PHOTOMETRICS REPORT

MAVERICK FORCE

S SPOT

CHAUVET PROFESSIONAL

Table of Contents

Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

Photometric Report

Maverick Force S Spot: Full Flood - Full Power

Report Summary

Output

Total Lumens: 14407 lm
Peak Intensity: 43648 cd
Illuminance @ 5m: 1745 lux
Fixture Efficacy: 18 lm/W

Optical

Horizontal Beam Angle (50%): 36.5°
Vertical Beam Angle (50%): 36.5°
Horizontal Field Angle (10%): 40.4°
Vertical Field Angle (10%): 40.4°
Horizontal Cutoff Angle (3%): 43.4°
Vertical Cutoff Angle (3%): 43.4°

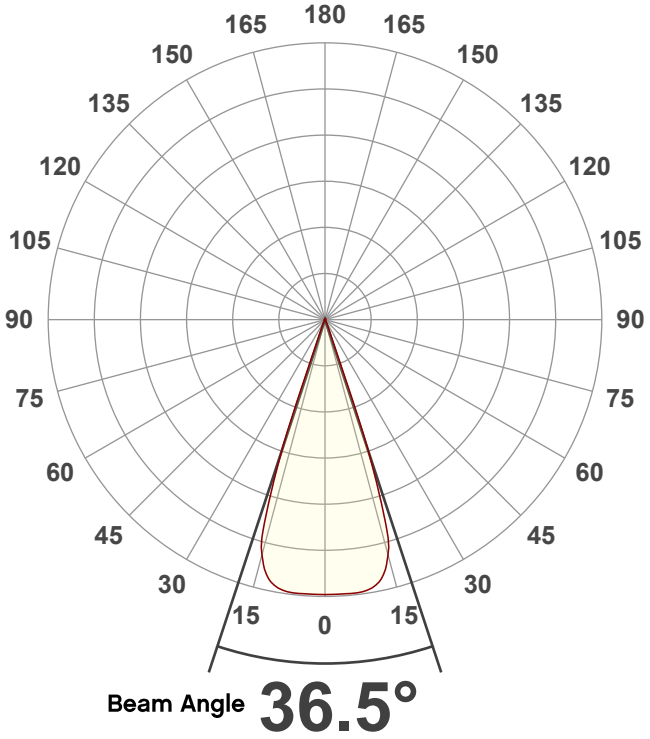
Conditions

AC Supply: 116 V, 60.1 Hz
Power: 800.54 W
Current: 6.87 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

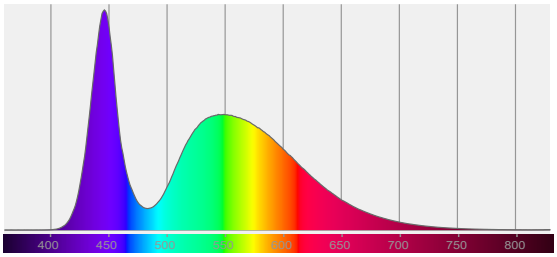
Overall Measurement

Angular Beam Distribution

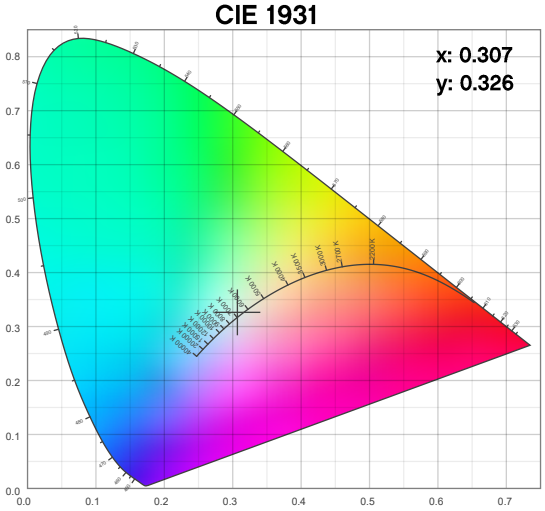


Beam Angle **36.5°**

Spectral Distribution



CIE 1931

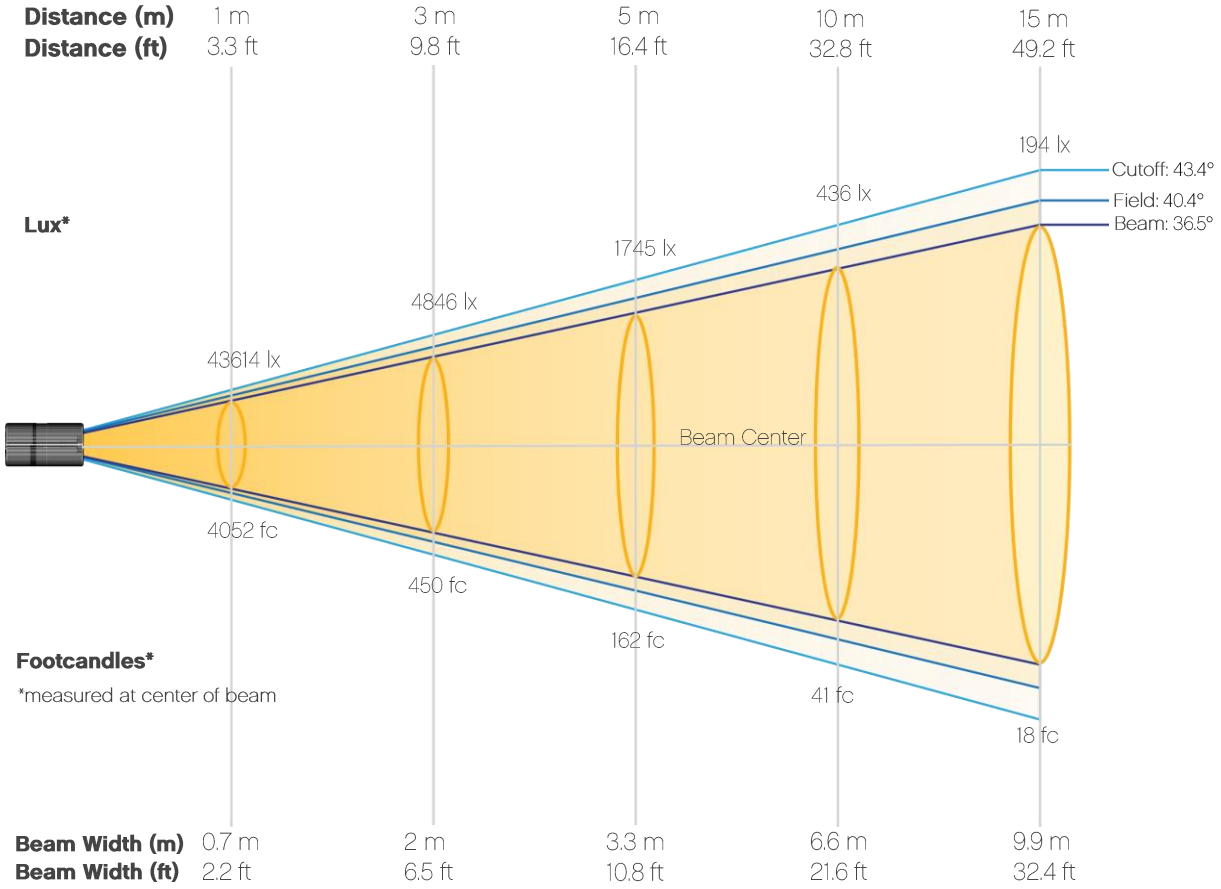


All product specifications, measurements and dimensions are subject to change without notice

Photometric Report

Maverick Force S Spot: Full Flood - Full Power

Beam Details



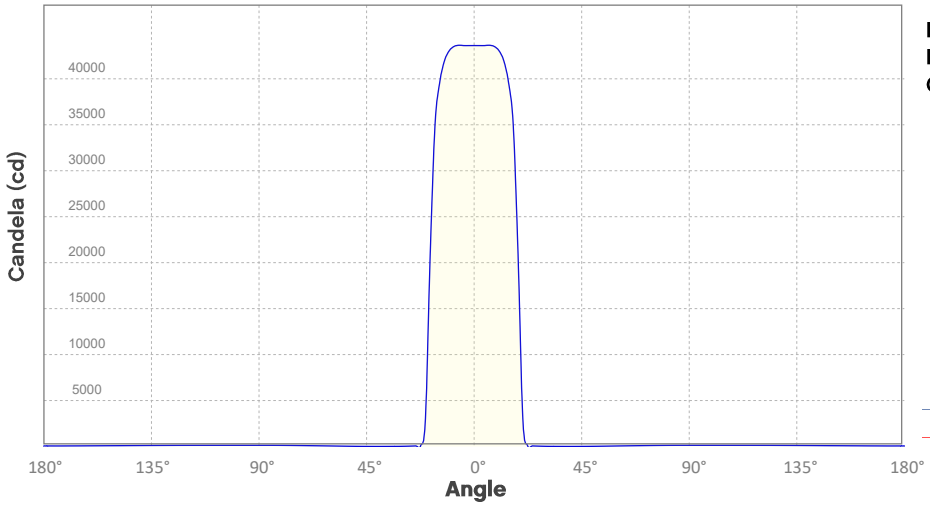
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	43614	10904	4846	2726	1745	1212	890	681	538	436
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	360	303	258	223	194	170	151	135	121	109
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	4052	1013	450	253	162	113	83	63	50	41
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	33	28	24	21	18	16	14	13	11	10

Photometric Report

Maverick Force S Spot: Full Flood - Full Power

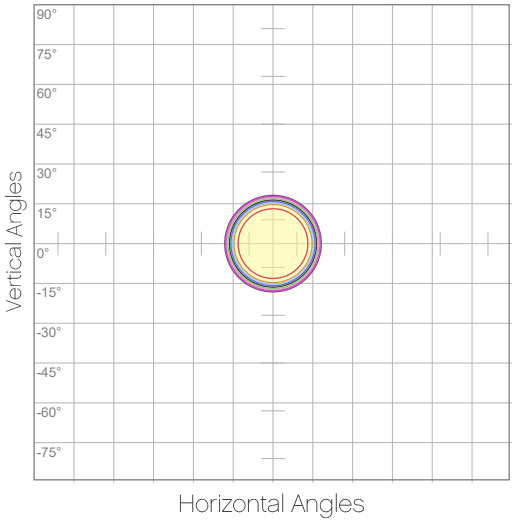
Candela Plot



Beam Angle (50%): 36.5°
Field Angle (10%): 40.4°
Cutoff Angle (3%): 43.4°

Horizontal Distribution
Vertical Distribution

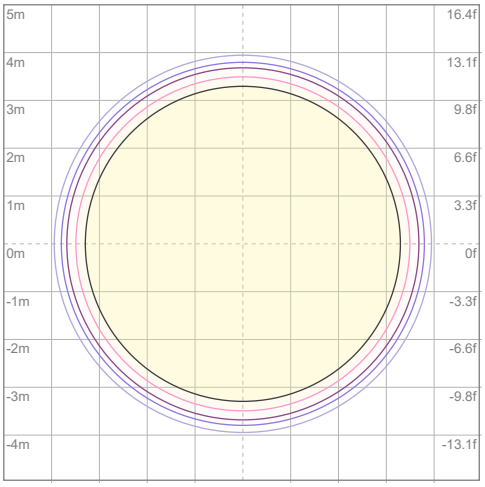
Polar Diagrams



iso-candela Diagram

	10%	4361 cd
	20%	8723 cd
	30%	13084 cd
	40%	17446 cd
	50%	21807 cd
	60%	26169 cd
	70%	30530 cd
	80%	34891 cd
	90%	39253 cd

Conditions:
Number of c-planes: 2
Candela at center: 43614 cd



iso-illuminance Diagram

	3%	13.1 lx
	5%	21.8 lx
	10%	43.6 lx
	30%	131 lx
	50%	218 lx

Conditions:
Number of c-planes: 2
Lux at center: 436 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

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

Report Summary

Output

Total Lumens: 6400 lm
Peak Intensity: 1551107 cd
Illuminance @ 5m: 62044 lux
Fixture Efficacy: 8 lm/W

Optical

Horizontal Beam Angle (50%): 3.8°
Vertical Beam Angle (50%): 3.8°
Horizontal Field Angle (10%): 4.8°
Vertical Field Angle (10%): 4.8°
Horizontal Cutoff Angle (3%): 5.1°
Vertical Cutoff Angle (3%): 5.1°

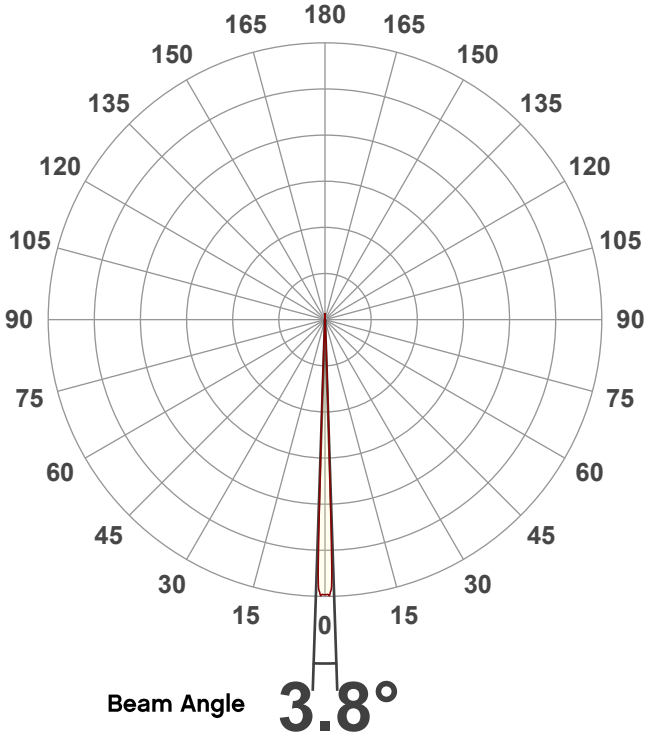
Conditions

AC Supply: 117 V, 60 Hz
Power: 799.04 W
Current: 6.83 A
Power Factor: 1.0

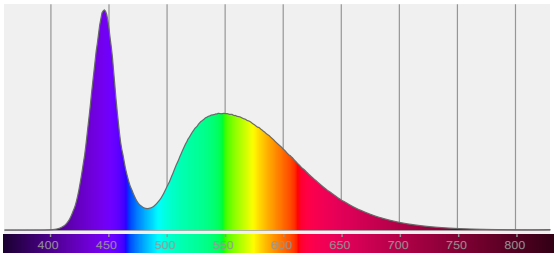
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

