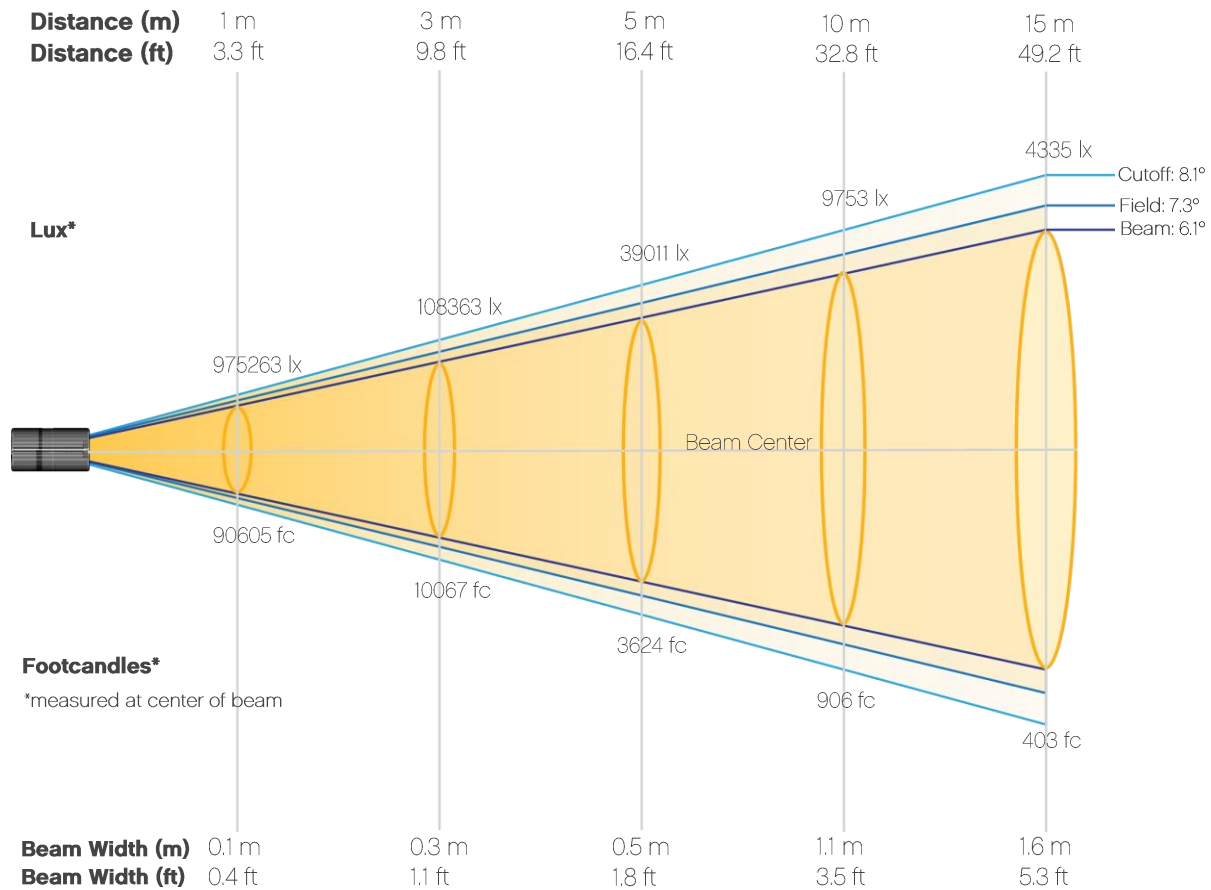
CIE 1931



# Photometric Report

Maverick MK3 Spot Full Spot-w/CRI Filter, Full Power

## Beam Details



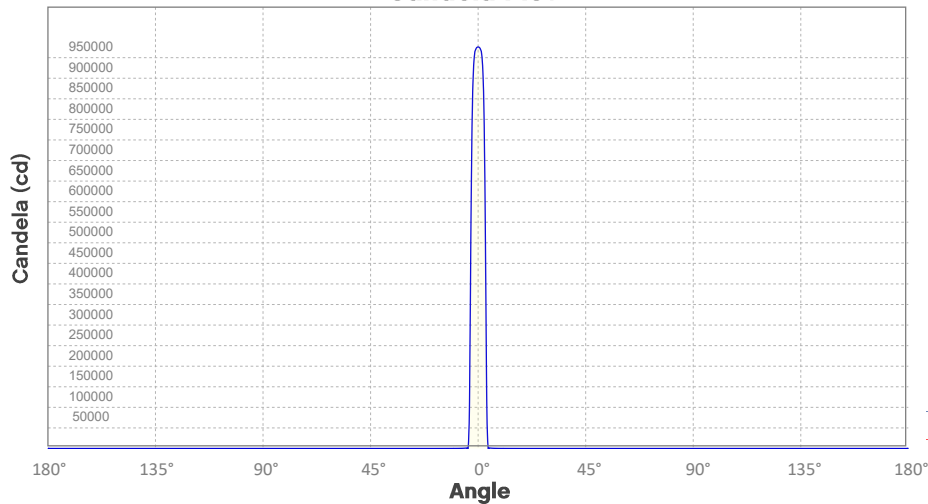
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	975263	243816	108363	60954	39011	27091	19903	15238	12040	9753
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	8060	6773	5771	4976	4335	3810	3375	3010	2702	2438
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	90605	22651	10067	5663	3624	2517	1849	1416	1119	906
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	749	629	536	462	403	354	314	280	251	227

# Photometric Report

Maverick MK3 Spot Full Spot-w/CRI Filter, Full Power

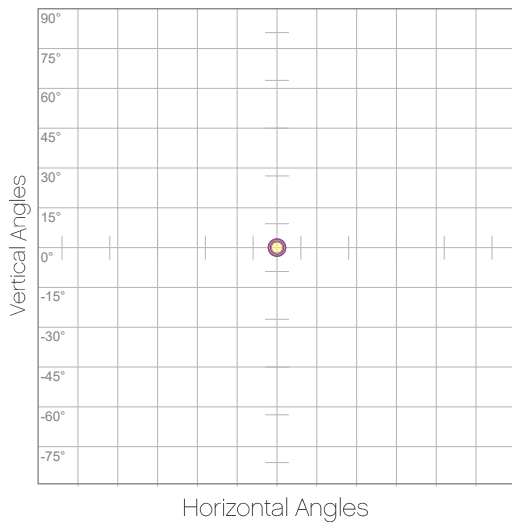
## Candela Plot



Beam Angle (50%): 6.1°  
Field Angle (10%): 7.3°  
Cutoff Angle (3%): 8.1°

— Horizontal Distribution  
— Vertical Distribution

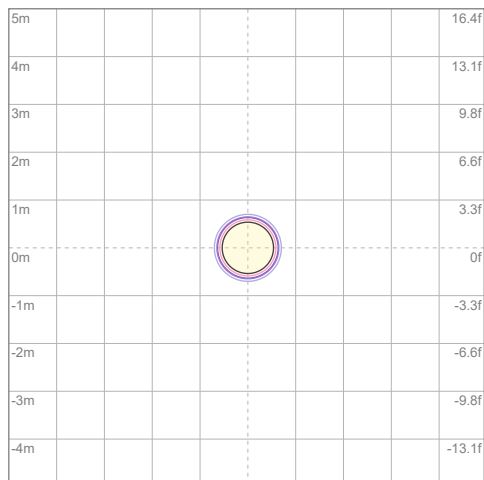
## Polar Diagrams



### iso-candela Diagram

10%	97526 cd
20%	195053 cd
30%	292579 cd
40%	390105 cd
50%	487631 cd
60%	585158 cd
70%	682684 cd
80%	780210 cd
90%	877737 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 975263 cd



### iso-illuminance Diagram

3%	293 lx
5%	488 lx
10%	975 lx
30%	2926 lx
50%	4876 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 9753 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 MK3 Spot Full Spot-w/CTO Filter, Full Power

## Report Summary

### Output

Total Lumens: 5172 lm  
Peak Intensity: 547103 cd  
Illuminance @ 5m: 21884 lux  
Fixture Efficacy: 5 lm/W

### Optical

Horizontal Beam Angle (50%): 6.1°  
Vertical Beam Angle (50%): 6.1°  
Horizontal Field Angle (10%): 7.4°  
Vertical Field Angle (10%): 7.4°  
Horizontal Cutoff Angle (3%): 7.6°  
Vertical Cutoff Angle (3%): 7.6°



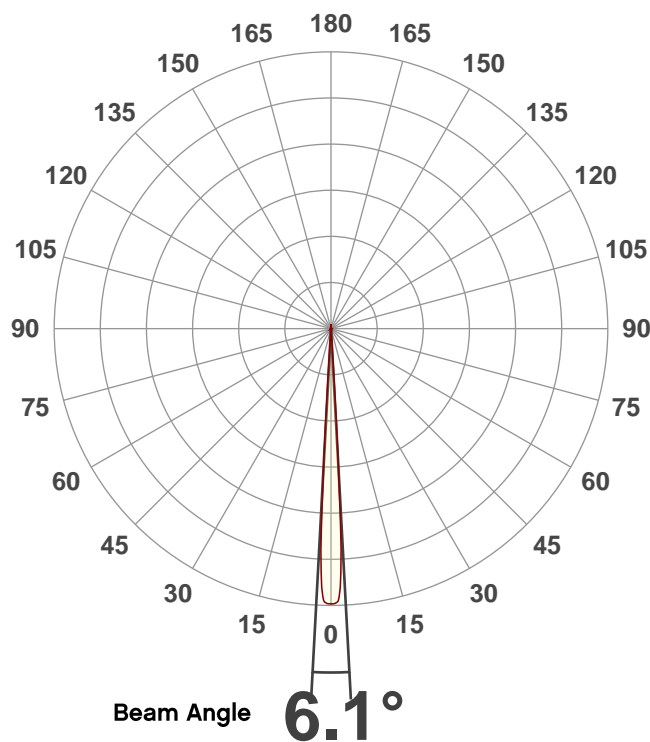
### Conditions

AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0

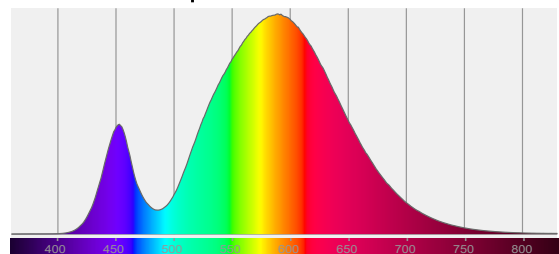
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## Overall Measurement

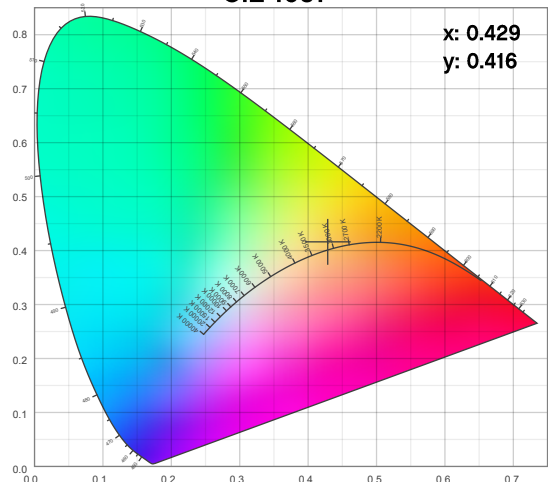
Angular Beam Distribution



Spectral Distribution



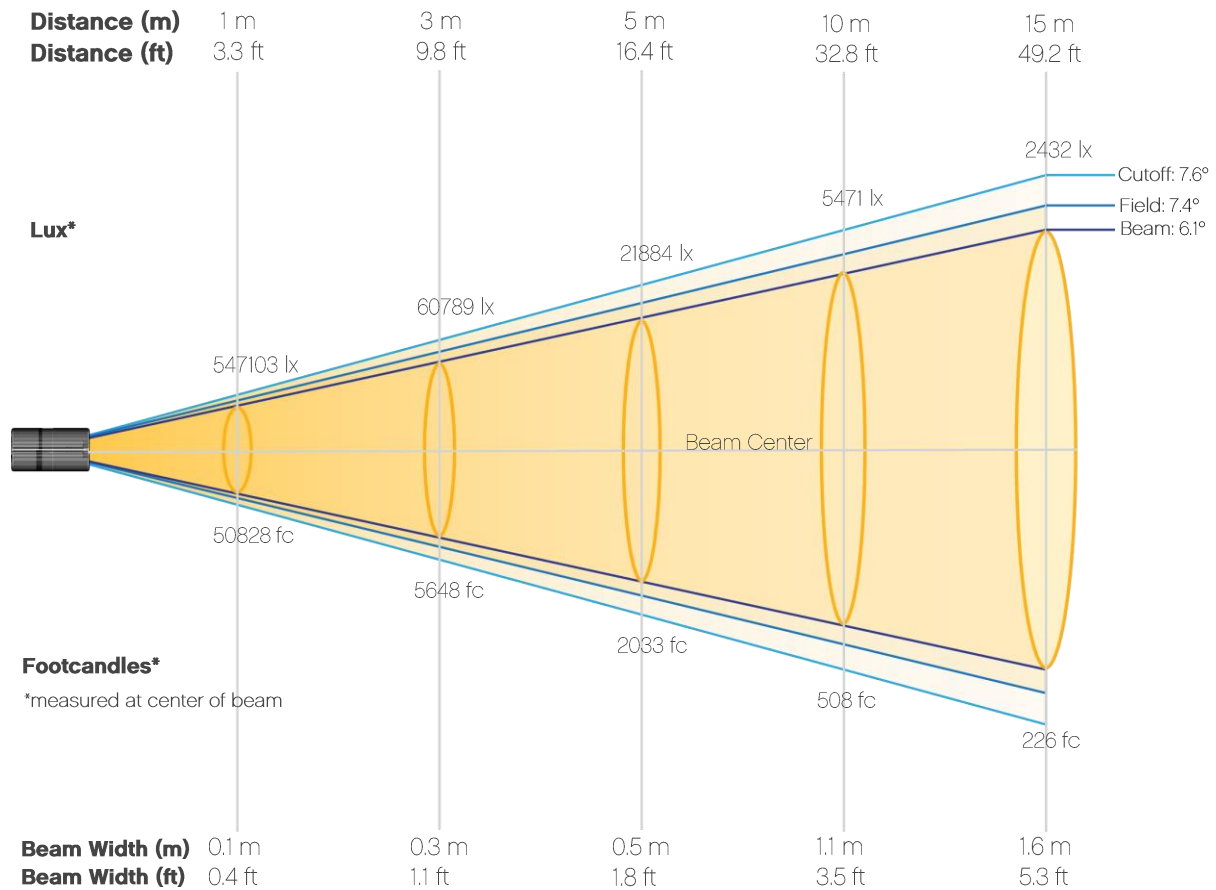
CIE 1931



# Photometric Report

Maverick MK3 Spot Full Spot-w/CTO Filter, Full Power

## Beam Details



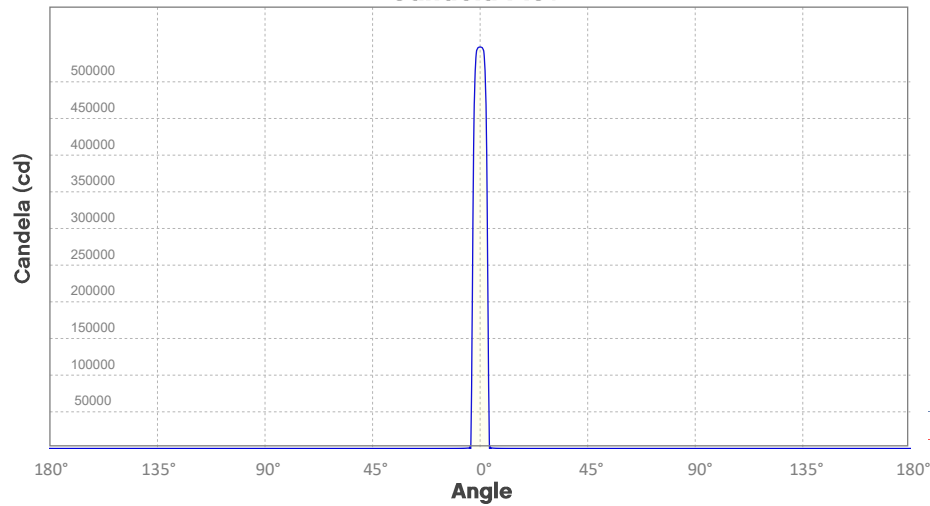
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	547103	136776	60789	34194	21884	15197	11165	8548	6754	5471
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	4522	3799	3237	2791	2432	2137	1893	1689	1516	1368
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	50828	12707	5648	3177	2033	1412	1037	794	628	508
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	420	353	301	259	226	199	176	157	141	127

# Photometric Report

Maverick MK3 Spot Full Spot-w/CTO Filter, Full Power

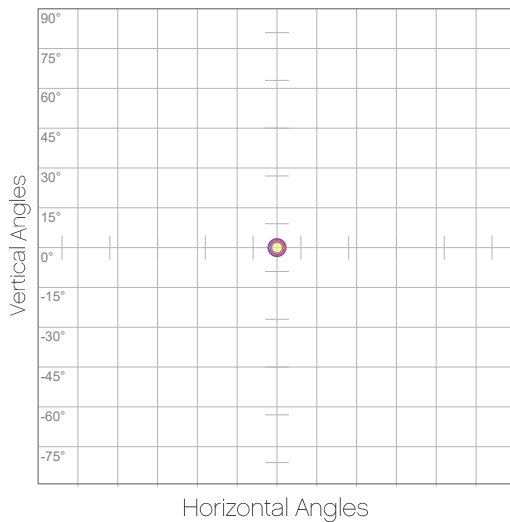
## Candela Plot



Beam Angle (50%): 6.1°  
Field Angle (10%): 7.4°  
Cutoff Angle (3%): 7.6°

— Horizontal Distribution  
— Vertical Distribution

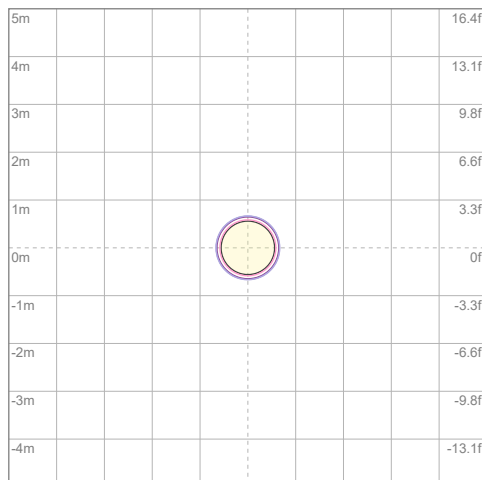
## Polar Diagrams



### iso-candela Diagram

10%	54710 cd
20%	109421 cd
30%	164131 cd
40%	218841 cd
50%	273551 cd
60%	328262 cd
70%	382972 cd
80%	437682 cd
90%	492393 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 547103 cd



### iso-illuminance Diagram

3%	164 lx
5%	274 lx
10%	547 lx
30%	1641 lx
50%	2736 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 5471 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 MK3 Spot 50% Zoom, Full Power

## Report Summary

### Output

Total Lumens: 28016 lm  
Peak Intensity: 287414 cd  
Illuminance @ 5m: 11497 lux  
Fixture Efficacy: 25 lm/W

### Optical

Horizontal Beam Angle (50%): 20.4°  
Vertical Beam Angle (50%): 20.4°  
Horizontal Field Angle (10%): 24.1°  
Vertical Field Angle (10%): 24.1°  
Horizontal Cutoff Angle (3%): 26°  
Vertical Cutoff Angle (3%): 26°

