PHOTOMETRICS REPORT

MAVERICK

MK3 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 MK3 Profile : Full Flood, Full Power

Report Summary

Output

Total Lumens: 27402 lm
Peak Intensity: 46489 cd
Illuminance @ 5m: 1860 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 52.7°
Vertical Beam Angle (50%): 52.7°
Horizontal Field Angle (10%): 61.4°
Vertical Field Angle (10%): 61.4°
Horizontal Cutoff Angle (3%): 64.1°
Vertical Cutoff Angle (3%): 64.1°

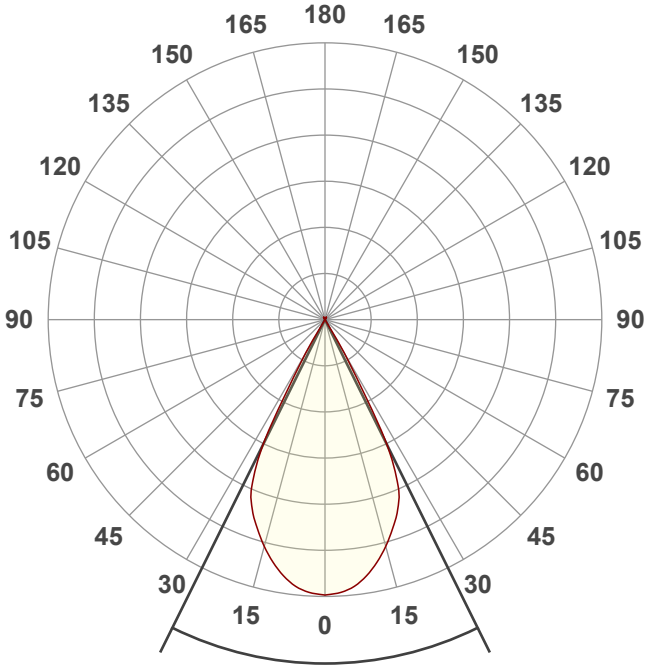
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 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.

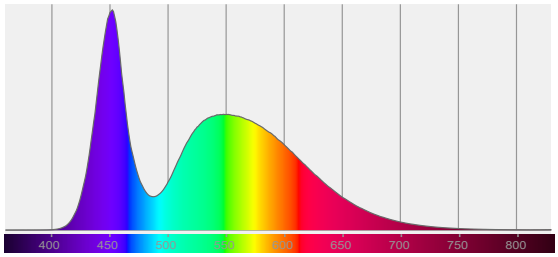
Overall Measurement

Angular Beam Distribution

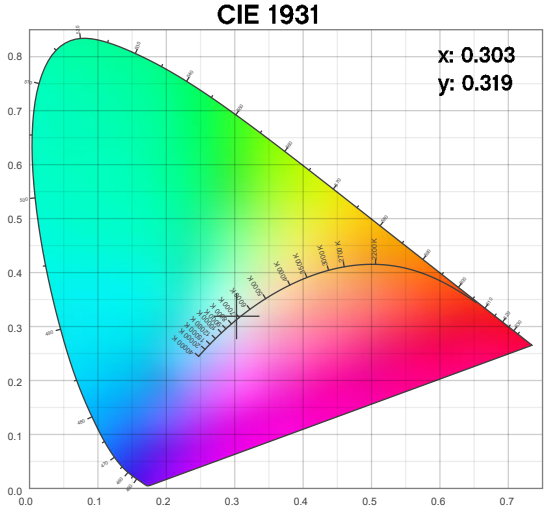


Beam Angle 52.7°

Spectral Distribution



CIE 1931



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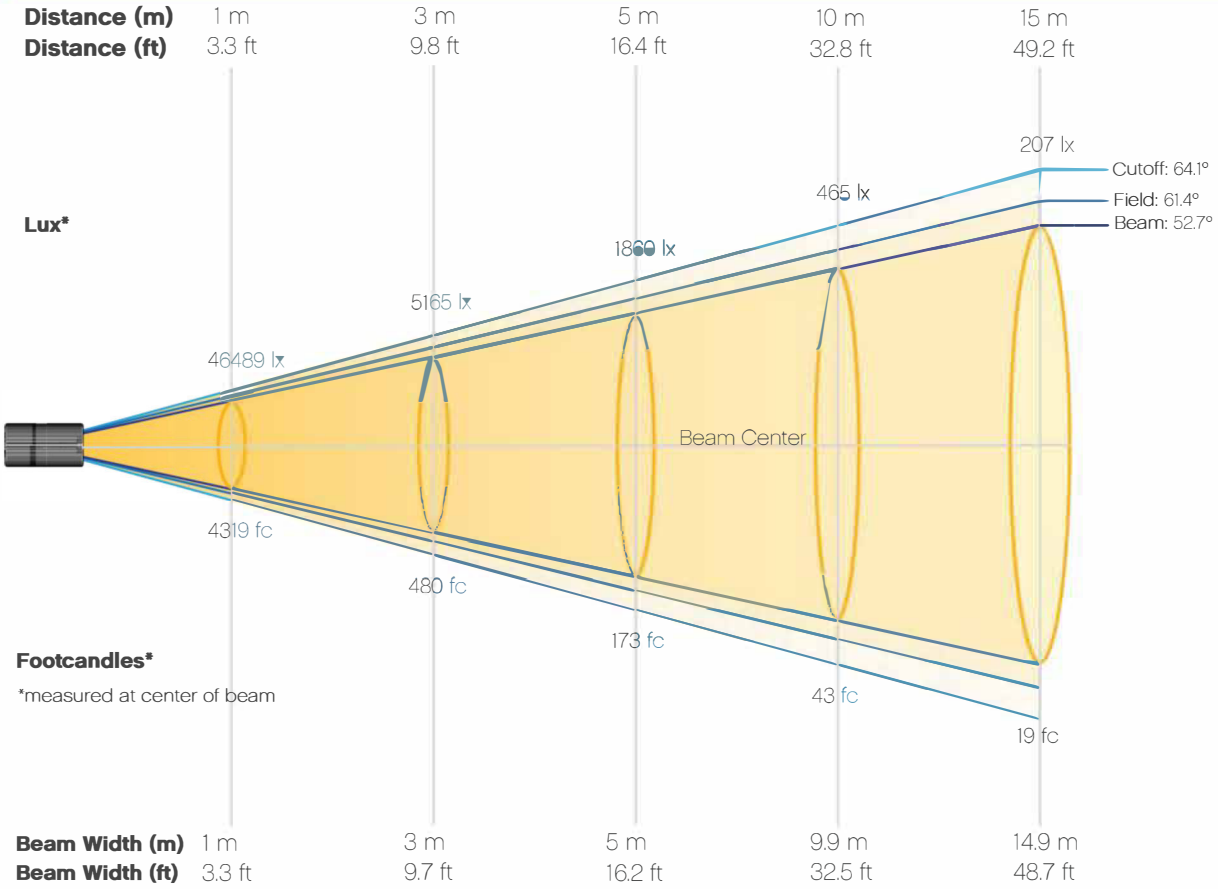
Photometric Report

Maverick MK3 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	46489	11622	5165	2906	1860	1291	949	726	574	465
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	384	323	275	237	207	182	161	143	129	116
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4319	1080	480	270	173	120	88	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	36	30	26	22	19	17	15	13	12	11

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Photometric Report

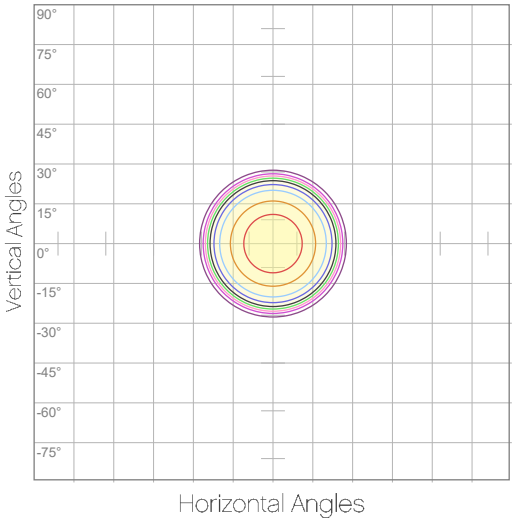
Maverick MK3 Profile : Full Flood, Full Power

Candela Plot

Beam Angle (50%): 52.7°
Field Angle (10%): 61.4°
Cutoff Angle (3%): 64.1°

Horizontal Distribution
Vertical Distribution

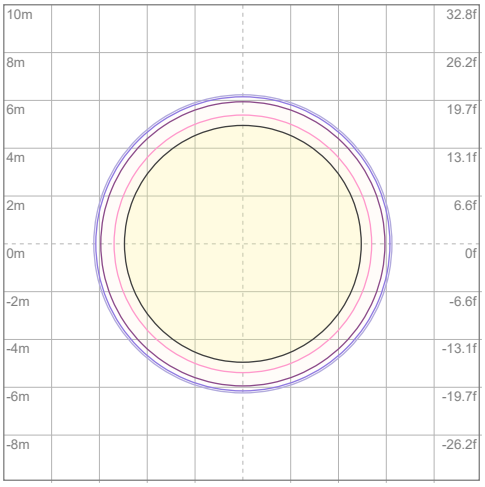
Polar Diagrams



iso-candela Diagram

10%	4649 cd
20%	9298 cd
30%	13947 cd
40%	18596 cd
50%	23245 cd
60%	27894 cd
70%	32543 cd
80%	37192 cd
90%	41840 cd

Conditions:
Number of c-planes: 2
Candela at center: 46489 cd



iso-illuminance Diagram

3%	13.9 lx
5%	23.2 lx
10%	46.5 lx
30%	139 lx
50%	232 lx

Conditions:
Number of c-planes: 2
Lux at center: 465 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : Full Flood with CRI Filter, Full Power

Report Summary

Output

Total Lumens: 18031 lm
Peak Intensity: 30539 cd
Illuminance @ 5m: 1222 lux
Fixture Efficacy: 17 lm/W

Optical

Horizontal Beam Angle (50%): 52.8°
Vertical Beam Angle (50%): 52.8°
Horizontal Field Angle (10%): 61.4°
Vertical Field Angle (10%): 61.4°
Horizontal Cutoff Angle (3%): 64.2°
Vertical Cutoff Angle (3%): 64.2°

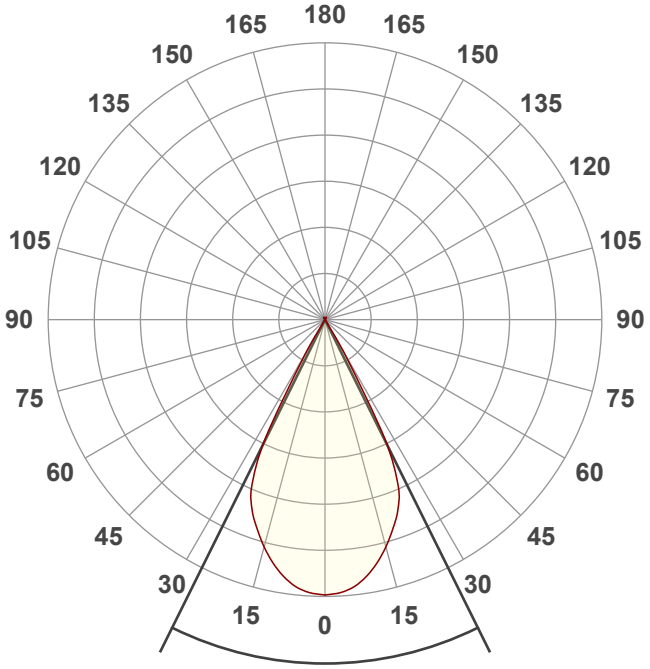
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 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.

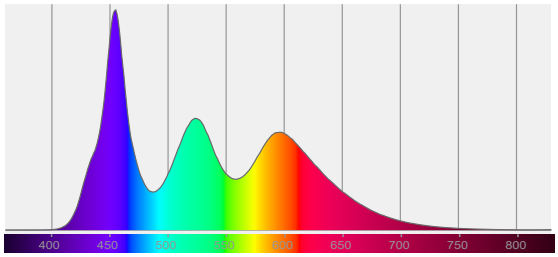
Overall Measurement

Angular Beam Distribution

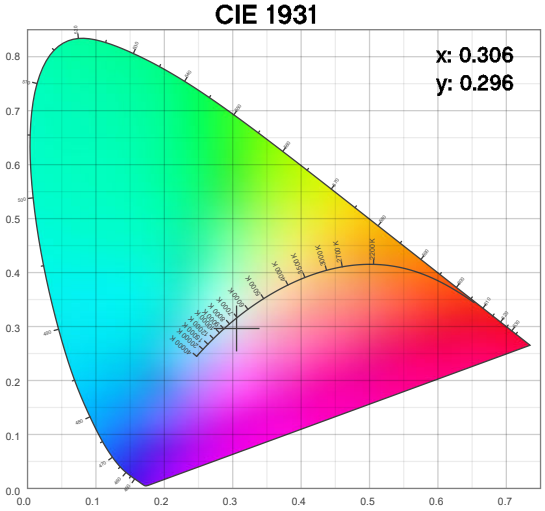


Beam Angle 52.8°

Spectral Distribution



CIE 1931



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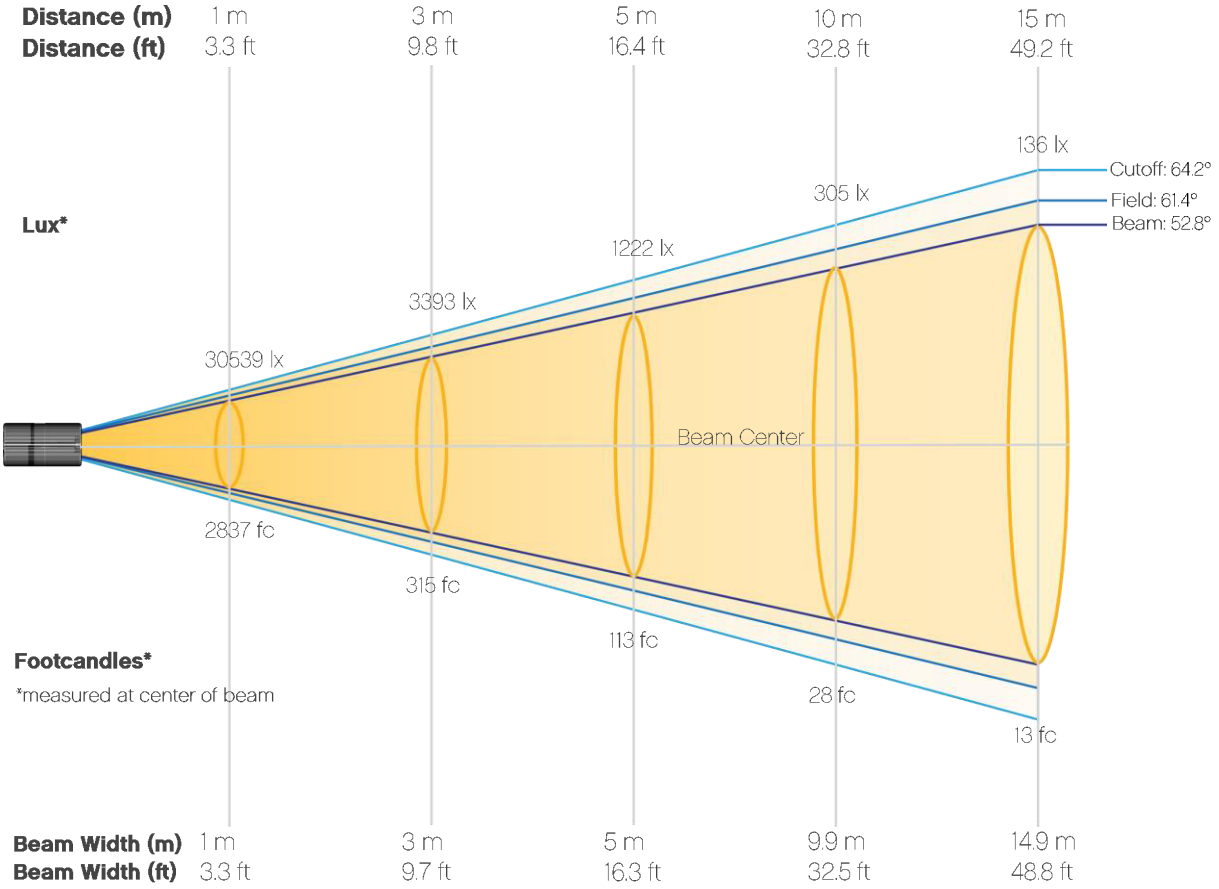
Photometric Report

Maverick MK3 Profile : Full Flood with CRI Filter, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	30539	7635	3393	1909	1222	848	623	477	377	305
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	252	212	181	156	136	119	106	94	85	76
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	2837	709	315	177	113	79	58	44	35	28
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	23	20	17	14	13	11	10	9	8	7

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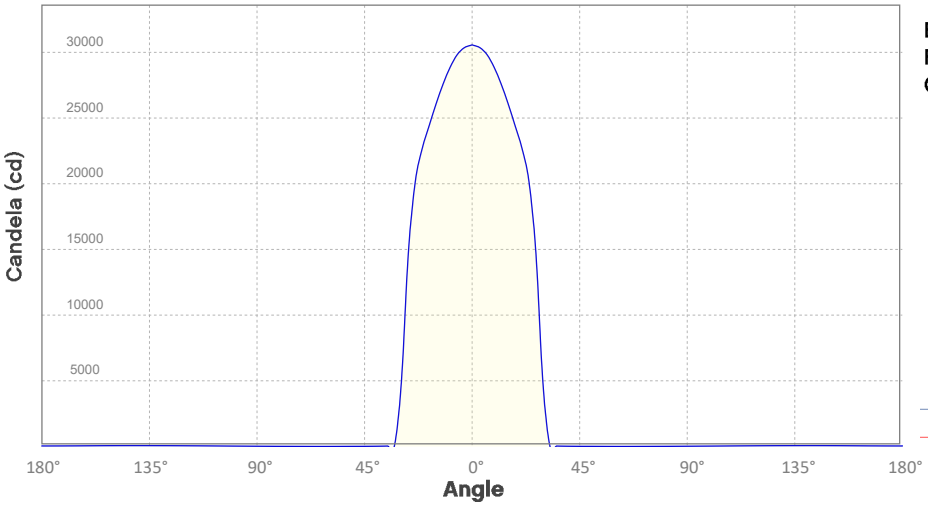
Photometric Report

Maverick MK3 Profile : Full Flood with CRI Filter, Full Power

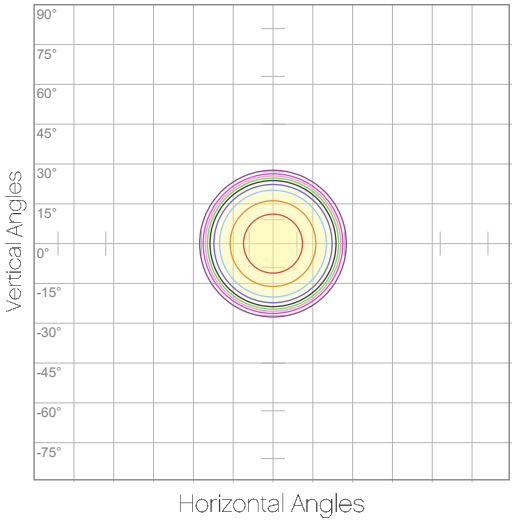
Candela Plot



Beam Angle (50%): 52.8°
Field Angle (10%): 61.4°
Cutoff Angle (3%): 64.2°

Horizontal Distribution
Vertical Distribution

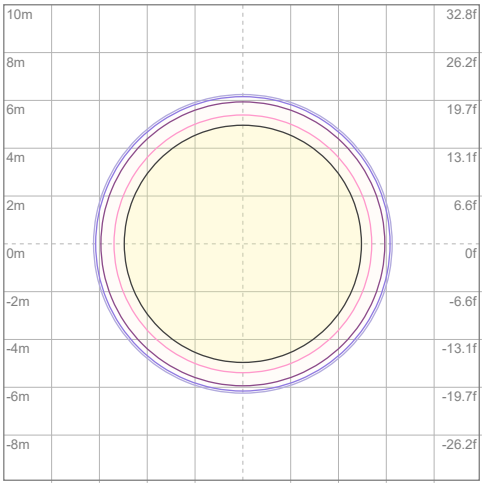
Polar Diagrams



iso-candela Diagram

10%	3054 cd
20%	6108 cd
30%	9162 cd
40%	12216 cd
50%	15270 cd
60%	18323 cd
70%	21377 cd
80%	24431 cd
90%	27485 cd

Conditions:
Number of c-planes: 2
Candela at center: 30539 cd



iso-illuminance Diagram

3%	9.16 lx
5%	15.3 lx
10%	30.5 lx
30%	91.6 lx
50%	153 lx

Conditions:
Number of c-planes: 2
Lux at center: 305 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : Full Flood with CTO Filter, Full Power

Report Summary

Output

Total Lumens: 10494 lm
Peak Intensity: 17661 cd
Illuminance @ 5m: 706 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 53°
Vertical Beam Angle (50%): 53°
Horizontal Field Angle (10%): 61.1°
Vertical Field Angle (10%): 61.1°
Horizontal Cutoff Angle (3%): 63°
Vertical Cutoff Angle (3%): 63°

Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

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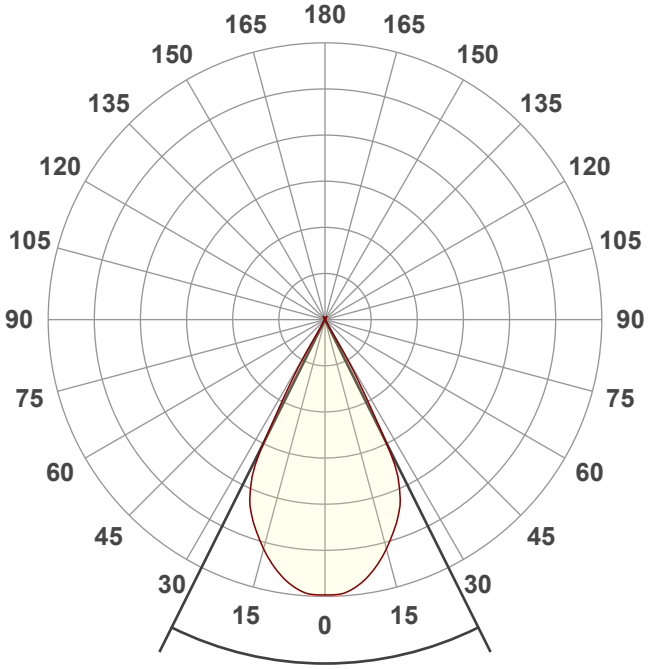
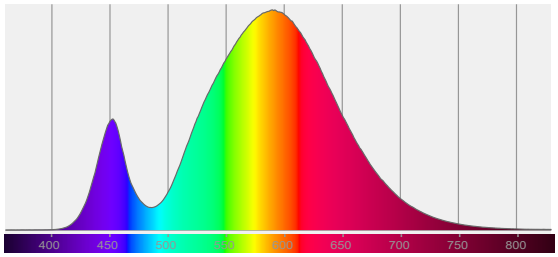
Overall Measurement

Angular Beam Distribution

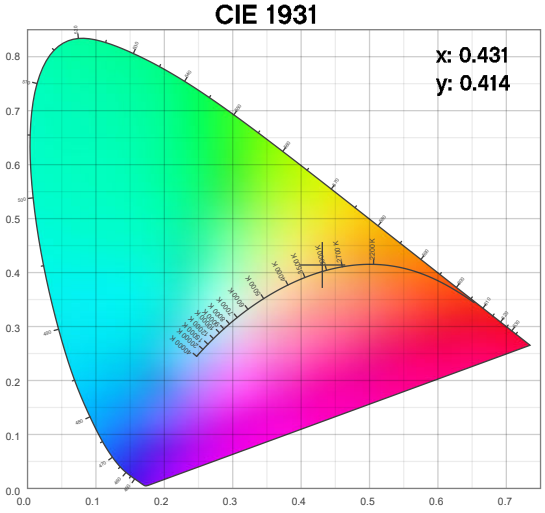


Beam Angle 53°

Spectral Distribution



CIE 1931



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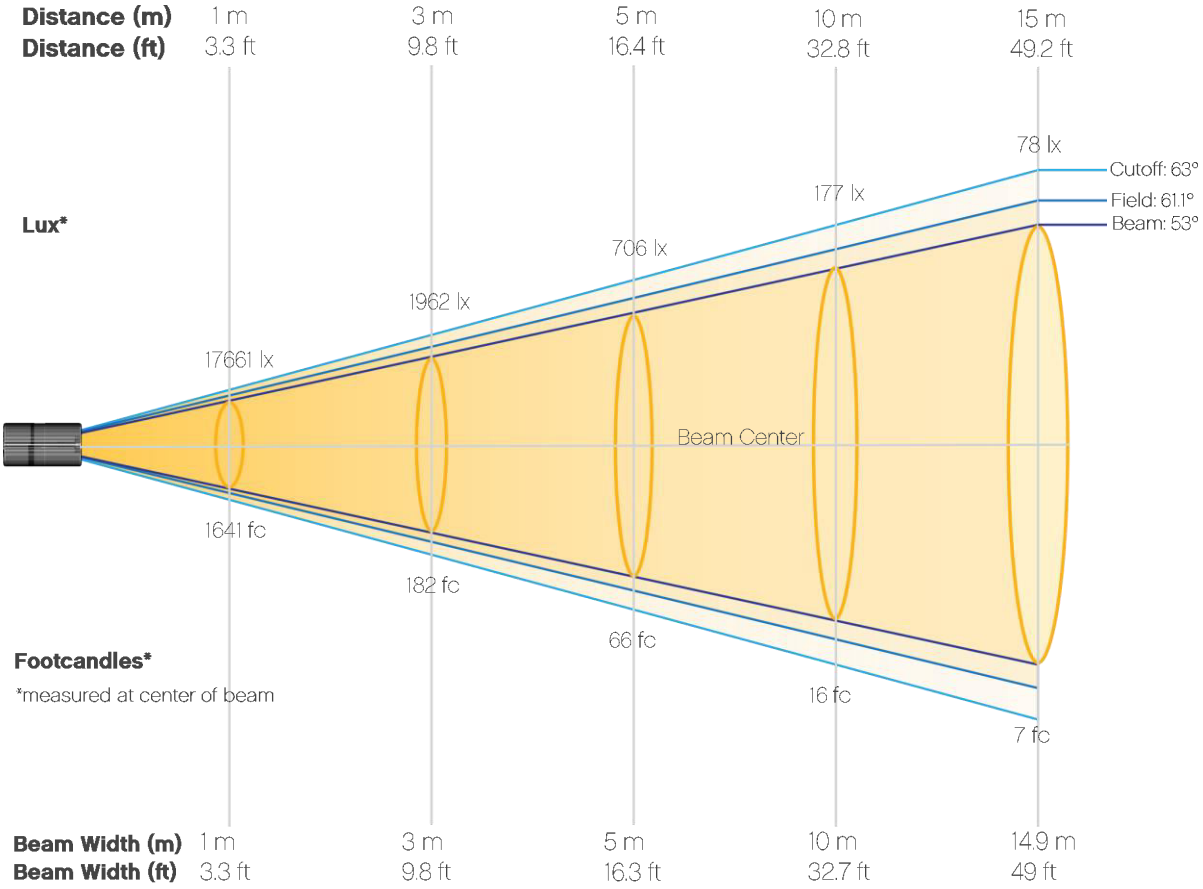
Photometric Report