Overall Measurement

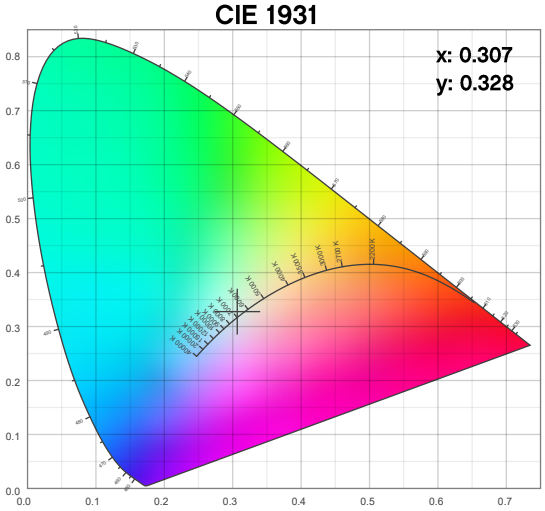
Angular Beam Distribution



Spectral Distribution



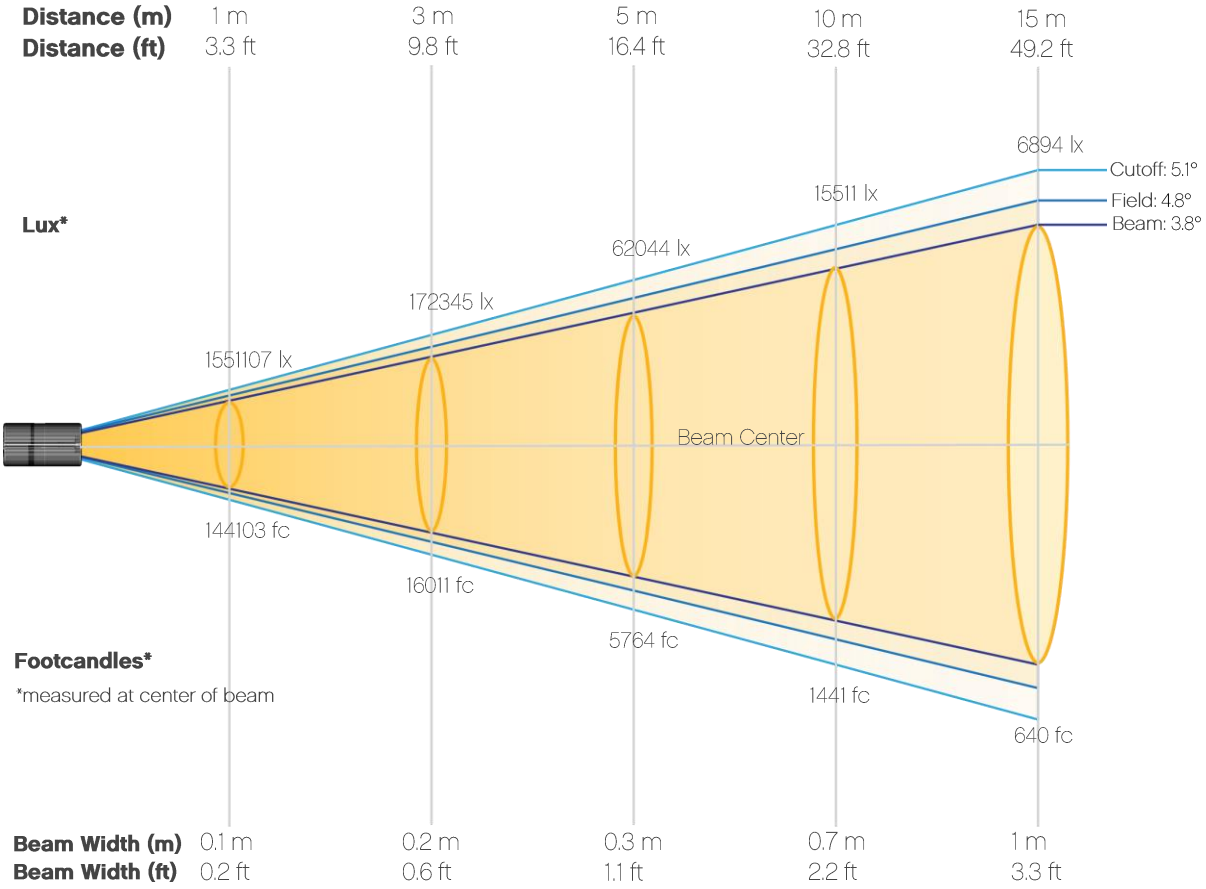
CIE 1931



Photometric Report

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

Beam Details



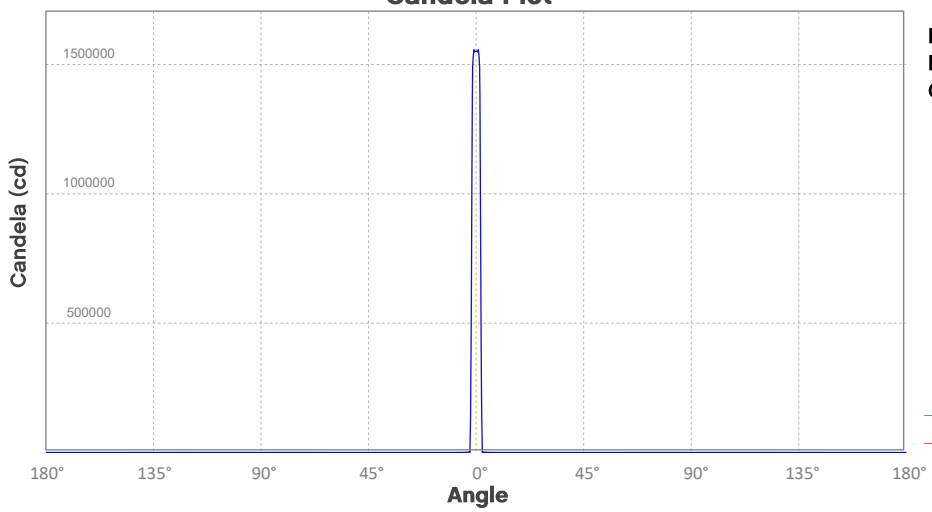
Beam Illuminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1551107	387777	172345	96944	62044	43086	31655	24236	19149	15511
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	12819	10772	9178	7914	6894	6059	5367	4787	4297	3878
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	144103	36026	16011	9006	5764	4003	2941	2252	1779	1441
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	1191	1001	853	735	640	563	499	445	399	360

Photometric Report

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

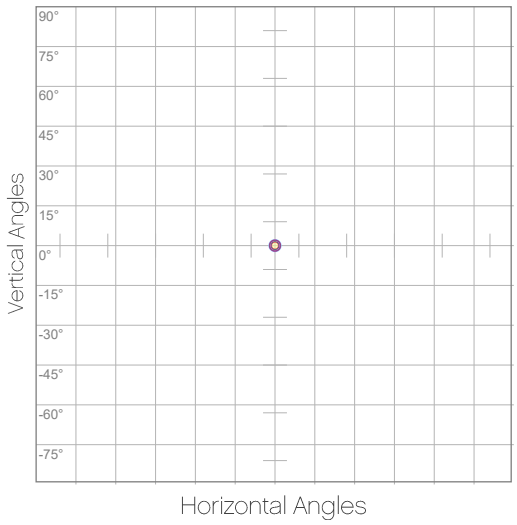
Candela Plot



Beam Angle (50%): 3.8°
Field Angle (10%): 4.8°
Cutoff Angle (3%): 5.1°

Horizontal Distribution
Vertical Distribution

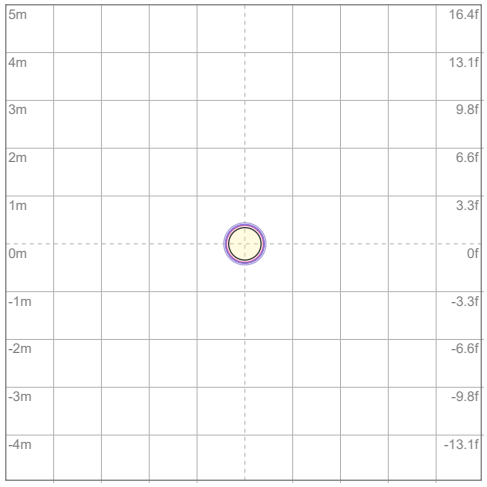
Polar Diagrams



iso-candela Diagram

10%	155111 cd
20%	310221 cd
30%	465332 cd
40%	620443 cd
50%	775553 cd
60%	930664 cd
70%	1085775 cd
80%	1240886 cd
90%	1395996 cd

Conditions:
Number of c-planes: 2
Candela at center: 1551107 cd



iso-illuminance Diagram

3%	465 lx
5%	776 lx
10%	1551 lx
30%	4653 lx
50%	7756 lx

Conditions:
Number of c-planes: 2
Lux at center: 15.5K lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

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

Report Summary

Output

Total Lumens: 7362 lm
Peak Intensity: 1555590 cd
Illuminance @ 5m: 62131 lux
Fixture Efficacy: 9 lm/W

Optical

Horizontal Beam Angle (50%): 4.1°
Vertical Beam Angle (50%): 4.1°
Horizontal Field Angle (10%): 5.1°
Vertical Field Angle (10%): 5.1°
Horizontal Cutoff Angle (3%): 5.4°
Vertical Cutoff Angle (3%): 5.4°

Conditions

AC Supply: 117 V, 60 Hz
Power: 801.31 W
Current: 6.86 A
Power Factor: 1.0

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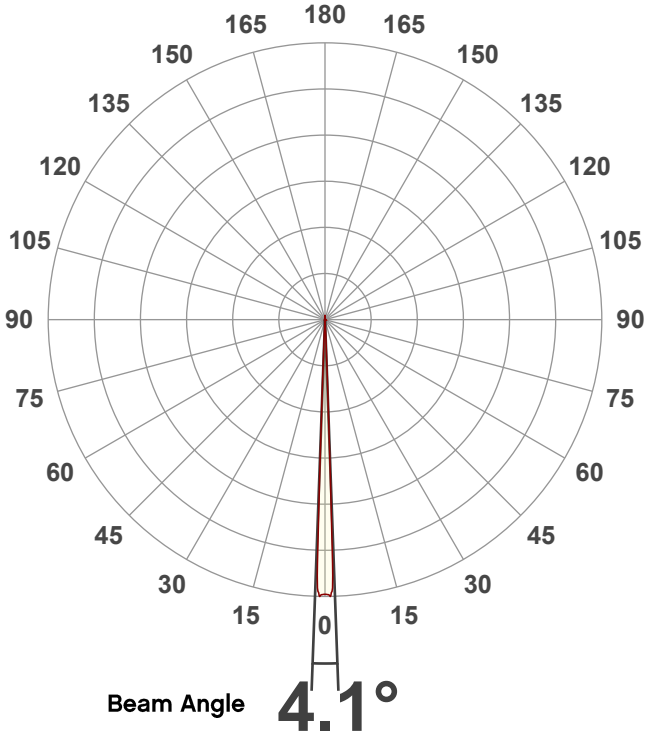
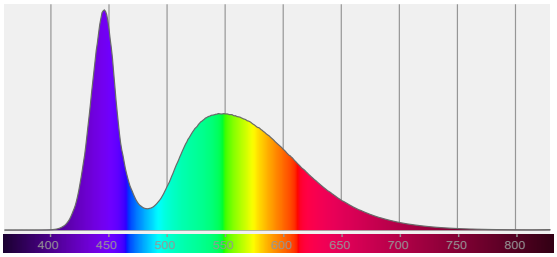
Overall Measurement