### Conditions

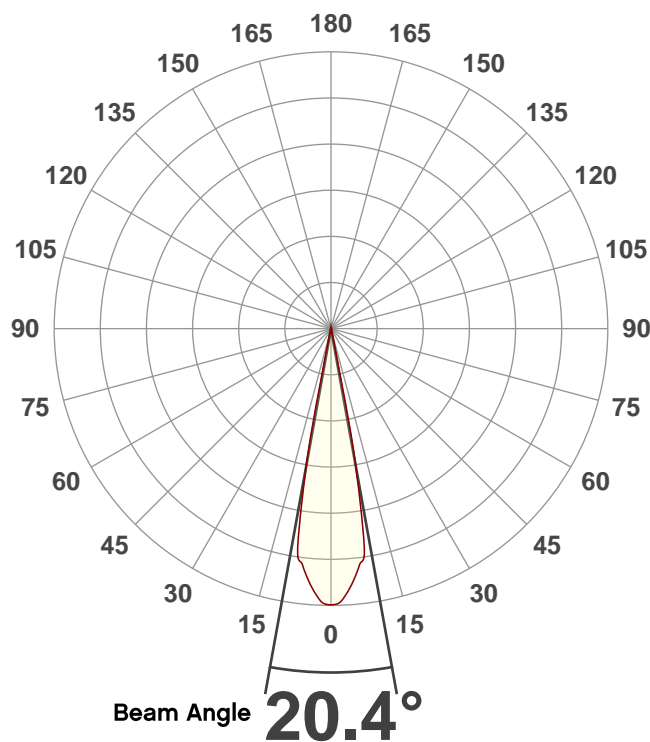
AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0



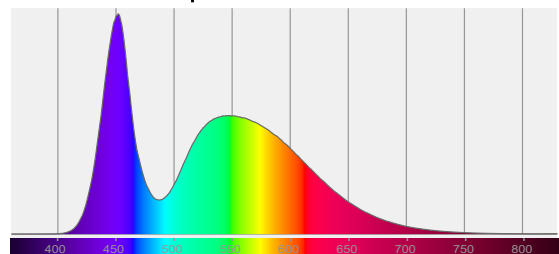
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

## Overall Measurement

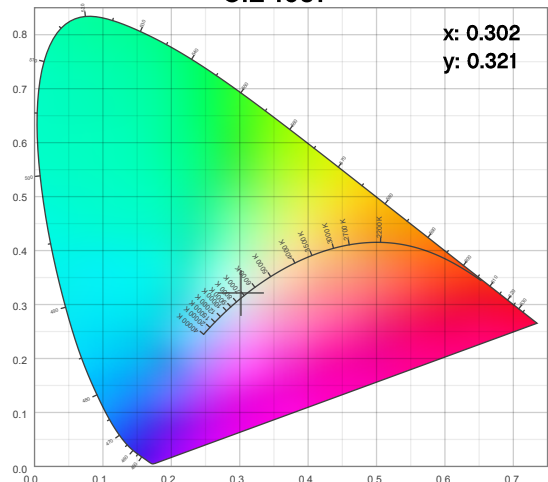
Angular Beam Distribution



Spectral Distribution



CIE 1931

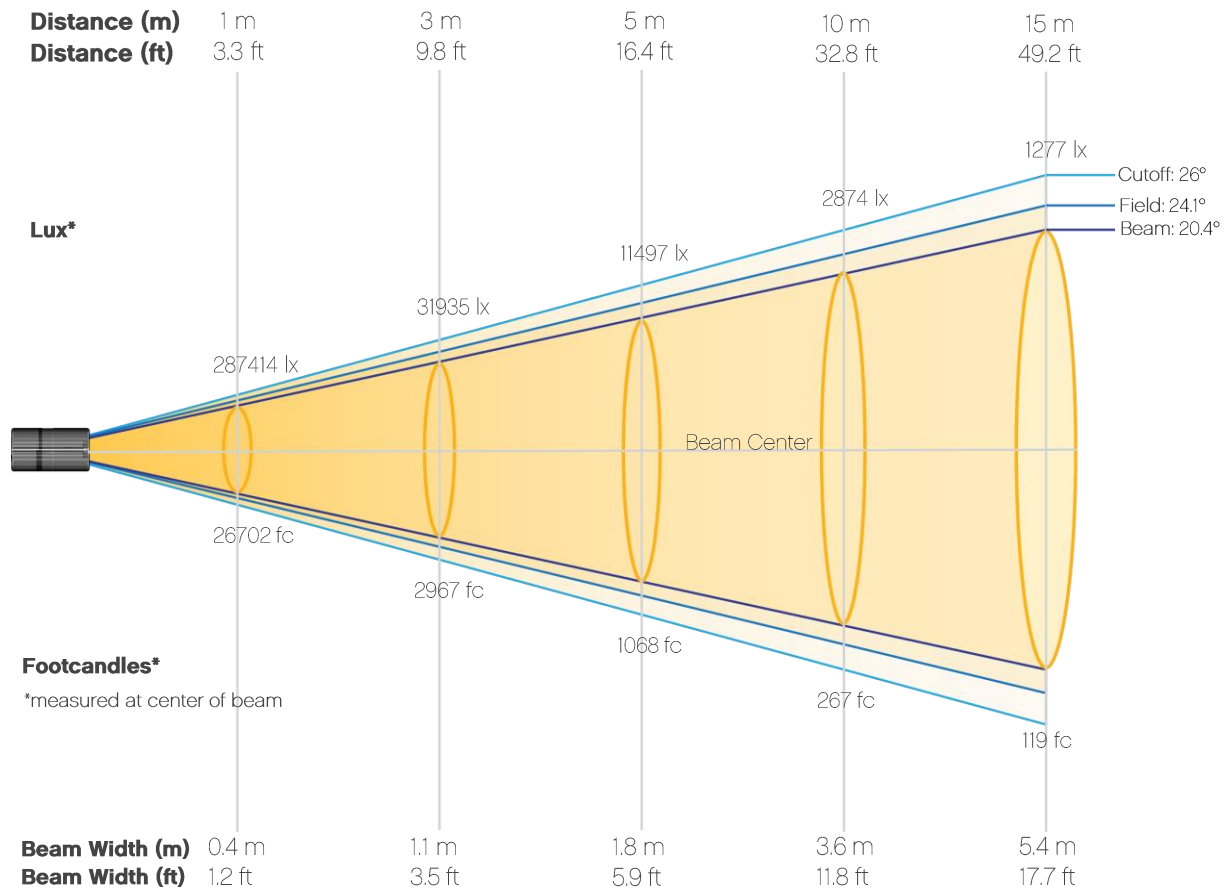




# Photometric Report

Maverick MK3 Spot 50% Zoom, Full Power

## Beam Details



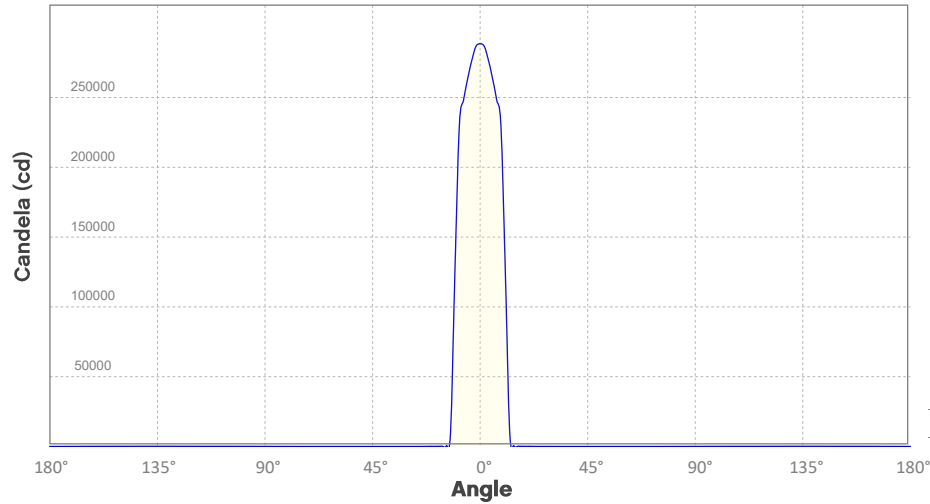
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	287414	71853	31935	17963	11497	7984	5866	4491	3548	2874
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	2375	1996	1701	1466	1277	1123	995	887	796	719
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	26702	6675	2967	1669	1068	742	545	417	330	267
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	221	185	158	136	119	104	92	82	74	67

# Photometric Report

Maverick MK3 Spot 50% Zoom, Full Power

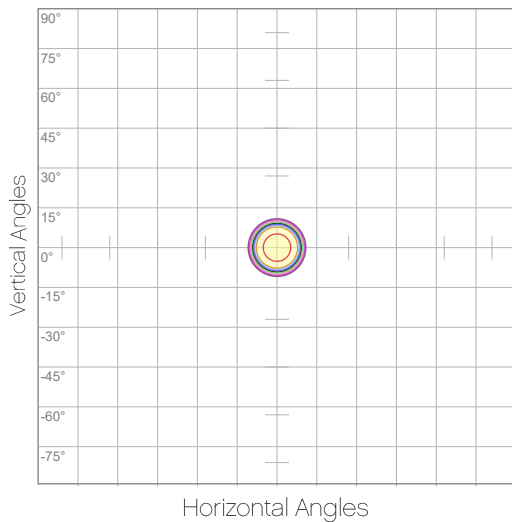
## Candela Plot



Beam Angle (50%): 20.4°  
Field Angle (10%): 24.1°  
Cutoff Angle (3%): 26°

— Horizontal Distribution  
— Vertical Distribution

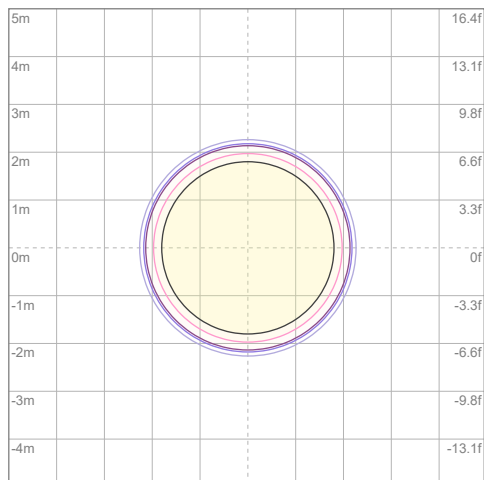
## Polar Diagrams



### iso-candela Diagram

10%	28741 cd
20%	57483 cd
30%	86224 cd
40%	114966 cd
50%	143707 cd
60%	172448 cd
70%	201190 cd
80%	229931 cd
90%	258673 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 287414 cd



### iso-illuminance Diagram

3%	86.2 lx
5%	144 lx
10%	287 lx
30%	862 lx
50%	1437 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 2874 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 MK3 Spot 50% Zoom-w/CRI Filter, Full Power

## Report Summary

### Output

Total Lumens: 18049 lm  
Peak Intensity: 184919 cd  
Illuminance @ 5m: 7397 lux  
Fixture Efficacy: 16 lm/W

### Optical

Horizontal Beam Angle (50%): 20.3°  
Vertical Beam Angle (50%): 20.3°  
Horizontal Field Angle (10%): 24.2°  
Vertical Field Angle (10%): 24.2°  
Horizontal Cutoff Angle (3%): 25.6°  
Vertical Cutoff Angle (3%): 25.6°



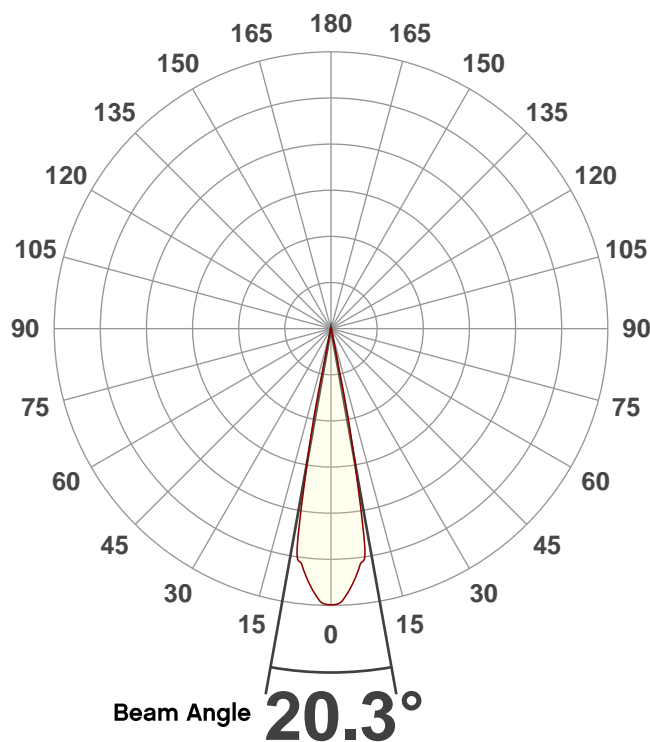
### Conditions

AC Supply: 120 V, 0 Hz  
Power: 1122.0 W  
Current: 9.35 A  
Power Factor: 1.0

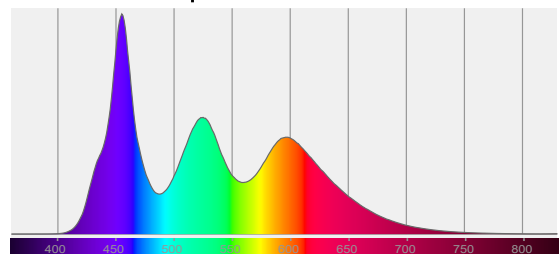
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## Overall Measurement

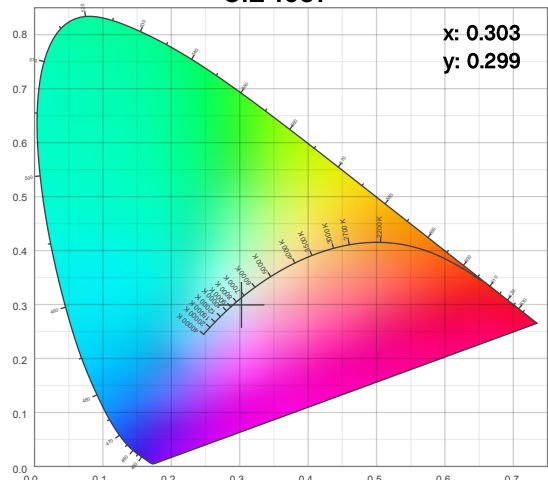
Angular Beam Distribution



Spectral Distribution



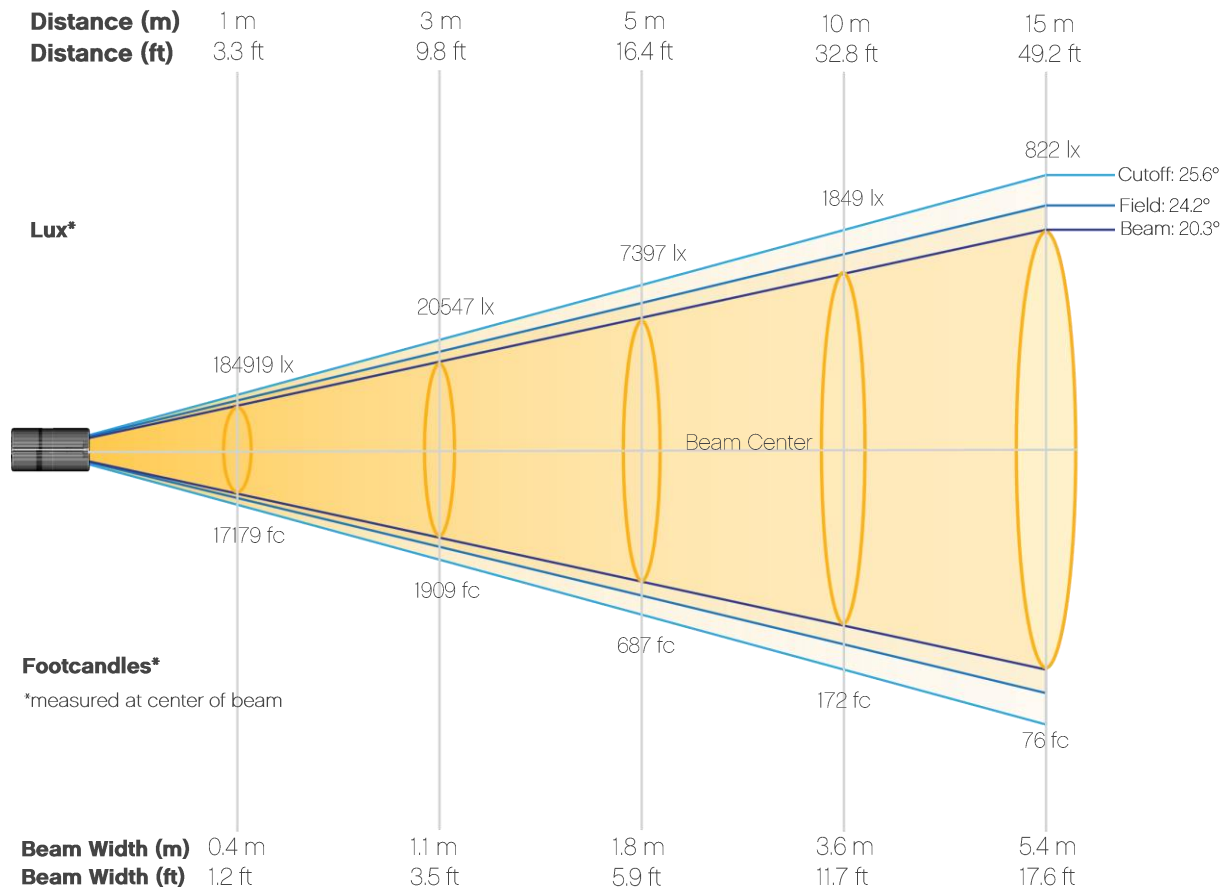
CIE 1931



# Photometric Report

Maverick MK3 Spot 50% Zoom-w/CRI Filter, Full Power

## Beam Details



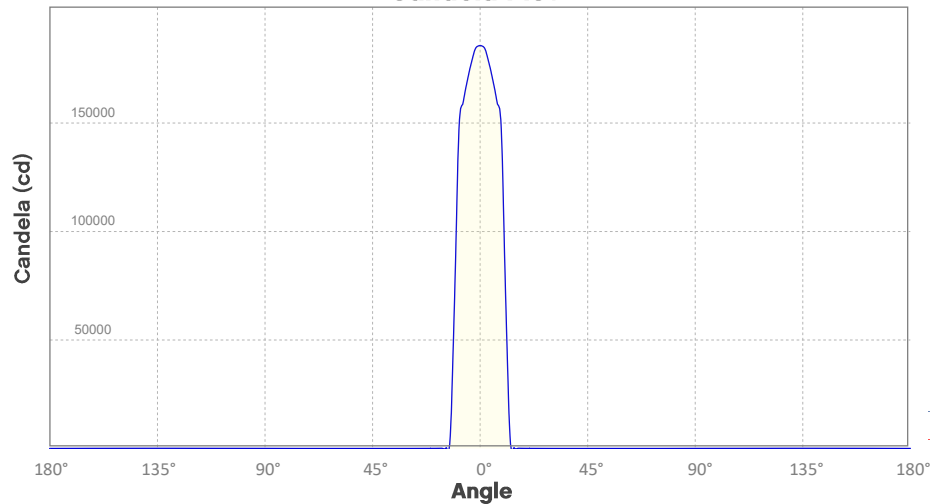
### Beam Illuminances from 1-20m (3.3-65.6ft)