Maverick MK3 Profile : Full Flood with CTO Filter, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	17661	4415	1962	1104	706	491	360	276	218	177
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	146	123	105	90	78	69	61	55	49	44
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	1641	410	182	103	66	46	33	26	20	16
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	14	11	10	8	7	6	6	5	5	4

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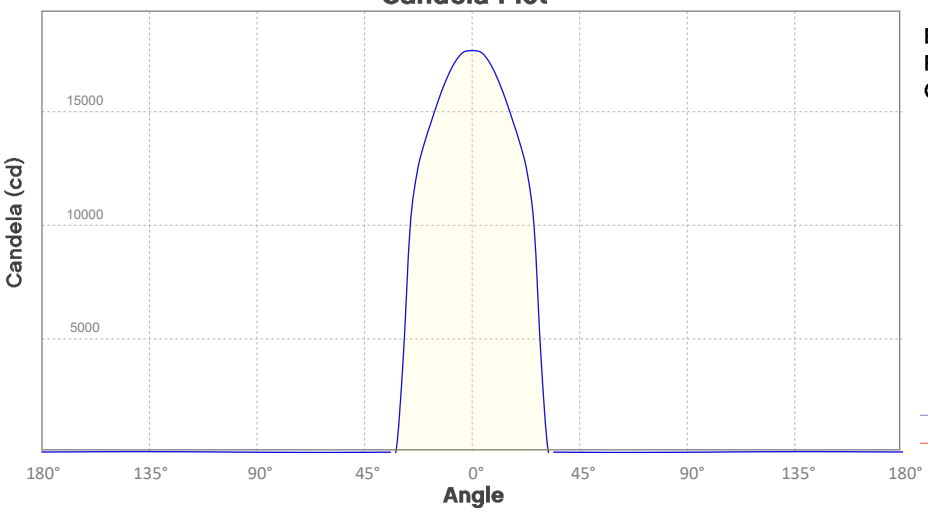
Photometric Report

Maverick MK3 Profile : Full Flood with CTO Filter, Full Power

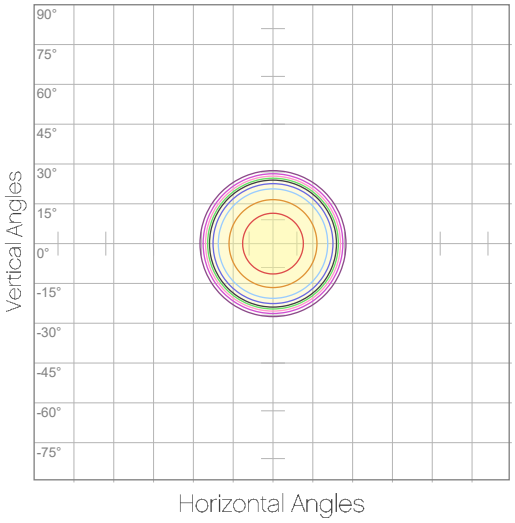
Candela Plot



Beam Angle (50%): 53°
Field Angle (10%): 61.1°
Cutoff Angle (3%): 63°

Horizontal Distribution
Vertical Distribution

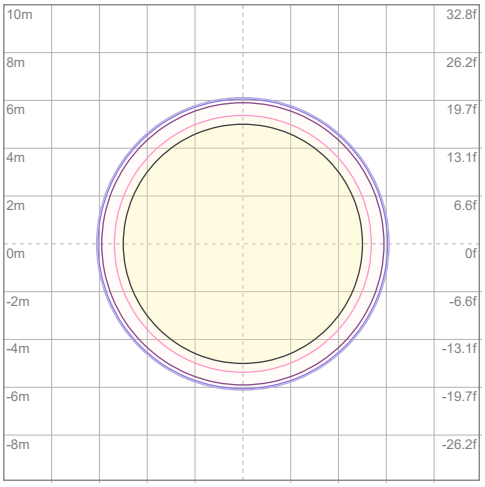
Polar Diagrams



iso-candela Diagram

10%	1766 cd
20%	3532 cd
30%	5298 cd
40%	7064 cd
50%	8830 cd
60%	10597 cd
70%	12363 cd
80%	14129 cd
90%	15895 cd

Conditions:
Number of c-planes: 2
Candela at center: 17661 cd



iso-illuminance Diagram

3%	5.30 lx
5%	8.83 lx
10%	17.7 lx
30%	53.0 lx
50%	88.3 lx

Conditions:
Number of c-planes: 2
Lux at center: 177 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : Full Spot, Full Power

Report Summary

Output

Total Lumens: 13191 lm
Peak Intensity: 1471734 cd
Illuminance @ 5m: 58869 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 5.9°
Vertical Beam Angle (50%): 5.9°
Horizontal Field Angle (10%): 7.6°
Vertical Field Angle (10%): 7.6°
Horizontal Cutoff Angle (3%): 8.1°
Vertical Cutoff Angle (3%): 8.1°

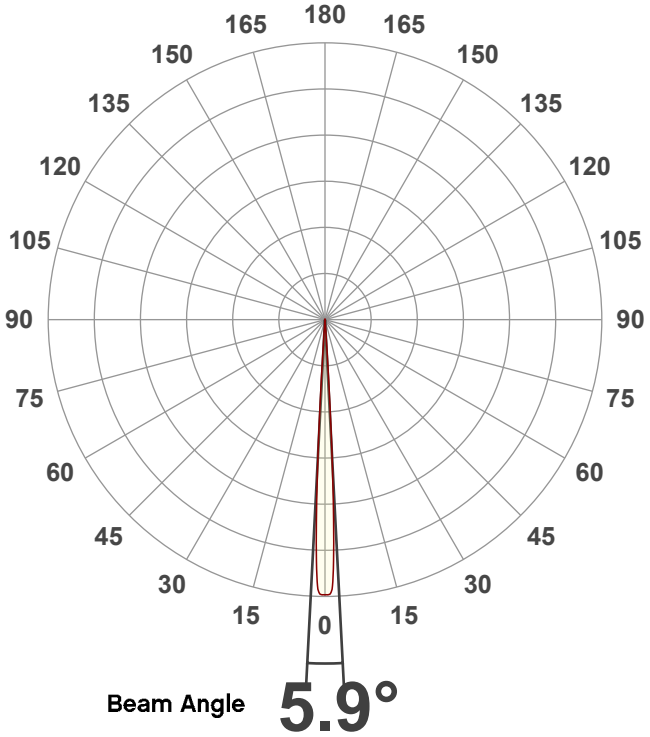
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

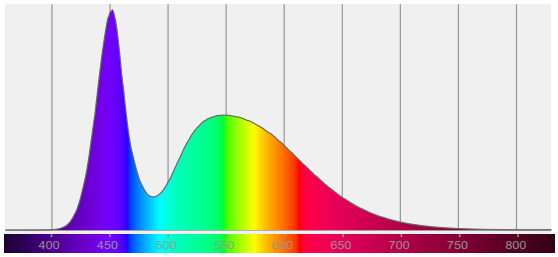
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

Overall Measurement

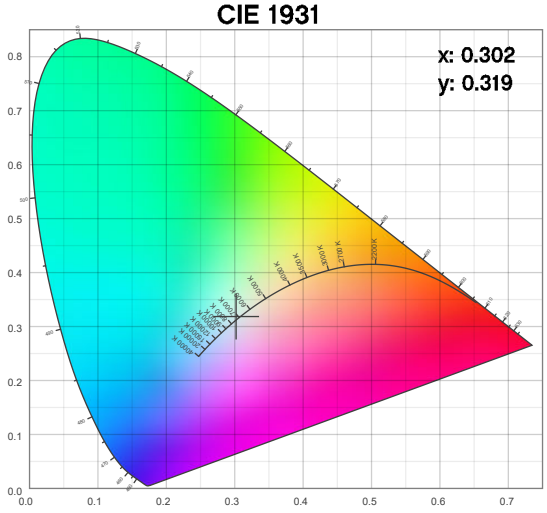
Angular Beam Distribution



Spectral Distribution



CIE 1931



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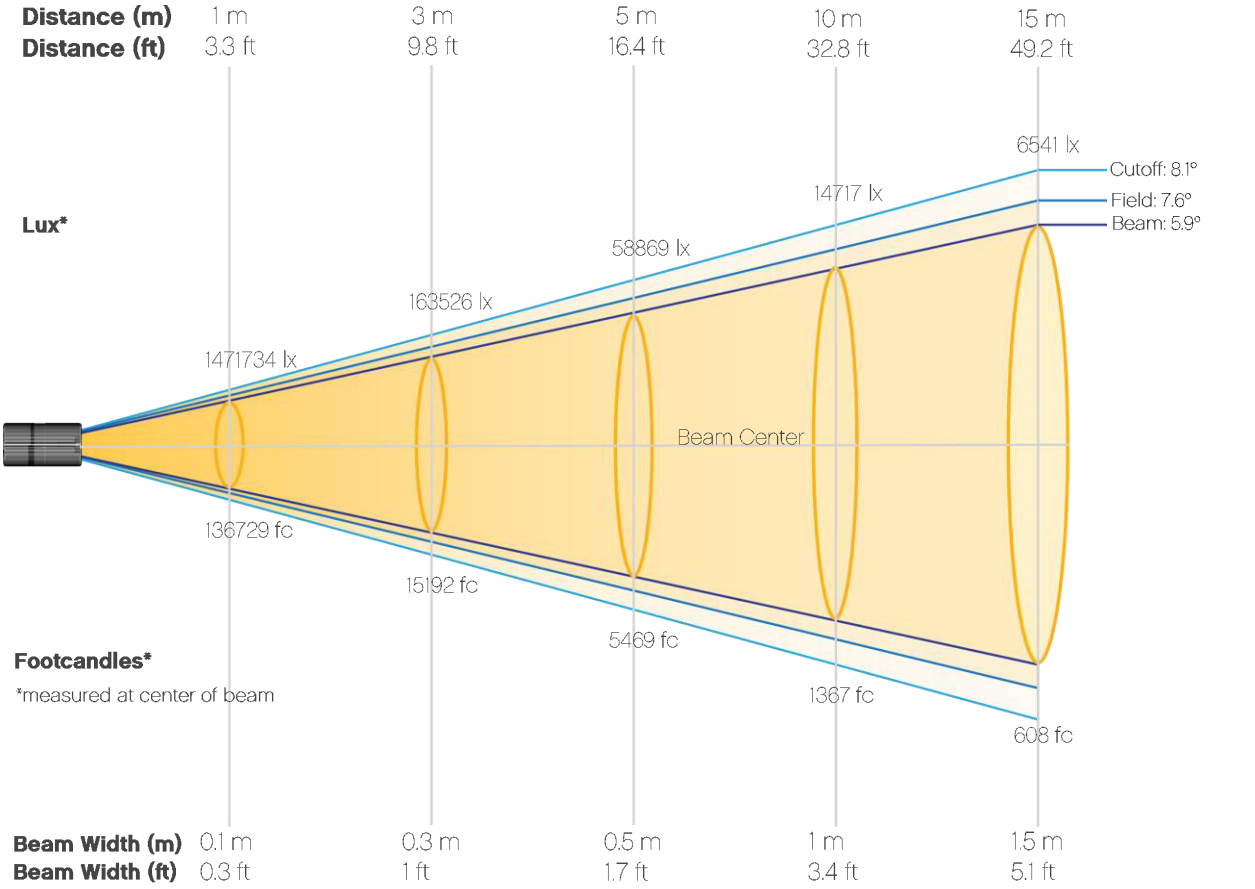
Photometric Report

Maverick MK3 Profile : Full Spot, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1471734	367934	163526	91983	58869	40882	30035	22996	18170	14717
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	12163	10220	8708	7509	6541	5749	5093	4542	4077	3679
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	136729	34182	15192	8546	5469	3798	2790	2136	1688	1367
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	1130	950	809	698	608	534	473	422	379	342

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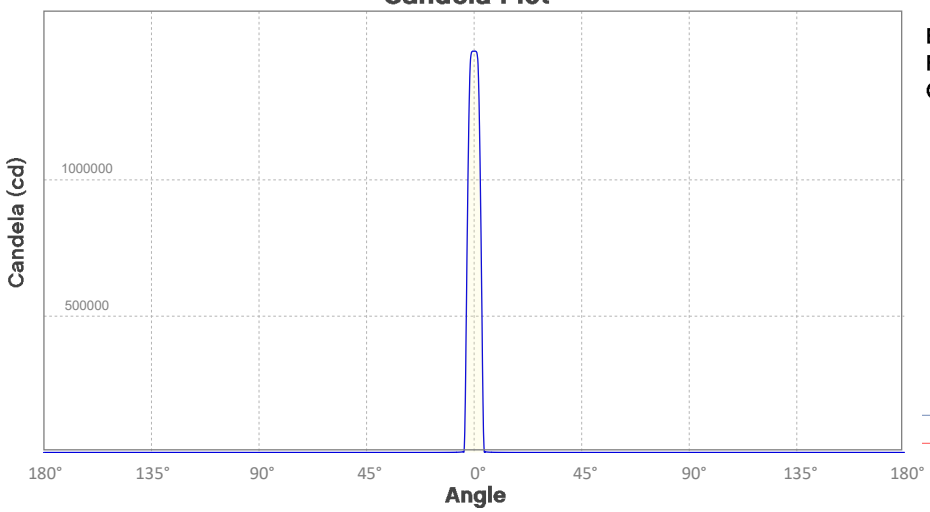
Photometric Report

Maverick MK3 Profile : Full Spot, Full Power

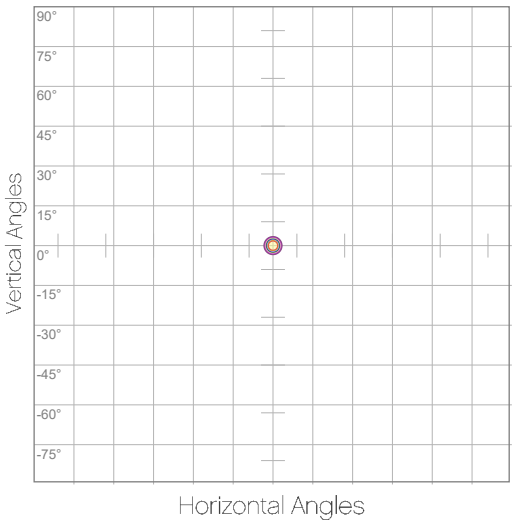
Candela Plot



Beam Angle (50%): 5.9°
Field Angle (10%): 7.6°
Cutoff Angle (3%): 8.1°

Horizontal Distribution
Vertical Distribution

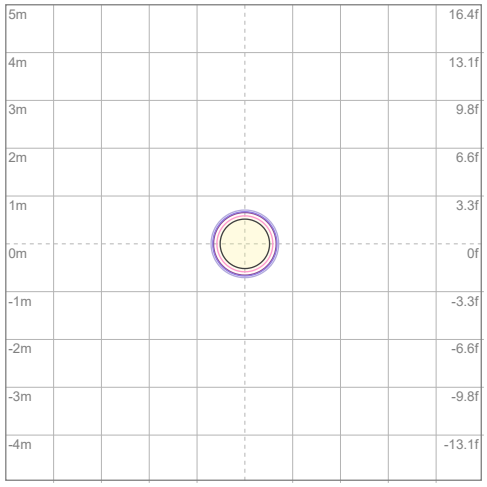
Polar Diagrams



iso-candela Diagram

10%	147173 cd
20%	294347 cd
30%	441520 cd
40%	588694 cd
50%	735867 cd
60%	883041 cd
70%	1030214 cd
80%	1177387 cd
90%	1324561 cd

Conditions:
Number of c-planes: 2
Candela at center: 1471734 cd



iso-illuminance Diagram

3%	442 lx
5%	736 lx
10%	1472 lx
30%	4415 lx
50%	7359 lx

Conditions:
Number of c-planes: 2
Lux at center: 14.7K lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : Full Spot with CRI Filter, Full Power

Report Summary

Output

Total Lumens: 8949 lm
Peak Intensity: 973161 cd
Illuminance @ 5m: 38926 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 5.9°
Vertical Beam Angle (50%): 5.9°
Horizontal Field Angle (10%): 7.7°
Vertical Field Angle (10%): 7.7°
Horizontal Cutoff Angle (3%): 8.8°
Vertical Cutoff Angle (3%): 8.8°

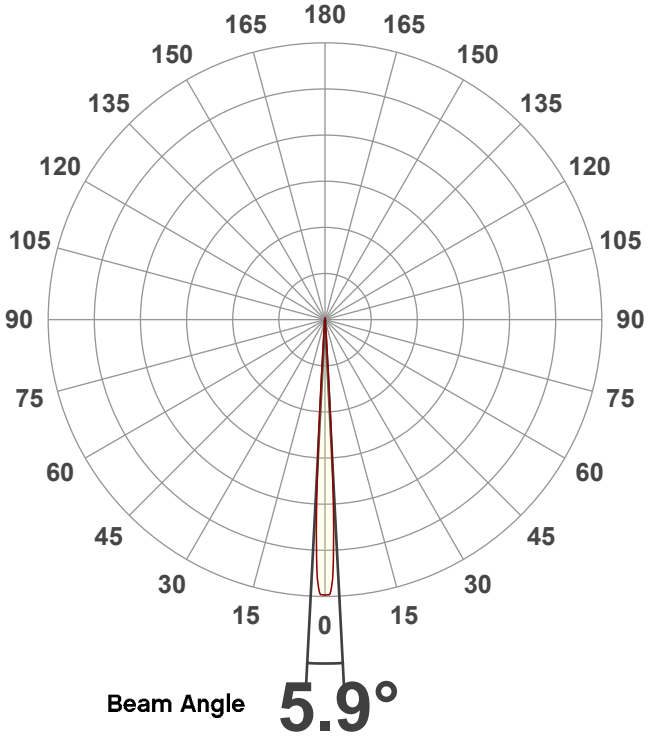
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

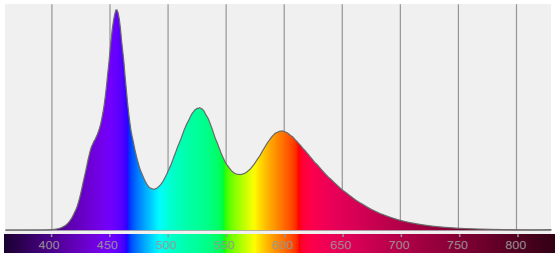
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

Overall Measurement

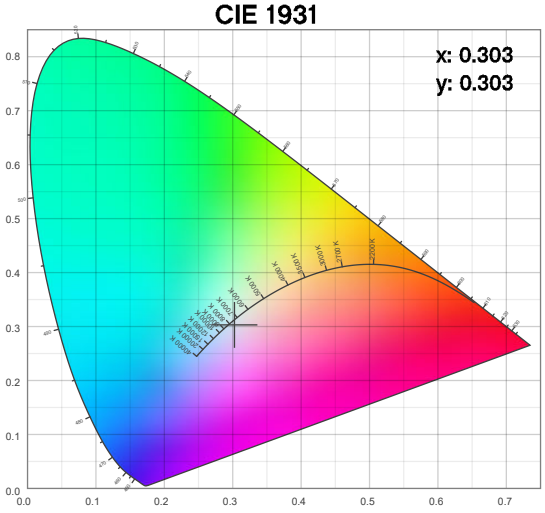
Angular Beam Distribution



Spectral Distribution



CIE 1931



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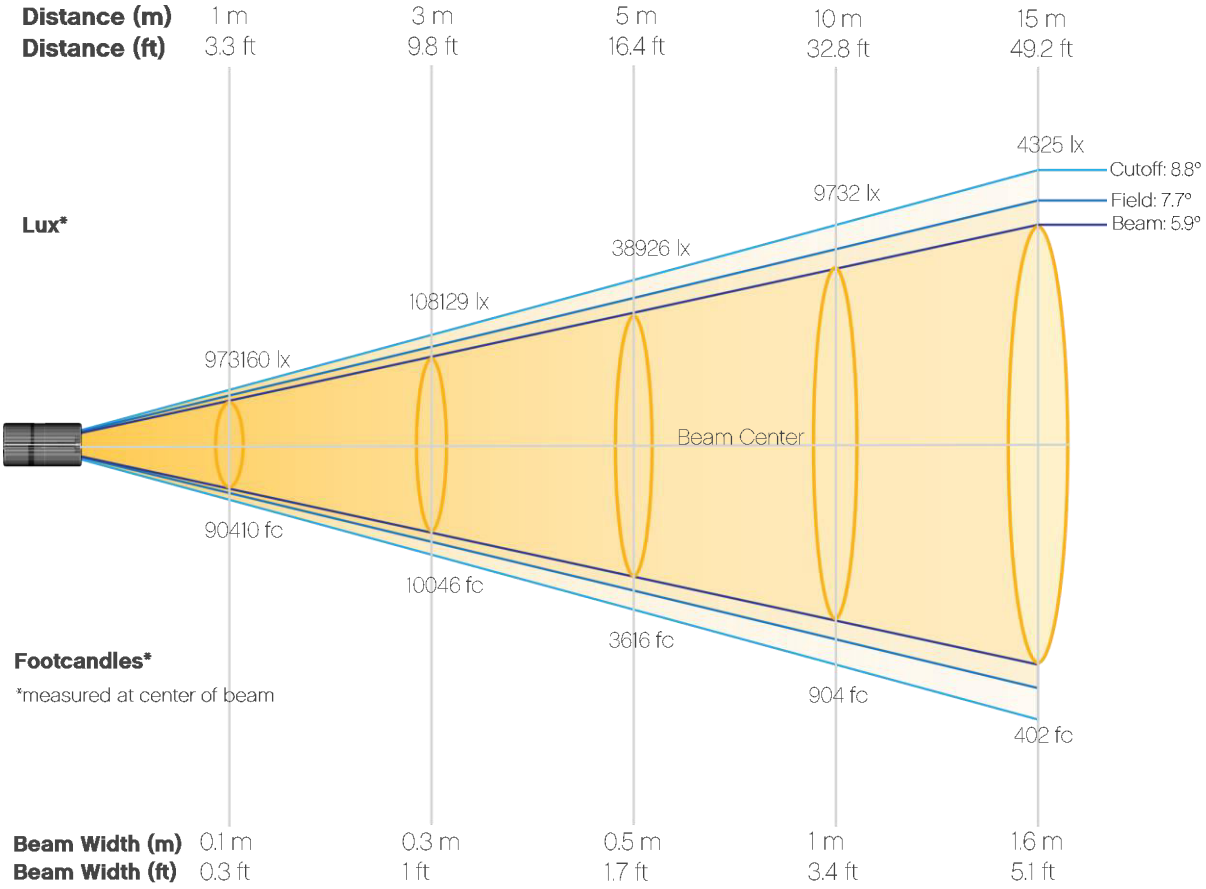
Photometric Report

Maverick MK3 Profile : Full Spot with CRI Filter, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	973160	243290	108129	60823	38926	27032	19860	15206	12014	9732
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	8043	6758	5758	4965	4325	3801	3367	3004	2696	2433
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	90410	22602	10046	5651	3616	2511	1845	1413	1116	904
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	747	628	535	461	402	353	313	279	250	226