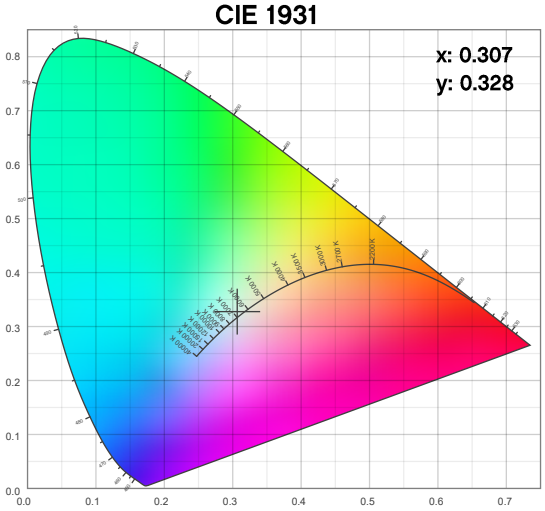
Angular Beam Distribution



Spectral Distribution



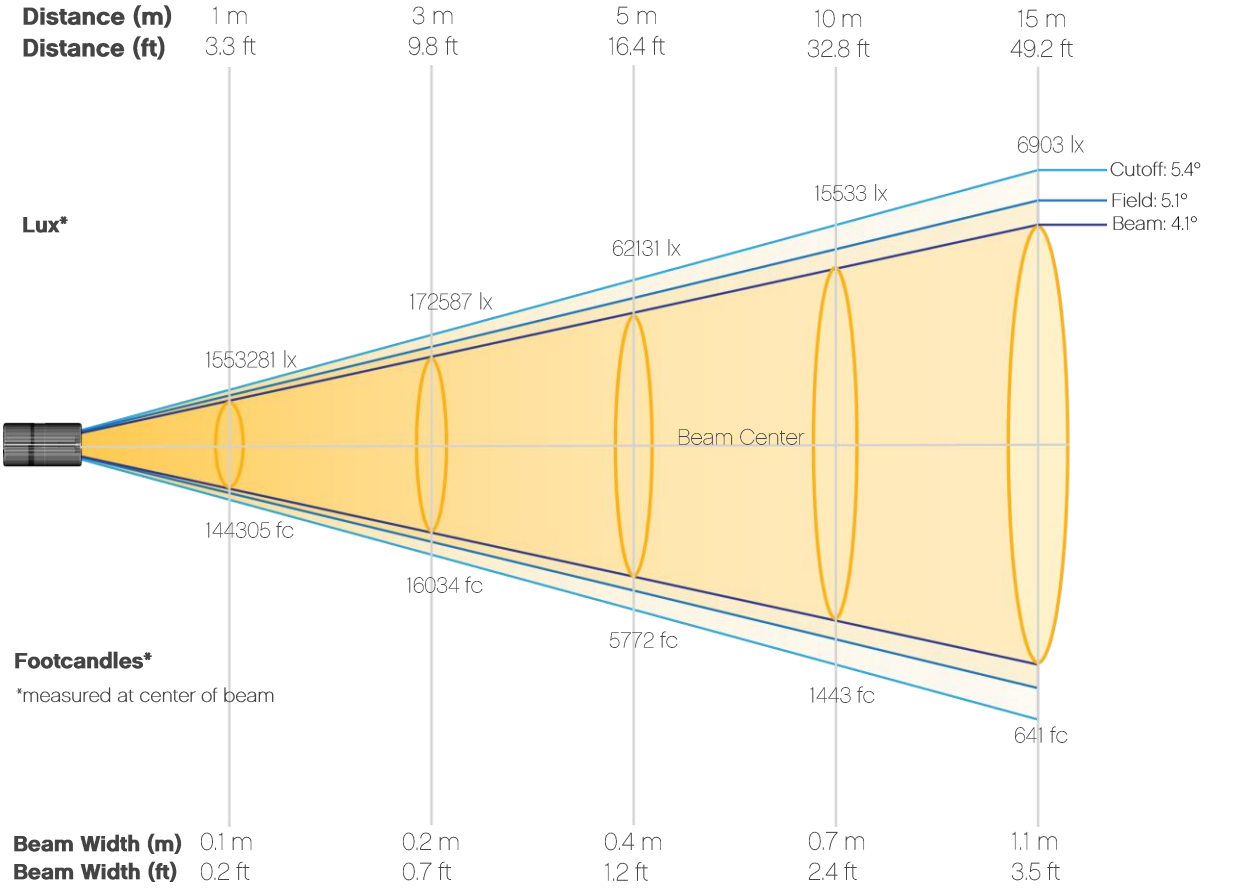
CIE 1931



Photometric Report

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

Beam Details



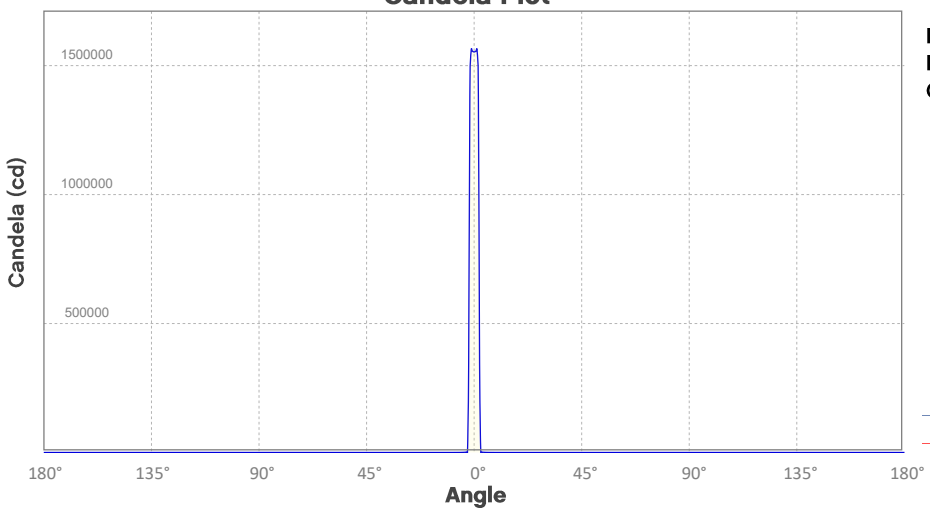
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1553281	388320	172587	97080	62131	43147	31700	24270	19176	15533
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	12837	10787	9191	7925	6903	6068	5375	4794	4303	3883
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	144305	36076	16034	9019	5772	4008	2945	2255	1782	1443
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	1193	1002	854	736	641	564	499	445	400	361

Photometric Report

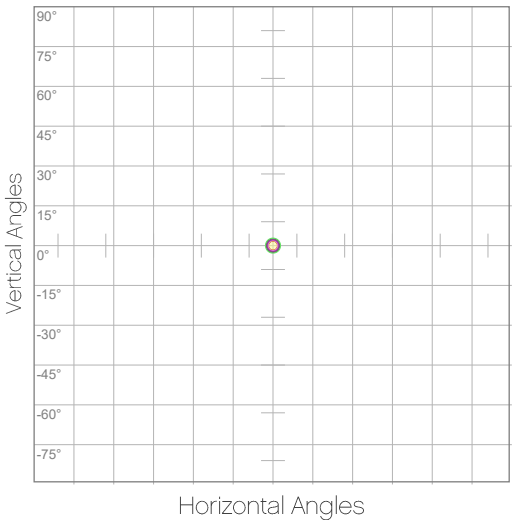
Maverick Force S Spot: Full Spot - Focus Correction On - Full Power

Candela Plot



Beam Angle (50%): 4.1°
Field Angle (10%): 5.1°
Cutoff Angle (3%): 5.4°

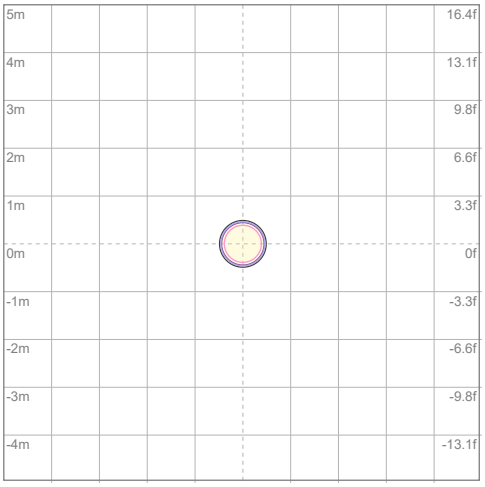
Polar Diagrams



iso-candela Diagram

10%	155328 cd
20%	310656 cd
30%	465984 cd
40%	621313 cd
50%	776641 cd
60%	931969 cd
70%	1087297 cd
80%	1242625 cd
90%	1397953 cd

Conditions:
Number of c-planes: 2
Candela at center: 1553281 cd



iso-illuminance Diagram

3%	466 lx
5%	777 lx
10%	1553 lx
30%	4660 lx
50%	7766 lx

Conditions:
Number of c-planes: 2
Lux at center: 15.5K lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

Maverick Force S Spot: 50% Zoom - Full Power

Report Summary

Output

Total Lumens: 14281 lm
Peak Intensity: 294867 cd
Illuminance @ 5m: 11623 lux
Fixture Efficacy: 18 lm/W

Optical

Horizontal Beam Angle (50%): 13.6°
Vertical Beam Angle (50%): 13.6°
Horizontal Field Angle (10%): 15.9°
Vertical Field Angle (10%): 15.9°
Horizontal Cutoff Angle (3%): 17.6°
Vertical Cutoff Angle (3%): 17.6°

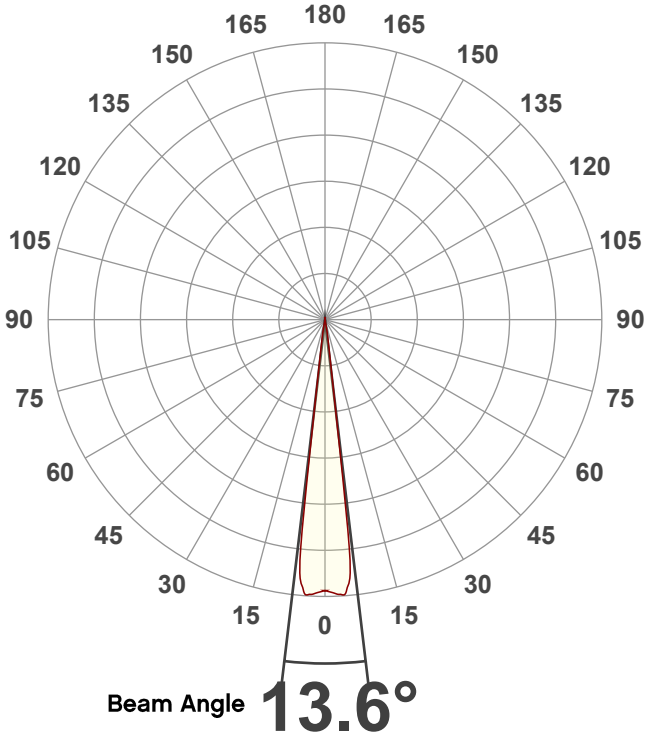
Conditions

AC Supply: 116 V, 60 Hz
Power: 801.41 W
Current: 6.89 A
Power Factor: 1.0

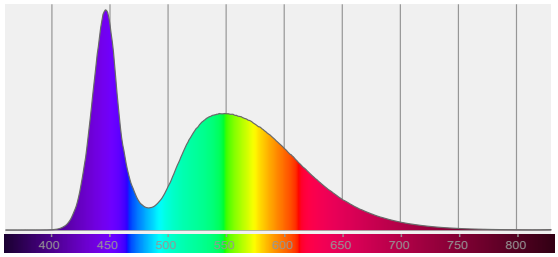
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

Overall Measurement

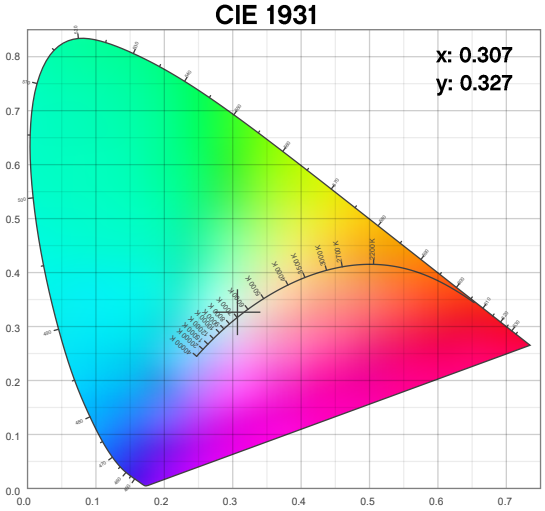
Angular Beam Distribution



Spectral Distribution



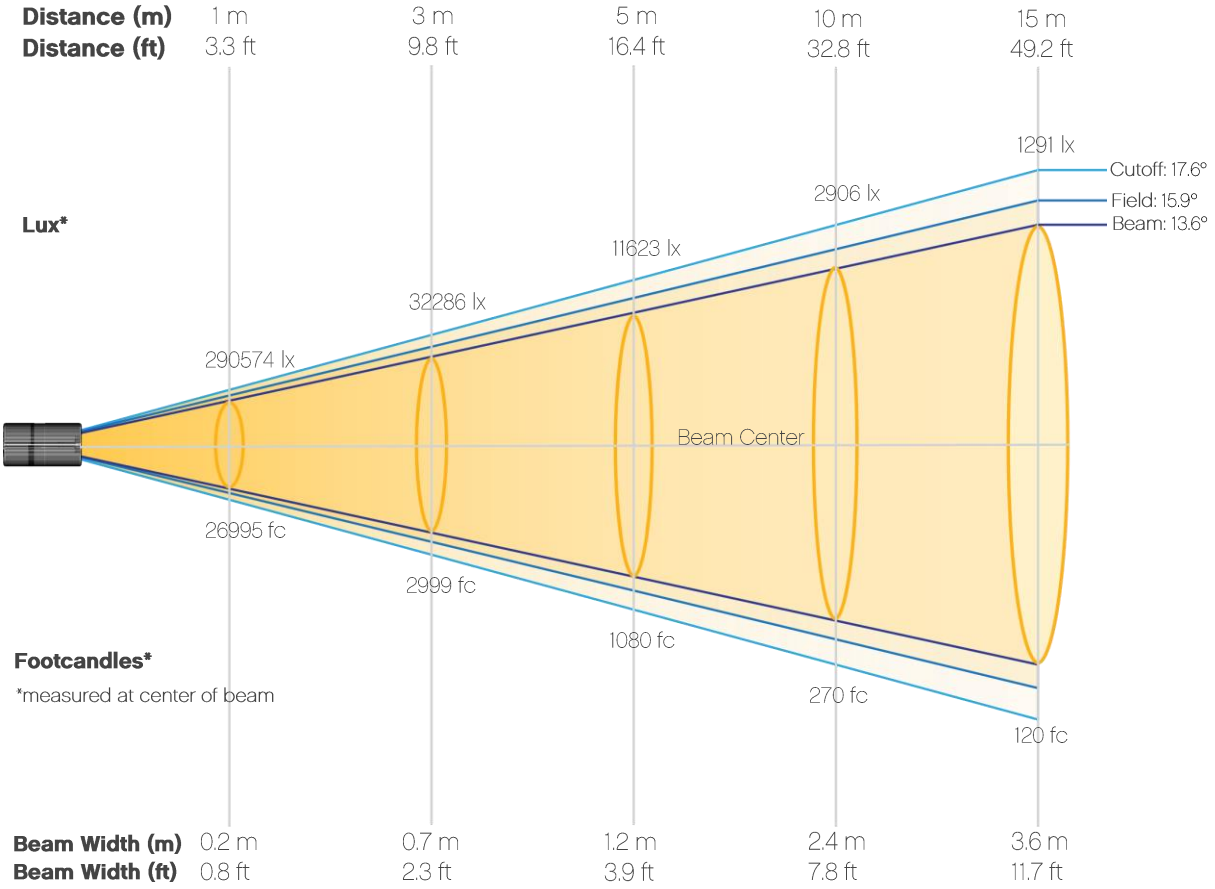
CIE 1931



Photometric Report

Maverick Force S Spot: 50% Zoom - Full Power

Beam Details



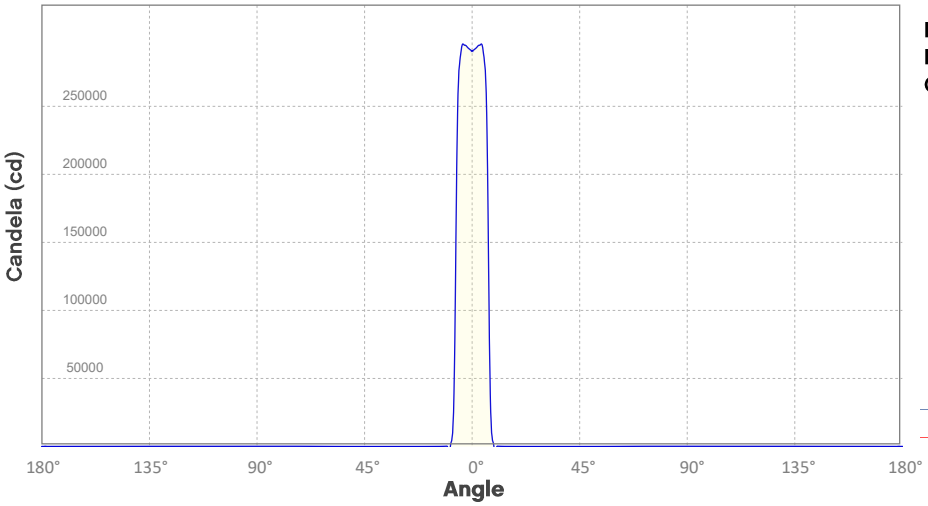
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	290574	72643	32286	18161	11623	8071	5930	4540	3587	2906
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	2401	2018	1719	1483	1291	1135	1005	897	805	726
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	26995	6749	2999	1687	1080	750	551	422	333	270
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	223	187	160	138	120	105	93	83	75	67