<b>Distance</b>	<b>1m</b>	<b>2m</b>	<b>3m</b>	<b>4m</b>	<b>5m</b>	<b>6m</b>	<b>7m</b>	<b>8m</b>	<b>9m</b>	<b>10m</b>
Lux	184919	46230	20547	11557	7397	5137	3774	2889	2283	1849
<b>Distance</b>	<b>11m</b>	<b>12m</b>	<b>13m</b>	<b>14m</b>	<b>15m</b>	<b>16m</b>	<b>17m</b>	<b>18m</b>	<b>19m</b>	<b>20m</b>
Lux	1528	1284	1094	943	822	722	640	571	512	462
<b>Distance</b>	<b>3.3ft</b>	<b>6.6ft</b>	<b>9.8ft</b>	<b>13.1ft</b>	<b>16.4ft</b>	<b>19.7ft</b>	<b>23ft</b>	<b>26.2ft</b>	<b>29.5ft</b>	<b>32.8ft</b>
FC	17179	4295	1909	1074	687	477	351	268	212	172
<b>Distance</b>	<b>36.1ft</b>	<b>39.4ft</b>	<b>42.7ft</b>	<b>45.9ft</b>	<b>49.2ft</b>	<b>52.5ft</b>	<b>55.8ft</b>	<b>59.1ft</b>	<b>62.3ft</b>	<b>65.6ft</b>
FC	142	119	102	88	76	67	59	53	48	43

# Photometric Report

Maverick MK3 Spot 50% Zoom-w/CRI Filter, Full Power

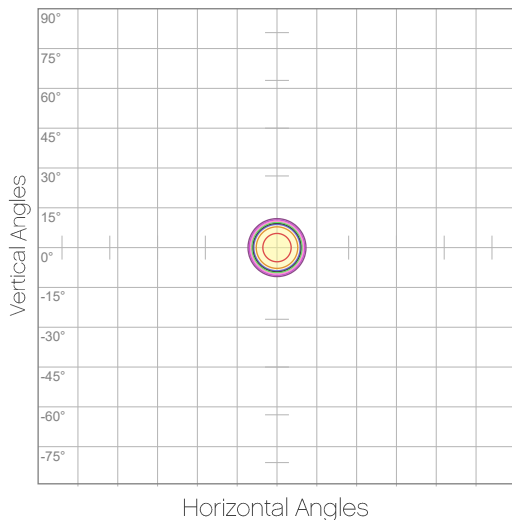
## Candela Plot



Beam Angle (50%): 20.3°  
Field Angle (10%): 24.2°  
Cutoff Angle (3%): 25.6°

— Horizontal Distribution  
— Vertical Distribution

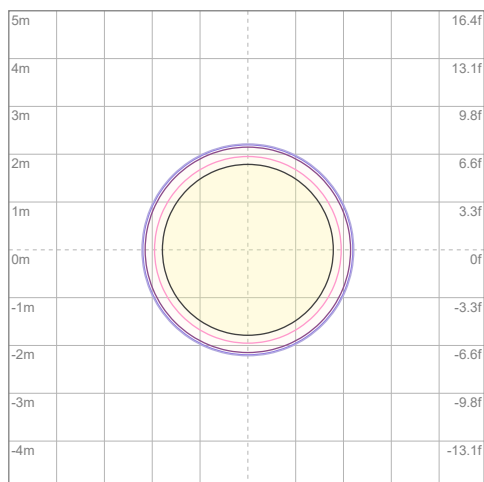
## Polar Diagrams



### iso-candela Diagram

10%	18492 cd
20%	36984 cd
30%	55476 cd
40%	73967 cd
50%	92459 cd
60%	110951 cd
70%	129443 cd
80%	147935 cd
90%	166427 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 184919 cd



### iso-illuminance Diagram

3%	55.5 lx
5%	92.5 lx
10%	185 lx
30%	555 lx
50%	925 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 1849 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 MK3 Spot: Full Power

## Report Summary

### Measurements

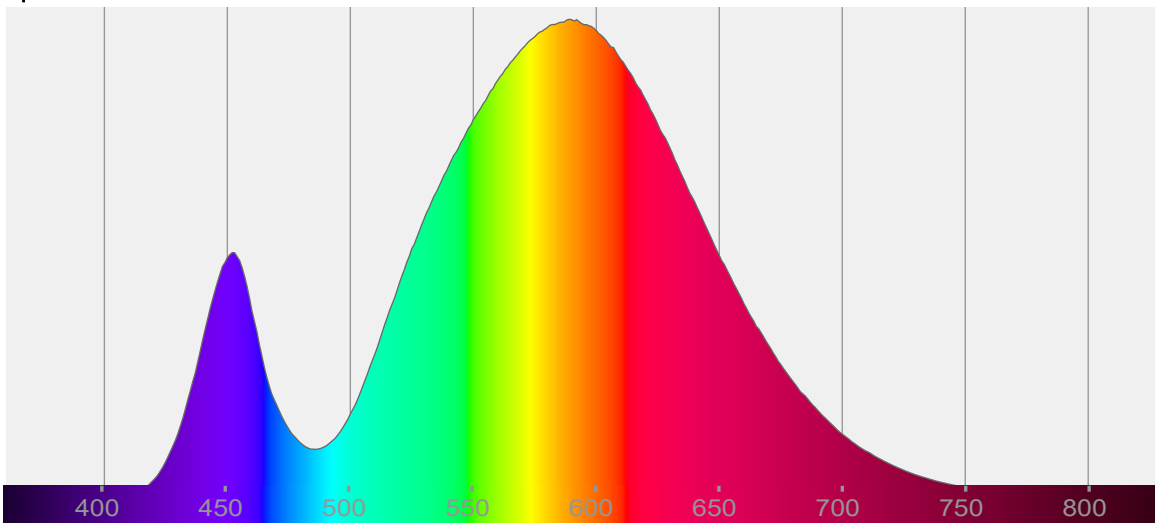
Total Lumens: 10679 lm  
Peak Intensity: 108701 cd  
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 3249K  
 $\Delta uv$ : 0.0056

CRI: 70.3      CRI R9 Value: -27.7  
CQS: 71.3  
TLCI: 48  
TM-30-18 Rf: 71.9  
TM-30-18 Rg: 92.7  
1<sup>st</sup> Dominant Wavelength: 589 nm  
2<sup>nd</sup> Dominant Wavelength: 452 nm



### Spectral Distribution



#### Tested Color

**3249 K**  
CIE 1931 Coordinates:  
X: 0.428   Y: 0.414

#### Color Temperature

3249 K

#### Light Quality

CRI: 70.3

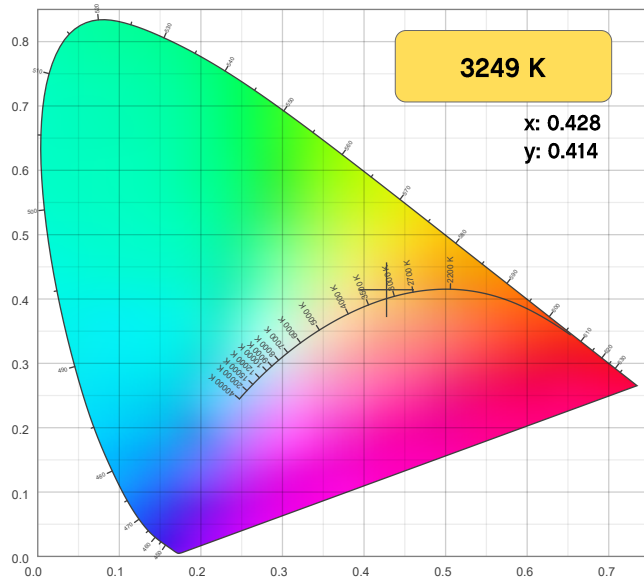
#### Notes:

# Chromaticity Report

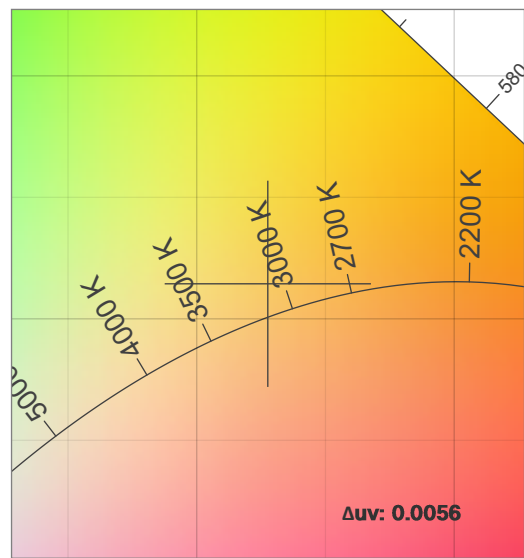
Maverick MK3 Spot: Full Power

## Chromaticity

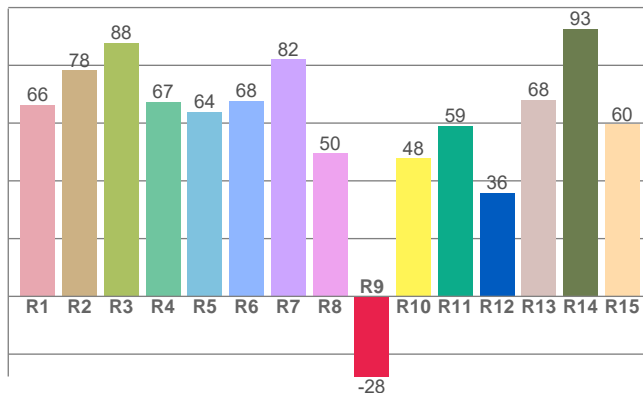
CIE 1931



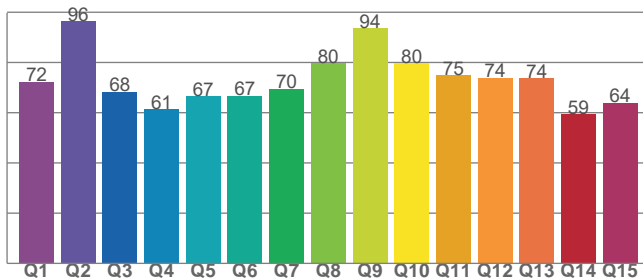
CIE 1931 - Zoom



CRI: 70.3 (R1-R8)



CQS: 71.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3249 K	0.428	0.414

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0056	0.414	0.240

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.3	-27.7	71.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
48	71.9	92.7

# Chromaticity Report

Maverick MK3 Spot: Full Power

## TM-30-18 Details

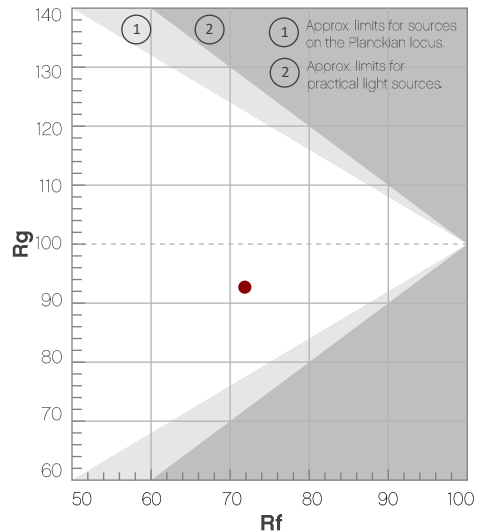
**Rf 71.9**

Fidelity Index  
(R<sub>f</sub>)

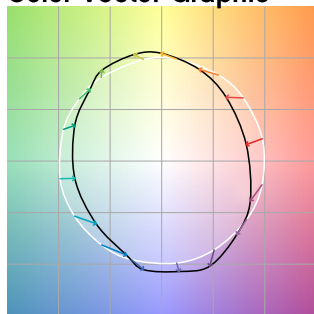
**Rg 92.7**

Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	67	-16%	-3%
2	68	-13%	10%
3	59	-6%	19%
4	72	3%	15%
5	84	7%	8%
6	86	6%	-5%
7	76	-3%	-13%
8	80	-10%	-6%
9	76	-14%	3%
10	58	-13%	18%
11	57	-5%	25%
12	75	7%	13%
13	84	8%	1%
14	76	11%	-12%
15	70	0%	-18%
16	70	-8%	-18%



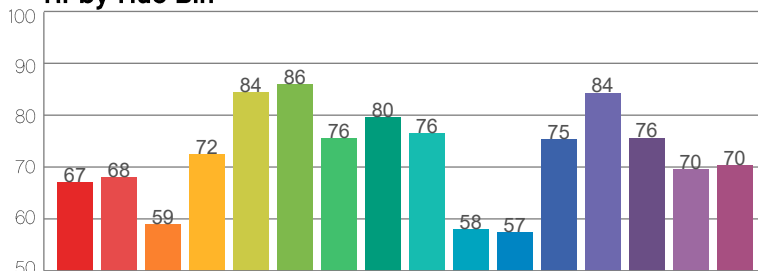
Color Vector Graphic



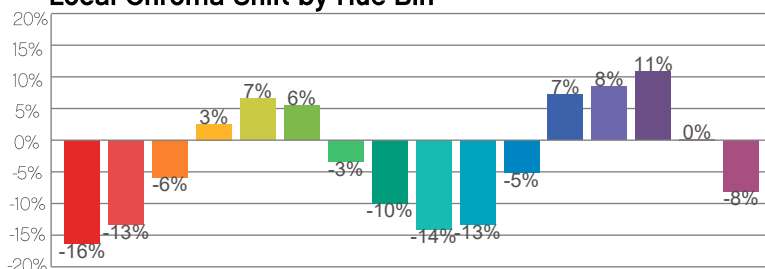
Color Distortion Graphic



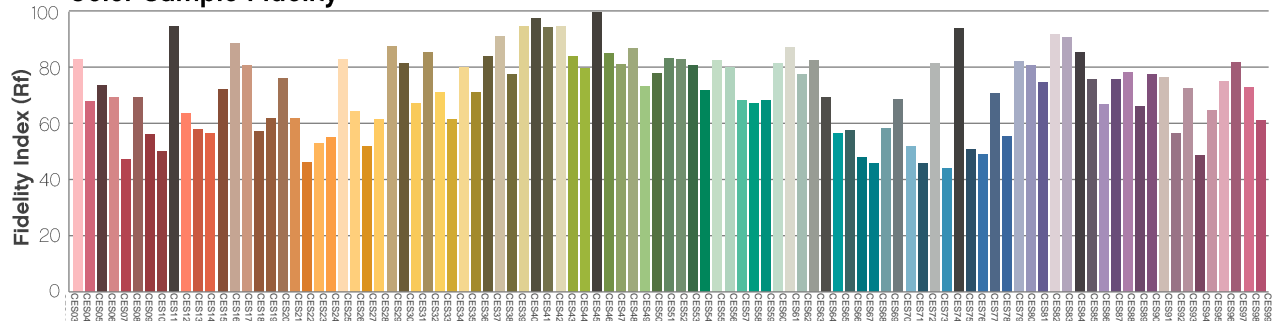
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity





# Chromaticity Report

Maverick MK3 Spot: Full Flood, Full Power

## Report Summary

### Measurements

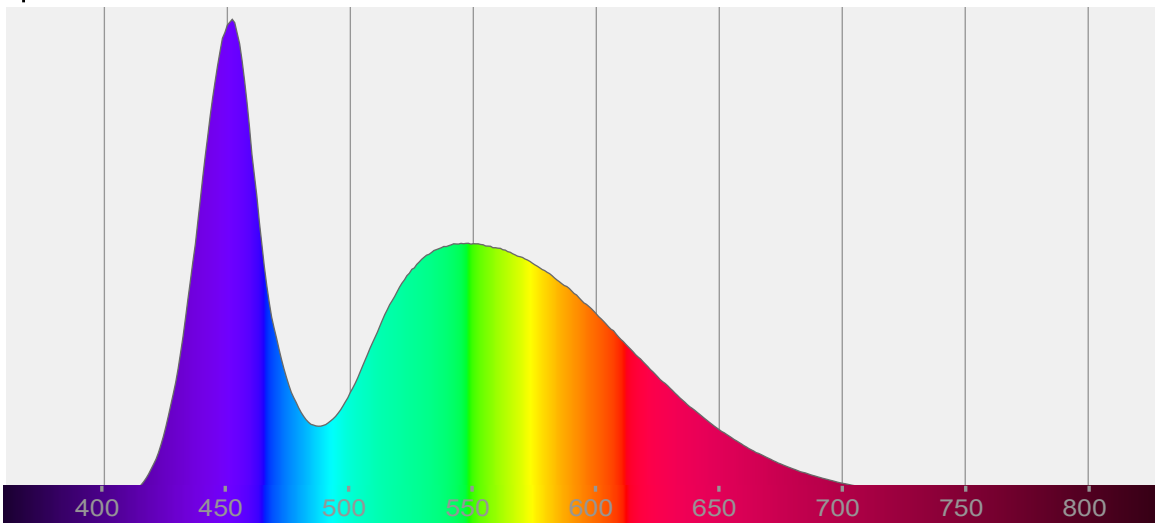
Total Lumens: 28023 lm  
Peak Intensity: 47990 cd  
Fixture Efficacy: 25 lm/W

Correlated Color Temperature: 7256K  
 $\Delta uv$ : 0.0016

CRI: 73.4      CRI R9 Value: -27.2  
CQS: 71.1  
TLCI: 52  
TM-30-18 Rf: 71.4  
TM-30-18 Rg: 92.1  
1<sup>st</sup> Dominant Wavelength: 452 nm  
2<sup>nd</sup> Dominant Wavelength: 548 nm



### Spectral Distribution



#### Tested Color

**7256 K**

CIE 1931 Coordinates:  
X: 0.302   Y: 0.321

#### Color Temperature

7256 K

#### Light Quality

CRI: 73.4

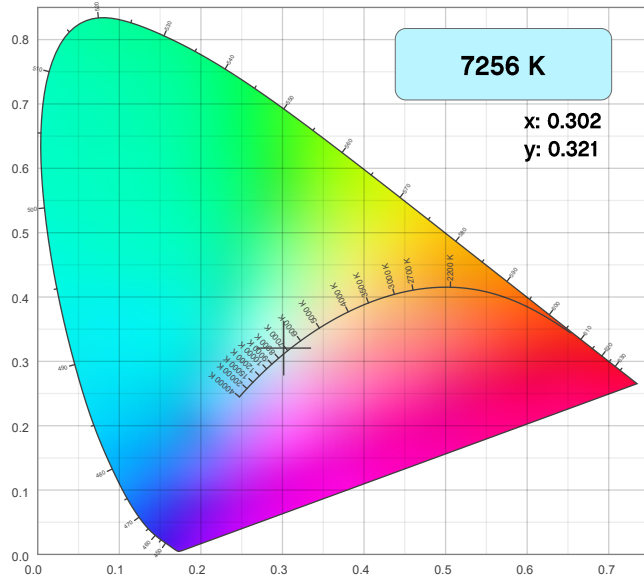
#### Notes:

# Chromaticity Report

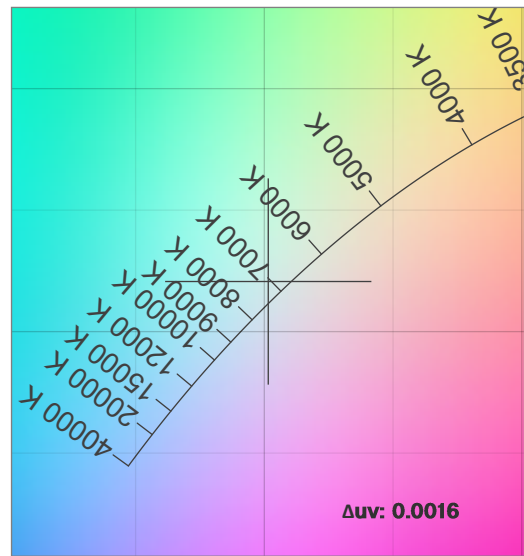
Maverick MK3 Spot: Full Flood, Full Power