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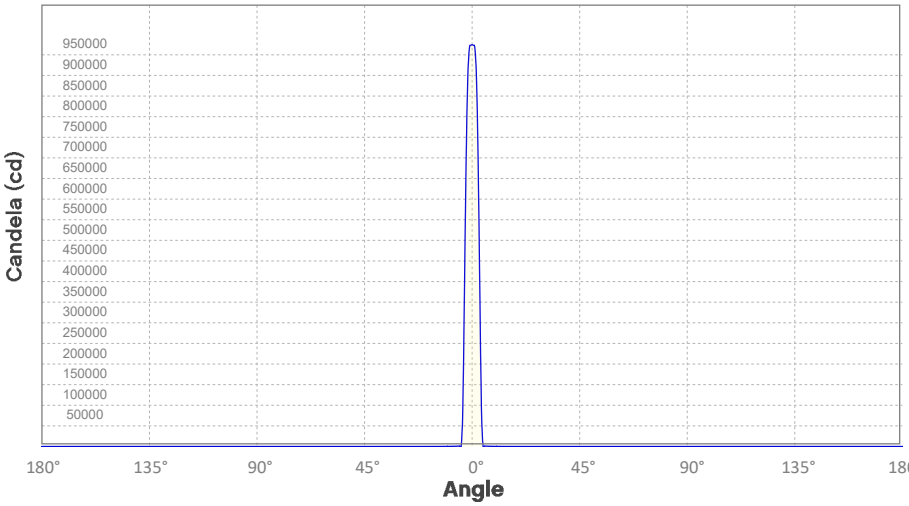
Photometric Report

Maverick MK3 Profile : Full Spot with CRI Filter, Full Power

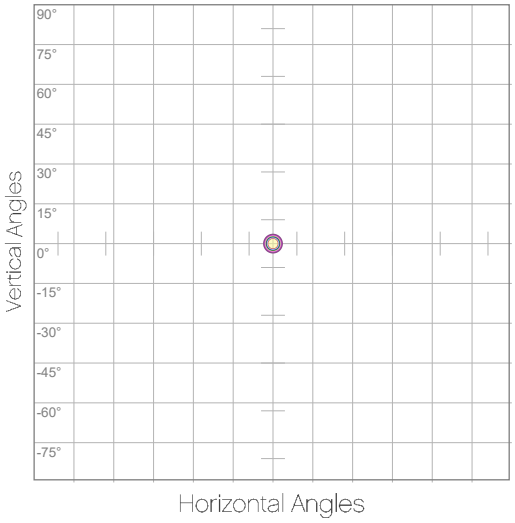
Candela Plot



Beam Angle (50%): 5.9°
Field Angle (10%): 7.7°
Cutoff Angle (3%): 8.8°

Horizontal Distribution
Vertical Distribution

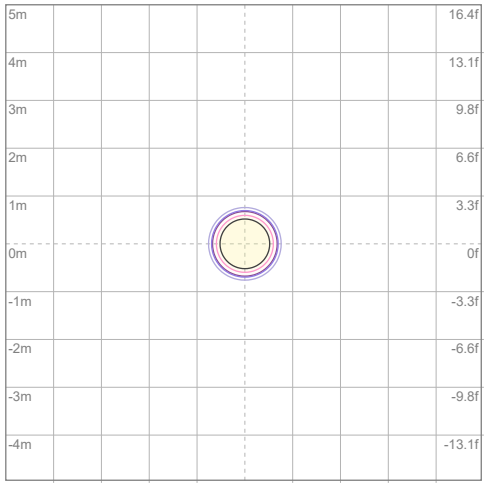
Polar Diagrams



iso-candela Diagram

10%	97316 cd
20%	194632 cd
30%	291948 cd
40%	389264 cd
50%	486580 cd
60%	583896 cd
70%	681212 cd
80%	778528 cd
90%	875844 cd

Conditions:
Number of c-planes: 2
Candela at center: 973160 cd



iso-illuminance Diagram

3%	292 lx
5%	487 lx
10%	973 lx
30%	2919 lx
50%	4866 lx

Conditions:
Number of c-planes: 2
Lux at center: 9732 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : Full Spot with CTO Filter, Full Power

Report Summary

Output

Total Lumens: 5309 lm
Peak Intensity: 568851 cd
Illuminance @ 5m: 22754 lux
Fixture Efficacy: 5 lm/W

Optical

Horizontal Beam Angle (50%): 5.9°
Vertical Beam Angle (50%): 5.9°
Horizontal Field Angle (10%): 8.2°
Vertical Field Angle (10%): 8.2°
Horizontal Cutoff Angle (3%): 9°
Vertical Cutoff Angle (3%): 9°

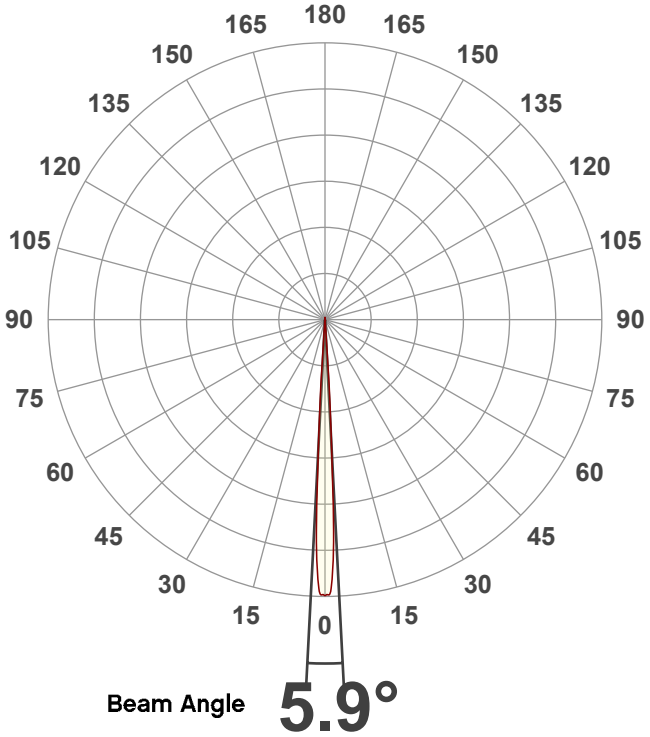
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

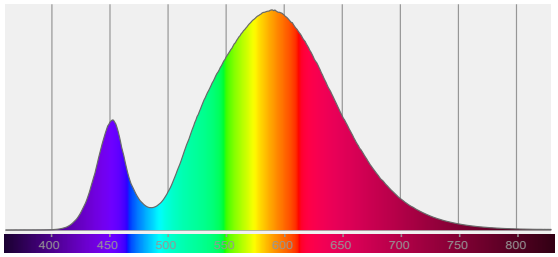
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

Overall Measurement

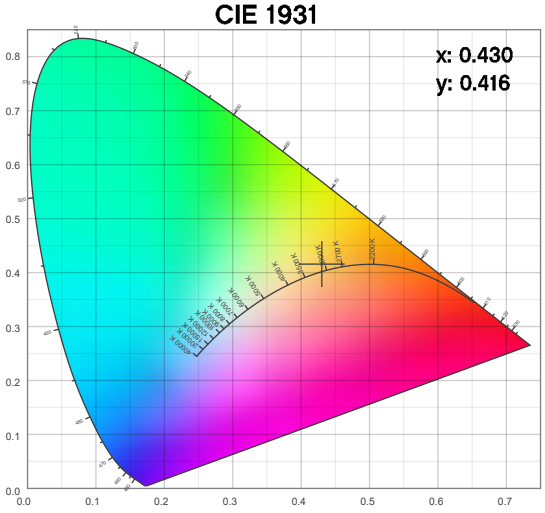
Angular Beam Distribution



Spectral Distribution



CIE 1931



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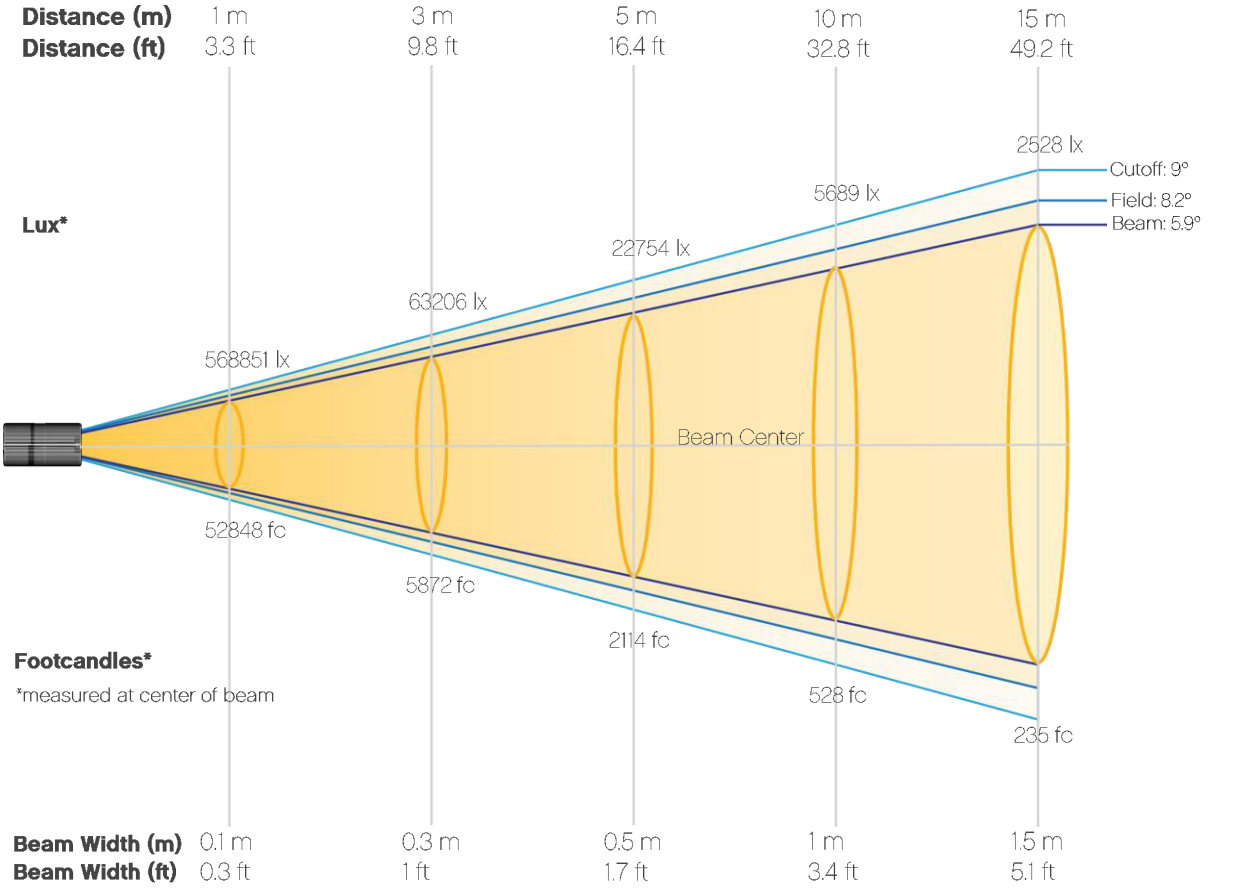
Photometric Report

Maverick MK3 Profile : Full Spot with CTO Filter, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	568851	142213	63206	35553	22754	15801	11609	8888	7023	5689
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	4701	3950	3366	2902	2528	2222	1968	1756	1576	1422
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	52848	13212	5872	3303	2114	1468	1079	826	652	528
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	437	367	313	270	235	206	183	163	146	132

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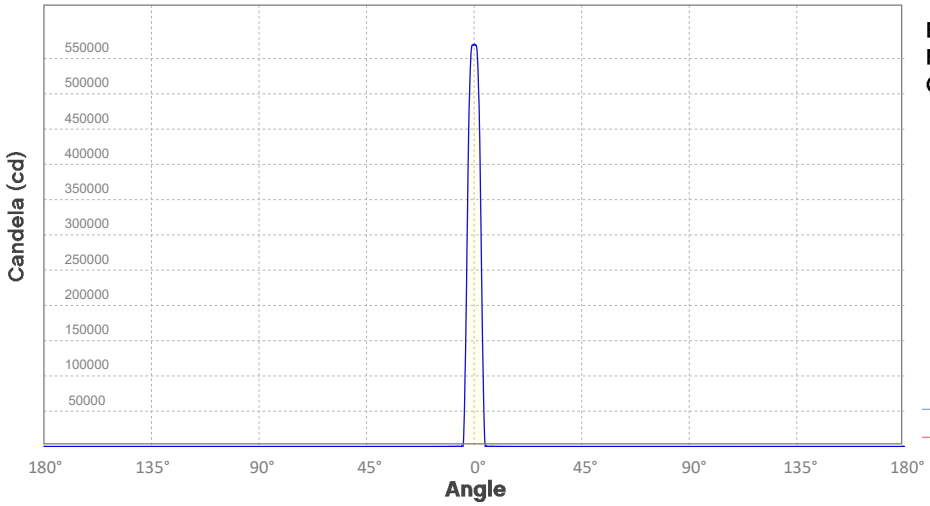
Photometric Report

Maverick MK3 Profile : Full Spot with CTO Filter, Full Power

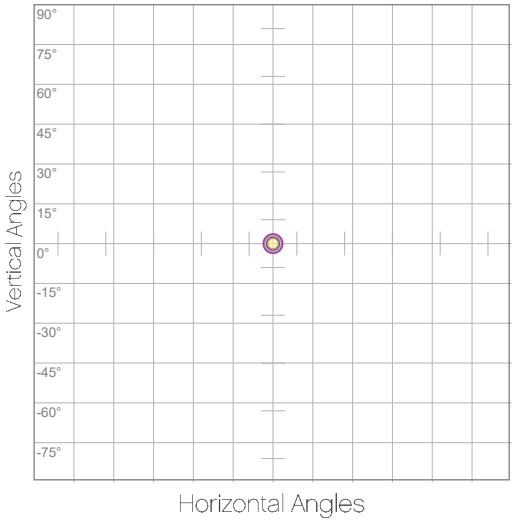
Candela Plot



Beam Angle (50%): 5.9°
Field Angle (10%): 8.2°
Cutoff Angle (3%): 9°

Horizontal Distribution
Vertical Distribution

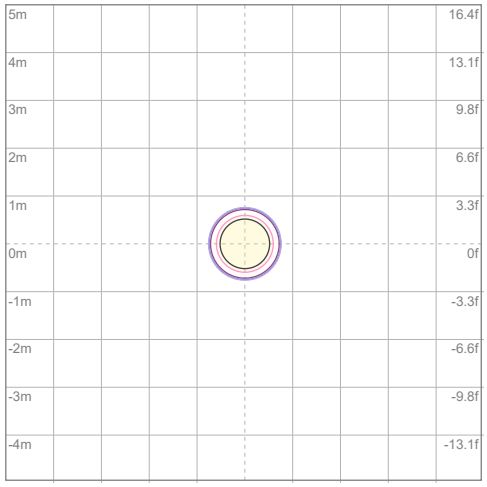
Polar Diagrams



iso-candela Diagram

10%	56885 cd
20%	113770 cd
30%	170655 cd
40%	227540 cd
50%	284425 cd
60%	341311 cd
70%	398196 cd
80%	455081 cd
90%	511966 cd

Conditions:
Number of c-planes: 2
Candela at center: 568851 cd



iso-illuminance Diagram

3%	171 lx
5%	284 lx
10%	569 lx
30%	1707 lx
50%	2844 lx

Conditions:
Number of c-planes: 2
Lux at center: 5689 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : 50% Zoom, Full Power

Report Summary

Output

Total Lumens: 26934 lm
Peak Intensity: 272567 cd
Illuminance @ 5m: 10903 lux
Fixture Efficacy: 25 lm/W

Optical

Horizontal Beam Angle (50%): 20.8°
Vertical Beam Angle (50%): 20.8°
Horizontal Field Angle (10%): 25°
Vertical Field Angle (10%): 25°
Horizontal Cutoff Angle (3%): 26.2°
Vertical Cutoff Angle (3%): 26.2°

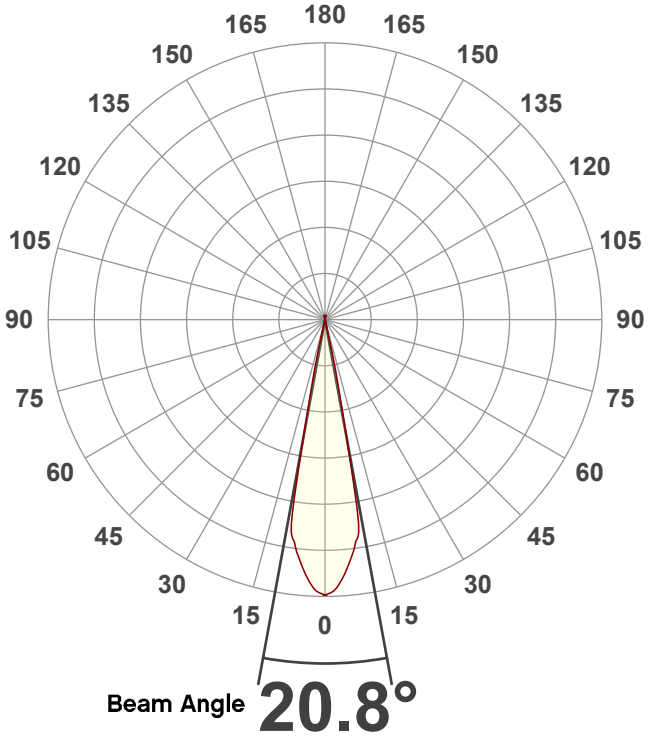
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

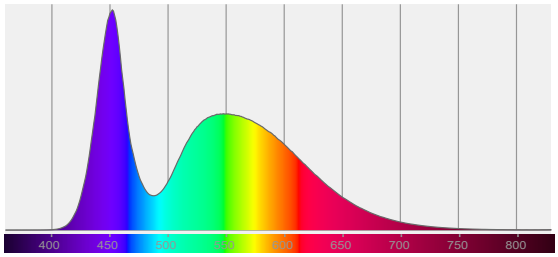
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

Overall Measurement

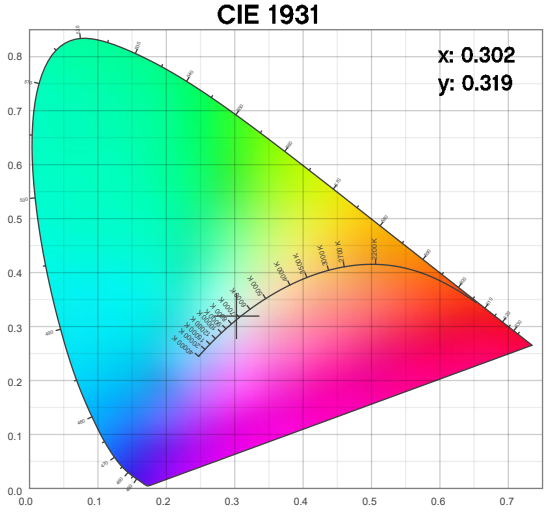
Angular Beam Distribution



Spectral Distribution



CIE 1931



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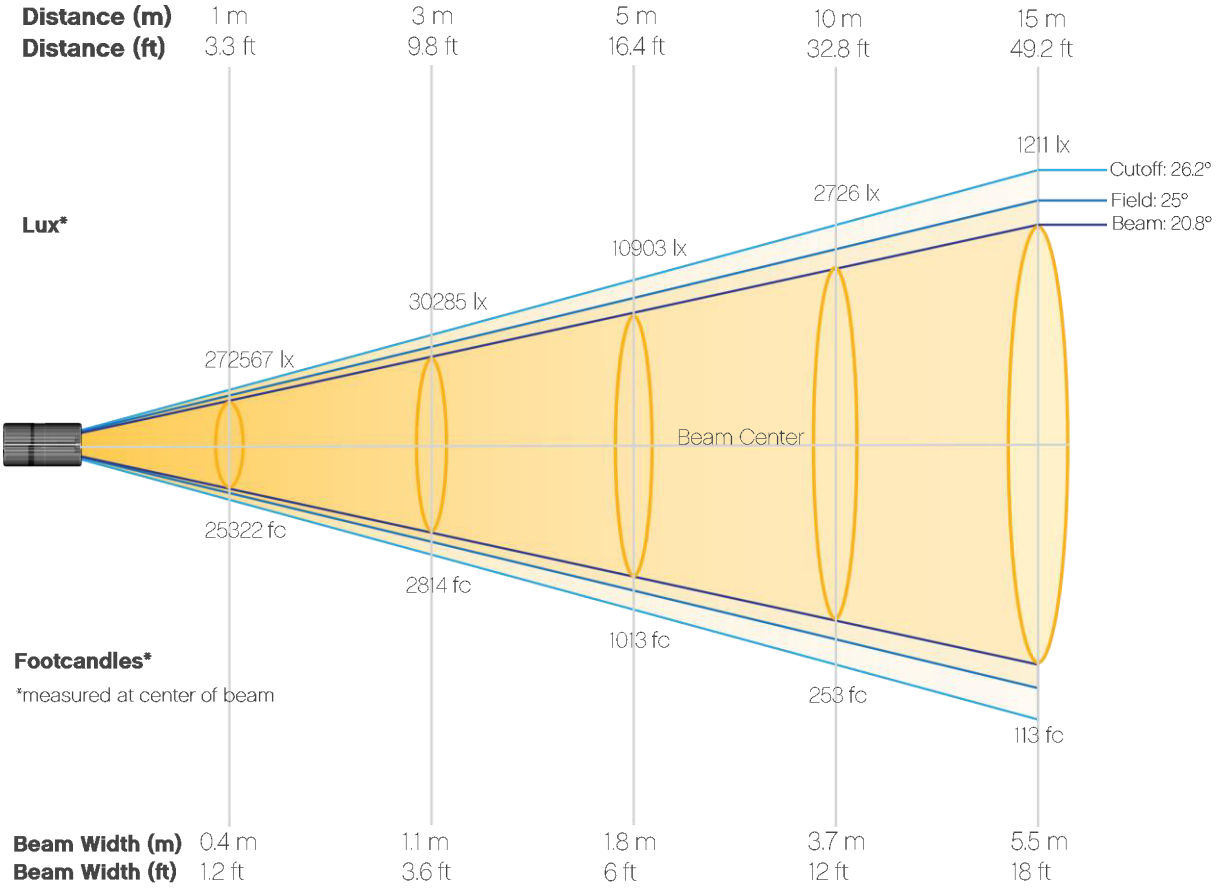
Photometric Report

Maverick MK3 Profile : 50% Zoom, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	272567	68142	30285	17035	10903	7571	5563	4259	3365	2726
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2253	1893	1613	1391	1211	1065	943	841	755	681
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	25322	6331	2814	1583	1013	703	517	396	313	253
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	209	176	150	129	113	99	88	78	70	63

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Photometric Report

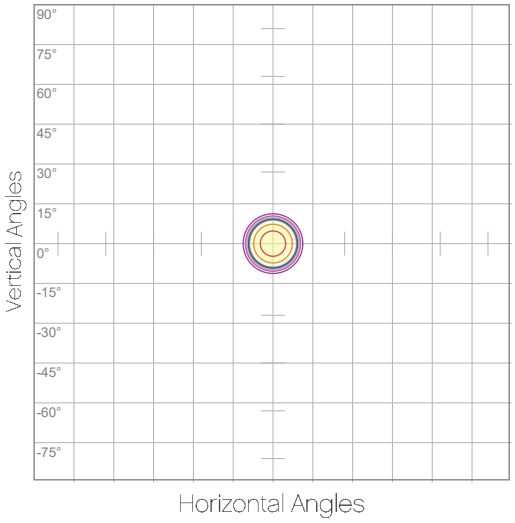
Maverick MK3 Profile : 50% Zoom, Full Power

Candela Plot

Beam Angle (50%): 20.8°
Field Angle (10%): 25°
Cutoff Angle (3%): 26.2°

Horizontal Distribution
Vertical Distribution

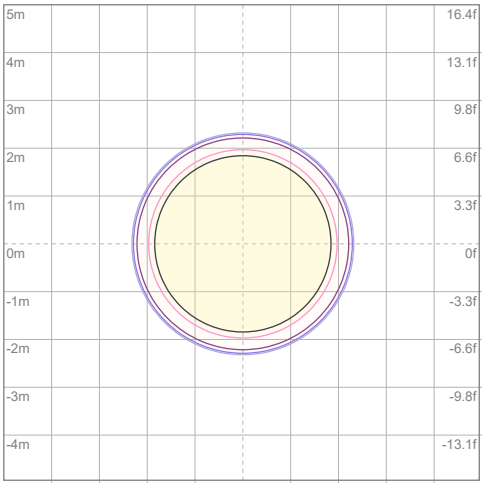
Polar Diagrams



iso-candela Diagram

10%	27257 cd
20%	54513 cd
30%	81770 cd
40%	109027 cd
50%	136284 cd
60%	163540 cd
70%	190797 cd
80%	218054 cd
90%	245311 cd

Conditions:
Number of c-planes: 2
Candela at center: 272567 cd



iso-illuminance Diagram

3%	81.8 lx
5%	136 lx
10%	273 lx
30%	818 lx
50%	1363 lx

Conditions:
Number of c-planes: 2
Lux at center: 2726 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : 50% Zoom with CRI Filter, Full Power

Report Summary

Output

Total Lumens: 17896 lm
Peak Intensity: 181561 cd
Illuminance @ 5m: 7262 lux
Fixture Efficacy: 16 lm/W

Optical

Horizontal Beam Angle (50%): 20.7°
Vertical Beam Angle (50%): 20.7°
Horizontal Field Angle (10%): 24.6°
Vertical Field Angle (10%): 24.6°
Horizontal Cutoff Angle (3%): 25.4°
Vertical Cutoff Angle (3%): 25.4°