Photometric Report

Maverick Force S Spot: 50% Zoom - Full Power

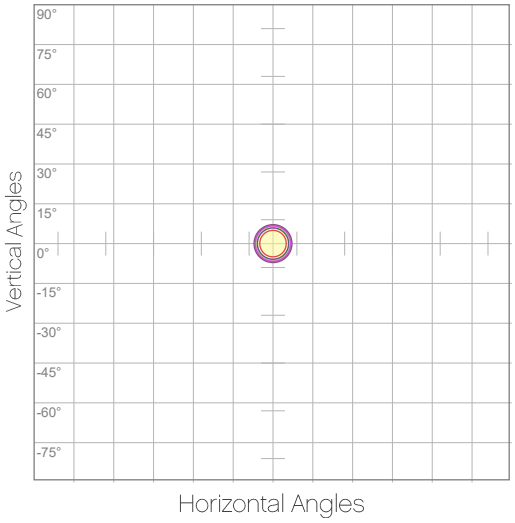
Candela Plot



Beam Angle (50%): 13.6°
Field Angle (10%): 15.9°
Cutoff Angle (3%): 17.6°

Horizontal Distribution
Vertical Distribution

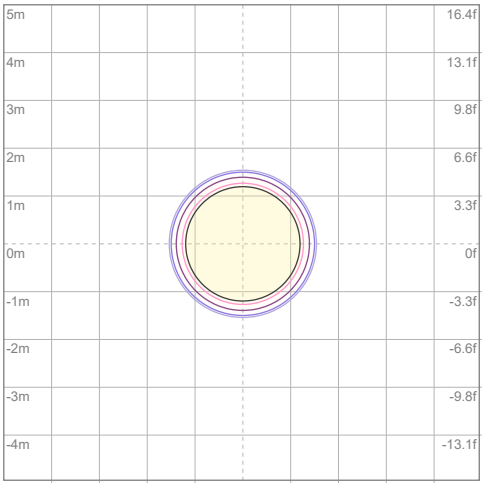
Polar Diagrams



iso-candela Diagram

10%	29057 cd
20%	58115 cd
30%	87172 cd
40%	116229 cd
50%	145287 cd
60%	174344 cd
70%	203402 cd
80%	232459 cd
90%	261516 cd

Conditions:
Number of c-planes: 2
Candela at center: 290574 cd



iso-illuminance Diagram

3%	87.2 lx
5%	145 lx
10%	291 lx
30%	872 lx
50%	1453 lx

Conditions:
Number of c-planes: 2
Lux at center: 2906 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

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

Report Summary

Output

Total Lumens: 9676 lm
Peak Intensity: 200168 cd
Illuminance @ 5m: 7893 lux
Fixture Efficacy: 12 lm/W

Optical

Horizontal Beam Angle (50%): 13.6°
Vertical Beam Angle (50%): 13.6°
Horizontal Field Angle (10%): 15.7°
Vertical Field Angle (10%): 15.7°
Horizontal Cutoff Angle (3%): 17.7°
Vertical Cutoff Angle (3%): 17.7°

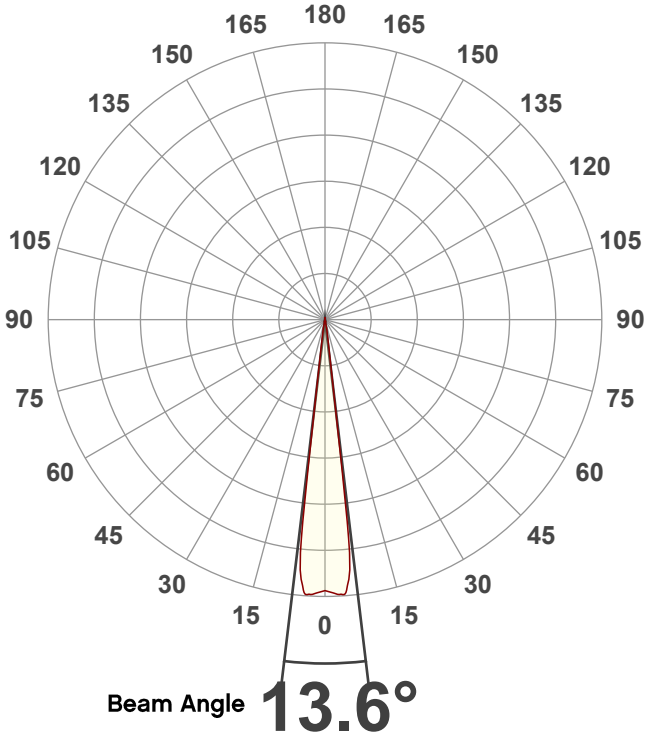
Conditions

AC Supply: 117 V, 60 Hz
Power: 806.27 W
Current: 6.90 A
Power Factor: 1.0

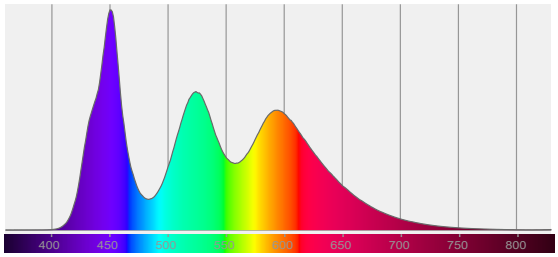
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

Overall Measurement

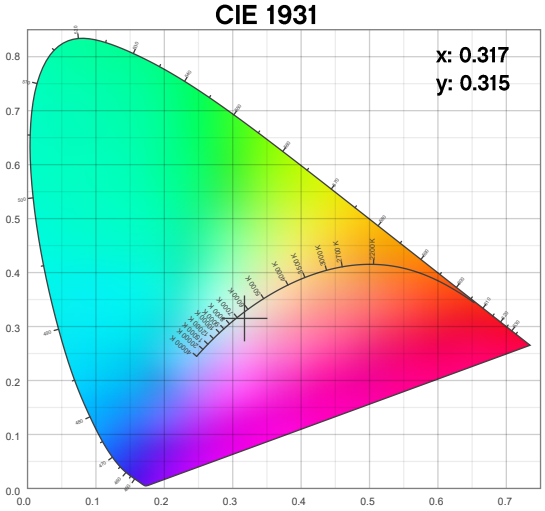
Angular Beam Distribution



Spectral Distribution



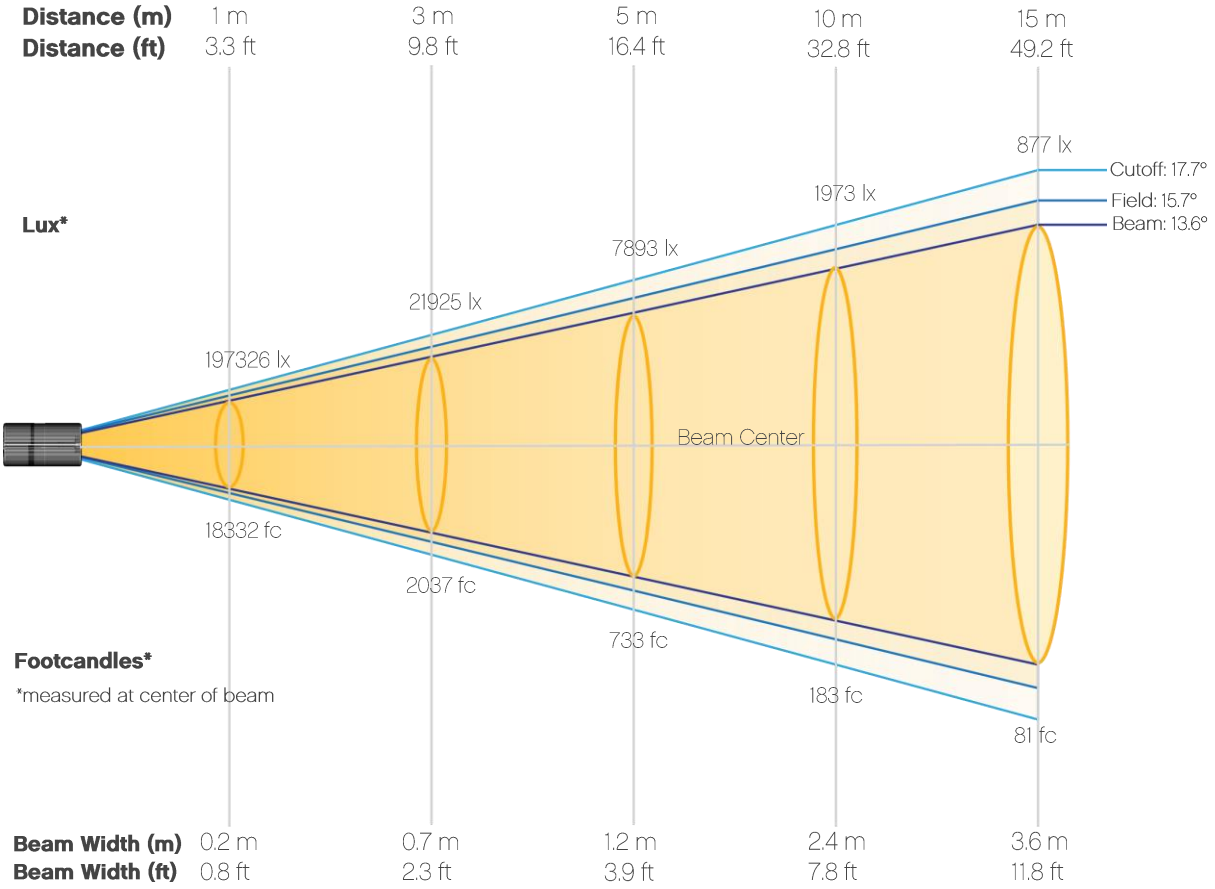
CIE 1931



Photometric Report

Maverick Force S Spot: 50% Zoom - 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	197326	49331	21925	12333	7893	5481	4027	3083	2436	1973
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1631	1370	1168	1007	877	771	683	609	547	493
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	18332	4583	2037	1146	733	509	374	286	226	183
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	152	127	108	94	81	72	63	57	51	46

Photometric Report

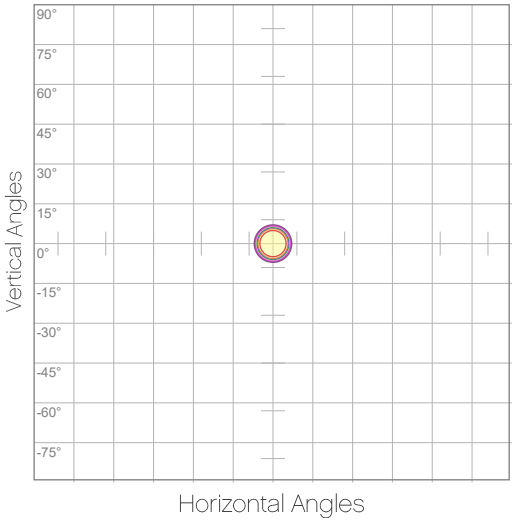
Maverick Force S Spot: 50% Zoom - CRI Filter - Full Power

Candela Plot

Beam Angle (50%): 13.6°
Field Angle (10%): 15.7°
Cutoff Angle (3%): 17.7°

Horizontal Distribution
Vertical Distribution

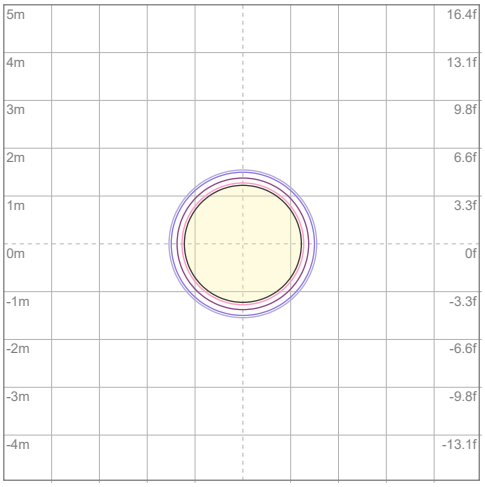
Polar Diagrams



iso-candela Diagram

10%	19733 cd
20%	39465 cd
30%	59198 cd
40%	78930 cd
50%	98663 cd
60%	118395 cd
70%	138128 cd
80%	157860 cd
90%	177593 cd

Conditions:
Number of c-planes: 2
Candela at center: 197326 cd



iso-illuminance Diagram

3%	59.2 lx
5%	98.7 lx
10%	197 lx
30%	592 lx
50%	987 lx

Conditions:
Number of c-planes: 2
Lux at center: 1973 lx

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

Mounting height: 10 meters / 33 feet

Photometric Report

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

Report Summary

Output

Total Lumens: 10672 lm
Peak Intensity: 225821 cd
Illuminance @ 5m: 8872 lux
Fixture Efficacy: 14 lm/W