## Chromaticity

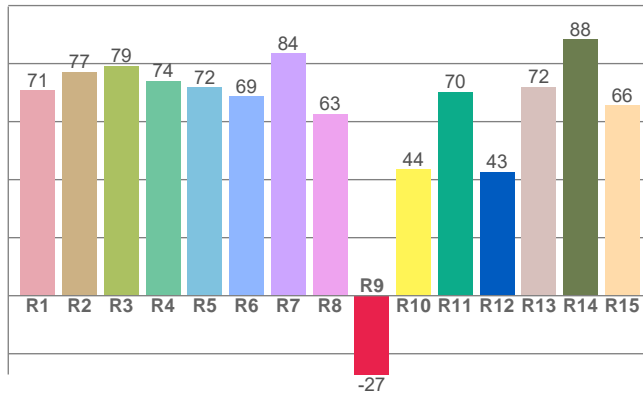
CIE 1931



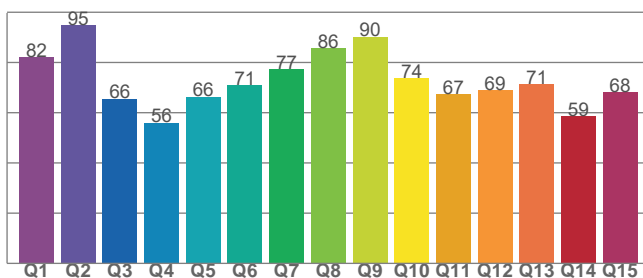
CIE 1931 - Zoom



CRI: 73.4 (R1-R8)



CQS: 71.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7256 K	0.302	0.321

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta_{uv}$	y	u
0.0016	0.321	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.4	-27.2	71.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
52	71.4	92.1

# Chromaticity Report

Maverick MK3 Spot: Full Flood, Full Power

## TM-30-18 Details

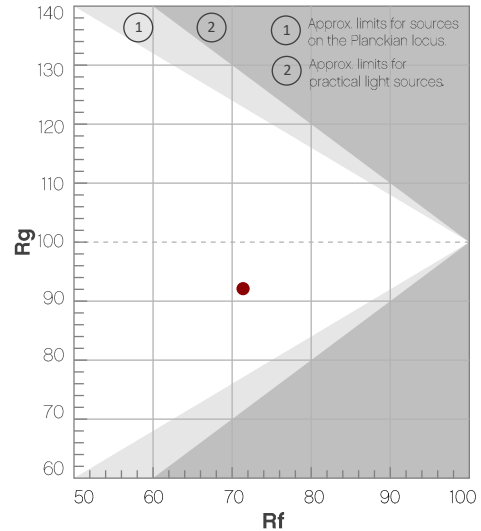
**Rf 71.4**

Fidelity Index  
(R<sub>f</sub>)

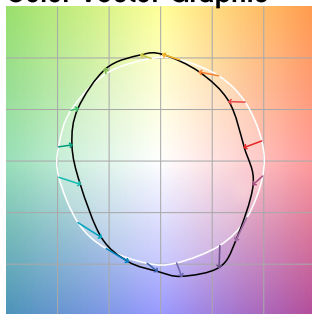
**Rg 92.1**

Gamut Index (R<sub>g</sub>)

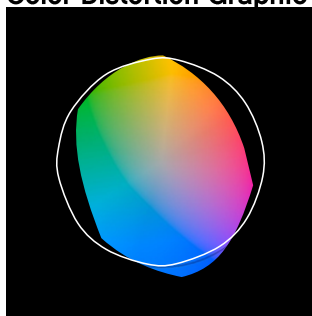
Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	63	-18%	-3%
2	68	-13%	9%
3	66	-7%	17%
4	69	2%	17%
5	78	5%	9%
6	88	4%	-3%
7	88	-5%	-5%
8	76	-12%	-4%
9	72	-19%	11%
10	59	-11%	25%
11	45	-1%	25%
12	75	6%	11%
13	81	14%	2%
14	72	17%	-12%
15	66	3%	-24%
16	75	-7%	-10%



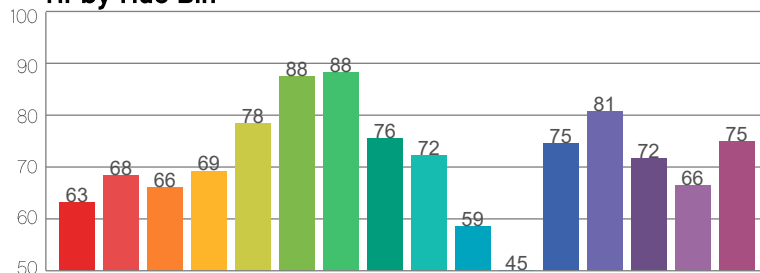
Color Vector Graphic



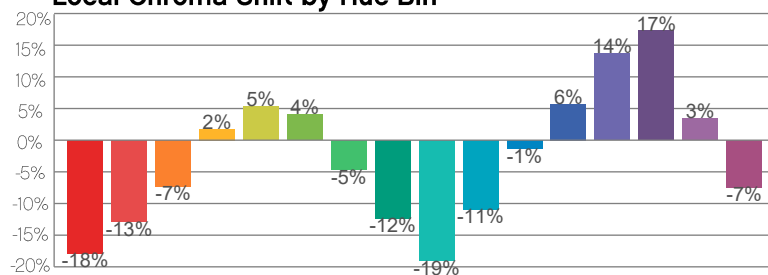
Color Distortion Graphic



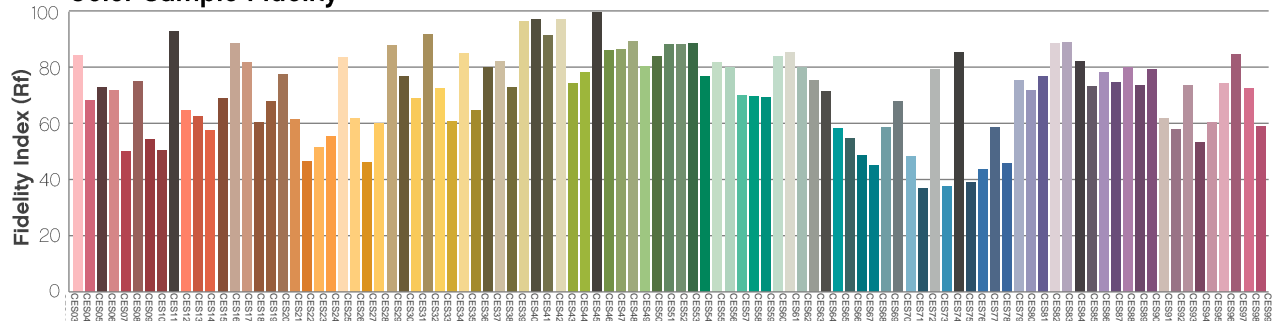
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: Full Flood w/CRI Filter, Full Power

## Report Summary

### Measurements

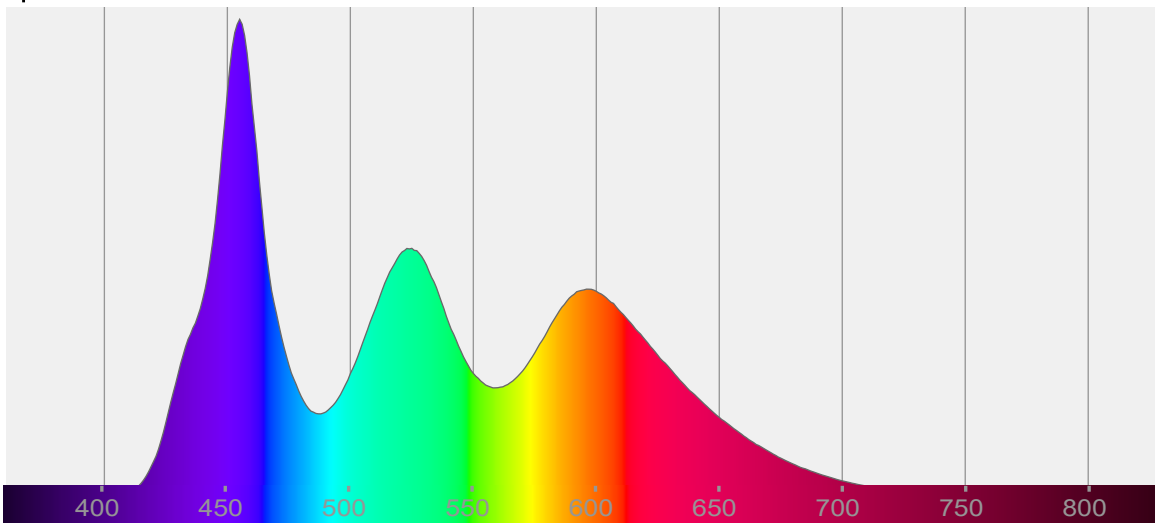
Total Lumens: 18116 lm  
Peak Intensity: 31044 cd  
Fixture Efficacy: 16 lm/W

Correlated Color Temperature: 7575K  
 $\Delta uv$ : -0.0111

CRI: 91.6      CRI R9 Value: 76.0  
CQS: 92.2  
TLCI: 84  
TM-30-18 Rf: 88.5  
TM-30-18 Rg: 104.4  
1<sup>st</sup> Dominant Wavelength: 455 nm  
2<sup>nd</sup> Dominant Wavelength: 525 nm



### Spectral Distribution



#### Tested Color

**7575 K**

CIE 1931 Coordinates:  
X: 0.303    Y: 0.298

#### Color Temperature

7575 K

#### Light Quality

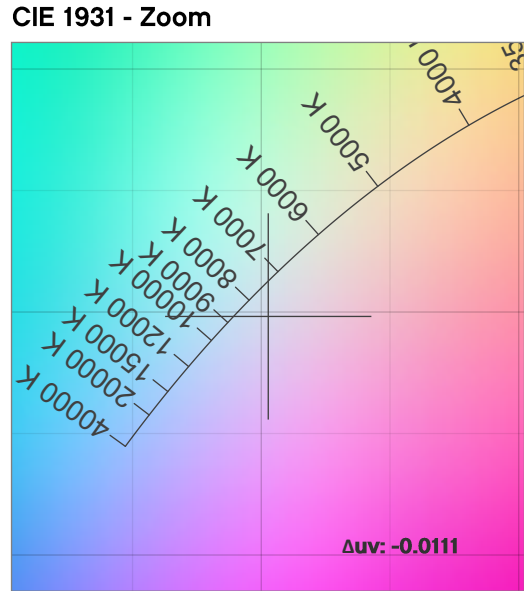
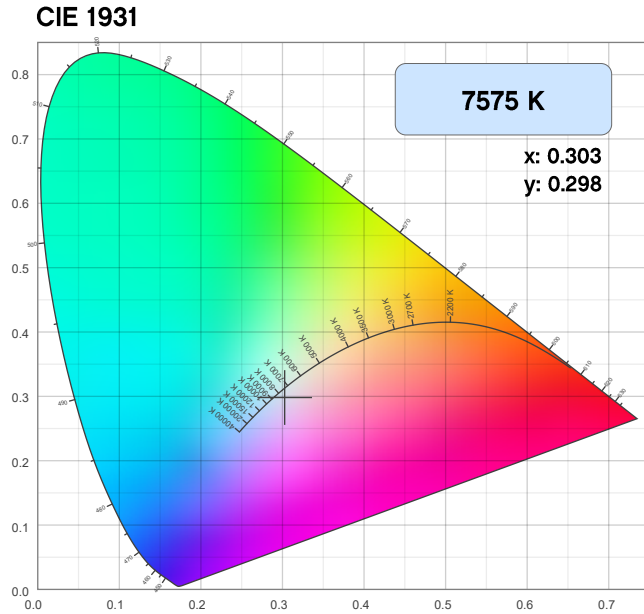
CRI: 91.6

#### Notes:

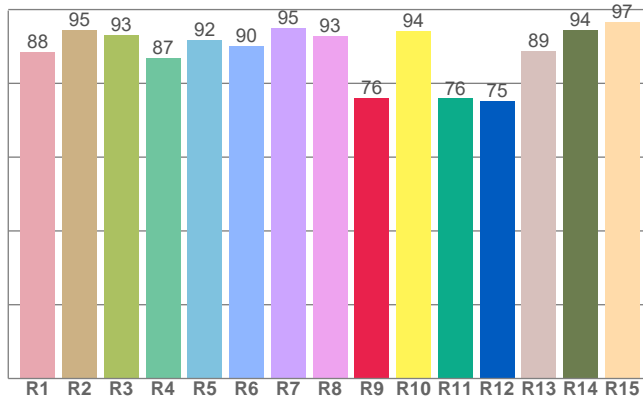
# Chromaticity Report

Maverick MK3 Spot: Full Flood w/CRI Filter, Full Power

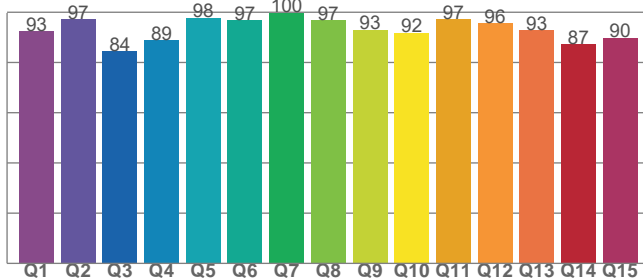
## Chromaticity



**CRI: 91.6 (R1-R8)**



**CQS: 92.2**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7575 K	0.303	0.298

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
-0.0111	0.298	0.203

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.6	76.0	92.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
84	88.5	104.4

# Chromaticity Report

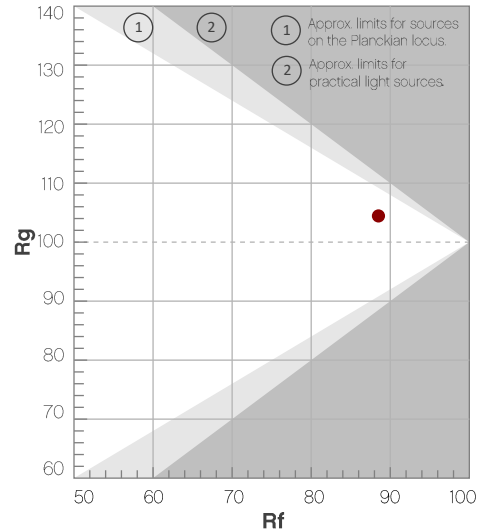
Maverick MK3 Spot: Full Flood w/CRI Filter, Full Power

## TM-30-18 Details

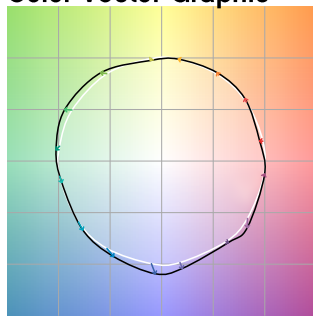
**Rf 88.5**  
Fidelity Index (R<sub>f</sub>)

**Rg 104.4**  
Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	89	-3%	1%
2	89	1%	4%
3	92	1%	3%
4	93	0%	2%
5	89	-2%	2%
6	89	4%	4%
7	88	6%	4%
8	89	3%	4%
9	88	-1%	6%
10	86	1%	9%
11	77	3%	10%
12	86	9%	6%
13	89	6%	1%
14	91	2%	1%
15	85	5%	-7%
16	92	0%	2%



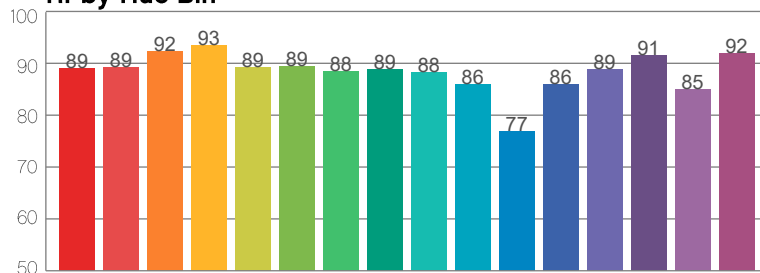
Color Vector Graphic



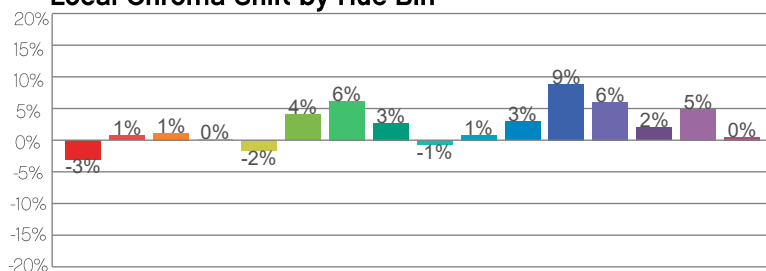
Color Distortion Graphic



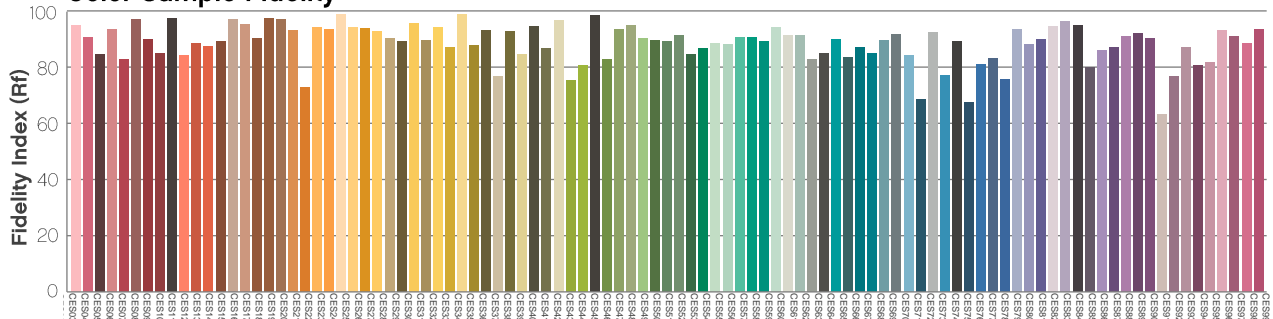
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: Full Flood w/CTO Filter, Full Power