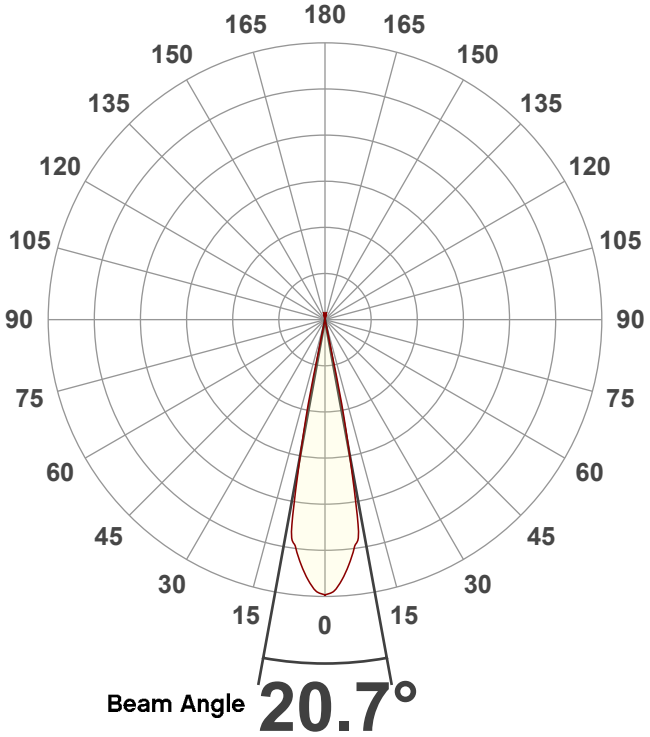
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

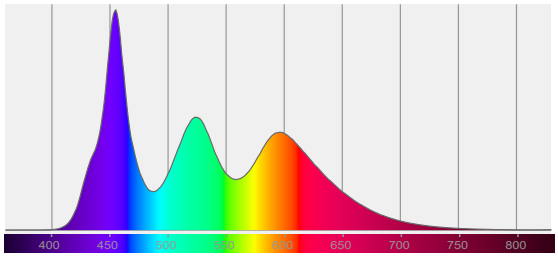
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

Overall Measurement

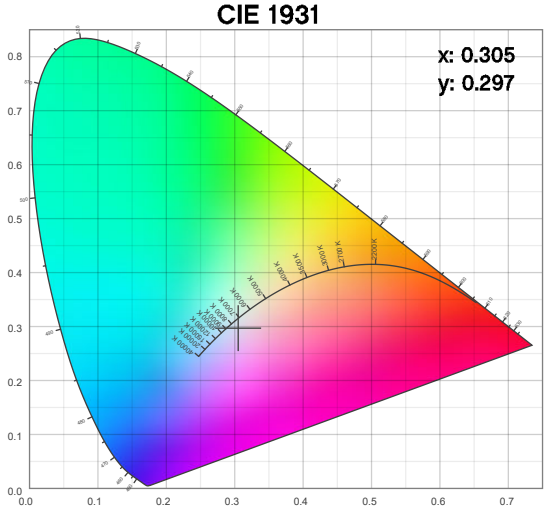
Angular Beam Distribution



Spectral Distribution



CIE 1931



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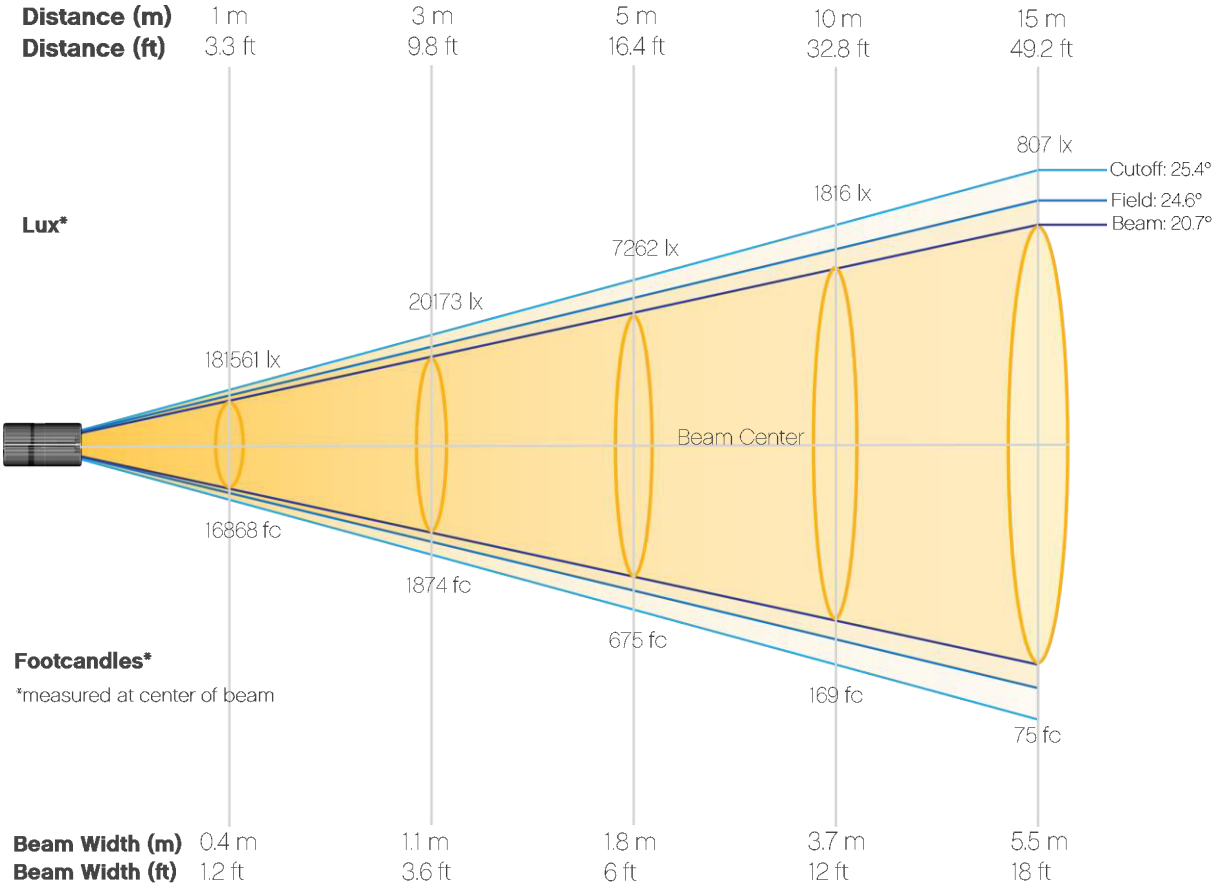
Photometric Report

Maverick MK3 Profile : 50% Zoom with CRI Filter, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	181561	45390	20173	11348	7262	5043	3705	2837	2241	1816
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1501	1261	1074	926	807	709	628	560	503	454
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	16868	4217	1874	1054	675	469	344	264	208	169
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	139	117	100	86	75	66	58	52	47	42

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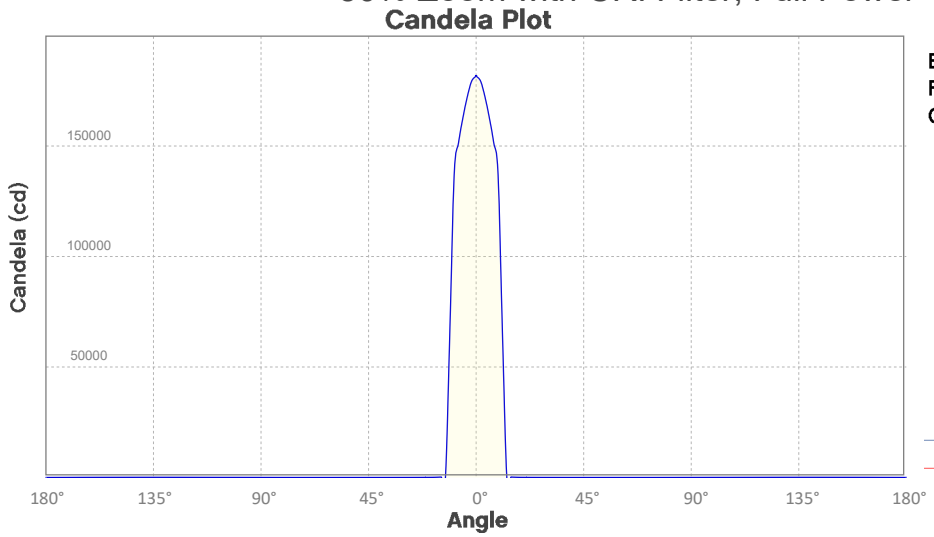
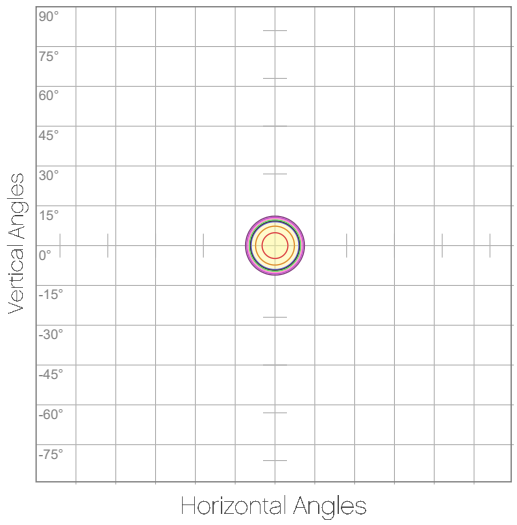
Photometric Report

Maverick MK3 Profile : 50% Zoom with CRI Filter, Full Power



Beam Angle (50%): 20.7°
Field Angle (10%): 24.6°
Cutoff Angle (3%): 25.4°

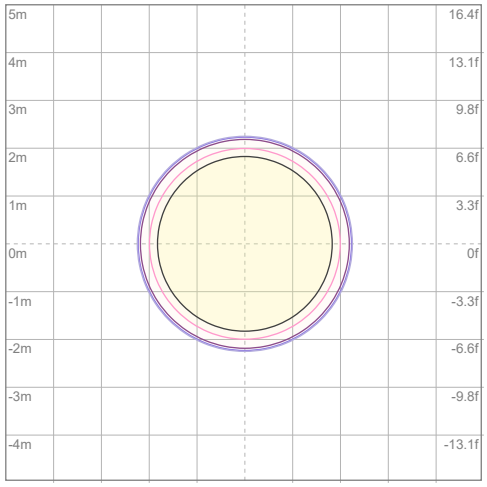
Polar Diagrams



iso-candela Diagram

10%	18156 cd
20%	36312 cd
30%	54468 cd
40%	72624 cd
50%	90780 cd
60%	108936 cd
70%	127092 cd
80%	145249 cd
90%	163405 cd

Conditions:
Number of c-planes: 2
Candela at center: 181561 cd



iso-illuminance Diagram

3%	54.5 lx
5%	90.8 lx
10%	182 lx
30%	545 lx
50%	908 lx

Conditions:
Number of c-planes: 2
Lux at center: 1816 lx

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

Mounting height: 10 meters / 33 feet

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Photometric Report

Maverick MK3 Profile : 50% Zoom with CTO Filter, Full Power

Report Summary

Output

Total Lumens: 10638 lm
Peak Intensity: 106565 cd
Illuminance @ 5m: 4263 lux
Fixture Efficacy: 10 lm/W

Optical

Horizontal Beam Angle (50%): 20.8°
Vertical Beam Angle (50%): 20.8°
Horizontal Field Angle (10%): 25°
Vertical Field Angle (10%): 25°
Horizontal Cutoff Angle (3%): 26.4°
Vertical Cutoff Angle (3%): 26.4°

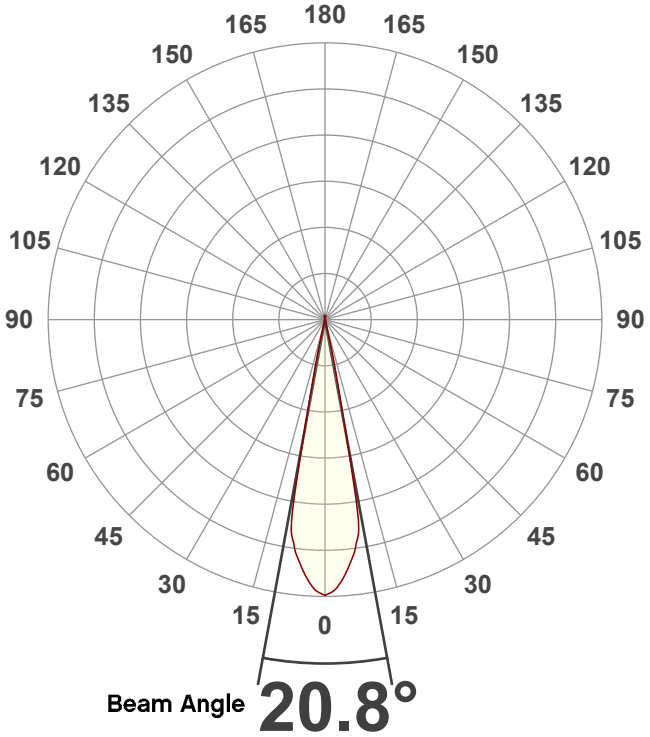
Conditions

AC Supply: 120 V, 0 Hz
Power: 1084.8 W
Current: 9.04 A
Power Factor: 1.0

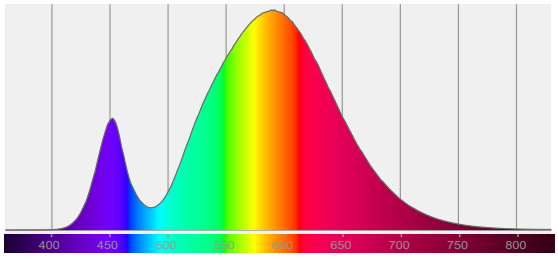
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 6/26/2019 to LM-63-2002 Standards.

Overall Measurement

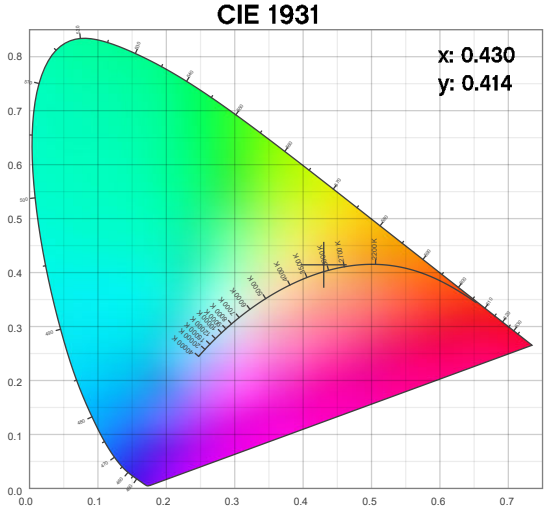
Angular Beam Distribution



Spectral Distribution



CIE 1931



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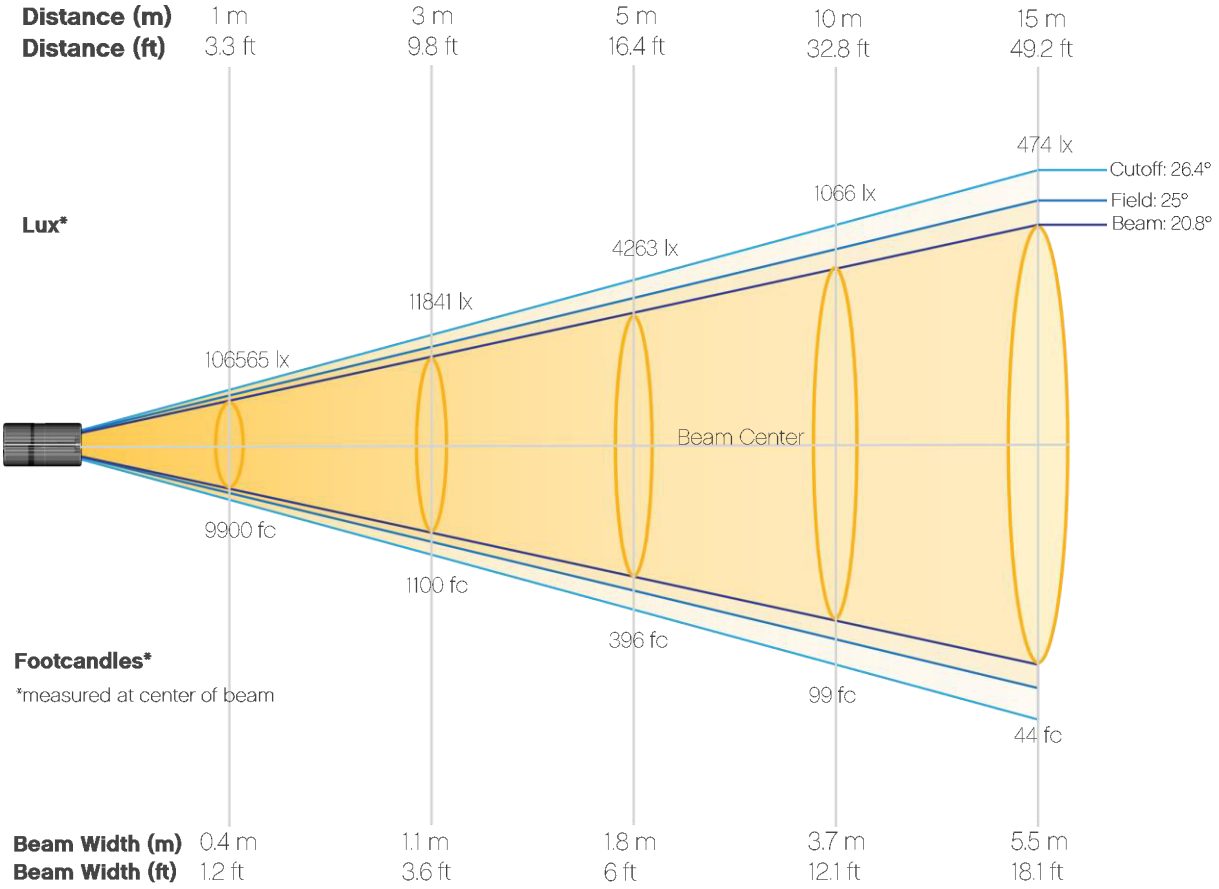
Photometric Report

Maverick MK3 Profile : 50% Zoom with CTO Filter, Full Power

Beam Details



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

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	106565	26641	11841	6660	4263	2960	2175	1665	1316	1066
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	881	740	631	544	474	416	369	329	295	266
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	9900	2475	1100	619	396	275	202	155	122	99
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	82	69	59	51	44	39	34	31	27	25

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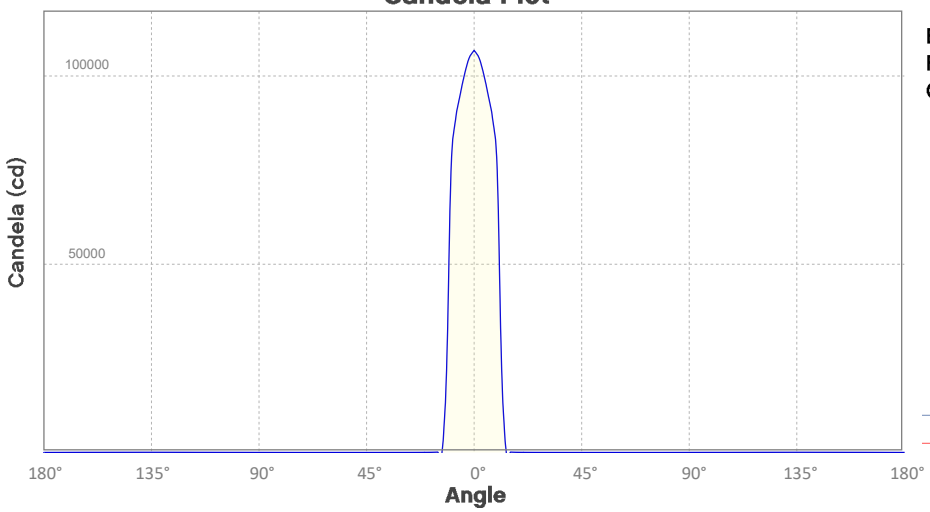
Photometric Report

Maverick MK3 Profile : 50% Zoom with CTO Filter, Full Power

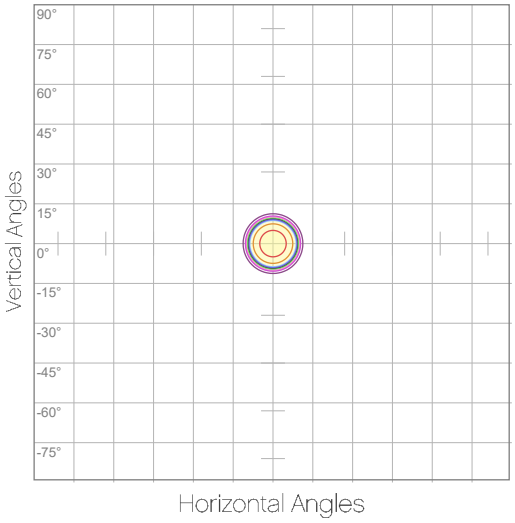
Candela Plot



Beam Angle (50%): 20.8°
Field Angle (10%): 25°
Cutoff Angle (3%): 26.4°

Horizontal Distribution
Vertical Distribution

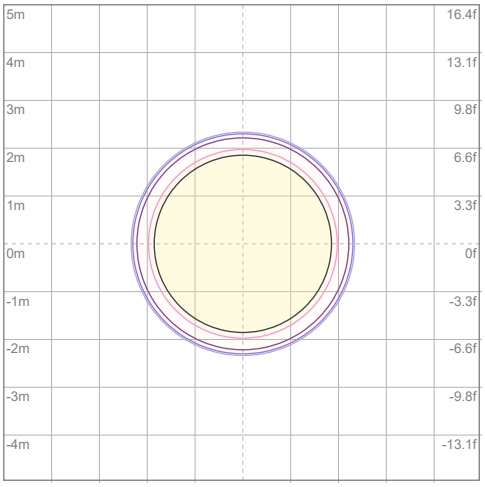
Polar Diagrams



iso-candela Diagram

10%	10657 cd
20%	21313 cd
30%	31970 cd
40%	42626 cd
50%	53283 cd
60%	63939 cd
70%	74596 cd
80%	85252 cd
90%	95909 cd

Conditions:
Number of c-planes: 2
Candela at center: 106565 cd



iso-illuminance Diagram

3%	32.0 lx
5%	53.3 lx
10%	107 lx
30%	320 lx
50%	533 lx

Conditions:
Number of c-planes: 2
Lux at center: 1066 lx

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

Mounting height: 10 meters / 33 feet

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Chromaticity Report

Maverick MK3 Profile : Full Flood, Full Power

Report Summary

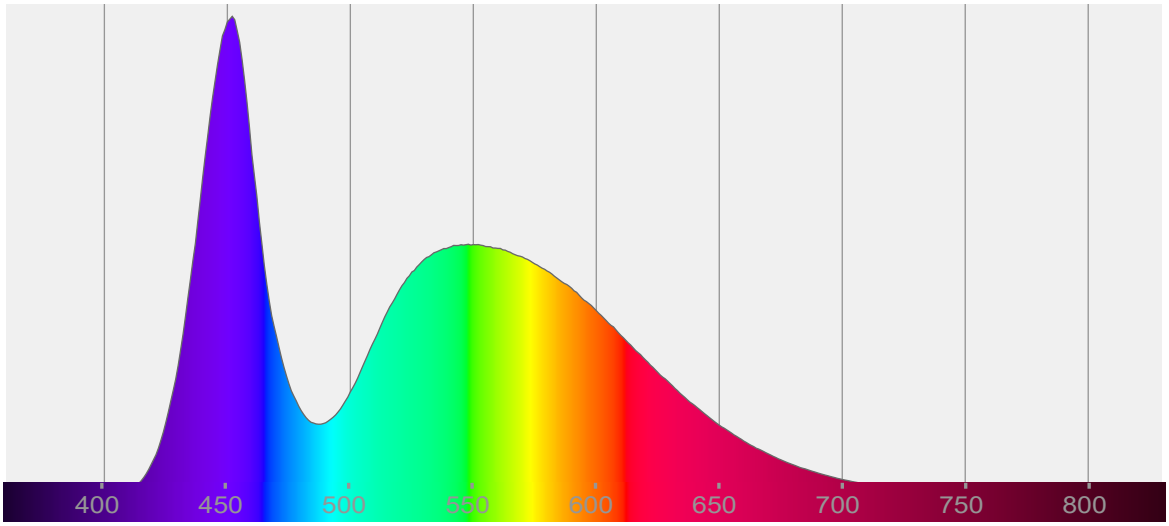
Measurements

Total Lumens: 27402 lm
Peak Intensity: 46489 cd
Fixture Efficacy: 25 lm/W

Correlated Color Temperature: 7212K
Δuv: 0.0002

CRI: 74.1 CRI R9 Value: -22.3
CQS: 71.2
TLCI: 52
TM-30-18 Rf: 71.6
TM-30-18 Rg: 92.6
1st Dominant Wavelength: 452 nM
2nd Dominant Wavelength: 548 nM

Spectral Distribution



Tested Color

7212 K
CIE 1931 Coordinates:
X: 0.303 Y: 0.319

Color Temperature

7212 K

Light Quality

CRI: 74.1

Notes:

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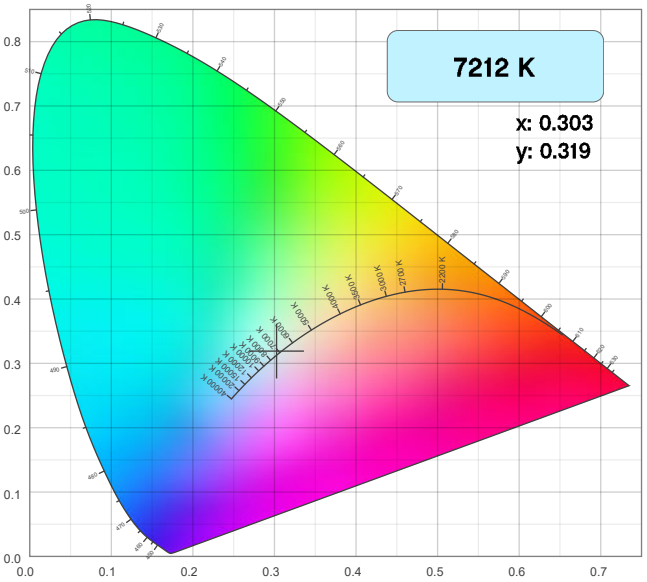
Chromaticity Report

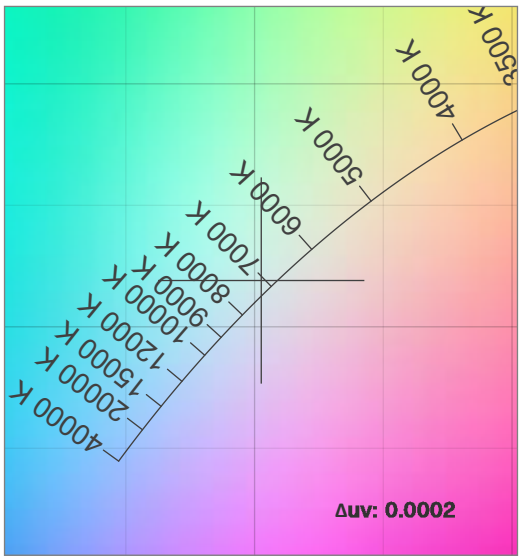
Maverick MK3 Profile : Full Flood, Full Power

Chromaticity

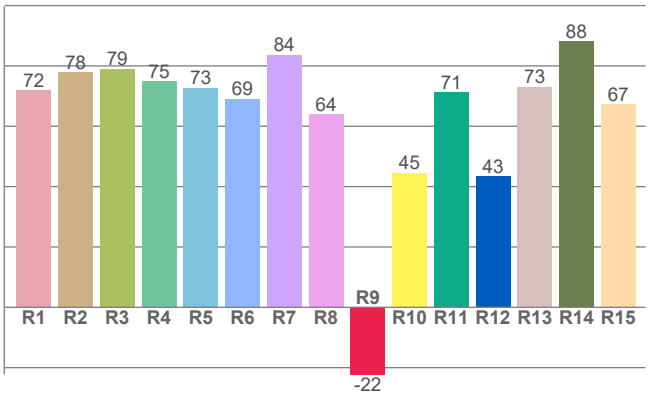
CIE 1931



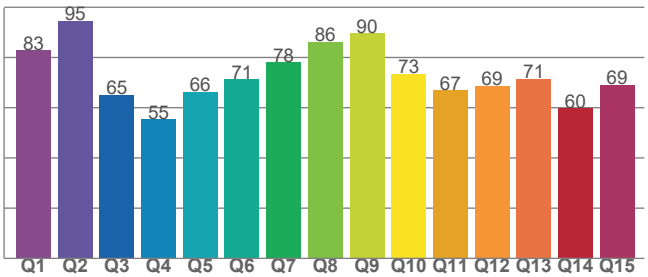
CIE 1931 - Zoom



CRI: 74.1 (R1-R8)



CQS: 71.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7212 K	0.303	0.319

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.319	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.1	-22.3	71.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
52	71.6	92.6

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Chromaticity Report

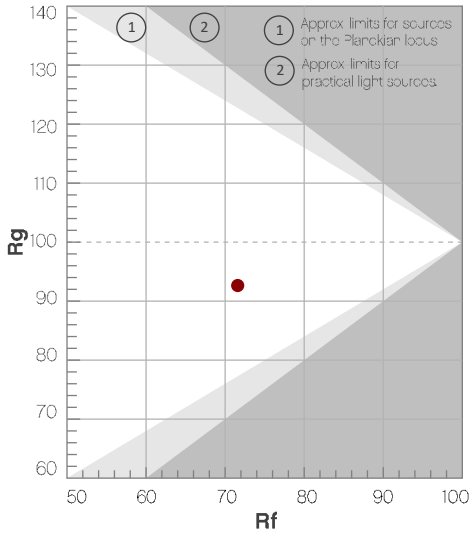
Maverick MK3 Profile : Full Flood, Full Power

TM-30-18 Details

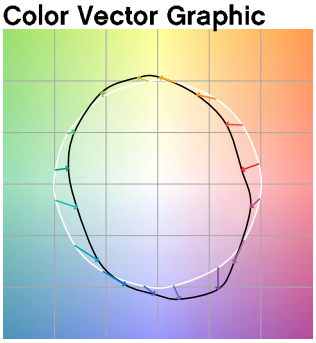
Rf 71.6
Fidelity Index (Rg)

Rg 92.6
Gamut Index (Rg)

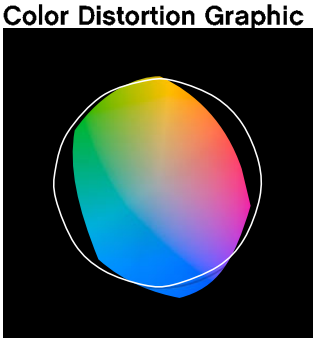
Hue Bin	R_f	Chroma Shift	Hue Shift
1	64	-17%	-3%
2	69	-13%	9%
3	66	-7%	18%
4	69	2%	17%
5	78	6%	9%
6	88	4%	-3%
7	89	-5%	-5%
8	76	-12%	-4%
9	72	-19%	11%
10	58	-11%	25%
11	44	-1%	25%
12	74	6%	12%
13	81	14%	3%
14	72	17%	-12%
15	67	4%	-23%
16	76	-7%	-9%



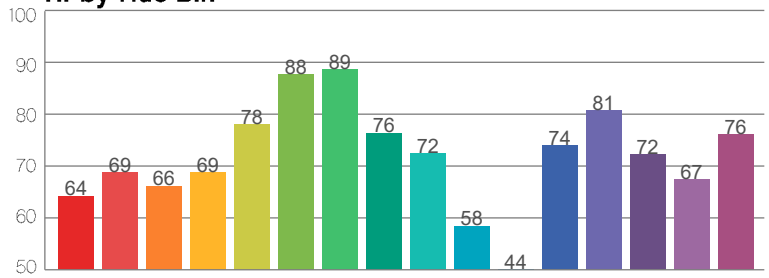
Color Vector Graphic



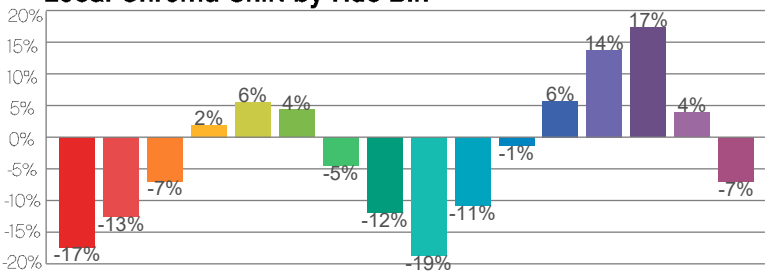
Color Distortion Graphic



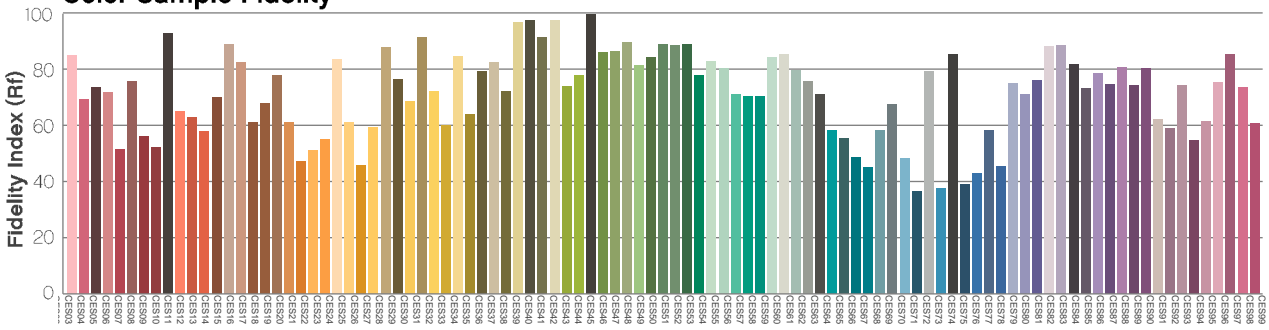
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick MK3 Profile : Full Flood with CRI Filter, Full Power

Report Summary

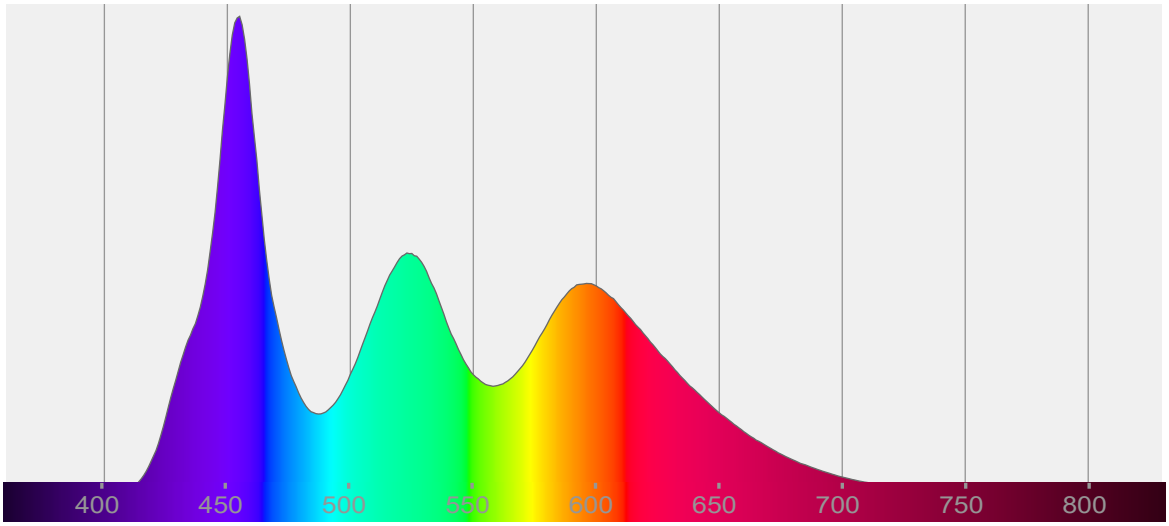
Measurements

Total Lumens: 18031 lm
Peak Intensity: 30539 cd
Fixture Efficacy: 17 lm/W

Correlated Color Temperature: 7386K
Δuv: -0.0137

CRI: 90.9 CRI R9 Value: 77.6
CQS: 91.4
TLCI: 83
TM-30-18 Rf: 87.8
TM-30-18 Rg: 104.2
1st Dominant Wavelength: 455 nM
2nd Dominant Wavelength: 523 nM

Spectral Distribution



Tested Color

7386 K
CIE 1931 Coordinates:
X: 0.306 Y: 0.296

Color Temperature

7386 K

Light Quality

CRI: 90.9

Notes:

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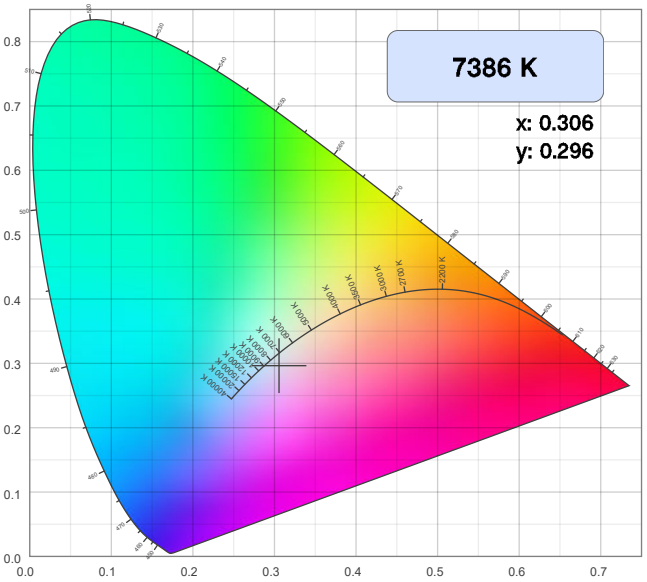
Chromaticity Report

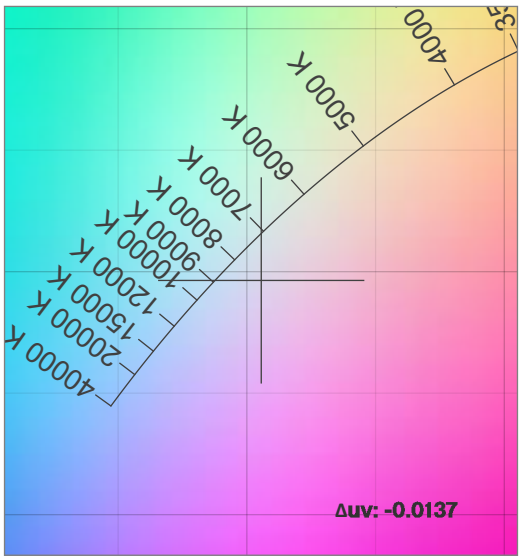
Maverick MK3 Profile : Full Flood with CRI Filter, Full Power

Chromaticity

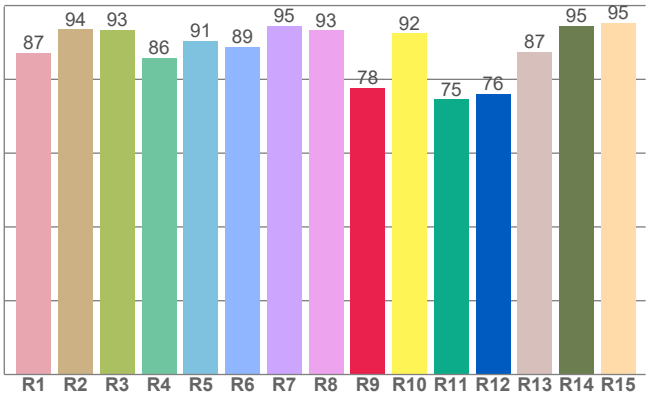
CIE 1931



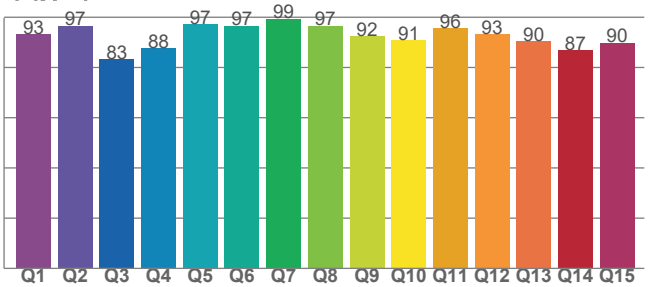
CIE 1931 - Zoom



CRI: 90.9 (R1-R8)



CQS: 91.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7386 K	0.306	0.296

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0137	0.296	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
90.9	77.6	91.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
83	87.8	104.2

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Chromaticity Report

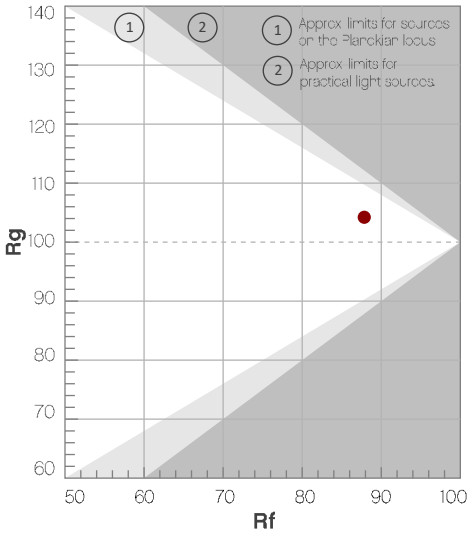
Maverick MK3 Profile : Full Flood with CRI Filter, Full Power

TM-30-18 Details

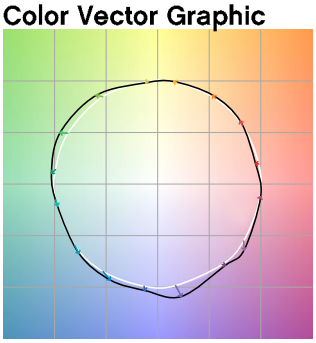
Rf 87.8
Fidelity Index (Rg)

Rg 104.2
Gamut Index (Rg)

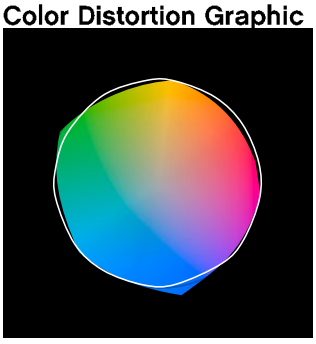
Hue Bin	R_f	Chroma Shift	Hue Shift
1	89	-3%	1%
2	87	1%	4%
3	91	1%	4%
4	92	1%	3%
5	89	-1%	2%
6	89	5%	5%
7	88	7%	4%
8	88	3%	4%
9	88	0%	6%
10	86	1%	9%
11	76	3%	10%
12	90	4%	2%
13	86	11%	3%
14	91	2%	2%
15	85	5%	-7%
16	91	0%	3%

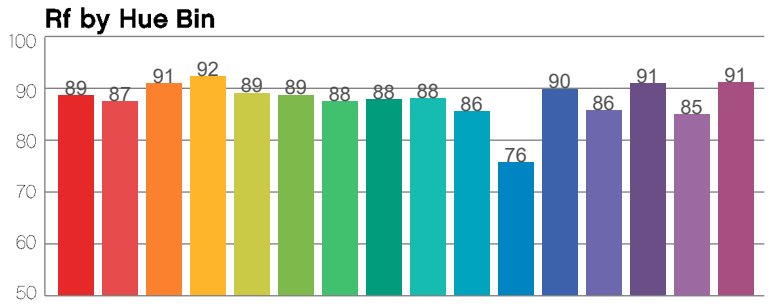


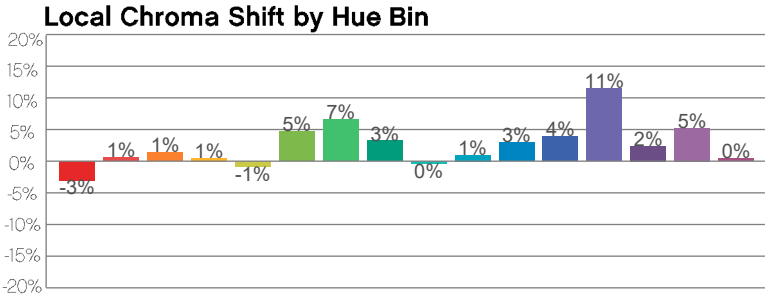
Color Vector Graphic

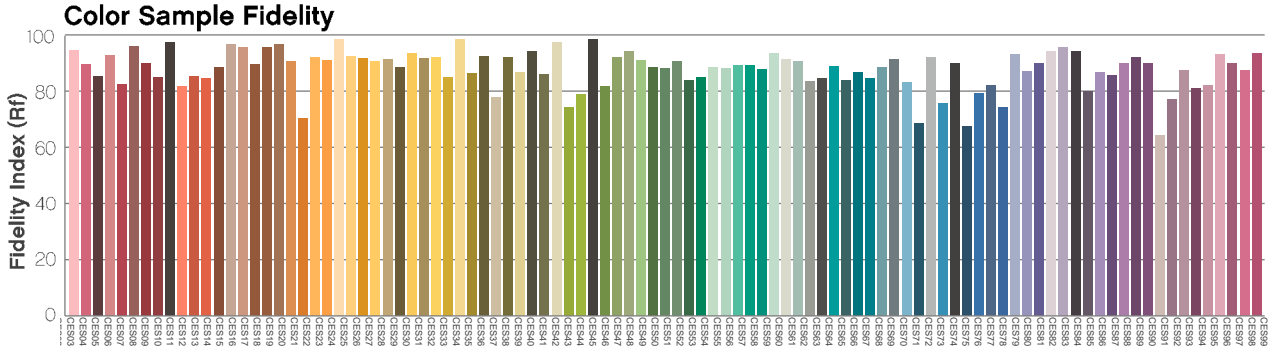


Color Distortion Graphic









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Chromaticity Report

Maverick MK3 Profile : Full Flood with CTO Filter, Full Power

Report Summary

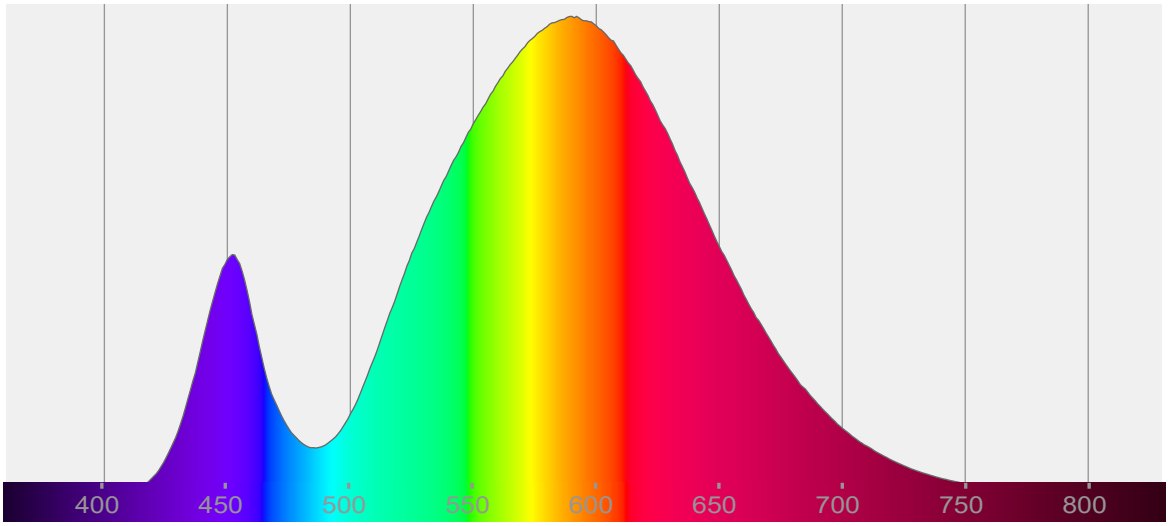
Measurements

Total Lumens: 10494 lm
Peak Intensity: 17661 cd
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 3186K
Δuv: 0.0049

CRI: 70.5 CRI R9 Value: -25.9
CQS: 71.3
TLCI: 48
TM-30-18 Rf: 71.8
TM-30-18 Rg: 93.1
1st Dominant Wavelength: 590 nM
2nd Dominant Wavelength: 452 nM

Spectral Distribution



Tested Color

3186 K
CIE 1931 Coordinates:
X: 0.431 Y: 0.414

Color Temperature

3186 K

Light Quality

CRI: 70.5

Notes:

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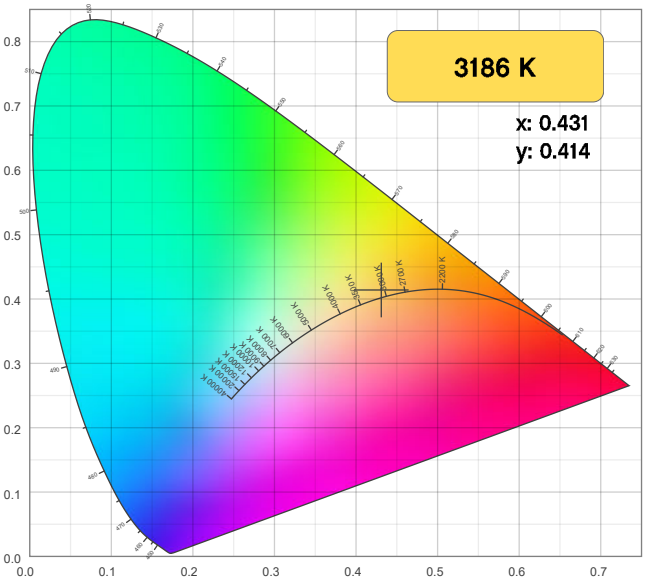
Chromaticity Report

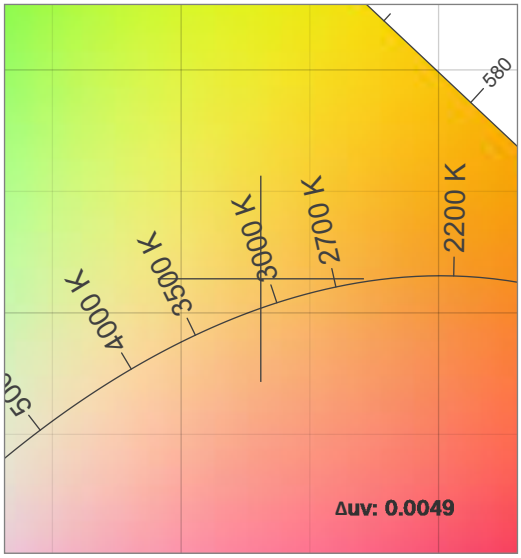
Maverick MK3 Profile : Full Flood with CTO Filter, Full Power