Optical

Horizontal Beam Angle (50%): 13.6°
Vertical Beam Angle (50%): 13.6°
Horizontal Field Angle (10%): 14.8°
Vertical Field Angle (10%): 14.8°
Horizontal Cutoff Angle (3%): 16.3°
Vertical Cutoff Angle (3%): 16.3°

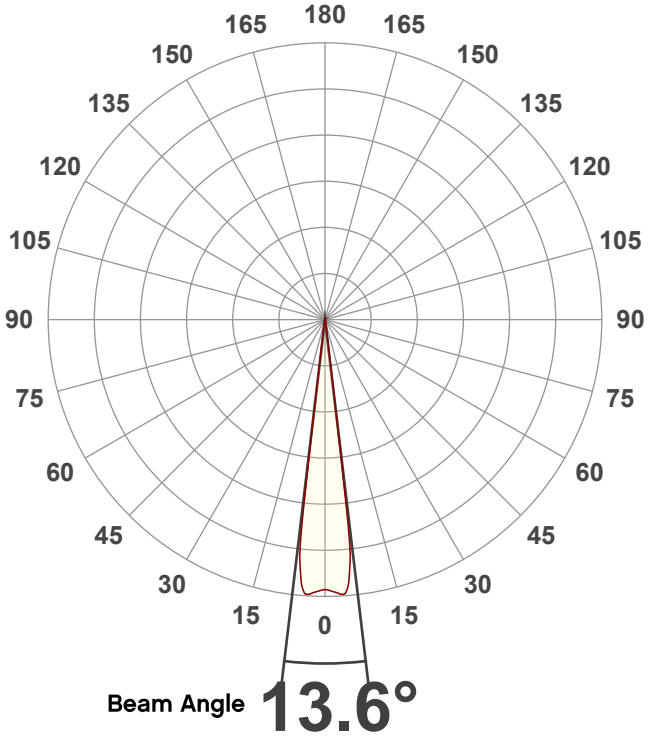
Conditions

AC Supply: 117 V, 60 Hz
Power: 792.3 W
Current: 6.78 A
Power Factor: 1.0

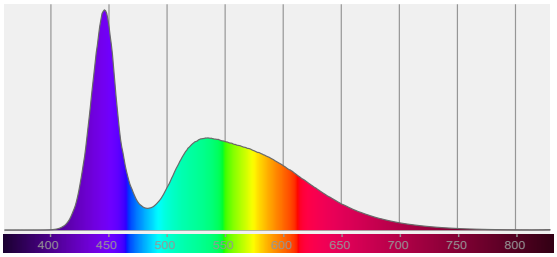
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 1/26/2021 to LM-63-2002 Standards.

Overall Measurement

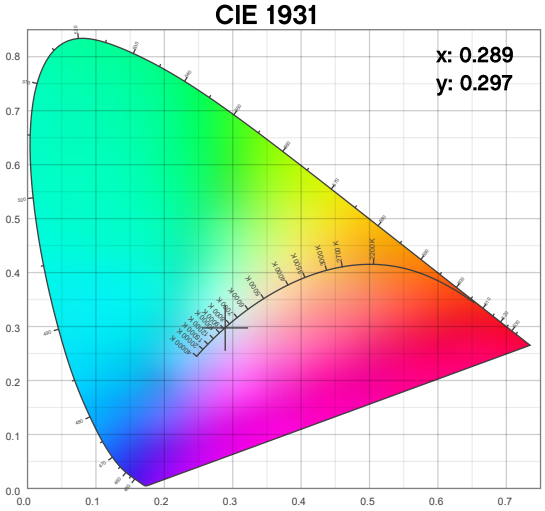
Angular Beam Distribution



Spectral Distribution



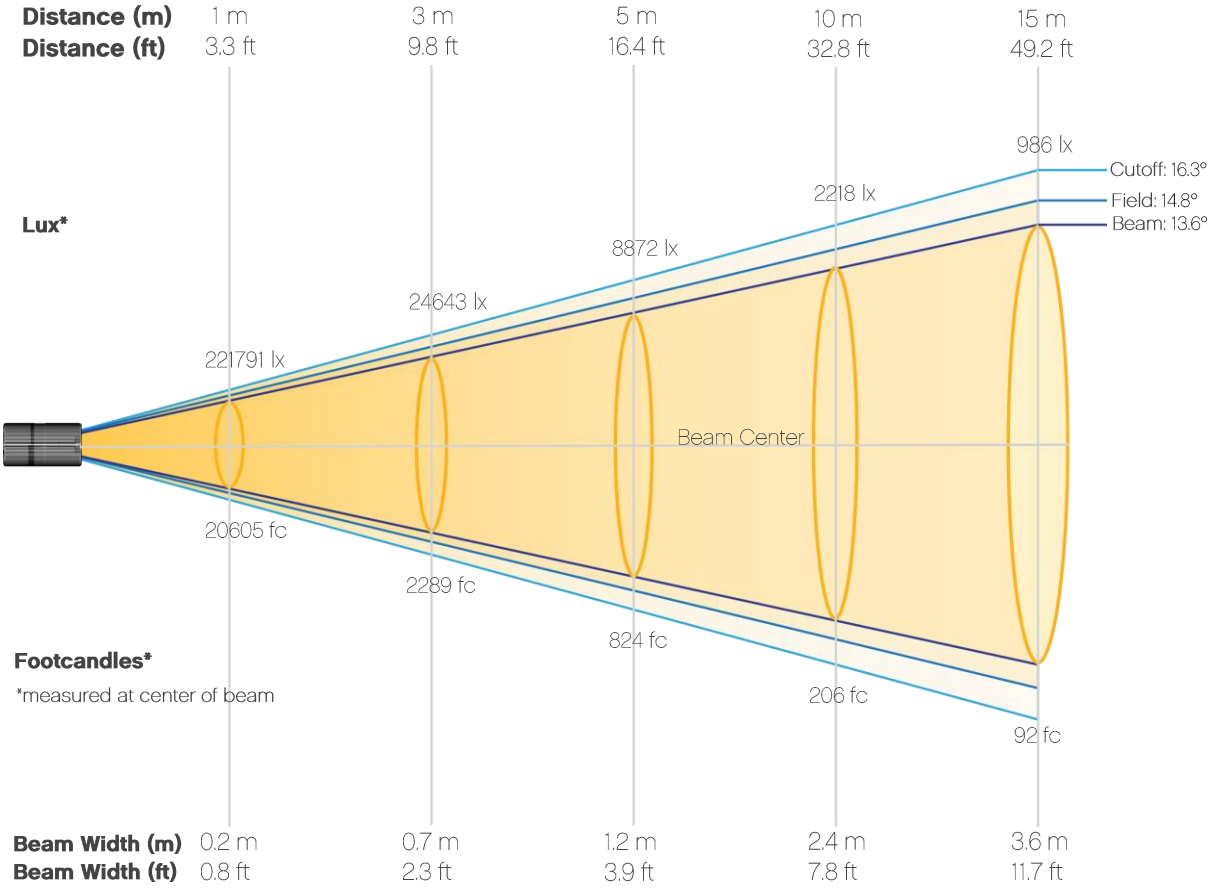
CIE 1931



Photometric Report

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

Beam Details



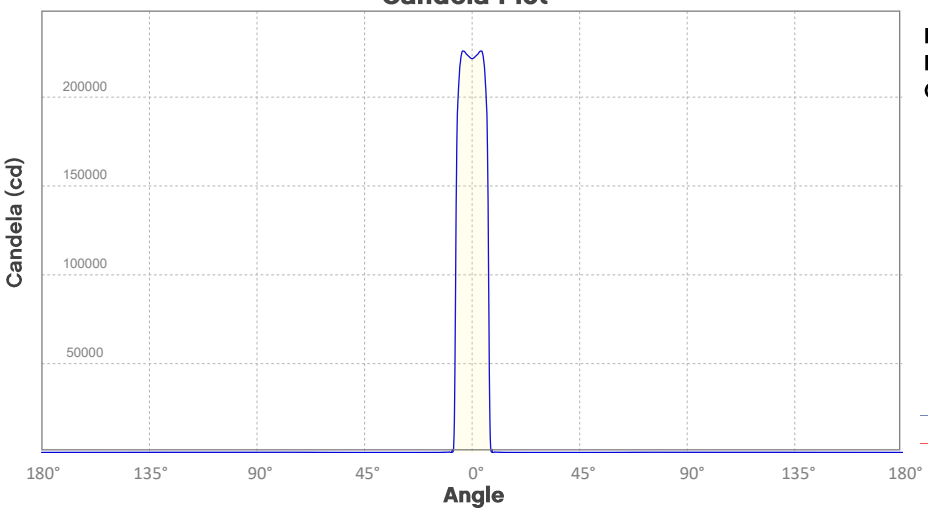
Beam Iluminances from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	221791	55448	24643	13862	8872	6161	4526	3465	2738	2218
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	1833	1540	1312	1132	986	866	767	685	614	554
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	20605	5151	2289	1288	824	572	421	322	254	206
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	170	143	122	105	92	80	71	64	57	52

Photometric Report

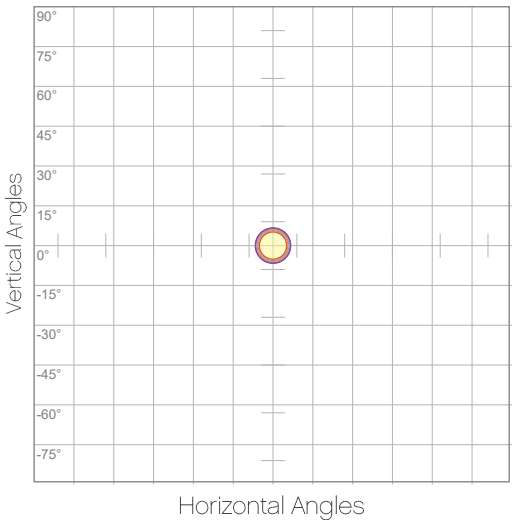
Maverick Force S Spot: 50% Zoom - CTB Filter - Full Power

Candela Plot



Beam Angle (50%): 13.6°
Field Angle (10%): 14.8°
Cutoff Angle (3%): 16.3°

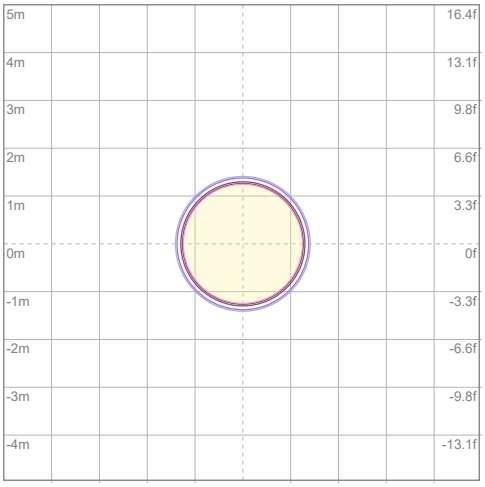
Polar Diagrams



iso-candela Diagram

10%	22179 cd
20%	44358 cd
30%	66537 cd
40%	88717 cd
50%	110896 cd
60%	133075 cd
70%	155254 cd
80%	177433 cd
90%	199612 cd

Conditions:
Number of c-planes: 2
Candela at center: 221791 cd



iso-illuminance Diagram

3%	66.5 lx
5%	111 lx
10%	222 lx
30%	665 lx
50%	1109 lx

Conditions:
Number of c-planes: 2
Lux at center: 2218 lx

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

Mounting height: 10 meters / 33 feet

Chromaticity Report

Maverick Force S Spot: Full Flood - Full Power

Report Summary

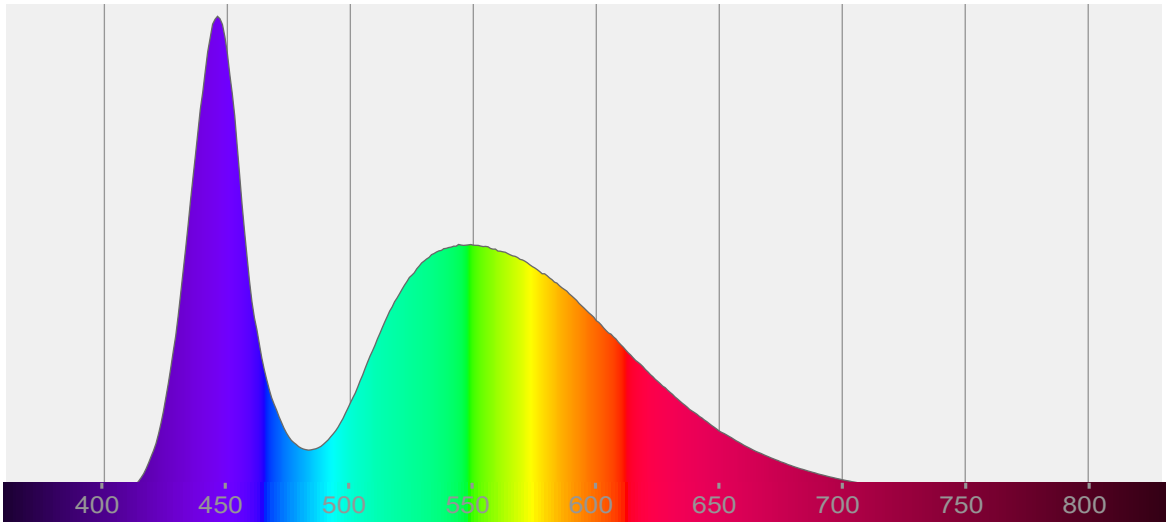
Measurements

Total Lumens: 14407 lm
Peak Intensity: 43648 cd
Fixture Efficacy: 18 lm/W

Correlated Color Temperature: 6866K
Δuv: 0.0016

CRI: 68.5 CRI R9 Value: -39.6
CQS: 68.1
TLCI: 45
TM-30-18 Rf: 66.1
TM-30-18 Rg: 93.4
1st Dominant Wavelength: 446 nM
2nd Dominant Wavelength: 544 nM