## Report Summary

### Measurements

Total Lumens: 10550 lm

Peak Intensity: 18016 cd

Fixture Efficacy: 9 lm/W

Correlated Color Temperature: 3229K

$\Delta uv$ : 0.0054

CRI: 70.5      CRI R9 Value: -26.8

CQS: 71.4

TLCI: 48

TM-30-18 Rf: 72.0

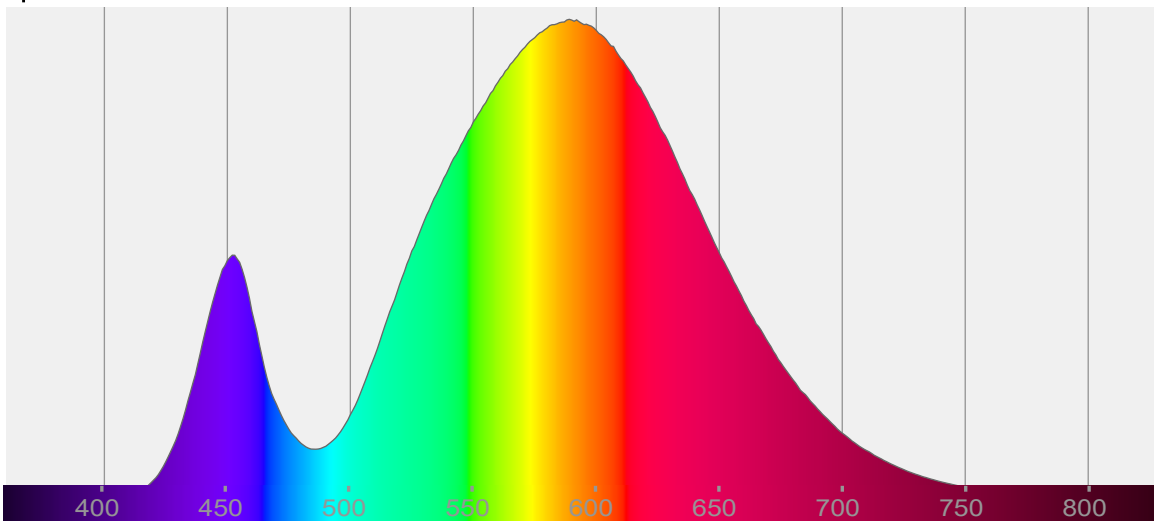
TM-30-18 Rg: 92.8

1<sup>st</sup> Dominant Wavelength: 589 nm

2<sup>nd</sup> Dominant Wavelength: 452 nm



### Spectral Distribution



#### Tested Color

**3229 K**

CIE 1931 Coordinates:

X: 0.429    Y: 0.414

#### Color Temperature

3229 K

#### Light Quality

CRI: 70.5

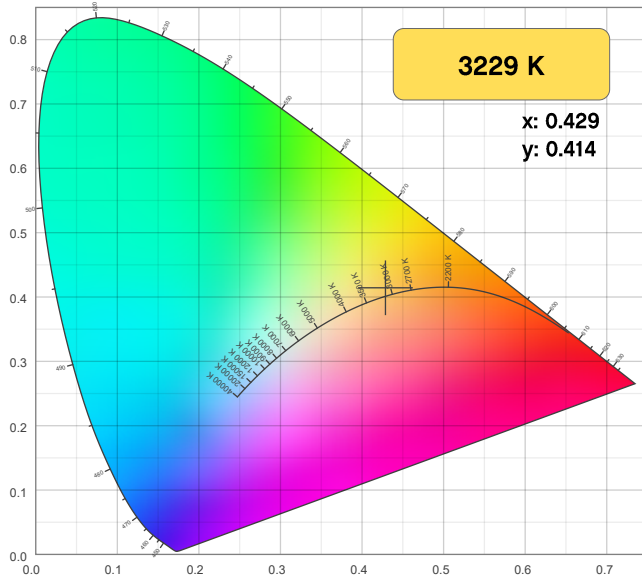
#### Notes:

# Chromaticity Report

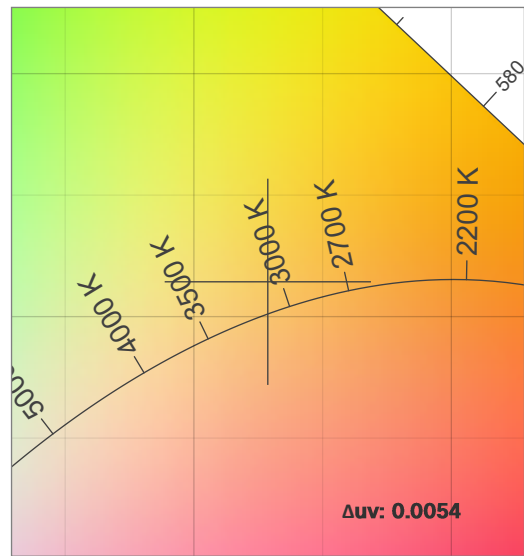
Maverick MK3 Spot: Full Flood w/CTO Filter, Full Power

## Chromaticity

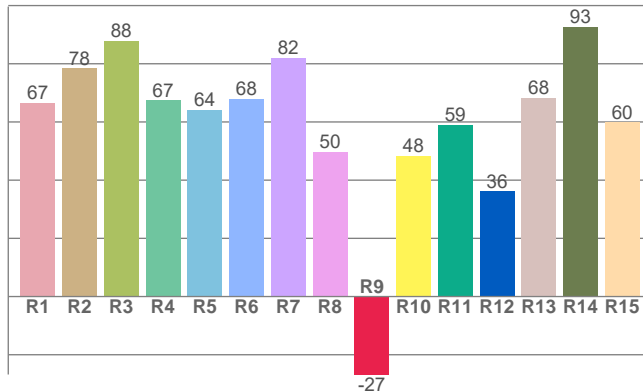
CIE 1931



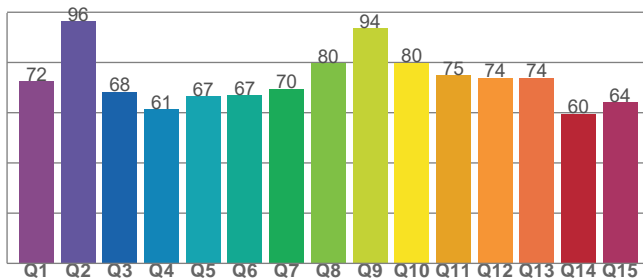
CIE 1931 - Zoom



CRI: 70.5 (R1-R8)



CQS: 71.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3229 K	0.429	0.414

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta_{uv}$	y	u
0.0054	0.414	0.241

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.5	-26.8	71.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
48	72.0	92.8



# Chromaticity Report

Maverick MK3 Spot: Full Flood w/CTO Filter, Full Power

## TM-30-18 Details

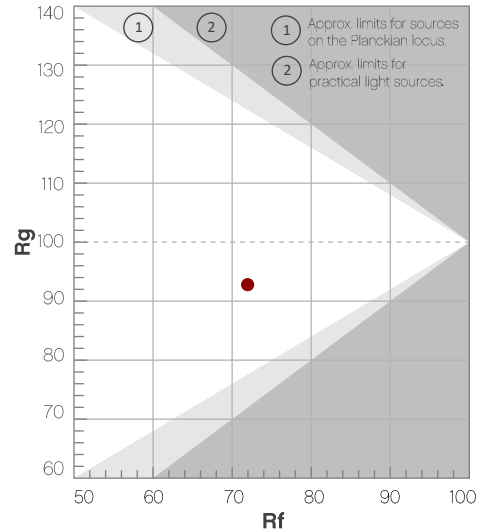
**Rf 72.0**

Fidelity Index  
(R<sub>f</sub>)

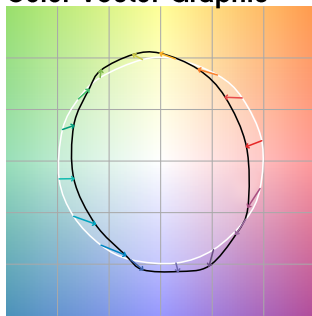
**Rg 92.8**

Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	68	-16%	-3%
2	68	-13%	10%
3	59	-6%	19%
4	73	3%	15%
5	85	7%	8%
6	86	6%	-5%
7	76	-3%	-13%
8	80	-10%	-6%
9	77	-14%	3%
10	58	-13%	18%
11	58	-5%	25%
12	76	7%	13%
13	84	8%	0%
14	76	11%	-12%
15	70	0%	-17%
16	70	-8%	-20%



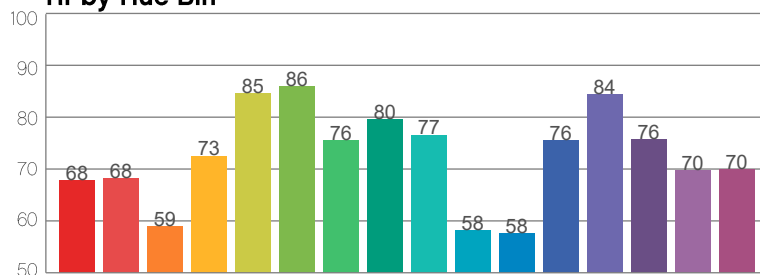
Color Vector Graphic



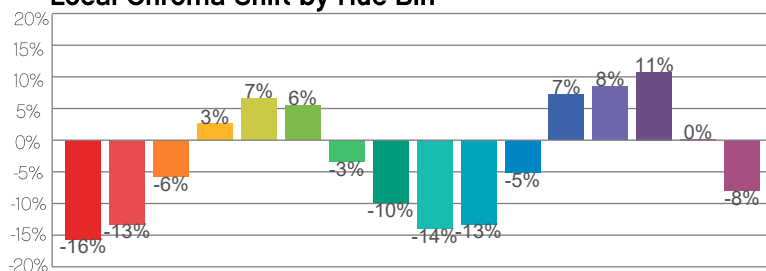
Color Distortion Graphic



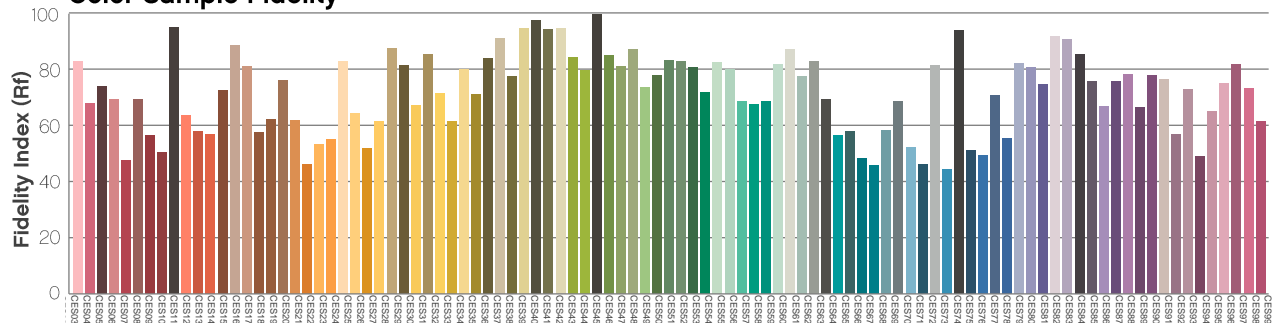
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: Full Spot, Full Power

## Report Summary

### Measurements

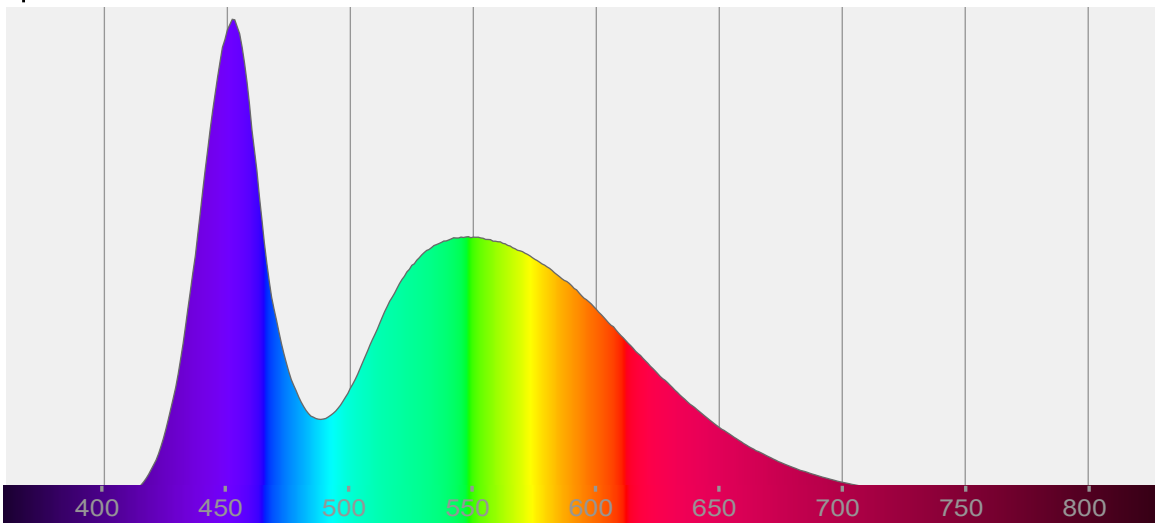
Total Lumens: 13175 lm  
Peak Intensity: 1423620 cd  
Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 7207K  
 $\Delta uv$ : 0.0022

CRI: 73.8      CRI R9 Value: -27.1  
CQS: 71.4  
TLCI: 52  
TM-30-18 Rf: 72.0  
TM-30-18 Rg: 91.6  
1<sup>st</sup> Dominant Wavelength: 452 nm  
2<sup>nd</sup> Dominant Wavelength: 548 nm



### Spectral Distribution



#### Tested Color

**7207 K**  
CIE 1931 Coordinates:  
X: 0.302   Y: 0.322

#### Color Temperature

7207 K

#### Light Quality

CRI: 73.8

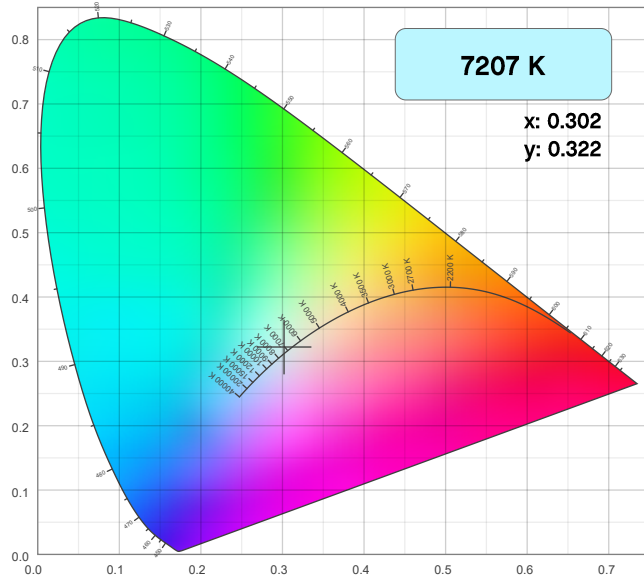
#### Notes:

# Chromaticity Report

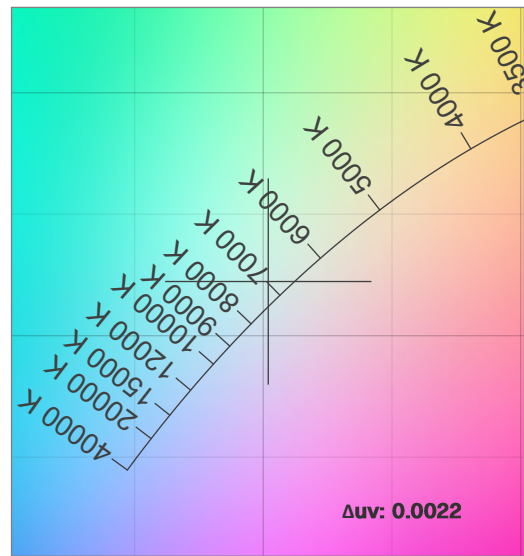
Maverick MK3 Spot: Full Spot, Full Power

## Chromaticity

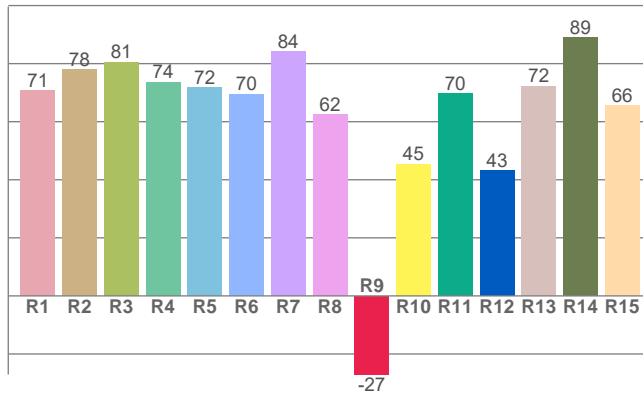
CIE 1931



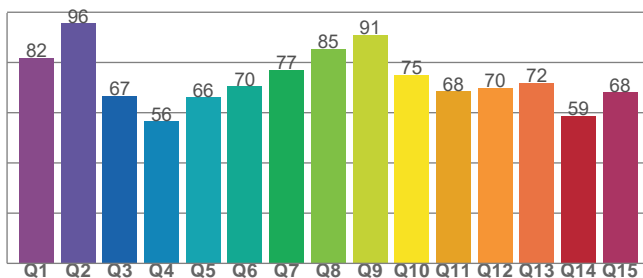
CIE 1931 - Zoom



CRI: 73.8 (R1-R8)



CQS: 71.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7207 K	0.302	0.322

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta_{uv}$	y	u
0.0022	0.322	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.8	-27.1	71.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
52	72.0	91.6

# Chromaticity Report

Maverick MK3 Spot: Full Spot, Full Power

## TM-30-18 Details

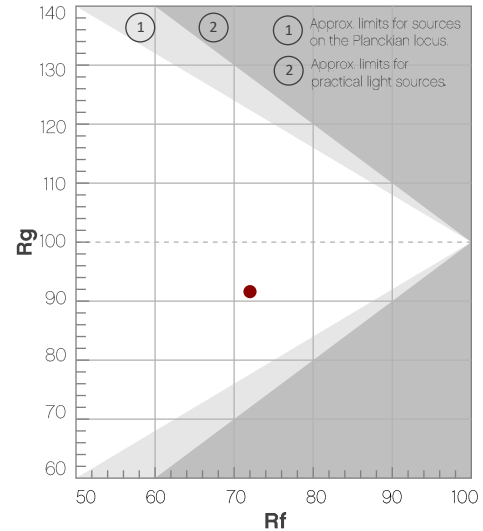
**Rf 72.0**

Fidelity Index  
(R<sub>f</sub>)

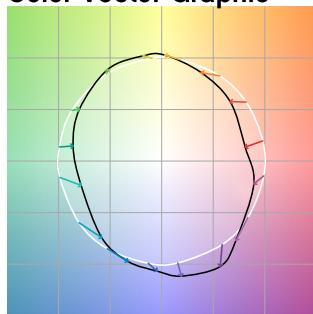
**Rg 91.6**

Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	63	-18%	-3%
2	69	-13%	9%
3	67	-7%	17%
4	71	1%	16%
5	80	4%	8%
6	88	3%	-3%
7	88	-5%	-5%
8	75	-13%	-4%
9	72	-19%	12%
10	59	-10%	24%
11	47	-1%	24%
12	76	6%	10%
13	81	13%	1%
14	71	17%	-13%
15	66	3%	-25%
16	75	-8%	-9%