Chromaticity

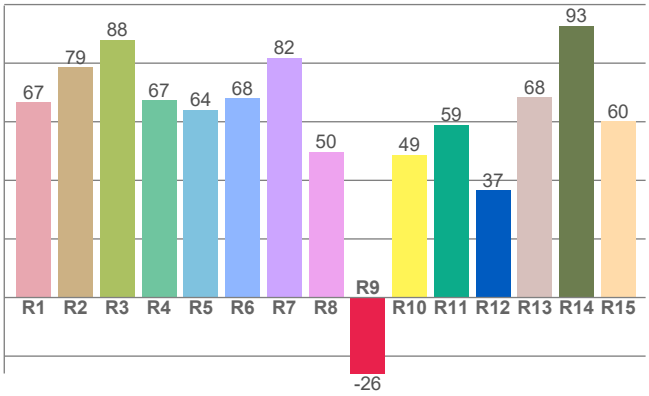
CIE 1931



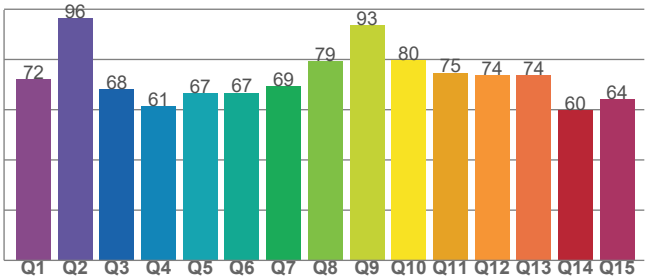
CIE 1931 - Zoom



CRI: 70.5 (R1-R8)



CQS: 71.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3186 K	0.431	0.414

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0049	0.414	0.243

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.5	-25.9	71.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
48	71.8	93.1

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Chromaticity Report

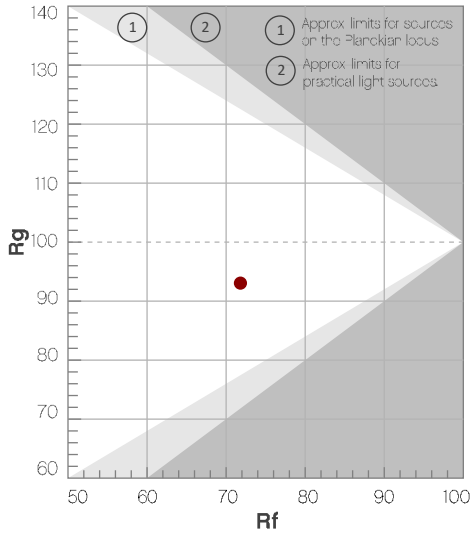
Maverick MK3 Profile : Full Flood with CTO Filter, Full Power

TM-30-18 Details

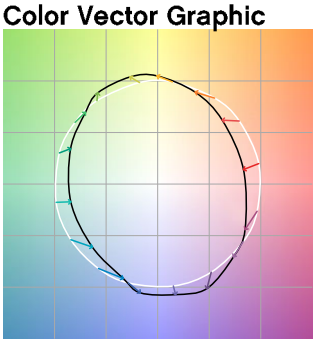
Rf 71.8
Fidelity Index (Rg)

Rg 93.1
Gamut Index (Rg)

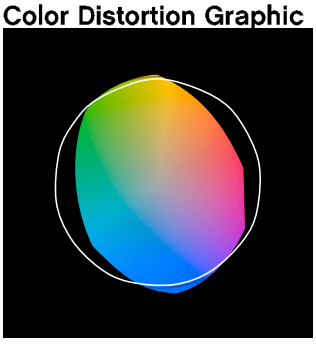
Hue Bin	R_f	Chroma Shift	Hue Shift
1	68	-16%	-3%
2	68	-13%	10%
3	59	-6%	19%
4	72	3%	16%
5	84	7%	8%
6	85	6%	-5%
7	75	-3%	-14%
8	79	-10%	-6%
9	77	-14%	2%
10	58	-13%	18%
11	58	-5%	25%
12	75	7%	13%
13	84	9%	0%
14	76	11%	-12%
15	70	0%	-17%
16	70	-8%	-20%



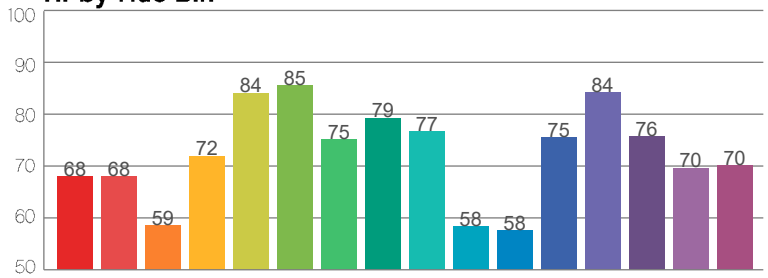
Color Vector Graphic



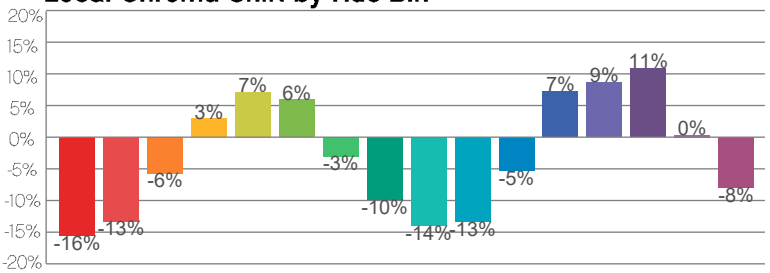
Color Distortion Graphic



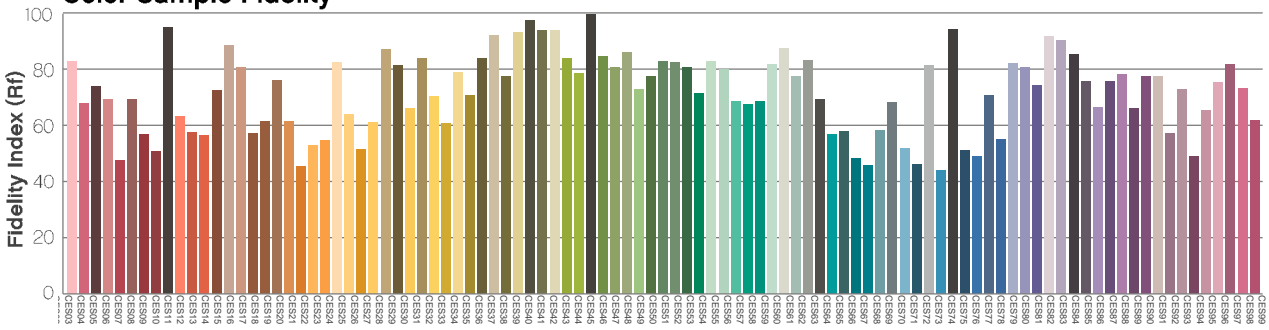
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick MK3 Profile : Full Spot, Full Power

Report Summary

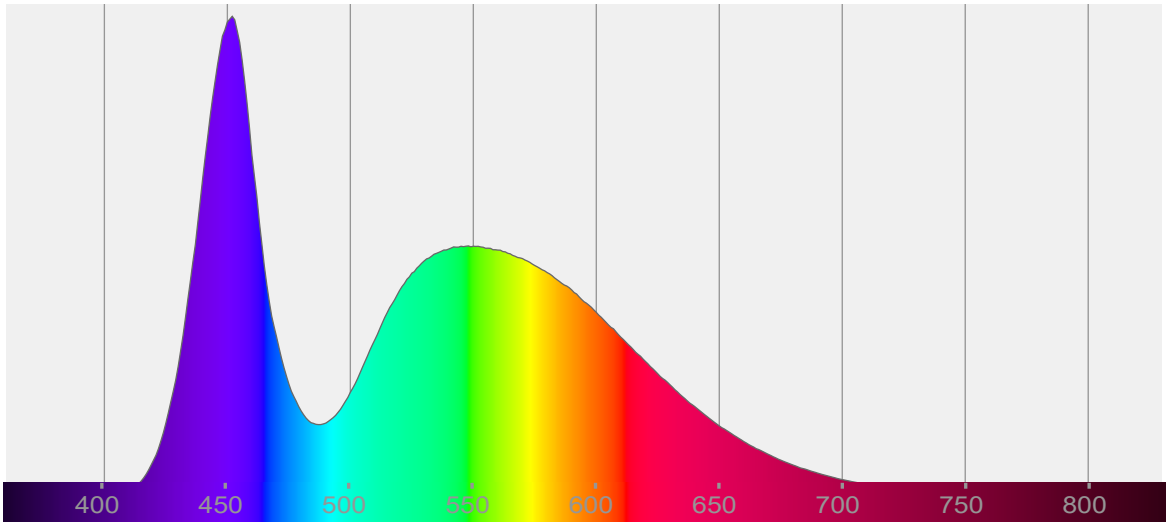
Measurements

Total Lumens: 13191 lm
Peak Intensity: 1471734 cd
Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 7258K
Δuv: 0.0002

CRI: 74.1 CRI R9 Value: -22.5
CQS: 71.2
TLCI: 52
TM-30-18 Rf: 71.5
TM-30-18 Rg: 92.6
1st Dominant Wavelength: 452 nM
2nd Dominant Wavelength: 548 nM

Spectral Distribution



Tested Color

7258 K
CIE 1931 Coordinates:
X: 0.302 Y: 0.319

Color Temperature

7258 K

Light Quality

CRI: 74.1

Notes:

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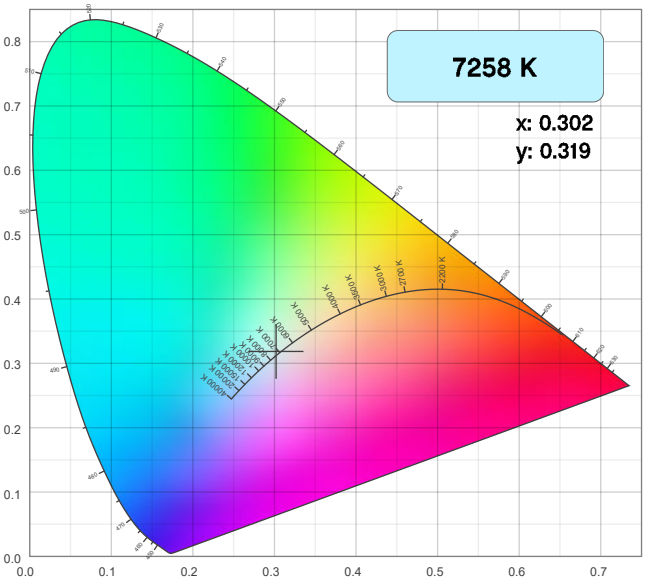
Chromaticity Report

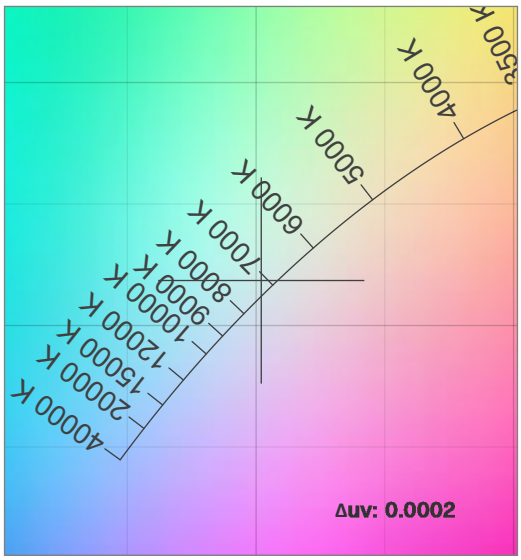
Maverick MK3 Profile : Full Spot, Full Power

Chromaticity

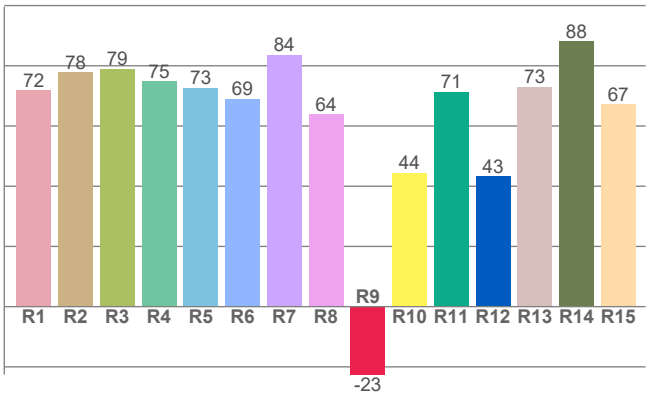
CIE 1931



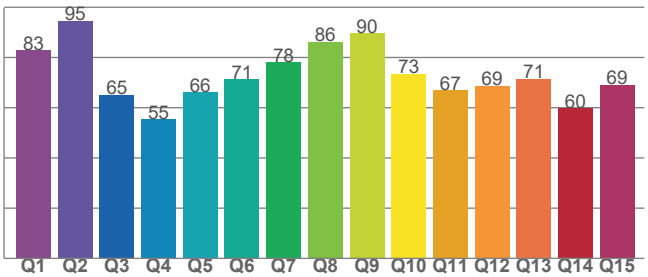
CIE 1931 - Zoom



CRI: 74.1 (R1-R8)



CQS: 71.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7258 K	0.302	0.319

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0002	0.319	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.1	-22.5	71.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
52	71.5	92.6

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Chromaticity Report

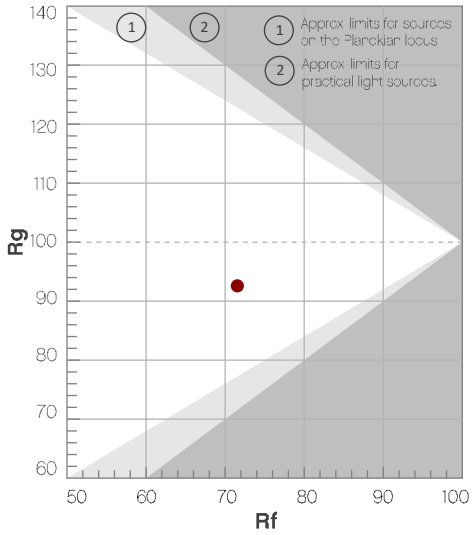
Maverick MK3 Profile : Full Spot, Full Power

TM-30-18 Details

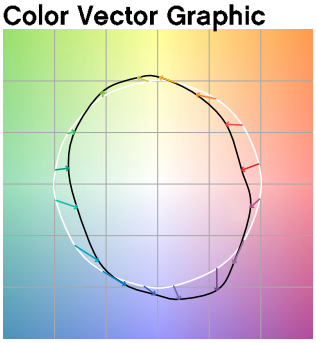
Rf 71.5
Fidelity Index (Rg)

Rg 92.6
Gamut Index (Rg)

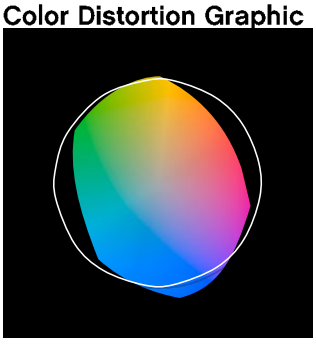
Hue Bin	R_f	Chroma Shift	Hue Shift
1	64	-17%	-3%
2	69	-13%	9%
3	66	-7%	18%
4	69	2%	17%
5	78	5%	9%
6	88	4%	-3%
7	89	-5%	-5%
8	76	-12%	-4%
9	72	-19%	11%
10	58	-11%	25%
11	44	-1%	25%
12	74	6%	12%
13	81	14%	3%
14	72	17%	-12%
15	67	4%	-23%
16	76	-7%	-10%



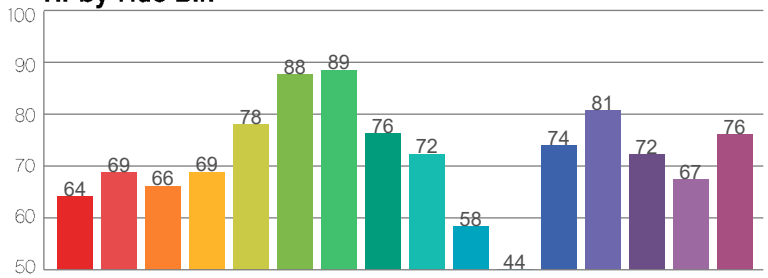
Color Vector Graphic



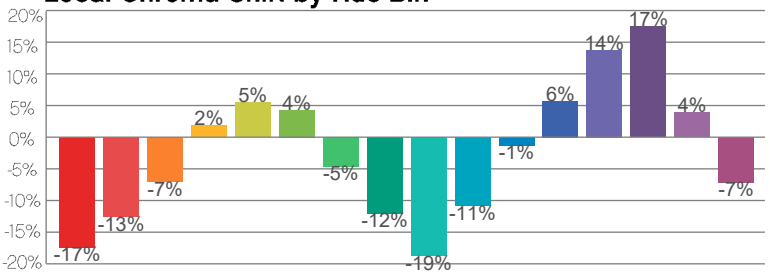
Color Distortion Graphic



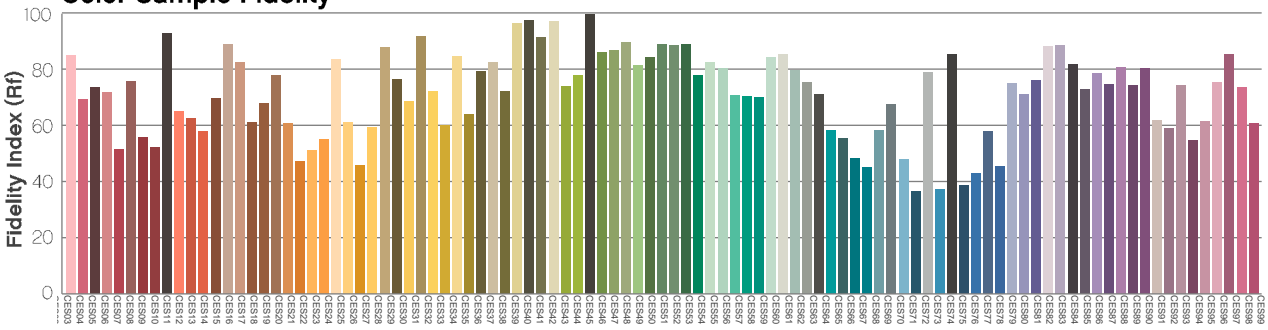
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick MK3 Profile : Full Spot with CRI Filter, Full Power

Report Summary

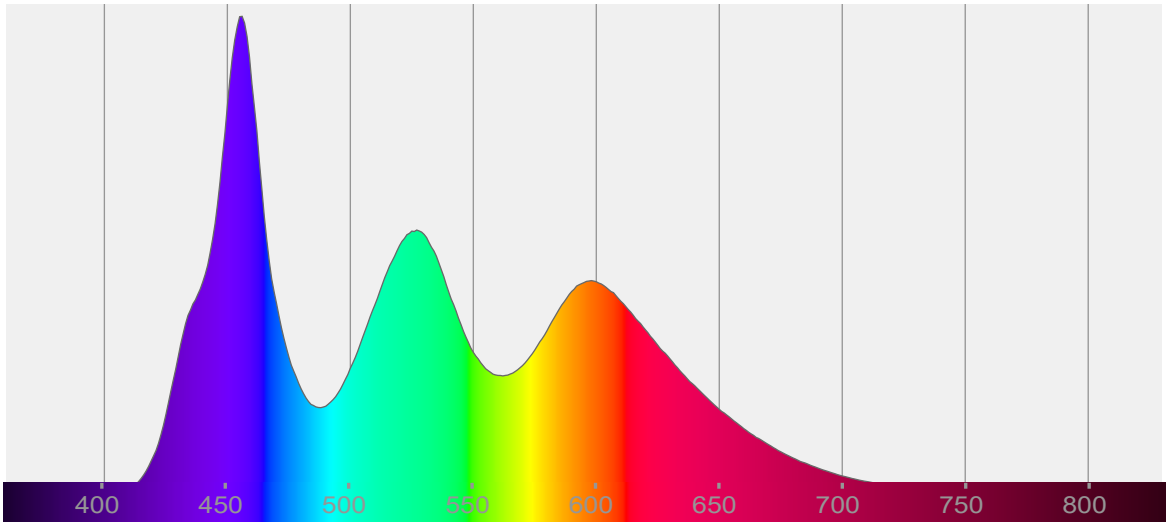
Measurements

Total Lumens: 8949 lm
Peak Intensity: 973161 cd
Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 7488K
Δuv: -0.0083

CRI: 92.5 CRI R9 Value: 74.4
CQS: 92.2
TLCI: 86
TM-30-18 Rf: 88.9
TM-30-18 Rg: 103.5
1st Dominant Wavelength: 456 nM
2nd Dominant Wavelength: 527 nM

Spectral Distribution



Tested Color

7488 K
CIE 1931 Coordinates:
X: 0.303 Y: 0.303

Color Temperature

7488 K

Light Quality

CRI: 92.5

Notes:

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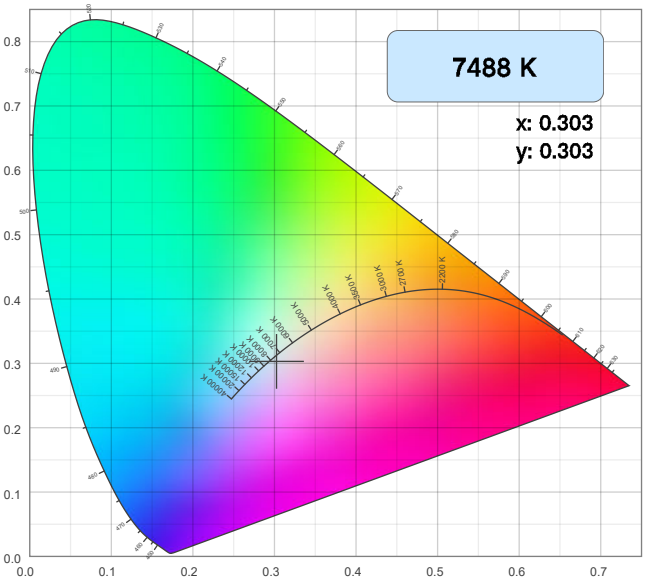
Chromaticity Report

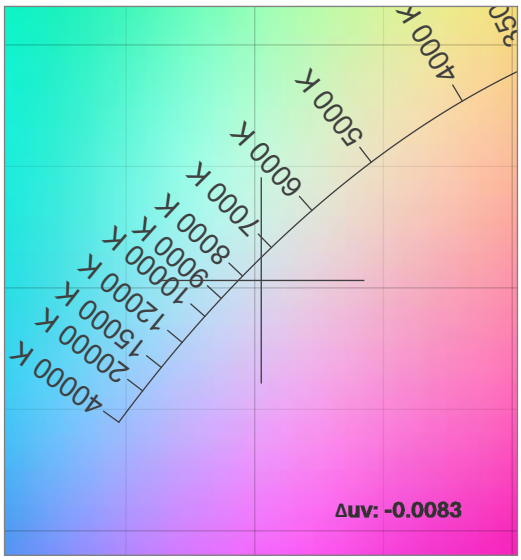
Maverick MK3 Profile : Full Spot with CRI Filter, Full Power

Chromaticity

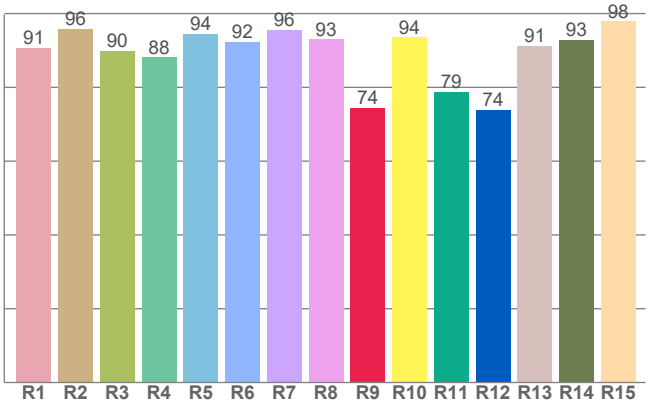
CIE 1931



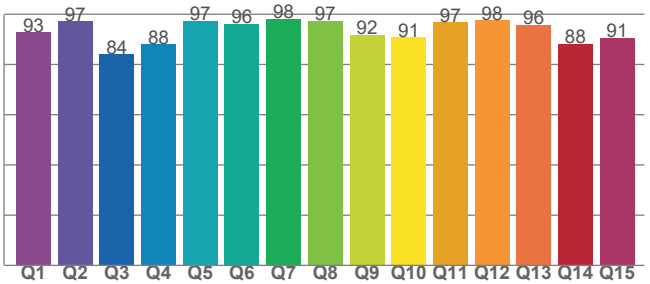
CIE 1931 - Zoom



CRI: 92.5 (R1-R8)



CQS: 92.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7488 K	0.303	0.303

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0083	0.303	0.201

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
92.5	74.4	92.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
86	88.9	103.5

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Chromaticity Report

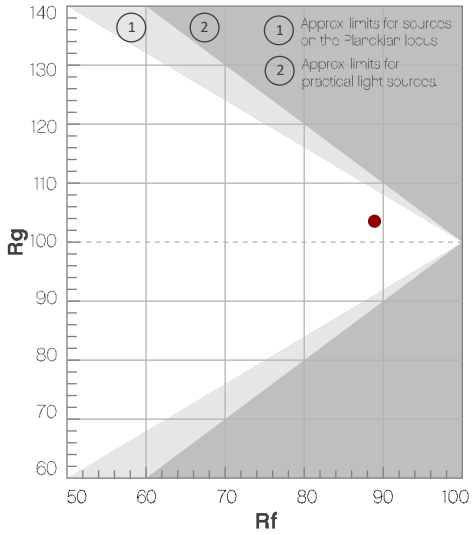
Maverick MK3 Profile : Full Spot with CRI Filter, Full Power