Spectral Distribution



Tested Color

6866 K
CIE 1931 Coordinates:
X: 0.307 Y: 0.326

Color Temperature

6866 K

Light Quality

CRI: 68.5

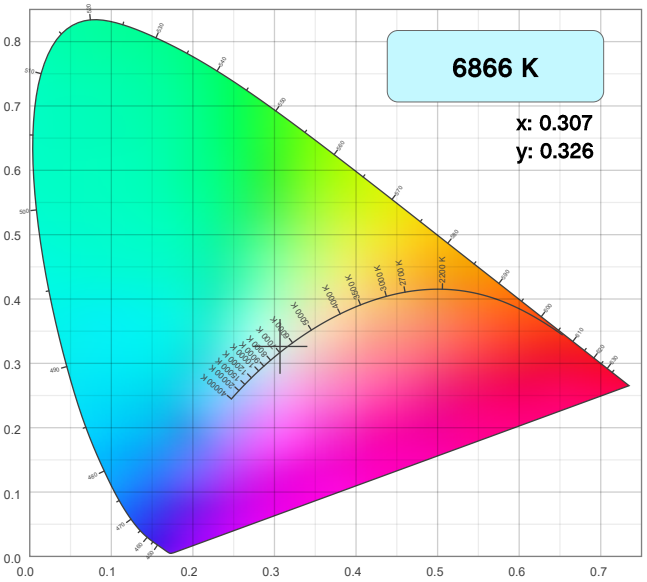
Notes:

Chromaticity Report

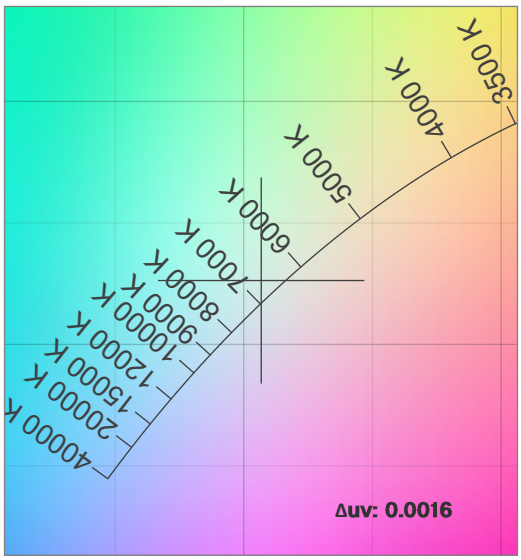
Maverick Force S Spot: Full Flood - Full Power

Chromaticity

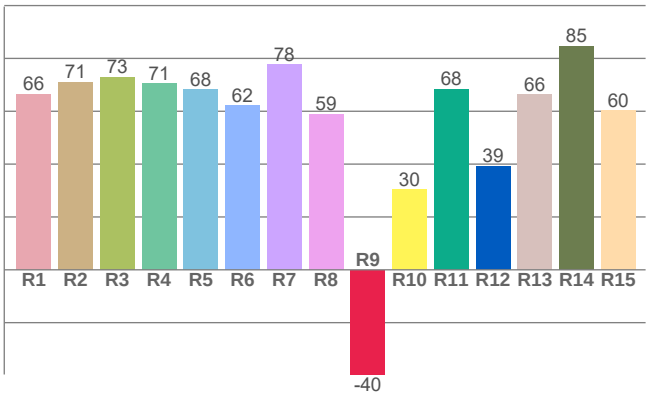
CIE 1931



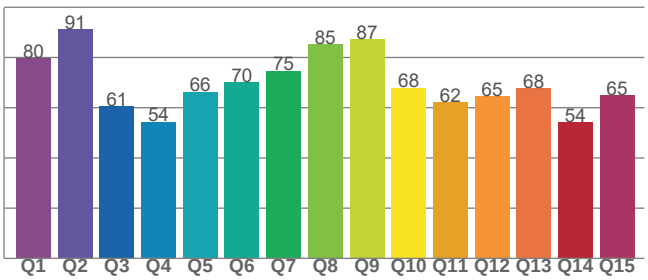
CIE 1931 - Zoom



CRI: 68.5 (R1-R8)



CQS: 68.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6866 K	0.307	0.326

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0016	0.326	0.195

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.5	-39.6	68.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
45	66.1	93.4

Chromaticity Report

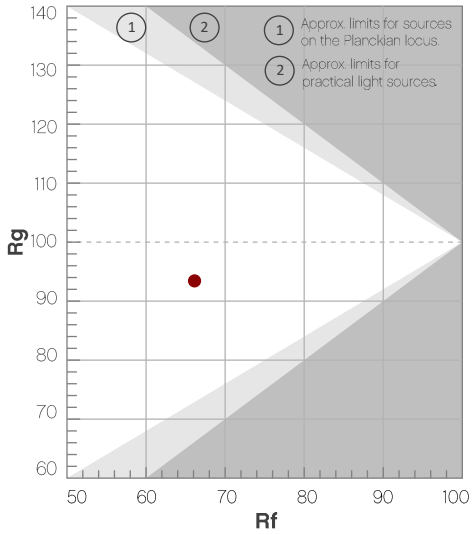
Maverick Force S Spot: Full Flood - Full Power

TM-30-18 Details

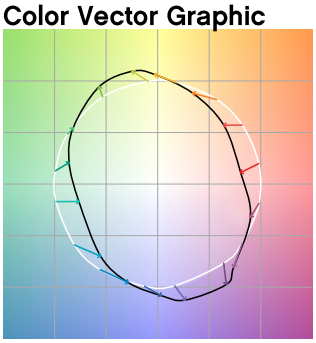
Rf 66.1
Fidelity Index (Rg)

Rg 93.4
Gamut Index (Rg)

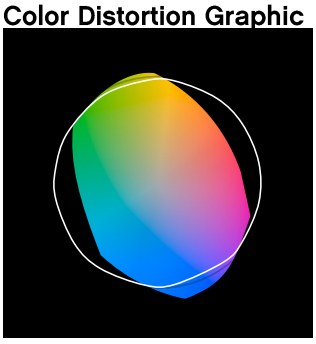
Hue Bin	R_f	Chroma Shift	Hue Shift
1	61	-19%	-5%
2	64	-15%	10%
3	58	-8%	23%
4	59	4%	23%
5	68	13%	13%
6	81	10%	-3%
7	87	-1%	-8%
8	71	-12%	-10%
9	72	-22%	4%
10	54	-15%	23%
11	41	-5%	30%
12	65	6%	18%
13	77	16%	7%
14	73	19%	-9%
15	65	6%	-24%
16	71	-5%	-15%



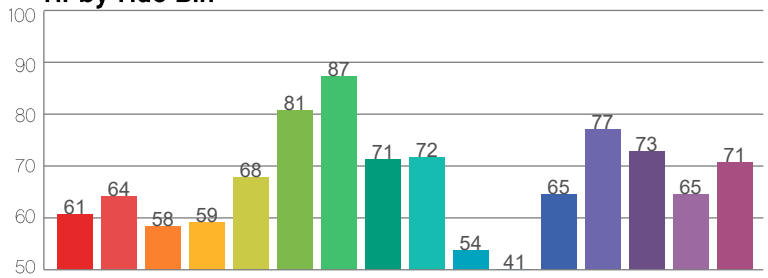
Color Vector Graphic



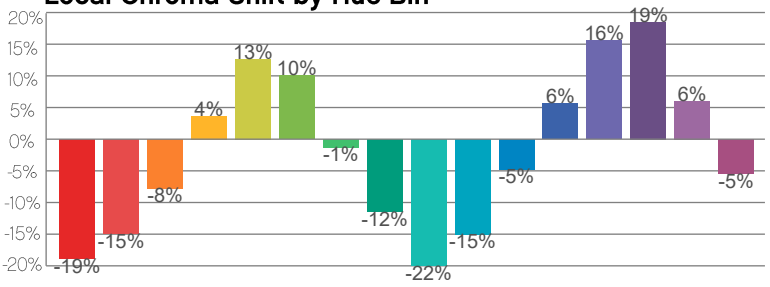
Color Distortion Graphic



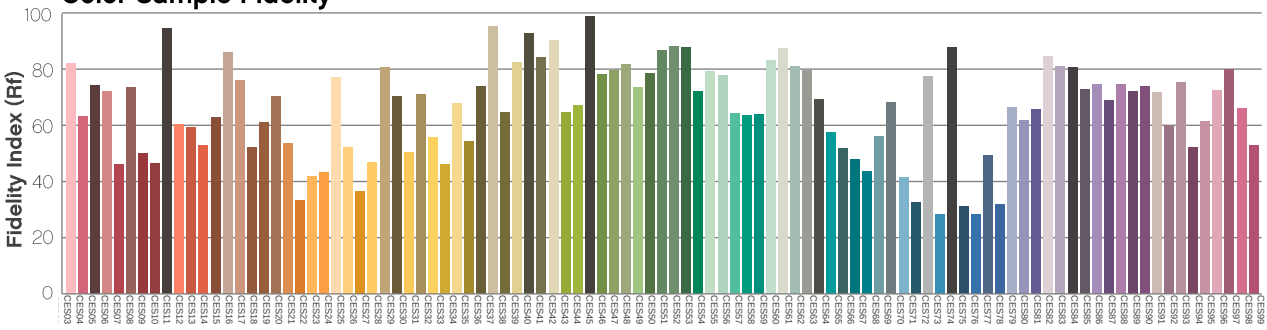
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

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

Report Summary

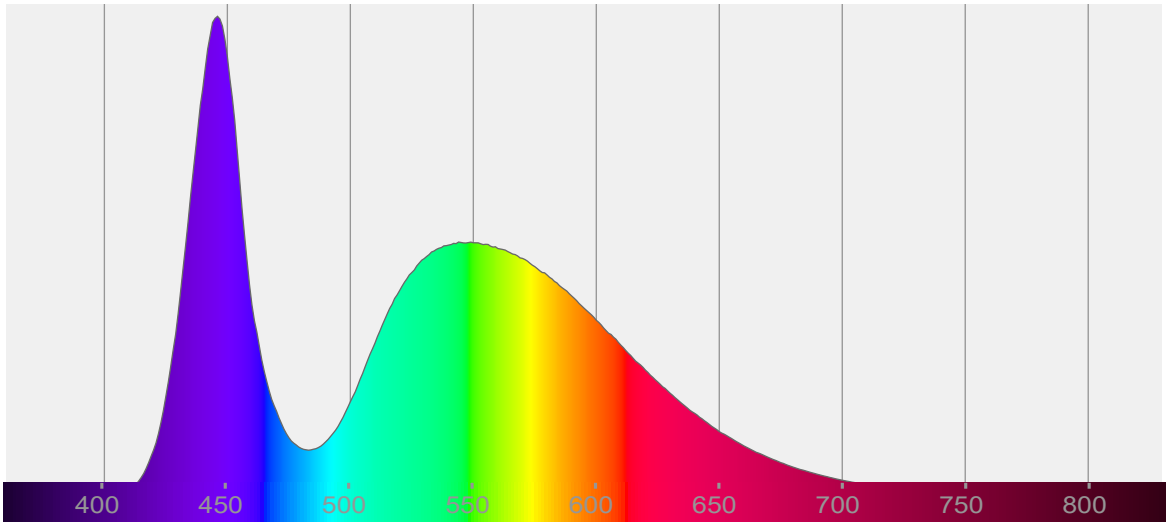
Measurements

Total Lumens: 6400 lm
Peak Intensity: 1551107 cd
Fixture Efficacy: 8 lm/W

Correlated Color Temperature: 6864K
Δuv: 0.0024

CRI: 68.0 CRI R9 Value: -42.5
CQS: 68.0
TLCI: 45
TM-30-18 Rf: 65.9
TM-30-18 Rg: 93.2
1st Dominant Wavelength: 446 nM
2nd Dominant Wavelength: 544 nM

Spectral Distribution



Tested Color

6864 K
CIE 1931 Coordinates:
X: 0.307 Y: 0.328

Color Temperature

6864 K

Light Quality

CRI: 68.0

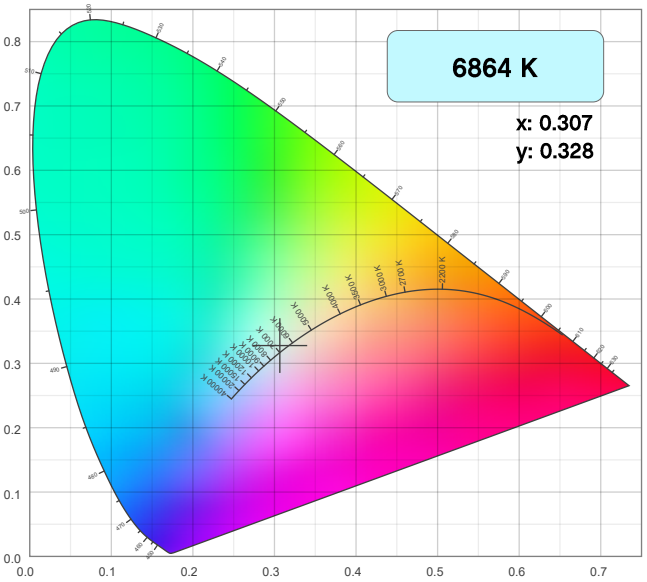
Notes:

Chromaticity Report

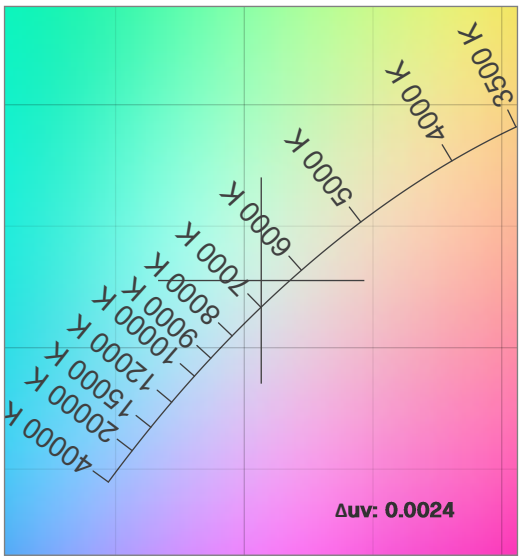
Maverick Force S Spot: Full Spot - Focus Correction Off - Full Power