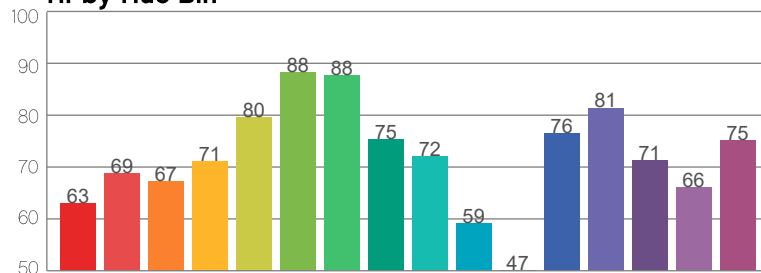
Color Vector Graphic



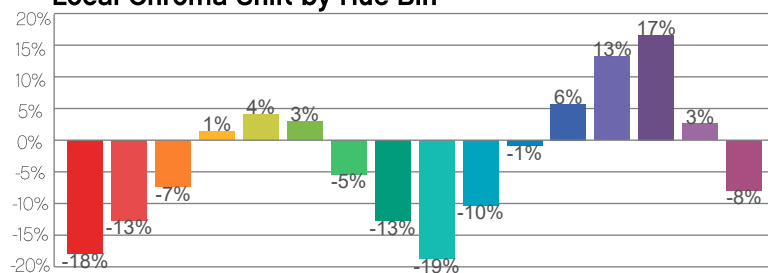
Color Distortion Graphic



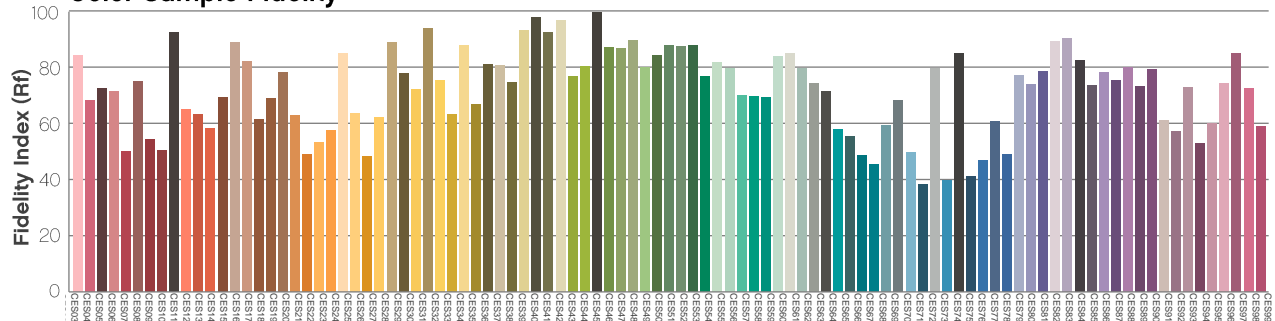
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: Full Spot w/CRI Filter, Full Power

## Report Summary

### Measurements

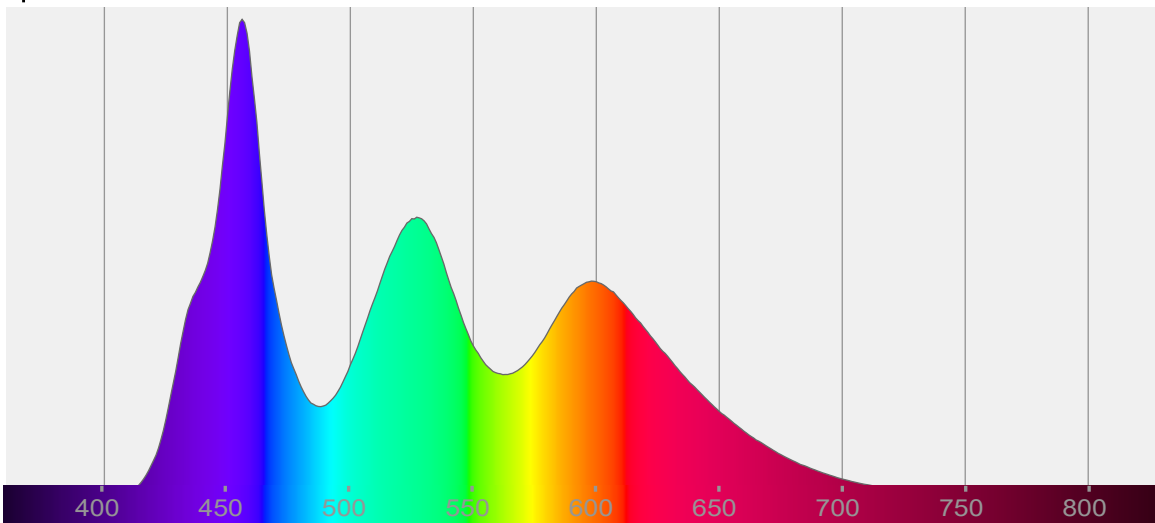
Total Lumens: 9025 lm  
Peak Intensity: 975263 cd  
Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 7503K  
 $\Delta uv$ : -0.0052

CRI: 93.2      CRI R9 Value: 70.5  
CQS: 92.6  
TLCI: 86  
TM-30-18 Rf: 89.5  
TM-30-18 Rg: 102.9  
1<sup>st</sup> Dominant Wavelength: 456 nm  
2<sup>nd</sup> Dominant Wavelength: 527 nm



### Spectral Distribution



#### Tested Color

**7503 K**

CIE 1931 Coordinates:  
X: 0.301    Y: 0.307

#### Color Temperature

7503 K

#### Light Quality

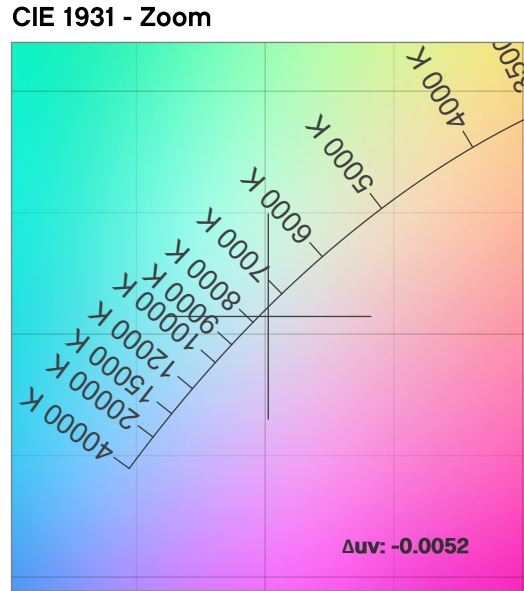
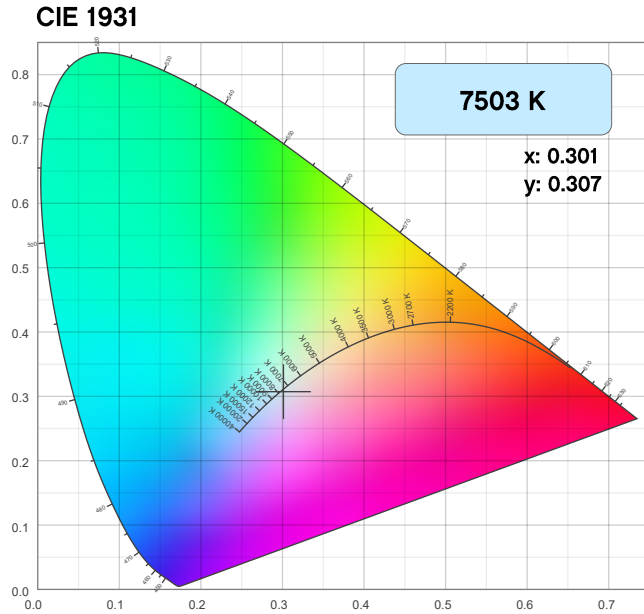
CRI: 93.2

#### Notes:

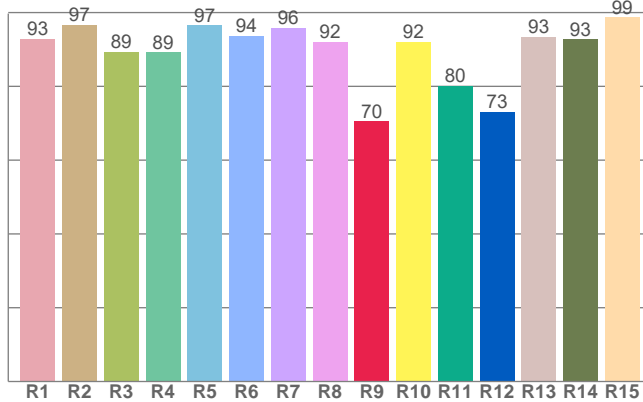
# Chromaticity Report

Maverick MK3 Spot: Full Spot w/CRI Filter, Full Power

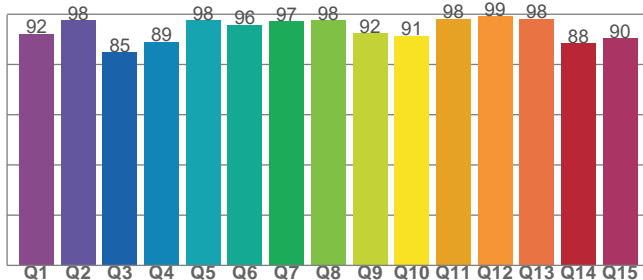
## Chromaticity



**CRI: 93.2 (R1-R8)**



**CQS: 92.6**



**Color Parameters**

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7503 K	0.301	0.307

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0052	0.307	0.198

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.2	70.5	92.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
86	89.5	102.9

# Chromaticity Report

Maverick MK3 Spot: Full Spot w/CRI Filter, Full Power

## TM-30-18 Details

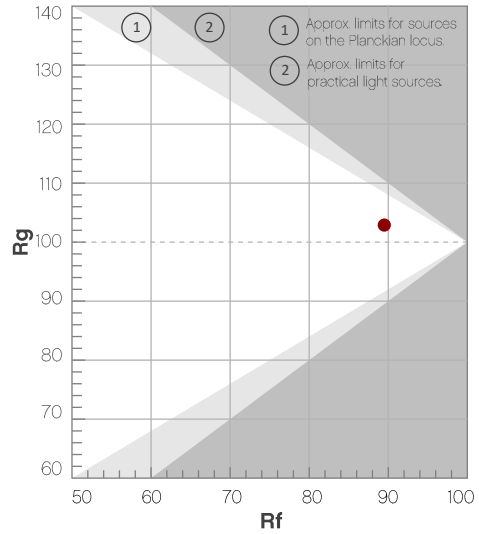
**Rf 89.5**

Fidelity Index  
(R<sub>f</sub>)

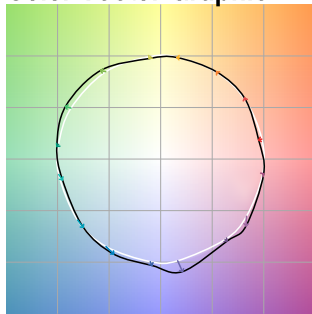
**Rg 102.9**

Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	90	-3%	0%
2	93	1%	2%
3	94	0%	2%
4	93	0%	3%
5	89	-2%	2%
6	90	4%	3%
7	91	5%	2%
8	93	1%	2%
9	90	-3%	6%
10	86	-1%	9%
11	77	2%	10%
12	92	3%	2%
13	85	11%	2%
14	92	2%	1%
15	85	5%	-8%
16	94	1%	1%



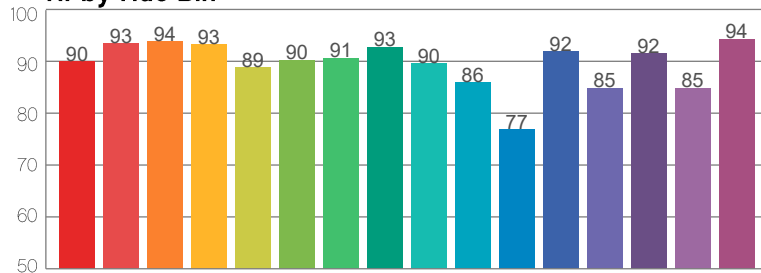
Color Vector Graphic



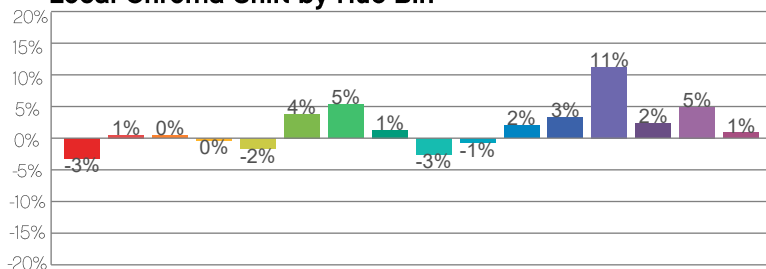
Color Distortion Graphic



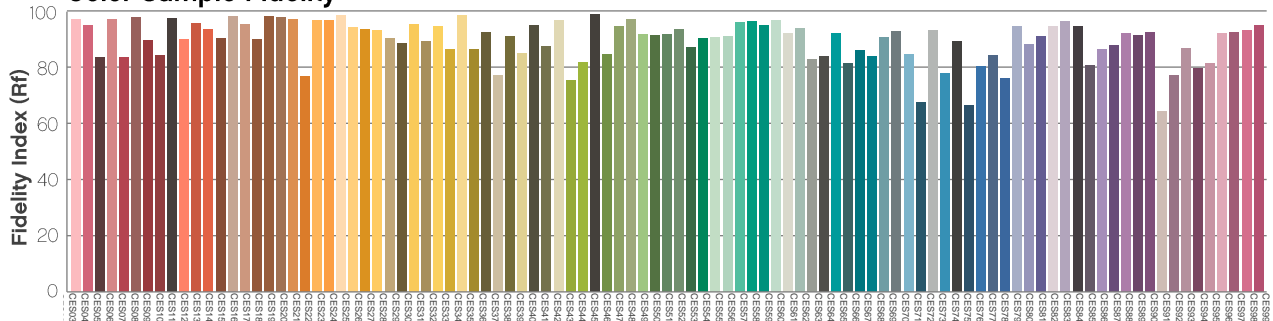
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: Full Spot w/CTO Filter, Full Power

## Report Summary

### Measurements

Total Lumens: 5172 lm

Peak Intensity: 547103 cd

Fixture Efficacy: 5 lm/W

Correlated Color Temperature: 3244K

$\Delta uv$ : 0.0061

CRI: 70.4      CRI R9 Value: -26.9

CQS: 71.6

TLCI: 49

TM-30-18 Rf: 72.2

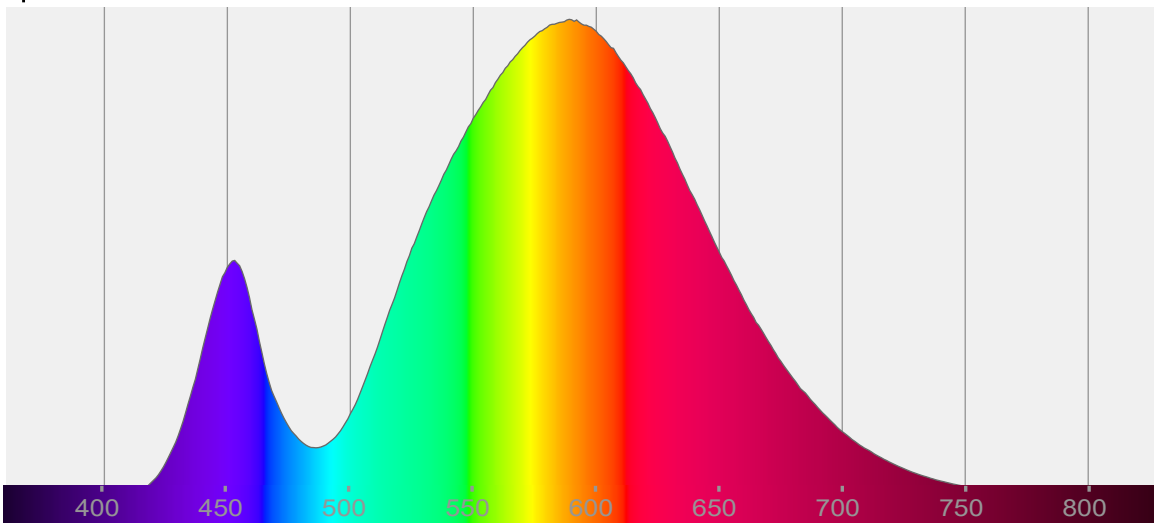
TM-30-18 Rg: 92.4

1<sup>st</sup> Dominant Wavelength: 589 nm

2<sup>nd</sup> Dominant Wavelength: 453 nm



### Spectral Distribution



#### Tested Color

**3244 K**

CIE 1931 Coordinates:

X: 0.429    Y: 0.416

#### Color Temperature

3244 K

#### Light Quality

CRI: 70.4

#### Notes:

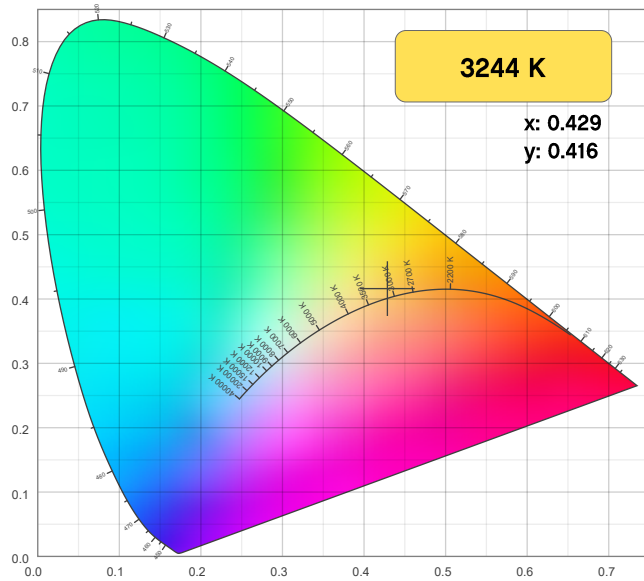


# Chromaticity Report

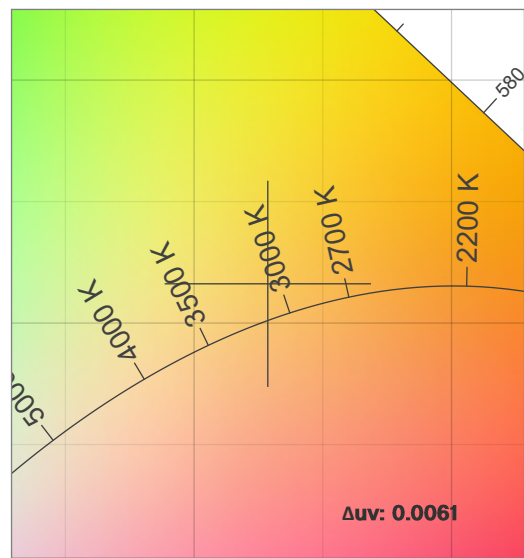
Maverick MK3 Spot: Full Spot w/CTO Filter, Full Power

## Chromaticity

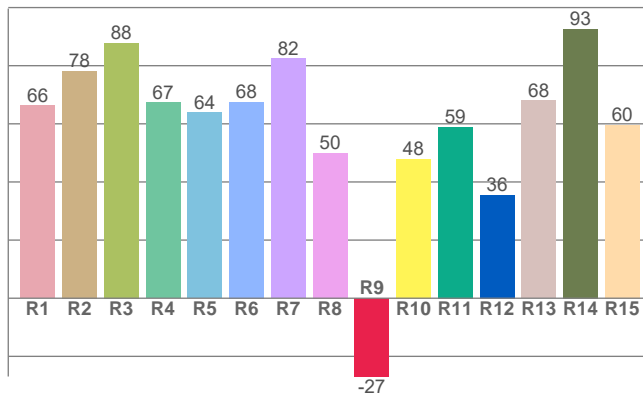
CIE 1931



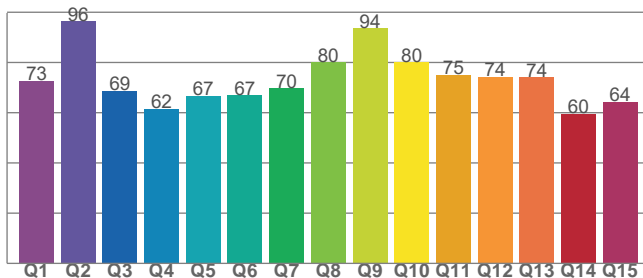
CIE 1931 - Zoom



CRI: 70.4 (R1-R8)