TM-30-18 Details

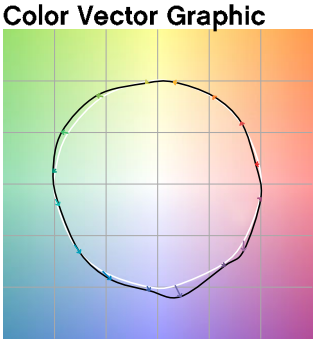
Rf 88.9
Fidelity Index (Rg)

Rg 103.5
Gamut Index (Rg)

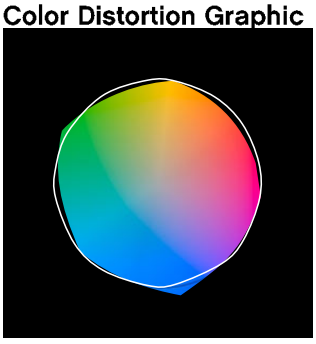
Hue Bin	R_f	Chroma Shift	Hue Shift
1	90	-3%	0%
2	92	1%	3%
3	93	1%	3%
4	93	0%	3%
5	89	-1%	2%
6	90	4%	4%
7	90	6%	2%
8	91	2%	3%
9	89	-2%	6%
10	85	0%	9%
11	76	2%	10%
12	91	3%	3%
13	85	11%	3%
14	91	2%	1%
15	85	5%	-7%
16	94	1%	1%



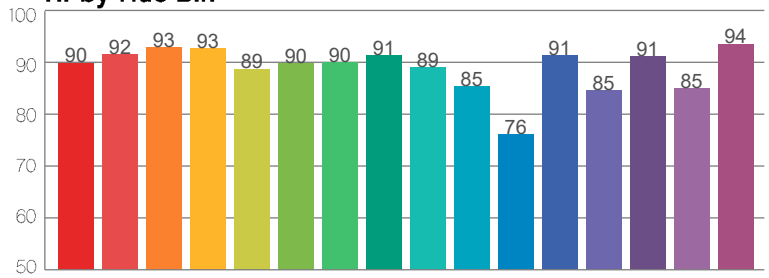
Color Vector Graphic



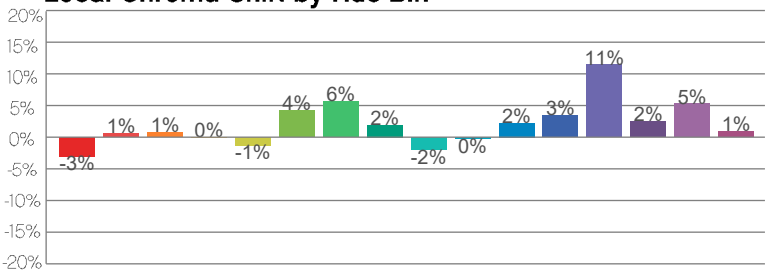
Color Distortion Graphic



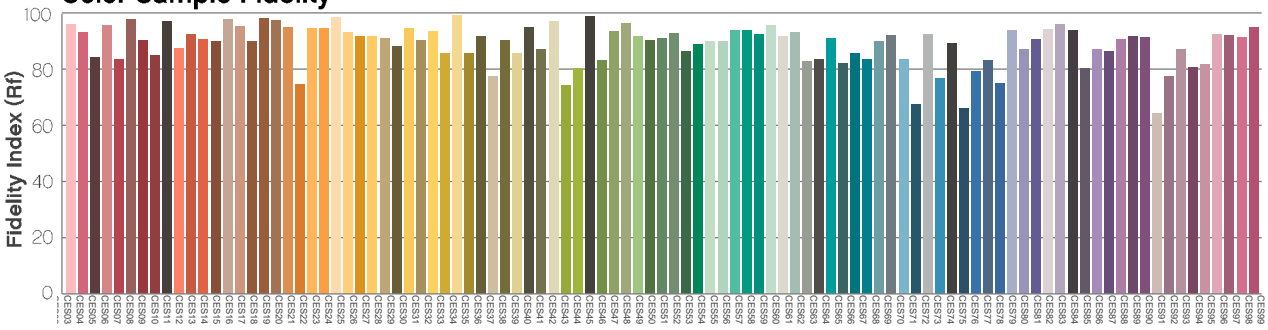
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick MK3 Profile : Full Spot with CTO Filter, Full Power

Report Summary

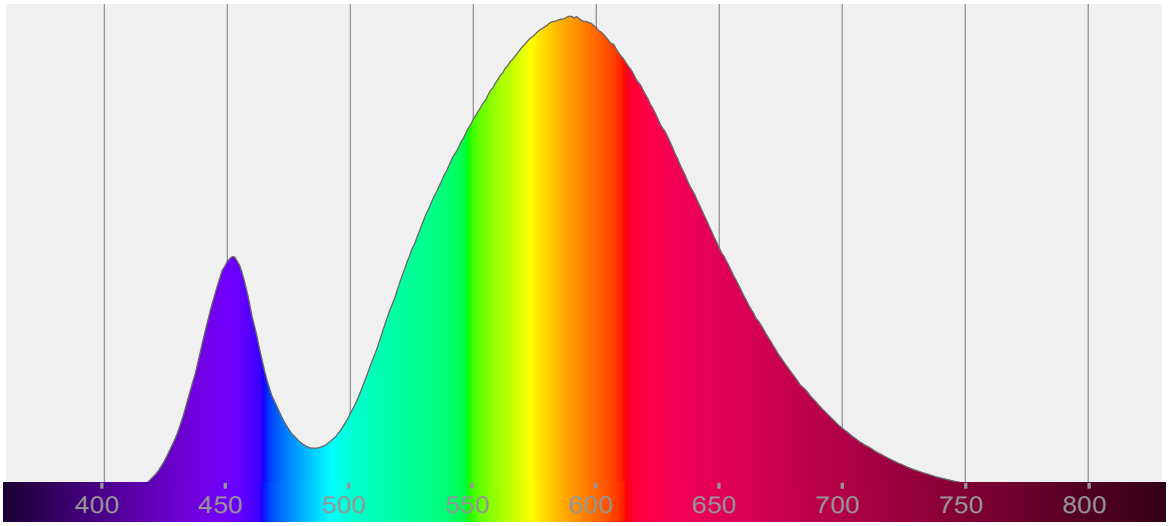
Measurements

Total Lumens: 5309 lm
Peak Intensity: 568851 cd
Fixture Efficacy: 5 lm/W

Correlated Color Temperature: 3212K
Δuv: 0.0056

CRI: 70.3 CRI R9 Value: -27.0
CQS: 71.3
TLCI: 48
TM-30-18 Rf: 71.8
TM-30-18 Rg: 92.8
1st Dominant Wavelength: 589 nM
2nd Dominant Wavelength: 452 nM

Spectral Distribution



Tested Color

3212 K
CIE 1931 Coordinates:
X: 0.430 Y: 0.416

Color Temperature

3212 K

Light Quality

CRI: 70.3

Notes:

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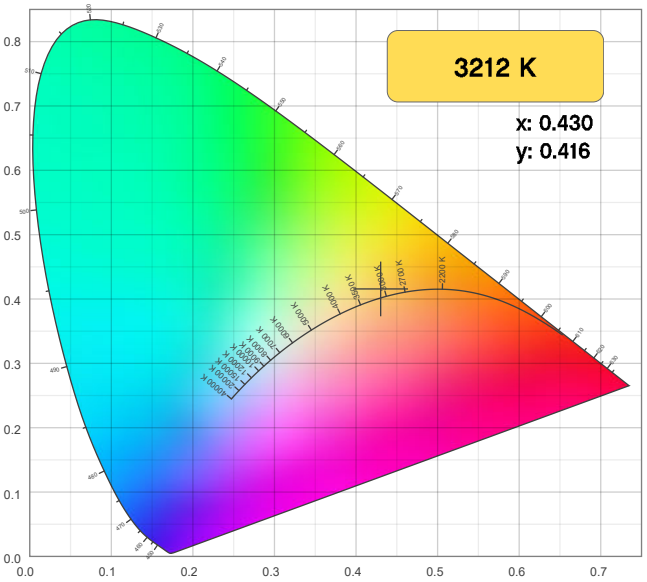
Chromaticity Report

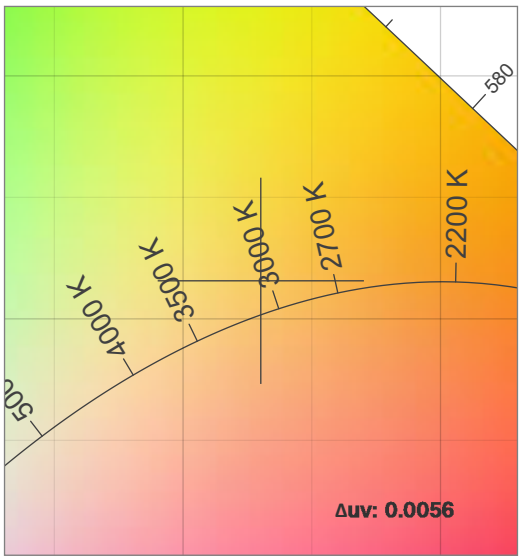
Maverick MK3 Profile : Full Spot with CTO Filter, Full Power

Chromaticity

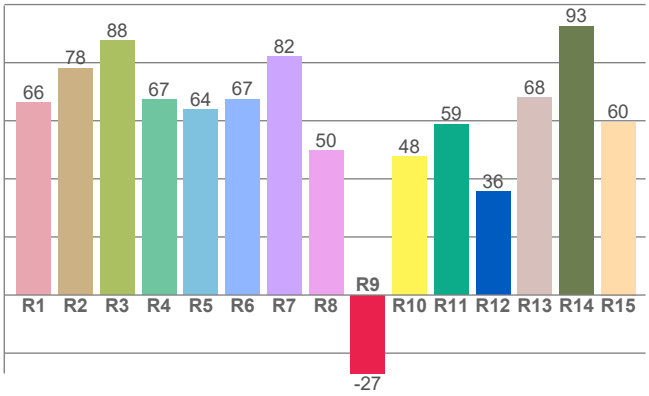
CIE 1931



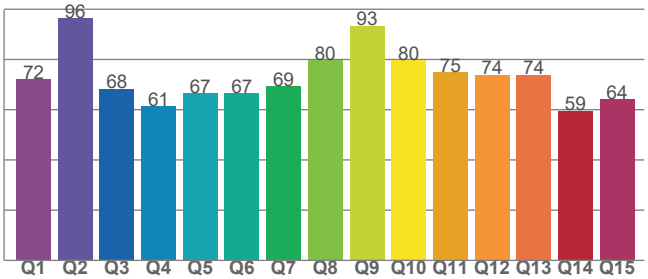
CIE 1931 - Zoom



CRI: 70.3 (R1-R8)



CQS: 71.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3212 K	0.430	0.416

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0056	0.416	0.241

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.3	-27.0	71.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
48	71.8	92.8

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Chromaticity Report

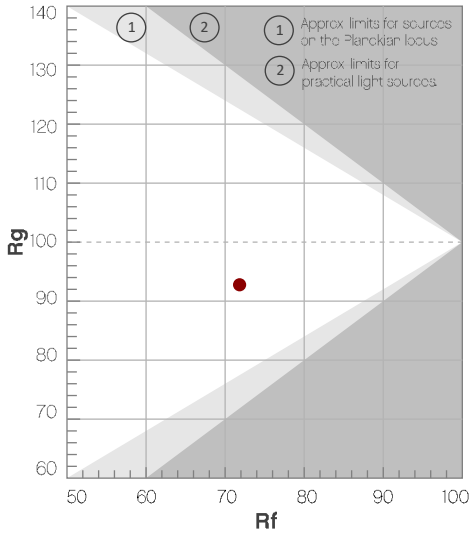
Maverick MK3 Profile : Full Spot with CTO Filter, Full Power

TM-30-18 Details

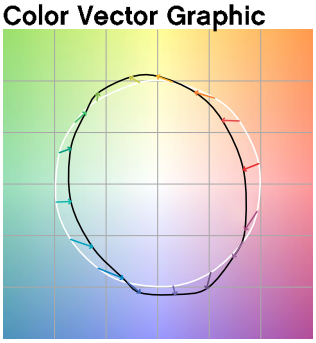
Rf 71.8
Fidelity Index (Rg)

Rg 92.8
Gamut Index (Rg)

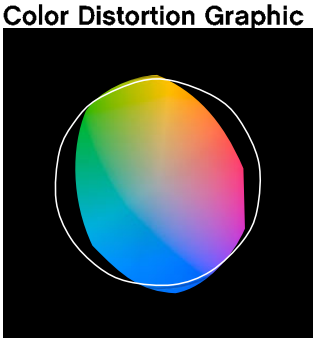
Hue Bin	R_f	Chroma Shift	Hue Shift
1	68	-16%	-3%
2	68	-13%	10%
3	59	-6%	19%
4	72	3%	16%
5	84	7%	8%
6	86	6%	-5%
7	75	-3%	-14%
8	79	-10%	-6%
9	76	-14%	2%
10	58	-14%	18%
11	58	-5%	25%
12	75	7%	13%
13	84	9%	1%
14	76	11%	-12%
15	70	0%	-17%
16	70	-8%	-20%



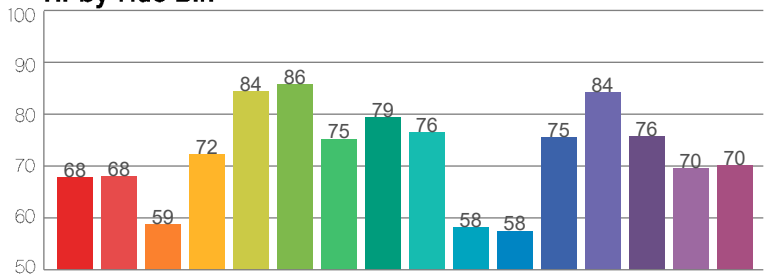
Color Vector Graphic



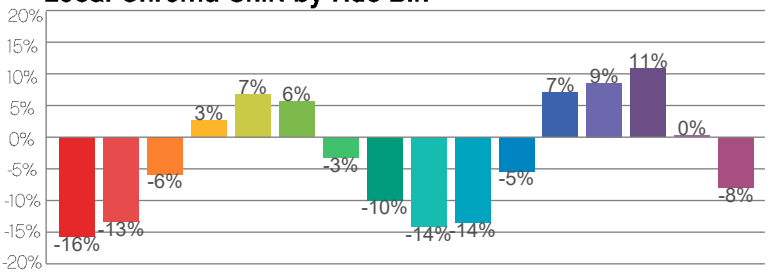
Color Distortion Graphic



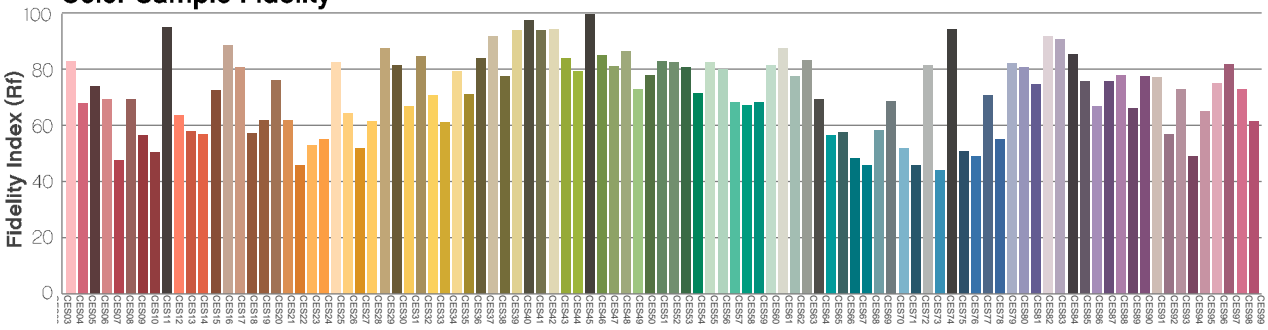
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick MK3 Profile : 50% Zoom, Full Power

Report Summary

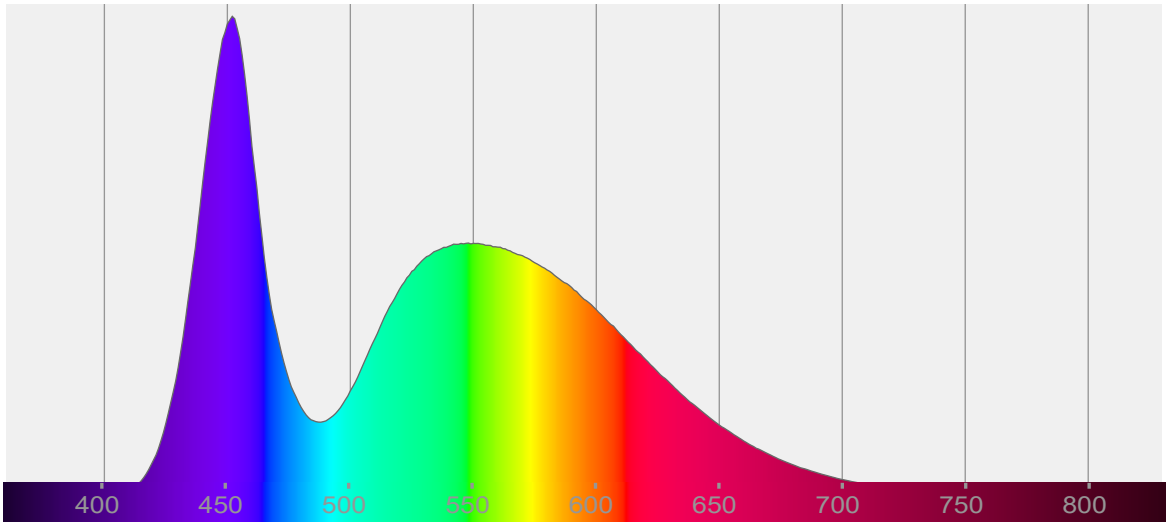
Measurements

Total Lumens: 26934 lm
Peak Intensity: 272567 cd
Fixture Efficacy: 25 lm/W

Correlated Color Temperature: 7215K
Δuv: 0.0004

CRI: 74.2 CRI R9 Value: -22.6
CQS: 71.3
TLCI: 52
TM-30-18 Rf: 71.8
TM-30-18 Rg: 92.4
1st Dominant Wavelength: 452 nM
2nd Dominant Wavelength: 548 nM

Spectral Distribution



Tested Color

7215 K
CIE 1931 Coordinates:
X: 0.302 Y: 0.319

Color Temperature

7215 K

Light Quality

CRI: 74.2

Notes:

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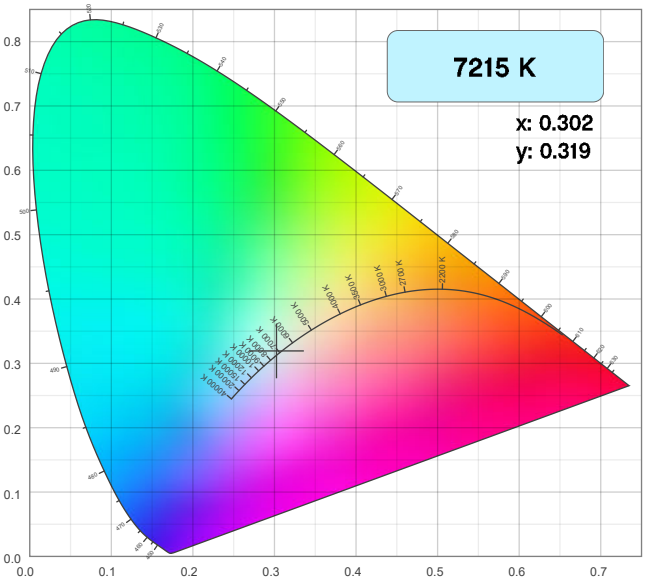
Chromaticity Report

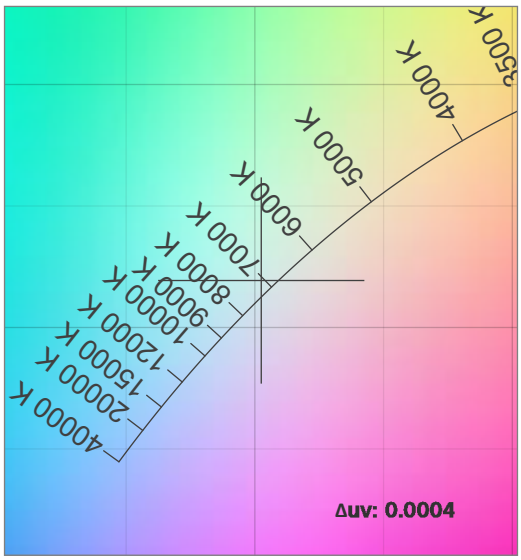
Maverick MK3 Profile : 50% Zoom, Full Power

Chromaticity

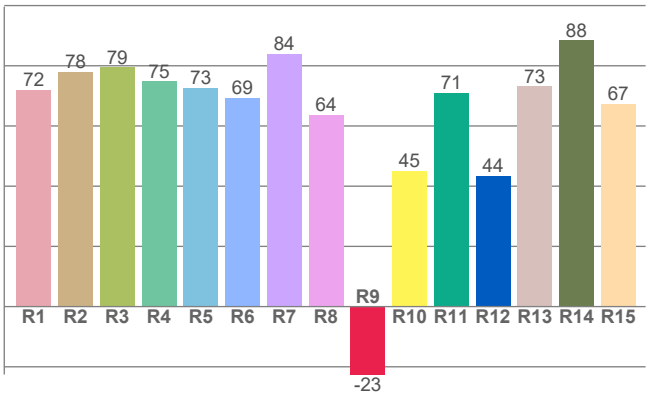
CIE 1931



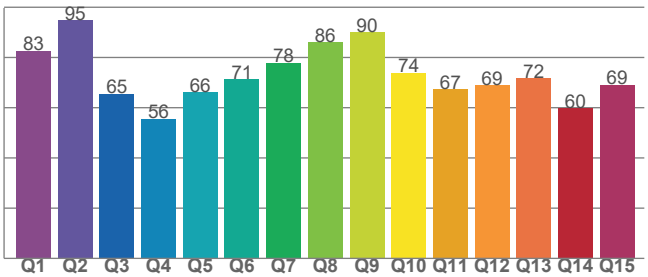
CIE 1931 - Zoom



CRI: 74.2 (R1-R8)



CQS: 71.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7215 K	0.302	0.319

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0004	0.319	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.2	-22.6	71.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
52	71.8	92.4

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Chromaticity Report

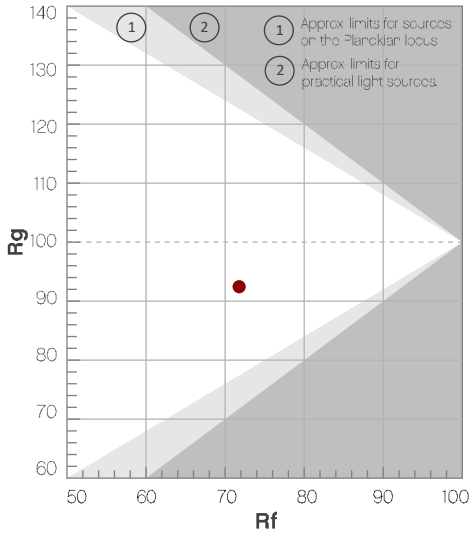
Maverick MK3 Profile : 50% Zoom, Full Power

TM-30-18 Details

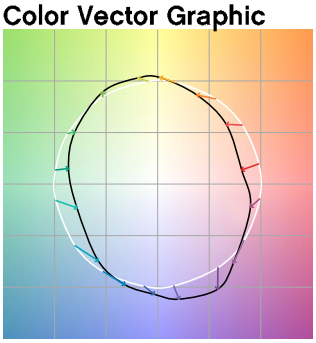
Rf 71.8
Fidelity Index (Rg)

Rg 92.4
Gamut Index (Rg)

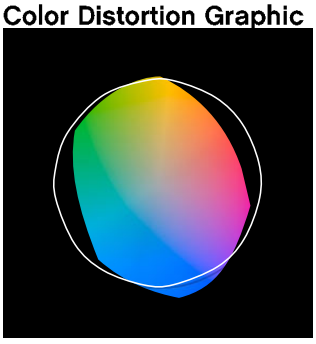
Hue Bin	R_f	Chroma Shift	Hue Shift
1	64	-17%	-3%
2	69	-13%	9%
3	67	-7%	17%
4	69	2%	17%
5	78	5%	9%
6	88	4%	-3%
7	88	-5%	-5%
8	76	-12%	-4%
9	72	-19%	11%
10	59	-11%	25%
11	45	-1%	25%
12	75	6%	11%
13	81	14%	3%
14	72	17%	-12%
15	67	4%	-24%
16	76	-7%	-9%