Chromaticity

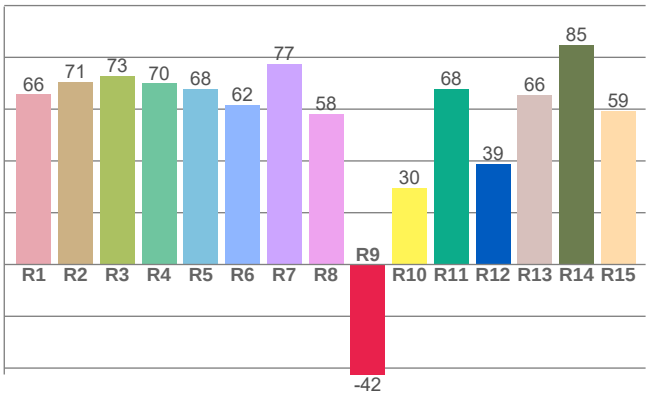
CIE 1931



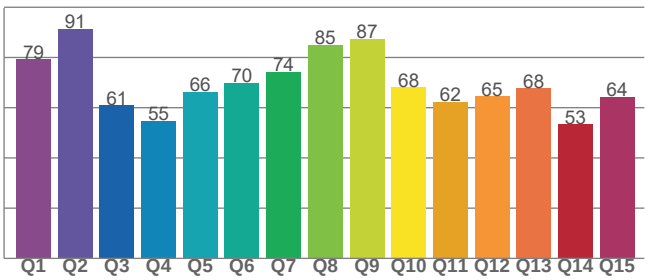
CIE 1931 - Zoom



CRI: 68.0 (R1-R8)



CQS: 68.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6864 K	0.307	0.328

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0024	0.328	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.0	-42.5	68.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
45	65.9	93.2

Chromaticity Report

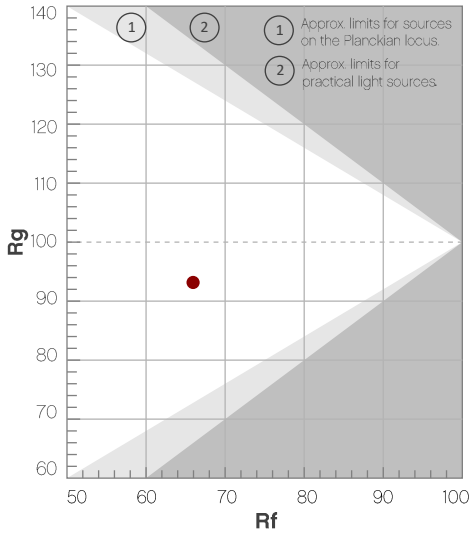
Maverick Force S Spot: Full Spot - Focus Correction Off - Full Power

TM-30-18 Details

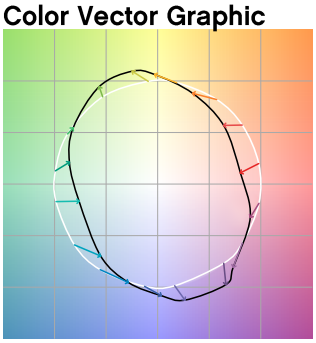
Rf 65.9
Fidelity Index (Rg)

Rg 93.2
Gamut Index (Rg)

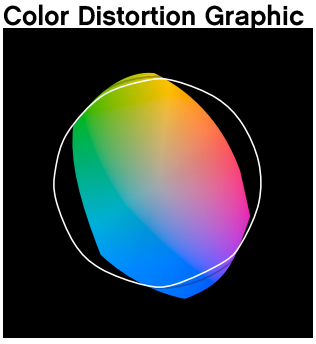
Hue Bin	R_f	Chroma Shift	Hue Shift
1	60	-19%	-5%
2	64	-15%	10%
3	58	-8%	23%
4	59	4%	23%
5	68	13%	13%
6	81	10%	-3%
7	87	-1%	-8%
8	71	-12%	-11%
9	71	-22%	4%
10	54	-15%	23%
11	41	-5%	30%
12	65	6%	18%
13	77	16%	7%
14	73	18%	-10%
15	64	6%	-25%
16	70	-6%	-15%



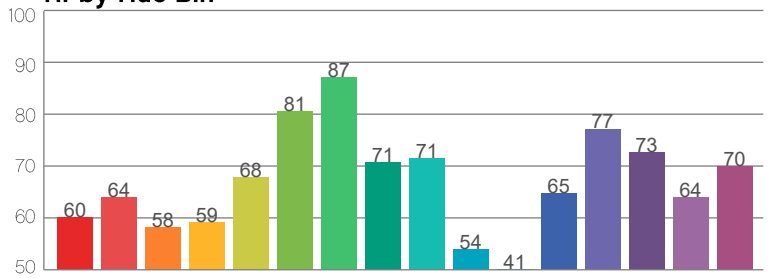
Color Vector Graphic



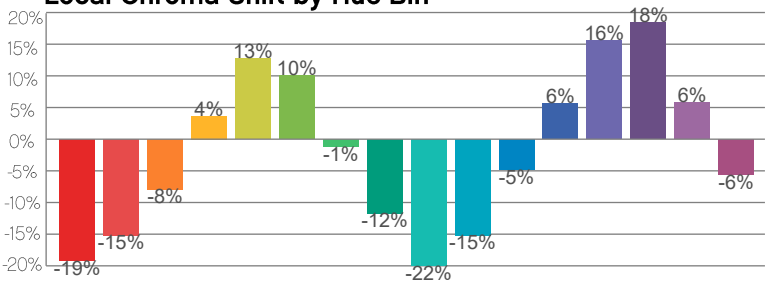
Color Distortion Graphic



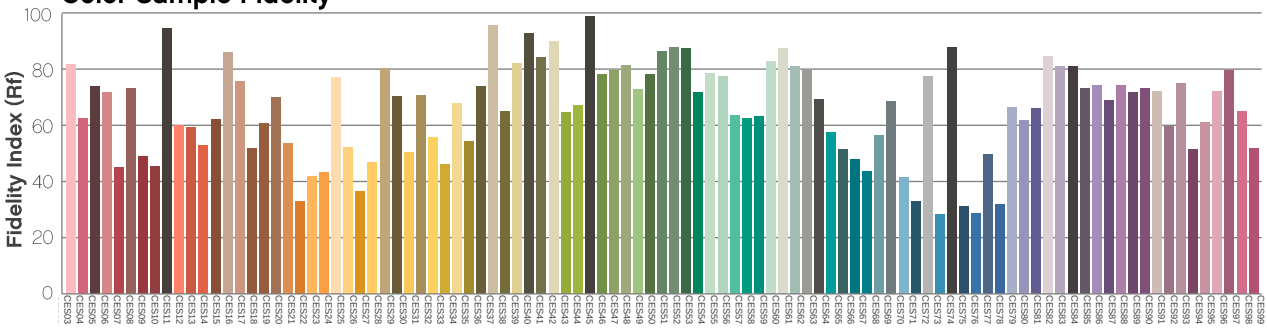
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

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

Report Summary

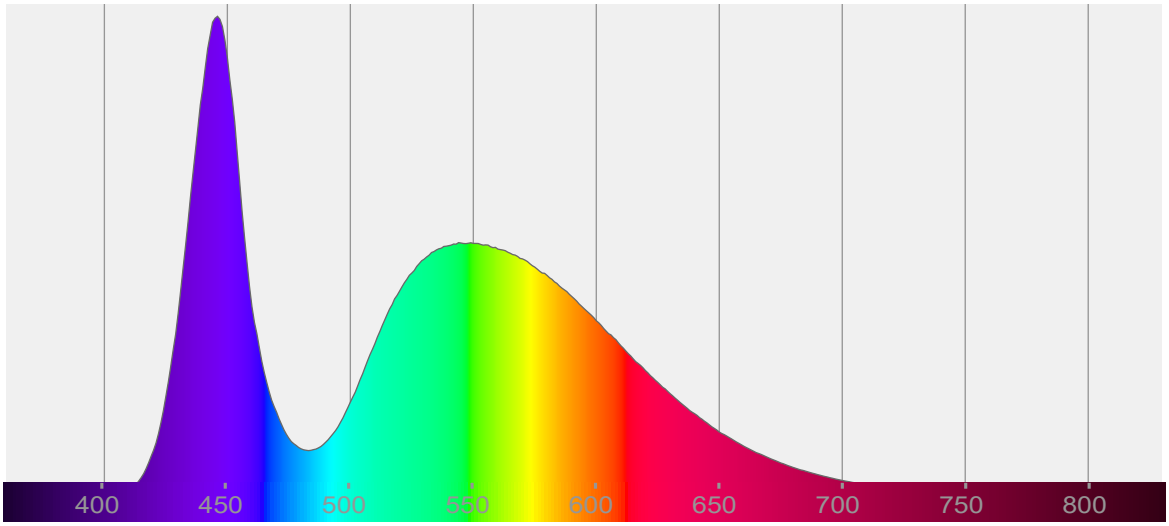
Measurements

Total Lumens: 7362 lm
Peak Intensity: 1555590 cd
Fixture Efficacy: 9 lm/W

Correlated Color Temperature: 6866K
Δuv: 0.0025

CRI: 68.0 CRI R9 Value: -42.8
CQS: 68.0
TLCI: 45
TM-30-18 Rf: 65.9
TM-30-18 Rg: 93.2
1st Dominant Wavelength: 446 nM
2nd Dominant Wavelength: 544 nM

Spectral Distribution



Tested Color

6866 K
CIE 1931 Coordinates:
X: 0.307 Y: 0.328

Color Temperature

6866 K

Light Quality

CRI: 68.0

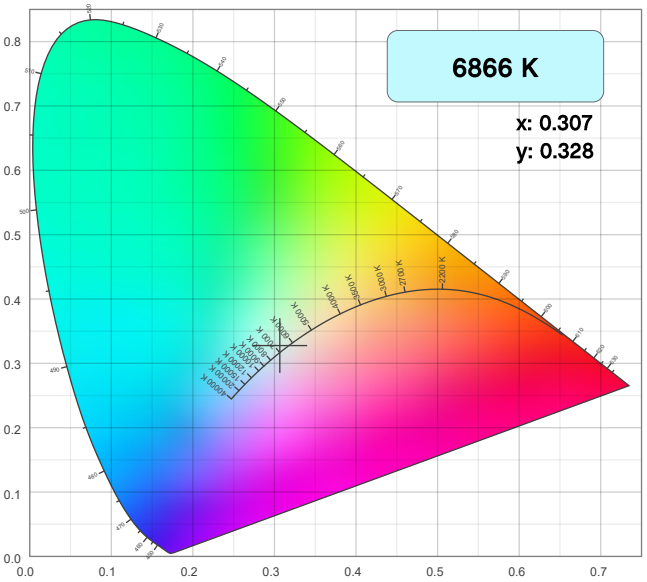
Notes:

Chromaticity Report

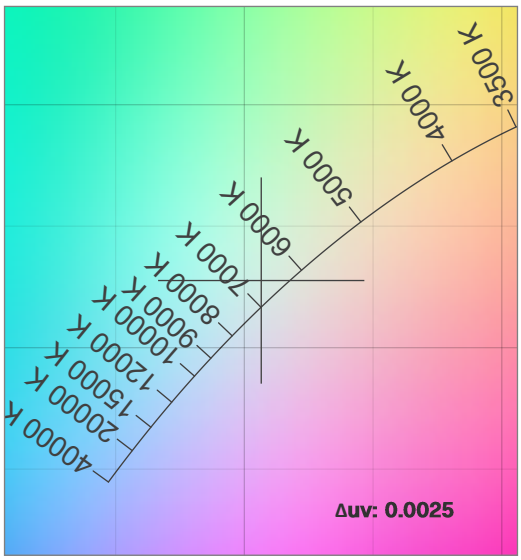
Maverick Force S Spot: Full Spot - Focus Correction On - Full Power

Chromaticity

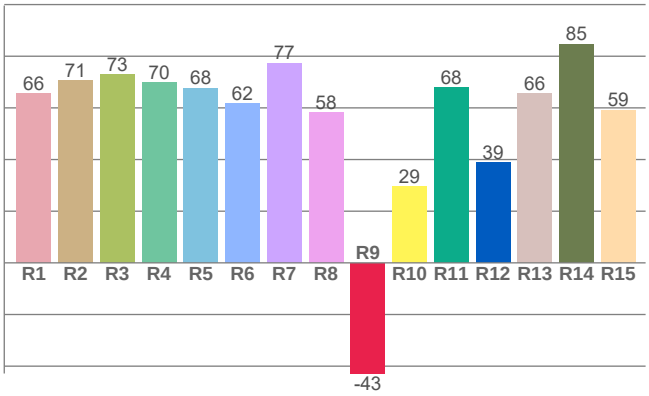
CIE 1931



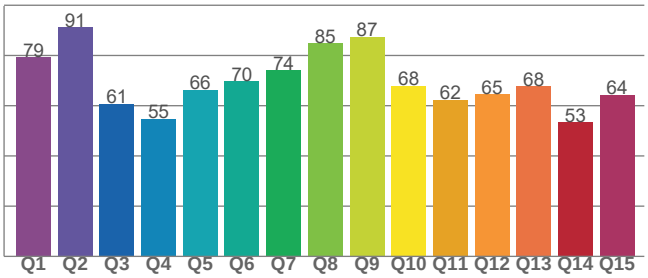
CIE 1931 - Zoom



CRI: 68.0 (R1-R8)



CQS: 68.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6866 K	0.307	0.328

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0025	0.328	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.0	-42.8	68.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
45	65.9	93.2

Chromaticity Report

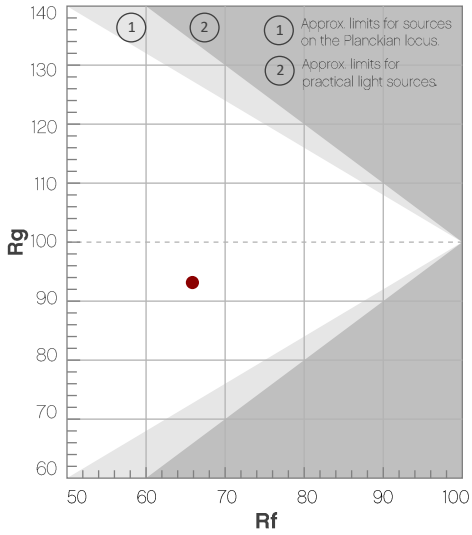
Maverick Force S Spot: Full Spot - Focus Correction On - Full Power