CQS: 71.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3244 K	0.429	0.416

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
0.0061	0.416	0.240

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.4	-26.9	71.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
49	72.2	92.4

# Chromaticity Report

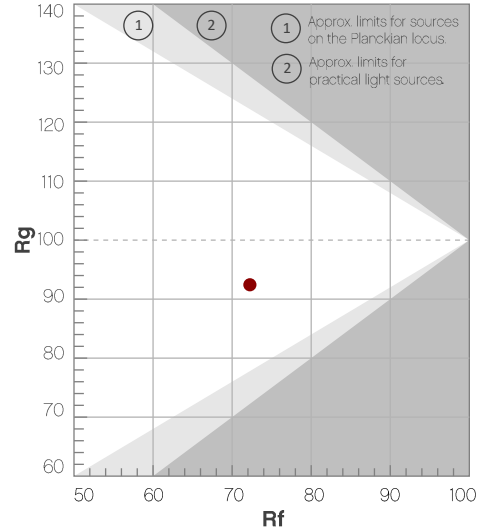
Maverick MK3 Spot: Full Spot w/CTO Filter, Full Power

## TM-30-18 Details

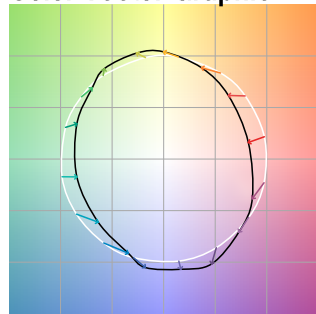
**Rf 72.2**  
Fidelity Index (R<sub>f</sub>)

**Rg 92.4**  
Gamut Index (R<sub>g</sub>)

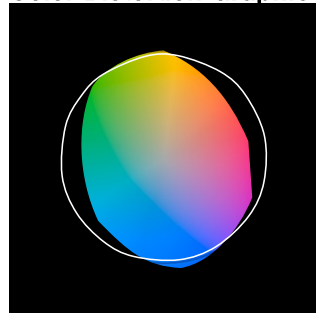
Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	67	-16%	-2%
2	68	-13%	9%
3	60	-6%	18%
4	73	2%	15%
5	85	6%	8%
6	87	5%	-5%
7	76	-4%	-13%
8	80	-10%	-5%
9	77	-14%	3%
10	58	-13%	18%
11	58	-5%	25%
12	76	7%	13%
13	85	8%	0%
14	76	11%	-12%
15	70	0%	-17%
16	70	-8%	-17%



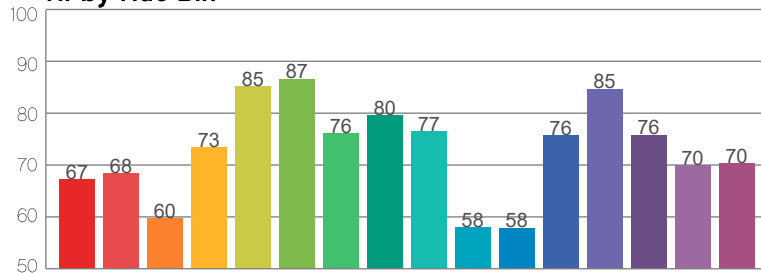
Color Vector Graphic



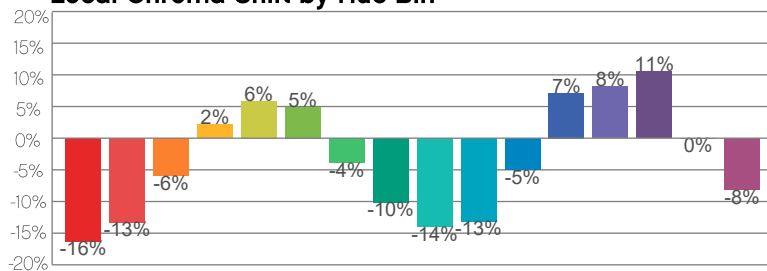
Color Distortion Graphic



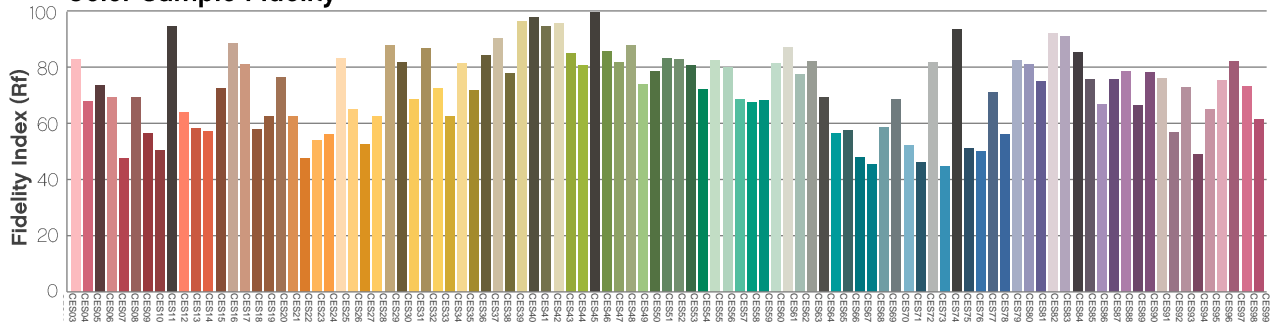
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: 50% Zoom, Full Power

## Report Summary

### Measurements

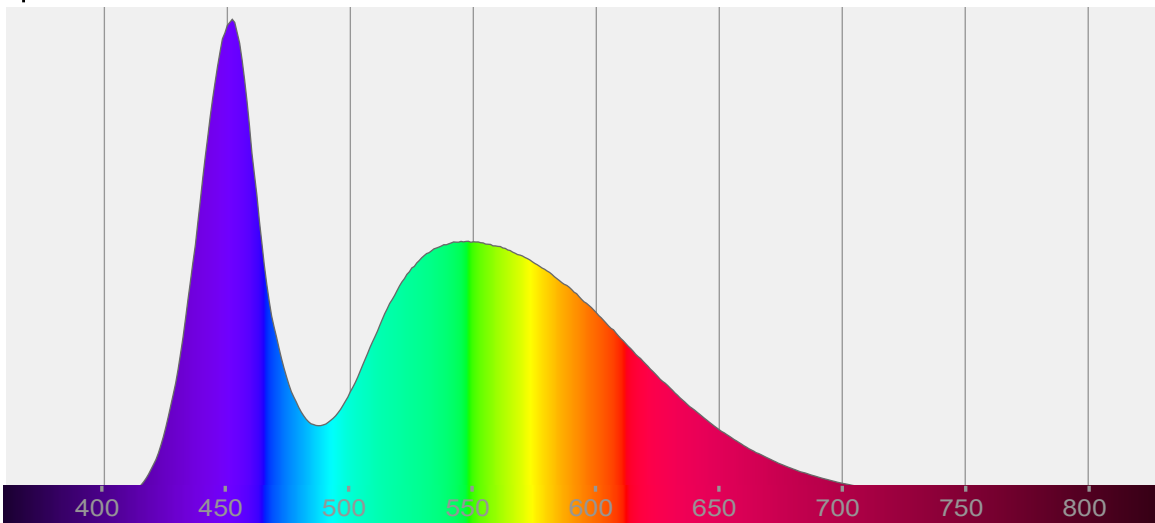
Total Lumens: 28016 lm  
Peak Intensity: 287414 cd  
Fixture Efficacy: 25 lm/W

Correlated Color Temperature: 7229K  
 $\Delta uv$ : 0.0019

CRI: 73.3      CRI R9 Value: -28.4  
CQS: 71.0  
TLCI: 52  
TM-30-18 Rf: 71.3  
TM-30-18 Rg: 92.0  
1<sup>st</sup> Dominant Wavelength: 452 nm  
2<sup>nd</sup> Dominant Wavelength: 548 nm



### Spectral Distribution



#### Tested Color

**7229 K**

CIE 1931 Coordinates:  
X: 0.302   Y: 0.321

#### Color Temperature

7229 K

#### Light Quality

CRI: 73.3

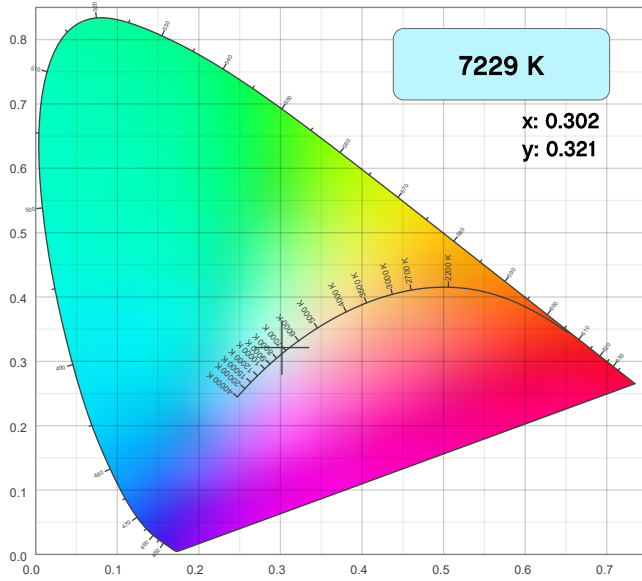
#### Notes:

# Chromaticity Report

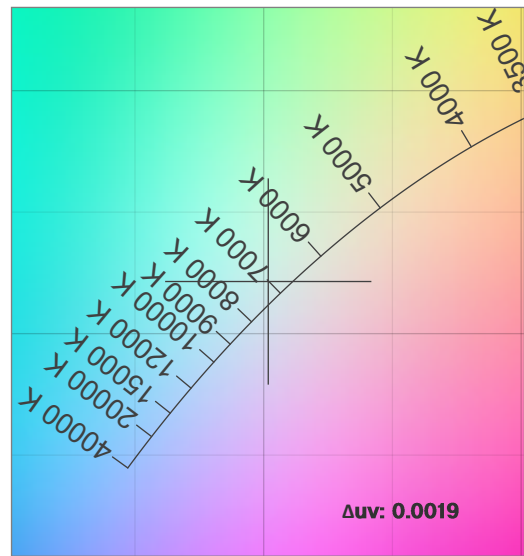
Maverick MK3 Spot: 50% Zoom, Full Power

## Chromaticity

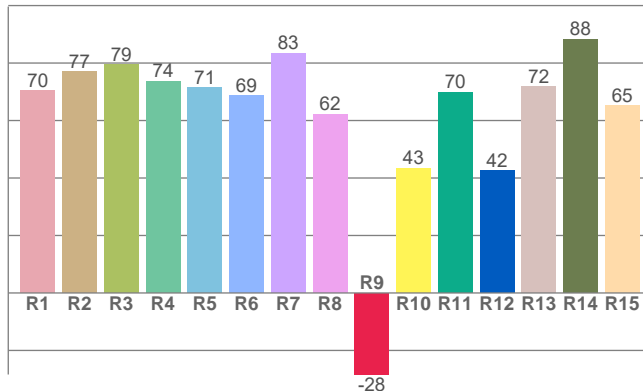
CIE 1931



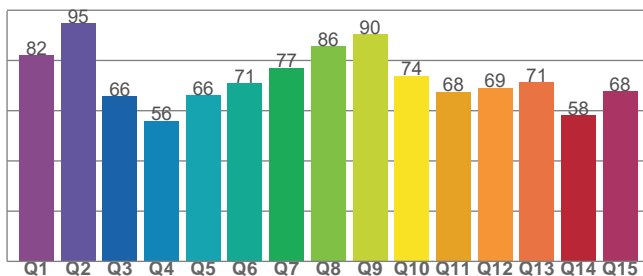
CIE 1931 - Zoom



CRI: 73.3 (R1-R8)



CQS: 71.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7229 K	0.302	0.321

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0019	0.321	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
73.3	-28.4	71.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
52	71.3	92.0

# Chromaticity Report

Maverick MK3 Spot: 50% Zoom, Full Power

## TM-30-18 Details

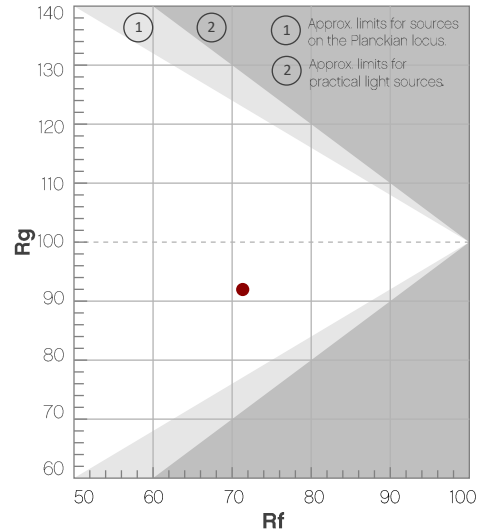
**Rf 71.3**

Fidelity Index  
(R<sub>f</sub>)

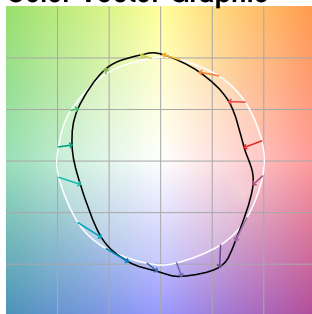
**Rg 92.0**

Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	63	-18%	-3%
2	68	-13%	9%
3	66	-7%	17%
4	69	2%	17%
5	78	5%	9%
6	88	4%	-3%
7	88	-5%	-5%
8	75	-12%	-4%
9	72	-19%	11%
10	59	-11%	25%
11	45	-1%	25%
12	75	6%	11%
13	81	14%	2%
14	72	17%	-13%
15	66	3%	-25%
16	75	-8%	-10%



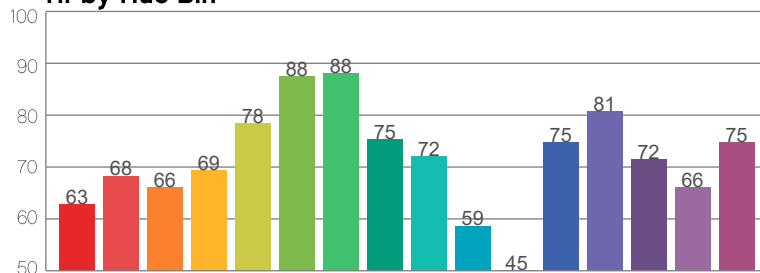
Color Vector Graphic



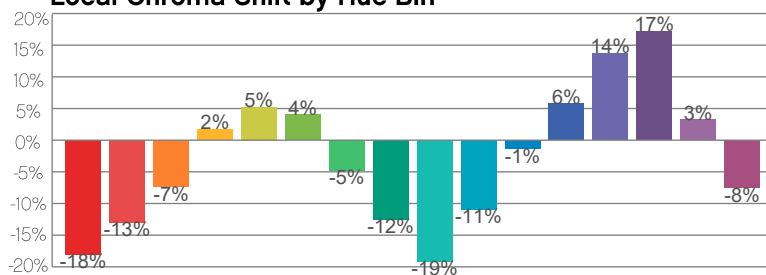
Color Distortion Graphic



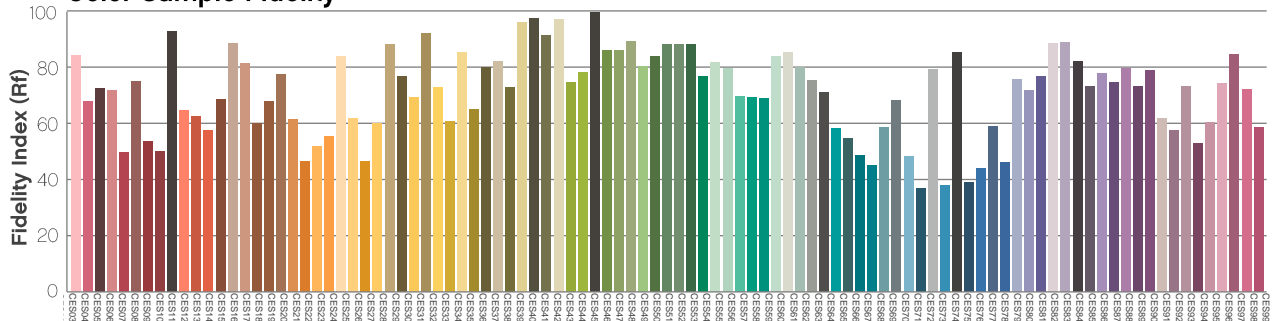
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Spot: 50% Zoom w/CRI Filter, Full Power

## Report Summary

### Measurements

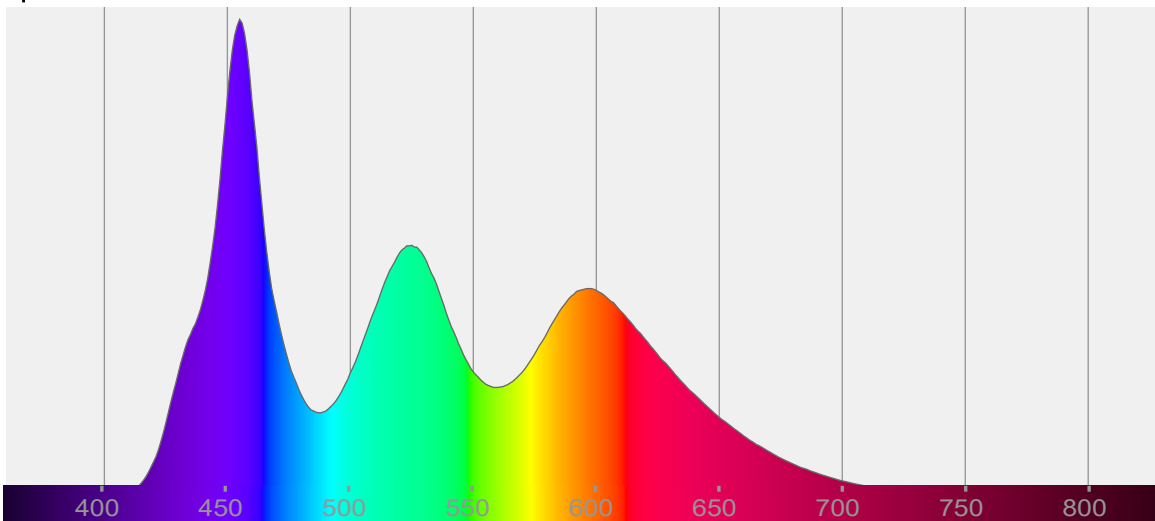
Total Lumens: 18049 lm  
Peak Intensity: 184919 cd  
Fixture Efficacy: 16 lm/W

Correlated Color Temperature: 7565K  
 $\Delta uv$ : -0.0104

CRI: 91.8      CRI R9 Value: 75.5  
CQS: 92.4  
TLCI: 85  
TM-30-18 Rf: 88.7  
TM-30-18 Rg: 104.3  
1<sup>st</sup> Dominant Wavelength: 455 nm  
2<sup>nd</sup> Dominant Wavelength: 525 nm