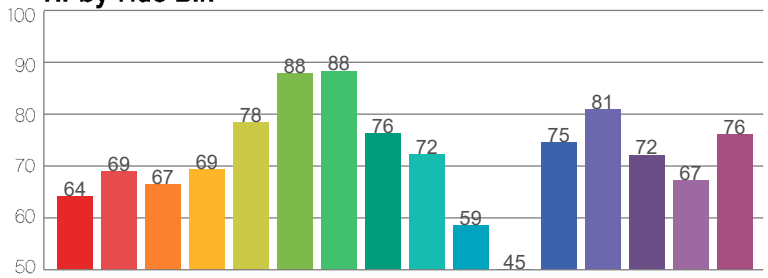
Color Vector Graphic



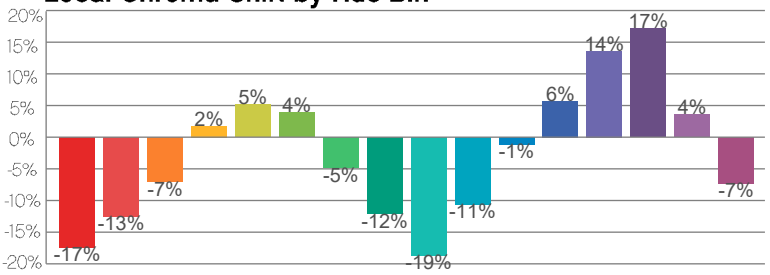
Color Distortion Graphic



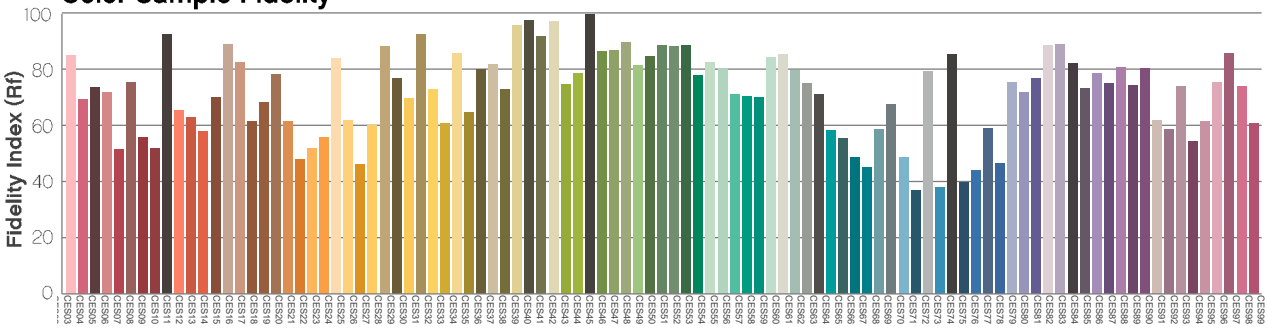
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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Chromaticity Report

Maverick MK3 Profile : 50% Zoom with CRI Filter, Full Power

Report Summary

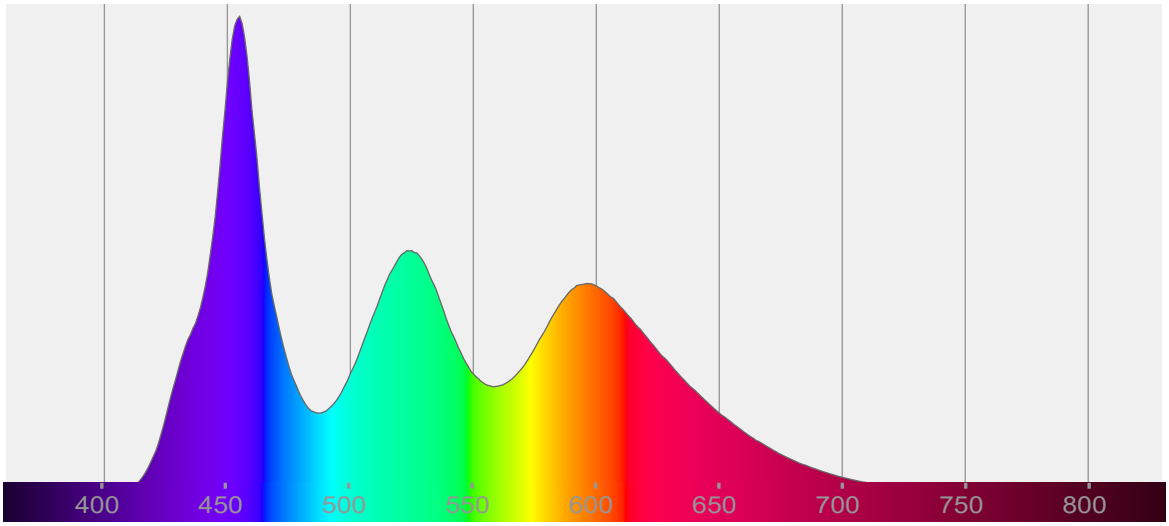
Measurements

Total Lumens: 17896 lm
Peak Intensity: 181561 cd
Fixture Efficacy: 16 lm/W

Correlated Color Temperature: 7417K
Δuv: -0.0131

CRI: 91.0 CRI R9 Value: 77.9
CQS: 91.7
TLCI: 84
TM-30-18 Rf: 88.1
TM-30-18 Rg: 104.1
1st Dominant Wavelength: 455 nM
2nd Dominant Wavelength: 523 nM

Spectral Distribution



Tested Color

7417 K
CIE 1931 Coordinates:
X: 0.305 Y: 0.297

Color Temperature

7417 K

Light Quality

CRI: 91.0

Notes:

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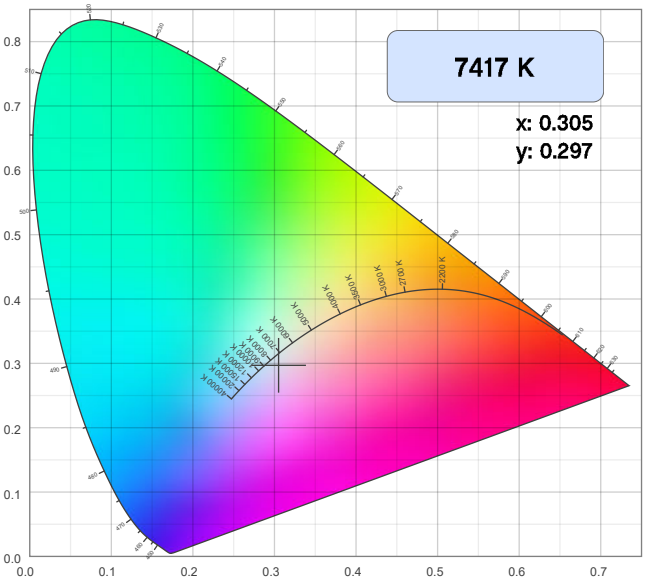
Chromaticity Report

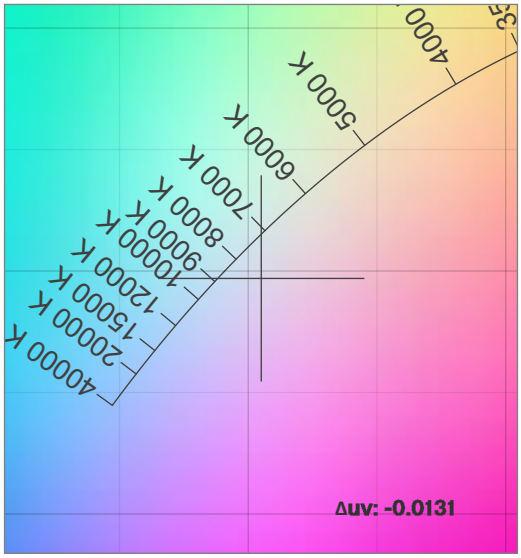
Maverick MK3 Profile : 50% Zoom with CRI Filter, Full Power

Chromaticity

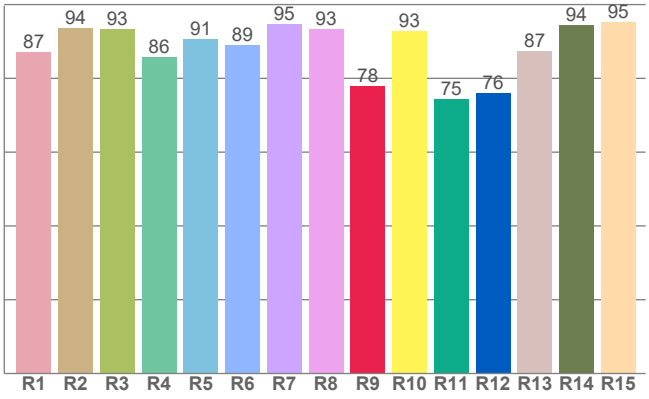
CIE 1931



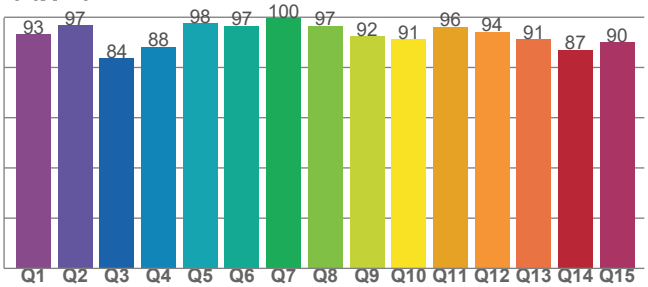
CIE 1931 - Zoom



CRI: 91.0 (R1-R8)



CQS: 91.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7417 K	0.305	0.297

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0131	0.297	0.205

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.0	77.9	91.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
84	88.1	104.1

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Chromaticity Report

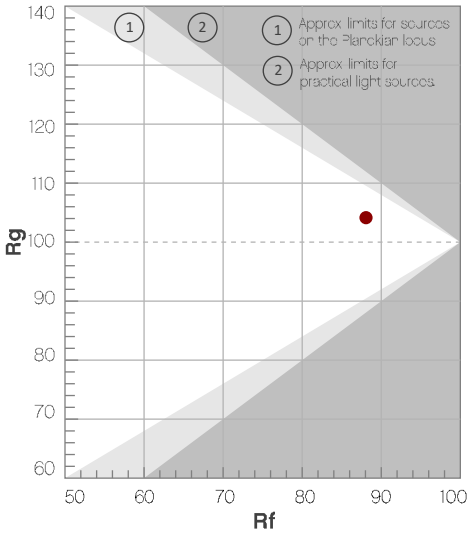
Maverick MK3 Profile : 50% Zoom with CRI Filter, Full Power

TM-30-18 Details

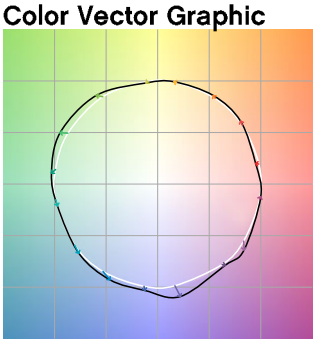
Rf 88.1
Fidelity Index (Rg)

Rg 104.1
Gamut Index (Rg)

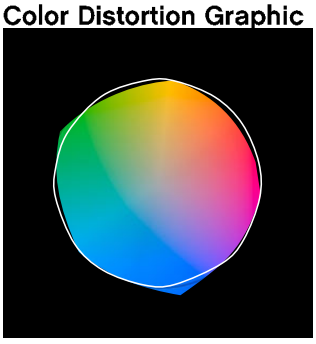
Hue Bin	R_f	Chroma Shift	Hue Shift
1	89	-3%	1%
2	88	1%	4%
3	91	1%	3%
4	93	0%	3%
5	89	-1%	2%
6	89	5%	5%
7	88	7%	4%
8	88	3%	4%
9	88	0%	6%
10	86	1%	9%
11	76	3%	10%
12	90	4%	2%
13	86	11%	3%
14	91	2%	2%
15	85	5%	-7%
16	91	1%	3%

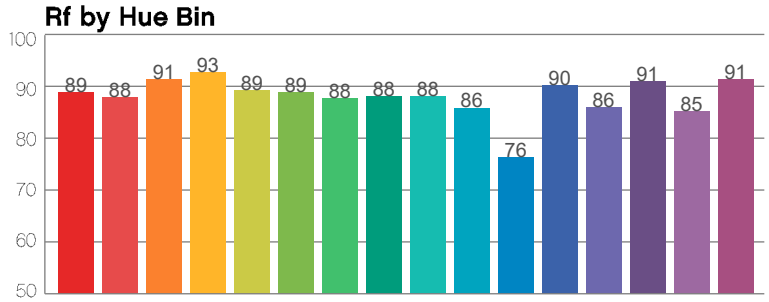


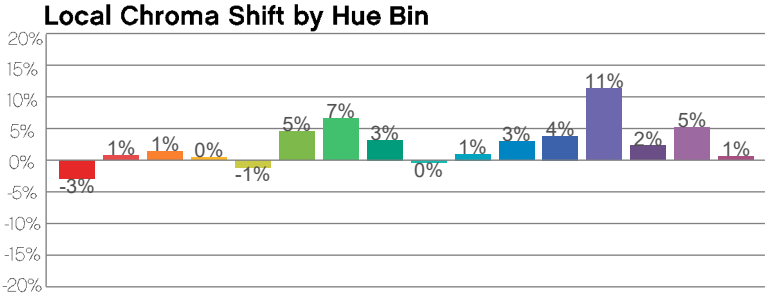
Color Vector Graphic

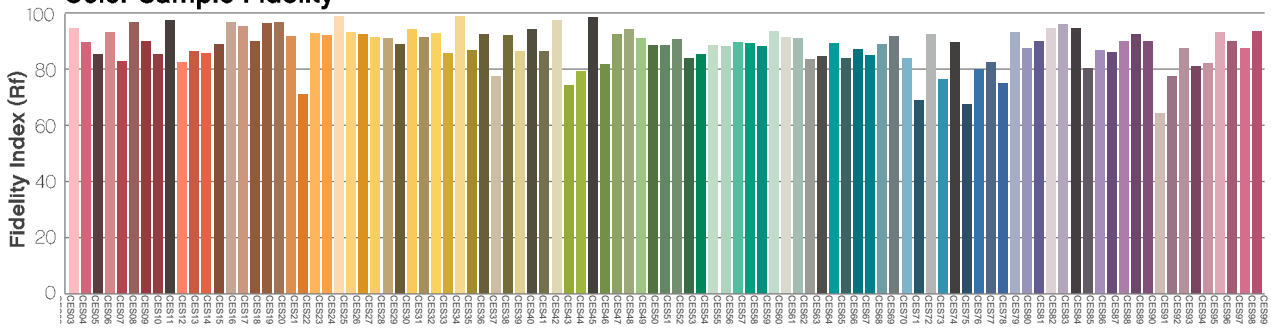


Color Distortion Graphic









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Chromaticity Report

Maverick MK3 Profile : 50% Zoom with CTO Filter, Full Power

Report Summary

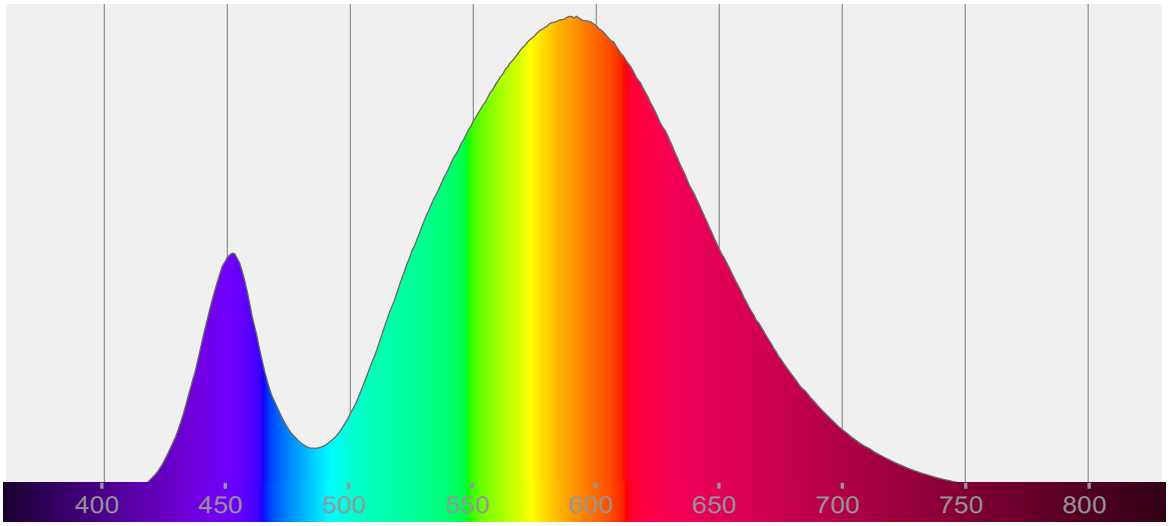
Measurements

Total Lumens: 10638 lm
Peak Intensity: 106565 cd
Fixture Efficacy: 10 lm/W

Correlated Color Temperature: 3203K
Δuv: 0.0051

CRI: 70.4 CRI R9 Value: -26.9
CQS: 71.2
TLCI: 48
TM-30-18 Rf: 71.7
TM-30-18 Rg: 93.0
1st Dominant Wavelength: 592 nM
2nd Dominant Wavelength: 452 nM

Spectral Distribution



Tested Color

3203 K
CIE 1931 Coordinates:
X: 0.430 Y: 0.414

Color Temperature

3203 K

Light Quality

CRI: 70.4

Notes:

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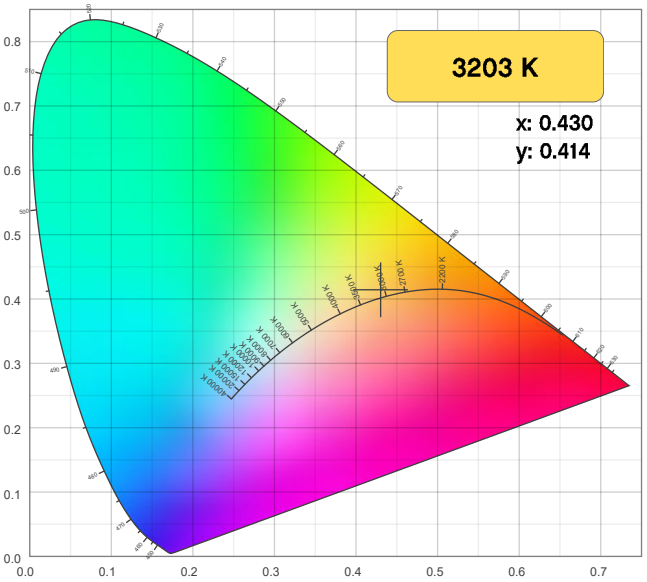
Chromaticity Report

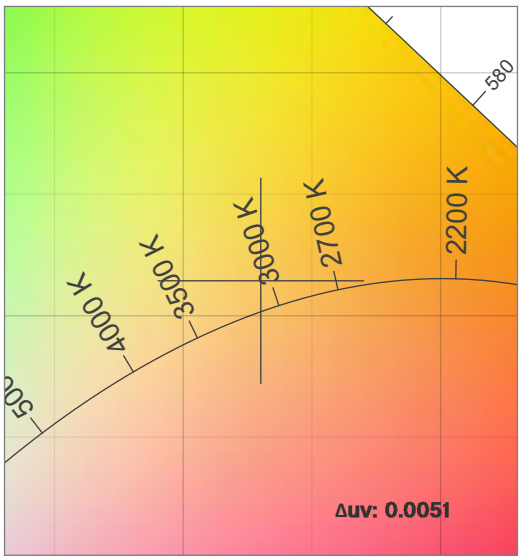
Maverick MK3 Profile : 50% Zoom with CTO Filter, Full Power

Chromaticity

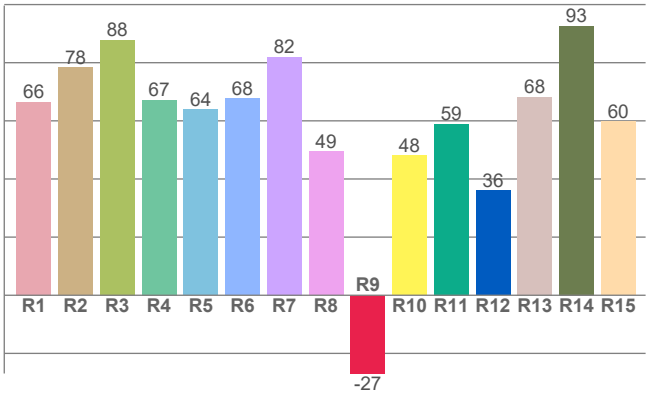
CIE 1931



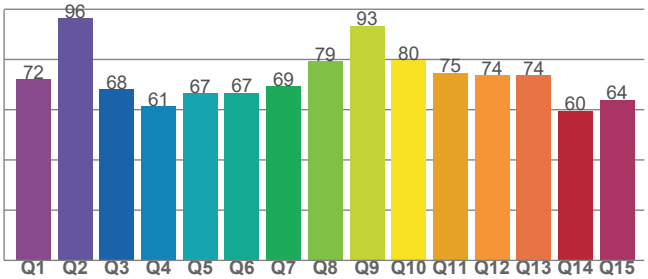
CIE 1931 - Zoom



CRI: 70.4 (R1-R8)



CQS: 71.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3203 K	0.430	0.414

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0051	0.414	0.242

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.4	-26.9	71.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
48	71.7	93.0

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Chromaticity Report

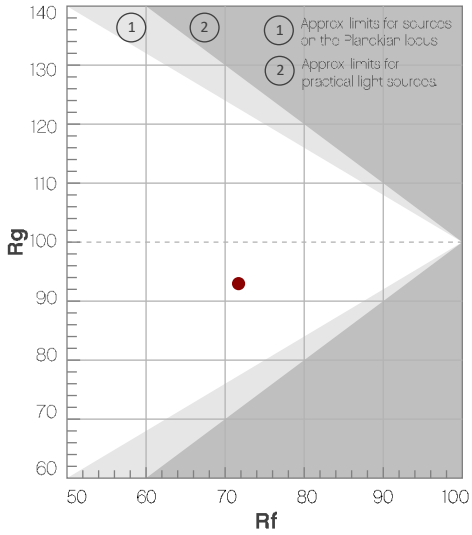
Maverick MK3 Profile : 50% Zoom with CTO Filter, Full Power

TM-30-18 Details

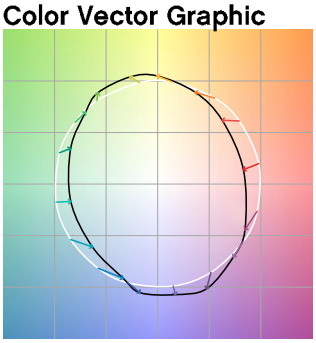
Rf 71.7
Fidelity Index (Rg)

Rg 93.0
Gamut Index (Rg)

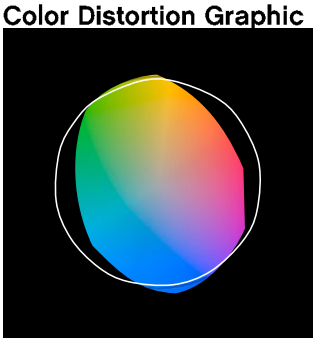
Hue Bin	R_f	Chroma Shift	Hue Shift
1	68	-16%	-3%
2	68	-13%	10%
3	58	-6%	19%
4	72	3%	16%
5	84	7%	8%
6	85	6%	-5%
7	75	-3%	-14%
8	79	-10%	-6%
9	77	-14%	2%
10	58	-14%	18%
11	57	-5%	25%
12	75	7%	13%
13	84	9%	1%
14	76	11%	-12%
15	69	0%	-18%
16	70	-8%	-20%



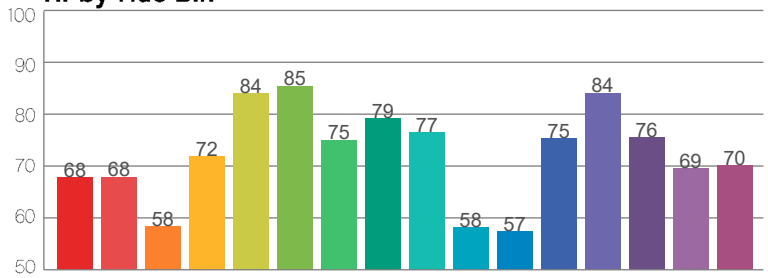
Color Vector Graphic



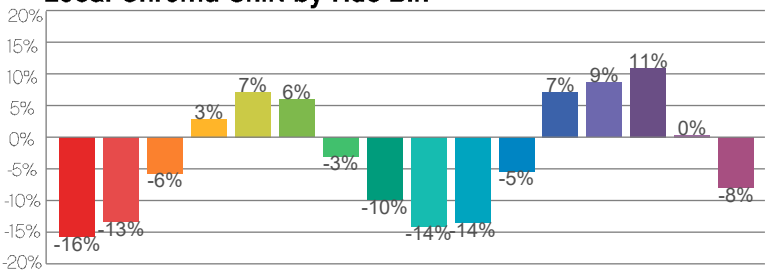
Color Distortion Graphic



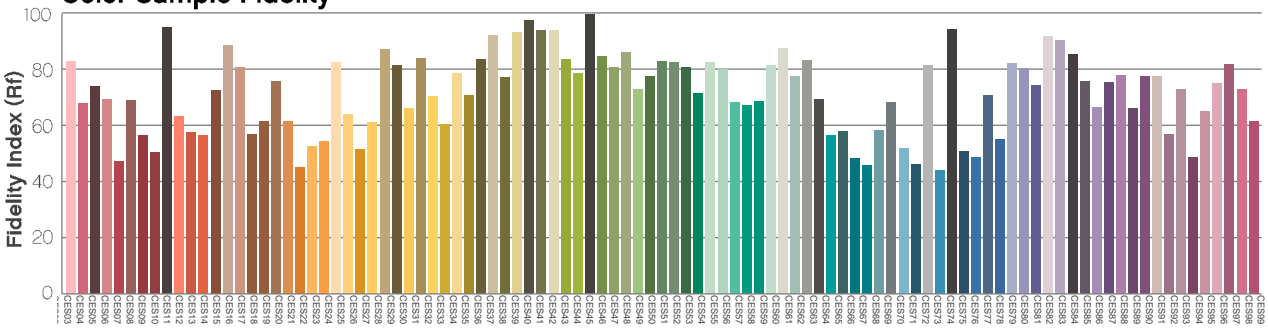
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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