### Spectral Distribution



#### Tested Color

**7565 K**

CIE 1931 Coordinates:  
X: 0.303    Y: 0.299

#### Color Temperature

7565 K

#### Light Quality

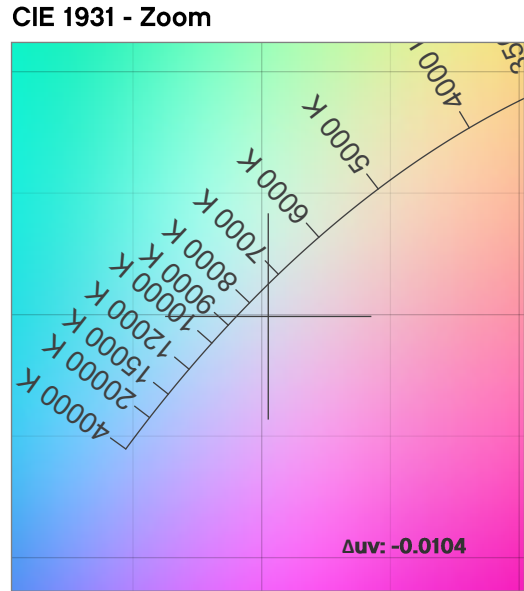
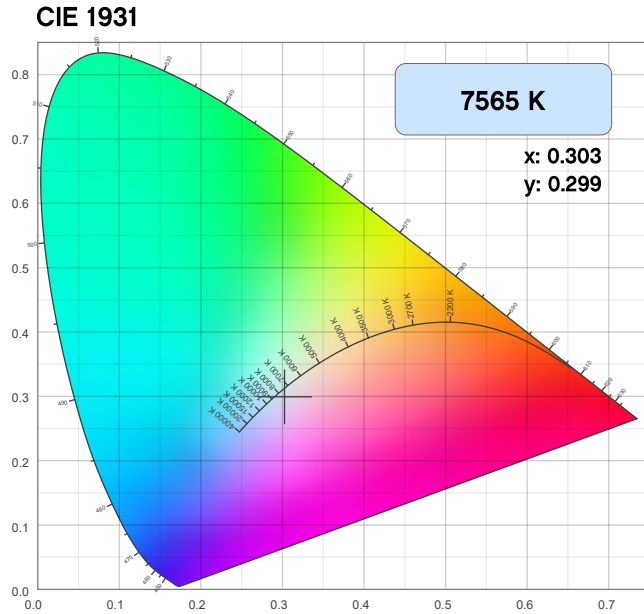
CRI: 91.8

#### Notes:

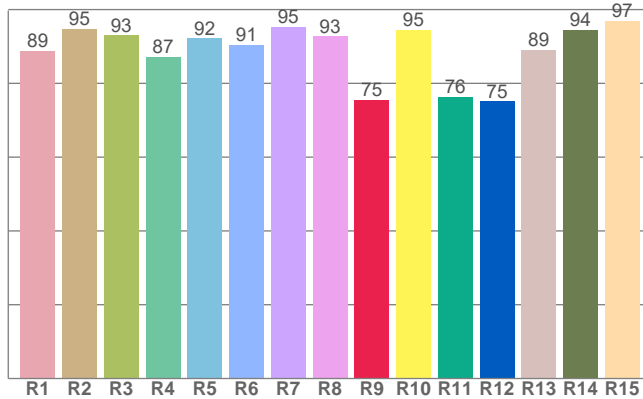
# Chromaticity Report

Maverick MK3 Spot: 50% Zoom w/CRI Filter, Full Power

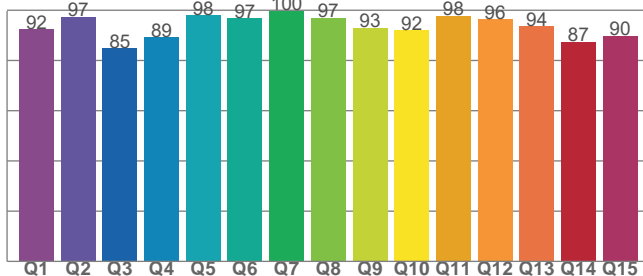
## Chromaticity



### CRI: 91.8 (R1-R8)



### CQS: 92.4



### Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7565 K	0.303	0.299

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0104	0.299	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.8	75.5	92.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
85	88.7	104.3

# Chromaticity Report

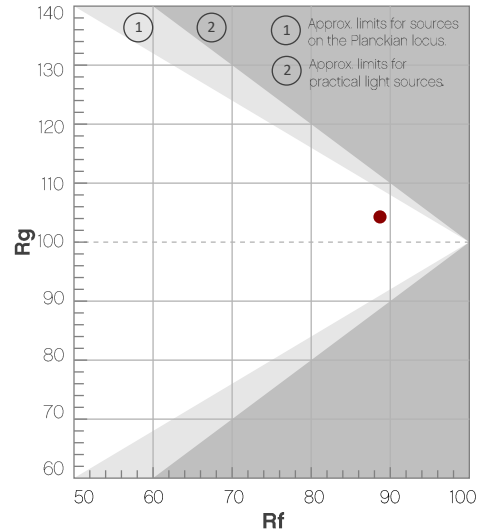
Maverick MK3 Spot: 50% Zoom w/CRI Filter, Full Power

## TM-30-18 Details

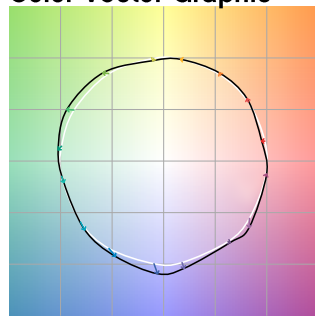
**Rf 88.7**  
Fidelity Index (R<sub>f</sub>)

**Rg 104.3**  
Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	89	-3%	1%
2	90	1%	3%
3	93	1%	2%
4	94	0%	2%
5	89	-2%	1%
6	90	4%	4%
7	89	6%	4%
8	89	3%	4%
9	88	-1%	6%
10	86	1%	9%
11	77	3%	10%
12	86	9%	5%
13	89	6%	1%
14	92	2%	1%
15	85	5%	-8%
16	92	0%	2%



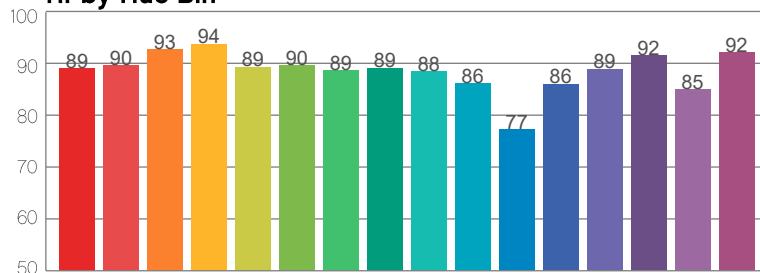
Color Vector Graphic



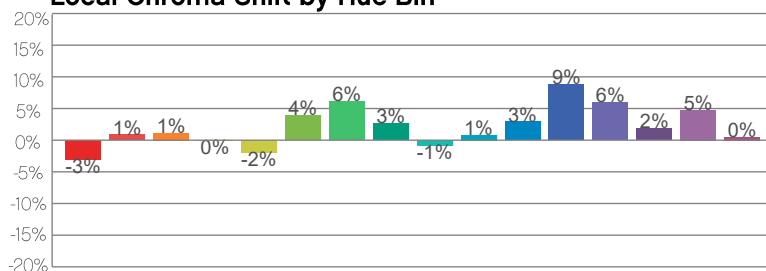
Color Distortion Graphic



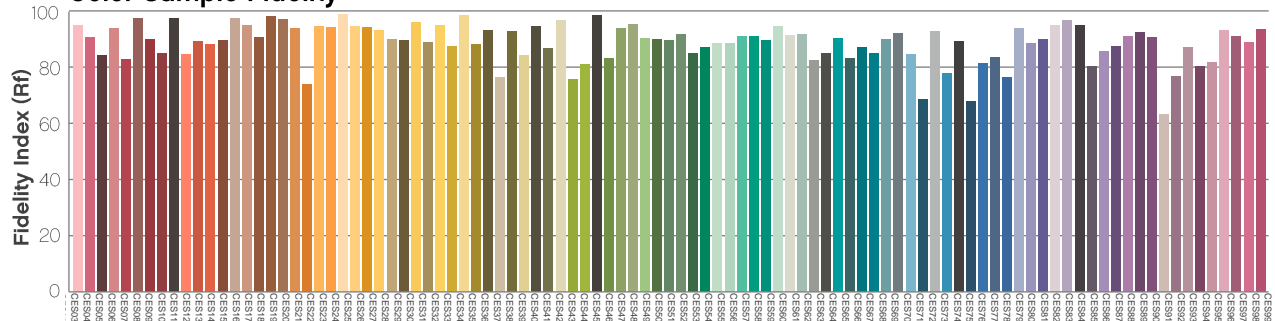
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity





# Chromaticity Report

Maverick MK3 Spot: 50% Zoom w/CTO Filter, Full Power

## Report Summary

### Measurements

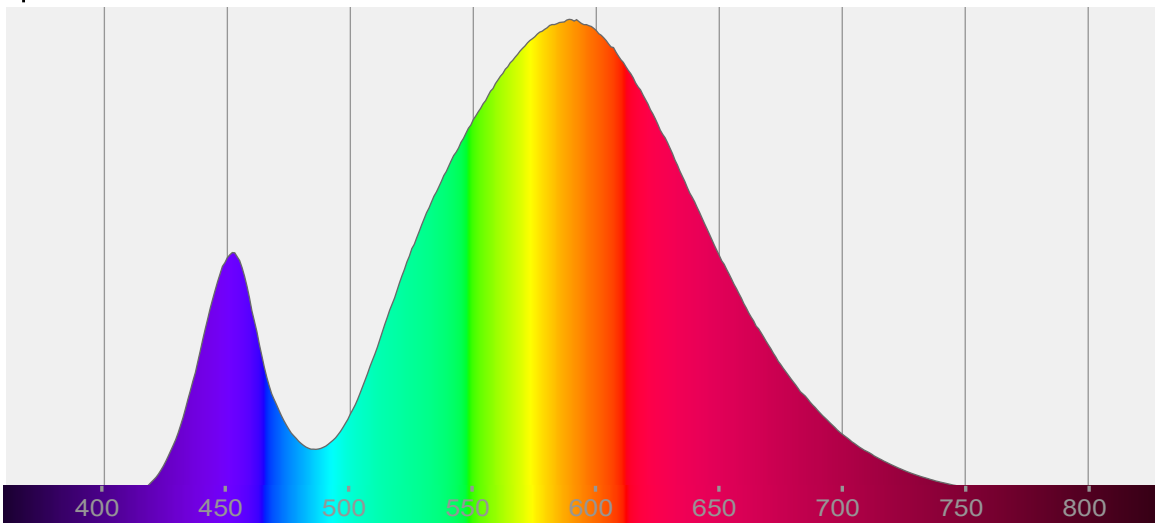
Total Lumens: 10679 lm  
Peak Intensity: 108701 cd  
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 3249K  
 $\Delta uv$ : 0.0056

CRI: 70.3      CRI R9 Value: -27.7  
CQS: 71.3  
TLCI: 48  
TM-30-18 Rf: 71.9  
TM-30-18 Rg: 92.7  
1<sup>st</sup> Dominant Wavelength: 589 nm  
2<sup>nd</sup> Dominant Wavelength: 452 nm



### Spectral Distribution



#### Tested Color

**3249 K**  
CIE 1931 Coordinates:  
X: 0.428    Y: 0.414

#### Color Temperature

3249 K

#### Light Quality

CRI: 70.3

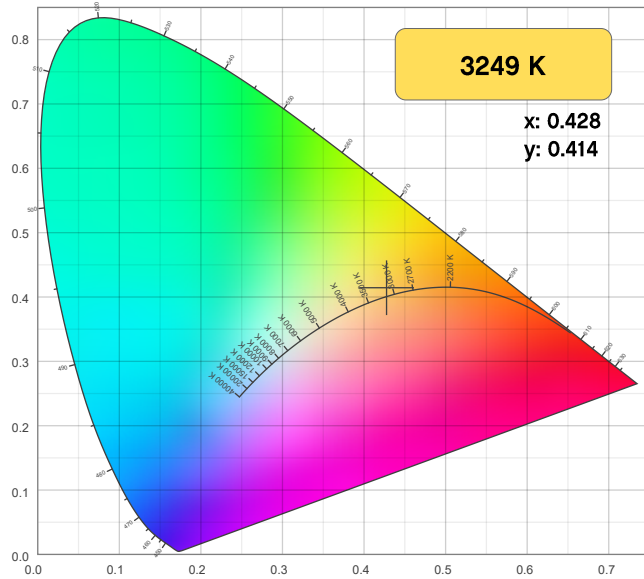
#### Notes:

# Chromaticity Report

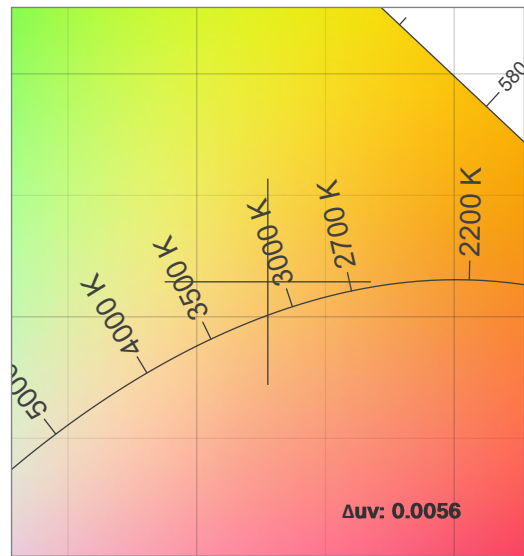
Maverick MK3 Spot: 50% Zoom w/CTO Filter, Full Power

## Chromaticity

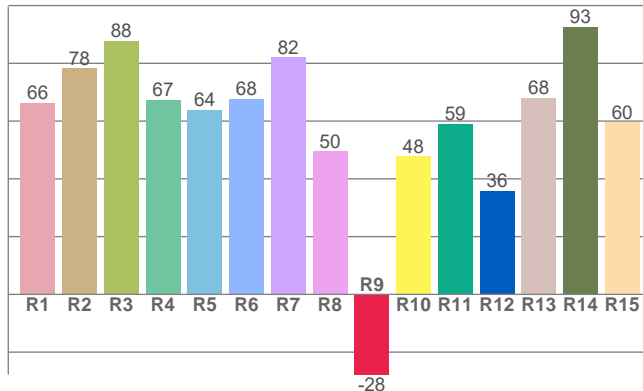
CIE 1931



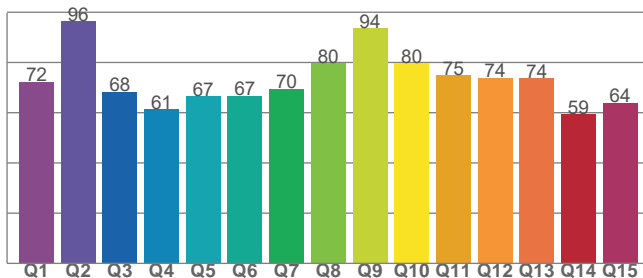
CIE 1931 - Zoom



CRI: 70.3 (R1-R8)



CQS: 71.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3249 K	0.428	0.414

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0056	0.414	0.240

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.3	-27.7	71.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
48	71.9	92.7

# Chromaticity Report

Maverick MK3 Spot: 50% Zoom w/CTO Filter, Full Power

## TM-30-18 Details

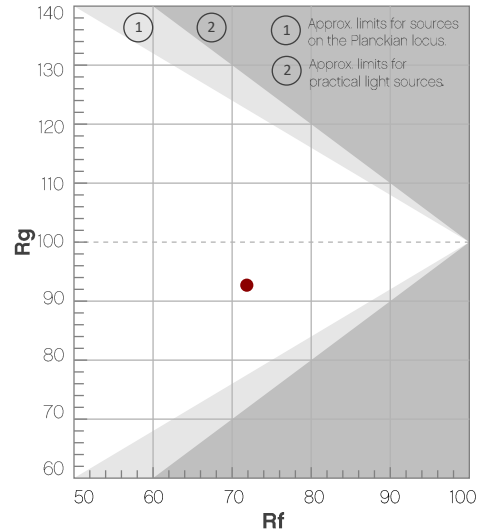
**Rf 71.9**

Fidelity Index  
(R<sub>f</sub>)

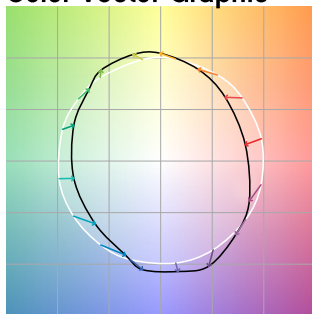
**Rg 92.7**

Gamut Index (R<sub>g</sub>)

Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	67	-16%	-3%
2	68	-13%	10%
3	59	-6%	19%
4	72	3%	15%
5	84	7%	8%
6	86	6%	-5%
7	76	-3%	-13%
8	80	-10%	-6%
9	76	-14%	3%
10	58	-13%	18%
11	57	-5%	25%
12	75	7%	13%
13	84	8%	1%
14	76	11%	-12%
15	70	0%	-18%
16	70	-8%	-18%



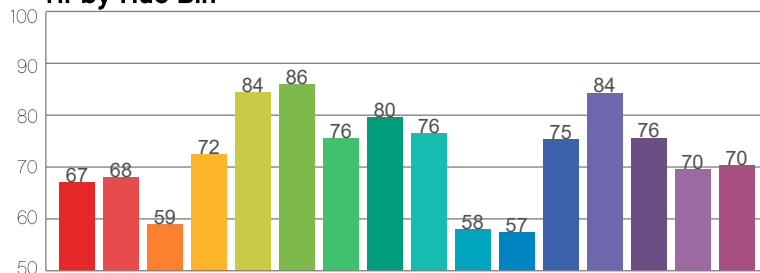
Color Vector Graphic



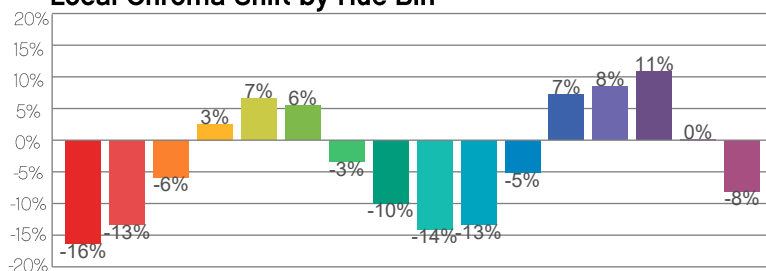
Color Distortion Graphic



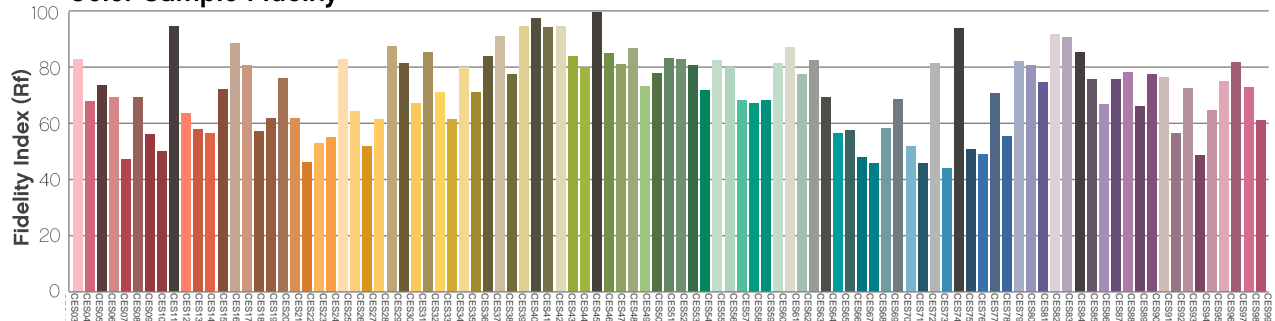
R<sub>f</sub> by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



## Contact Us

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Visit the applicable website above to verify our contact information and instructions to request support. Outside the US, UK, Ireland, Benelux, France, Germany, or Mexico, contact the dealer of the record.