TM-30-18 Details

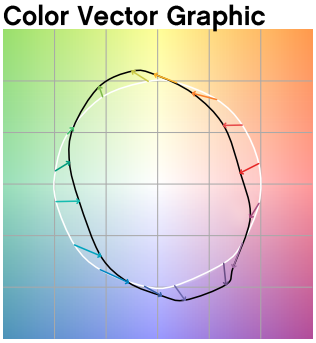
Rf 65.9
Fidelity Index (Rg)

Rg 93.2
Gamut Index (Rg)

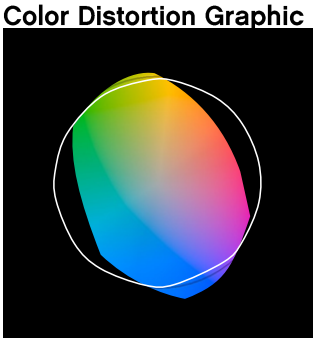
Hue Bin	R_f	Chroma Shift	Hue Shift
1	60	-19%	-5%
2	64	-15%	10%
3	58	-8%	23%
4	59	4%	23%
5	68	13%	13%
6	81	10%	-3%
7	87	-1%	-8%
8	71	-12%	-11%
9	71	-22%	4%
10	54	-15%	23%
11	41	-5%	30%
12	65	6%	18%
13	77	16%	7%
14	73	18%	-10%
15	64	6%	-25%
16	70	-6%	-15%



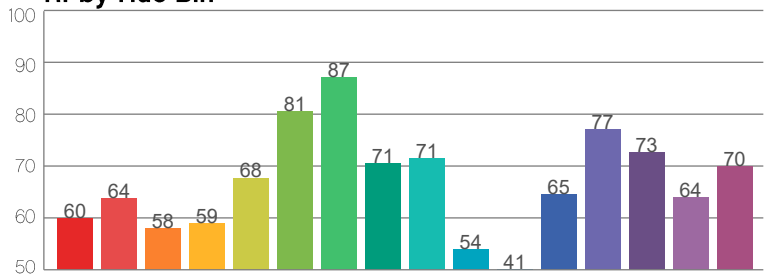
Color Vector Graphic



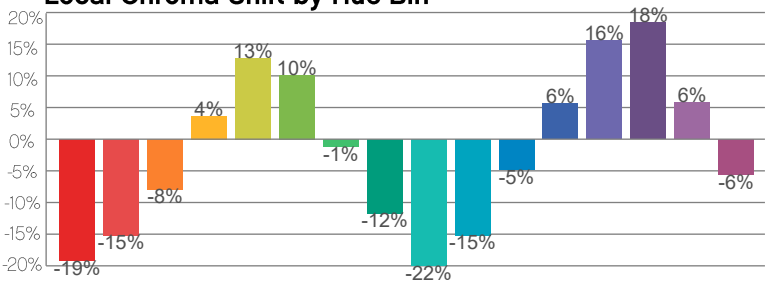
Color Distortion Graphic



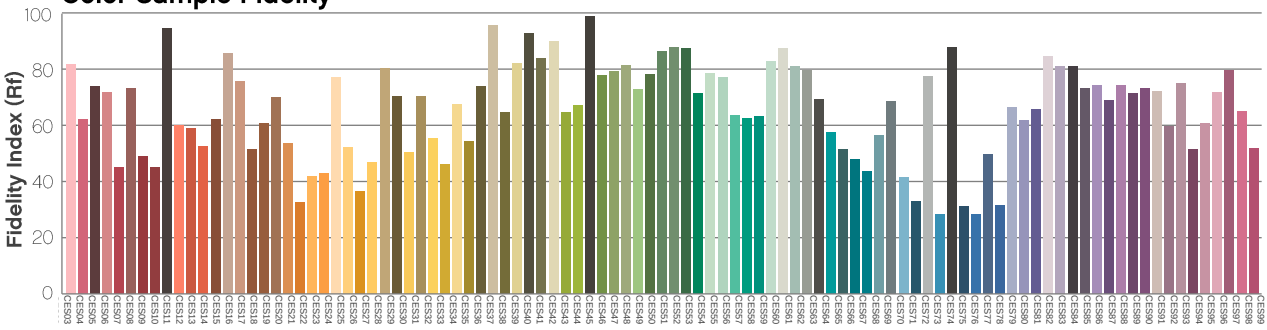
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

Maverick Force S Spot: 50% Zoom - Full Power

Report Summary

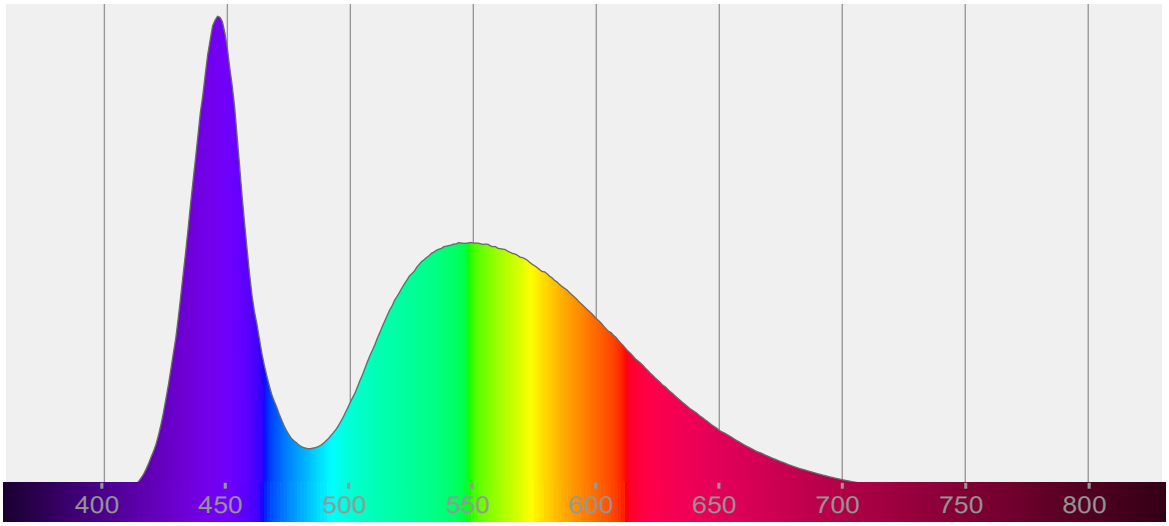
Measurements

Total Lumens: 14281 lm
Peak Intensity: 294867 cd
Fixture Efficacy: 18 lm/W

Correlated Color Temperature: 6858K
Δuv: 0.0017

CRI: 68.6 CRI R9 Value: -39.5
CQS: 68.2
TLCI: 45
TM-30-18 Rf: 66.3
TM-30-18 Rg: 93.3
1st Dominant Wavelength: 446 nM
2nd Dominant Wavelength: 549 nM

Spectral Distribution



Tested Color

6858 K
CIE 1931 Coordinates:
X: 0.307 Y: 0.327

Color Temperature

6858 K

Light Quality

CRI: 68.6

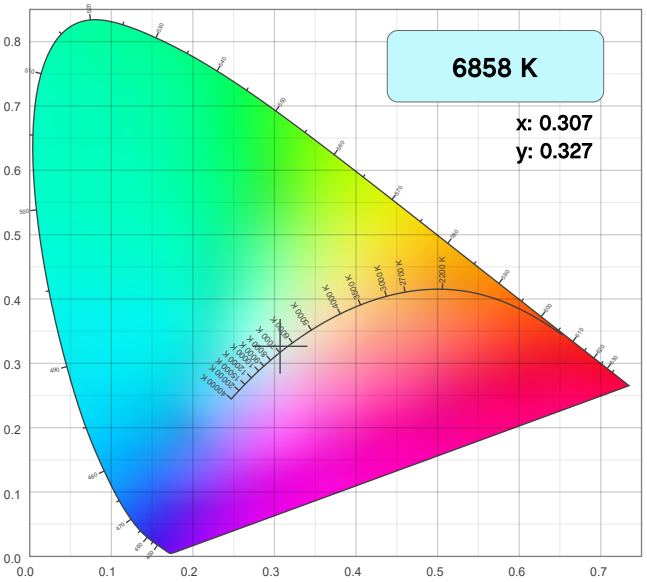
Notes:

Chromaticity Report

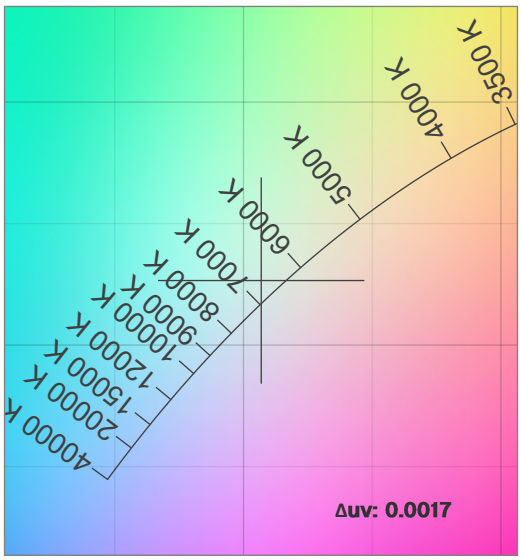
Maverick Force S Spot: 50% Zoom - Full Power

Chromaticity

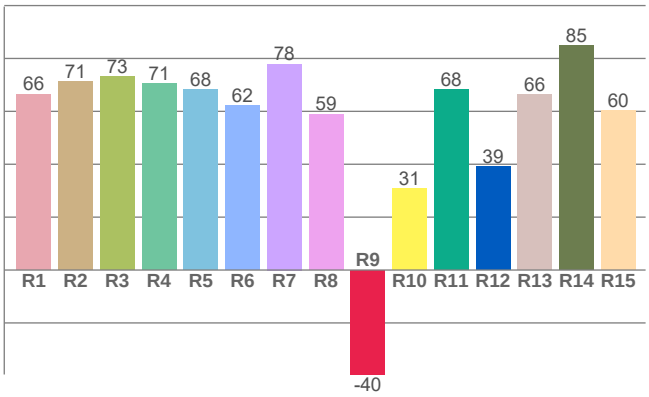
CIE 1931



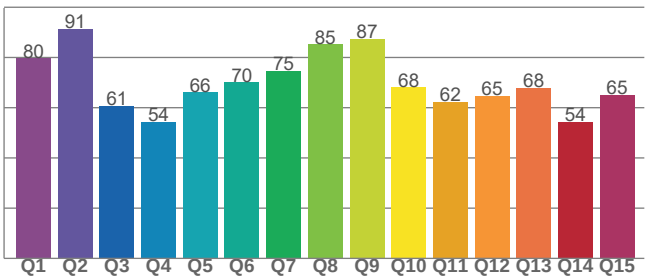
CIE 1931 - Zoom



CRI: 68.6 (R1-R8)



CQS: 68.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6858 K	0.307	0.327

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0017	0.327	0.195

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
68.6	-39.5	68.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
45	66.3	93.3

Chromaticity Report

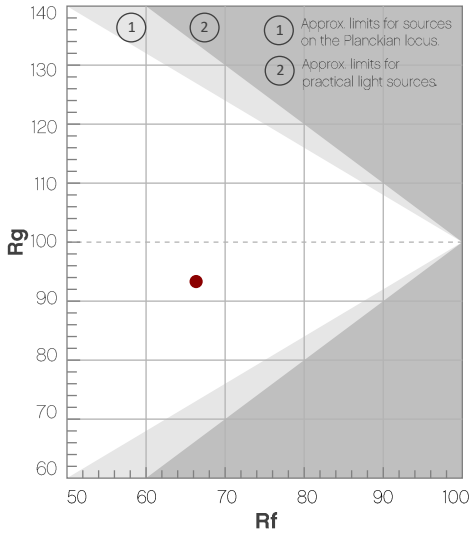
Maverick Force S Spot: 50% Zoom - Full Power

TM-30-18 Details

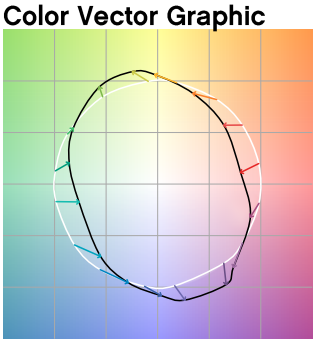
Rf 66.3
Fidelity Index (Rg)

Rg 93.3
Gamut Index (Rg)

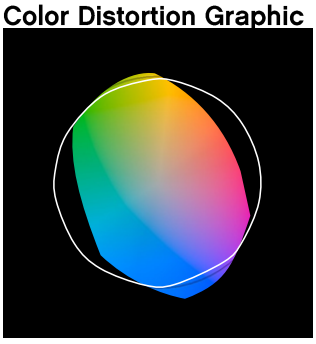
Hue Bin	R_f	Chroma Shift	Hue Shift
1	61	-19%	-5%
2	64	-15%	10%
3	59	-8%	22%
4	60	4%	22%
5	68	12%	13%
6	81	10%	-3%
7	87	-1%	-8%
8	71	-12%	-10%
9	72	-22%	5%
10	54	-15%	23%
11	41	-5%	29%
12	65	6%	18%
13	77	16%	7%
14	73	18%	-10%
15	64	6%	-24%
16	71	-6%	-15%



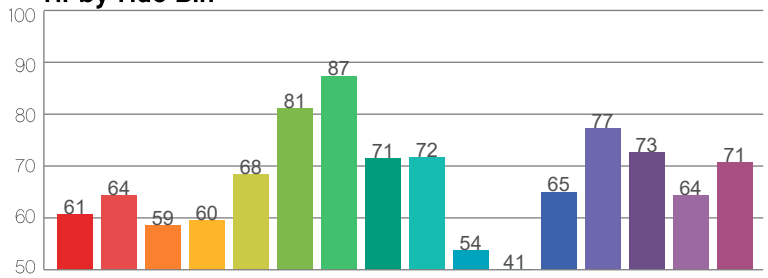
Color Vector Graphic



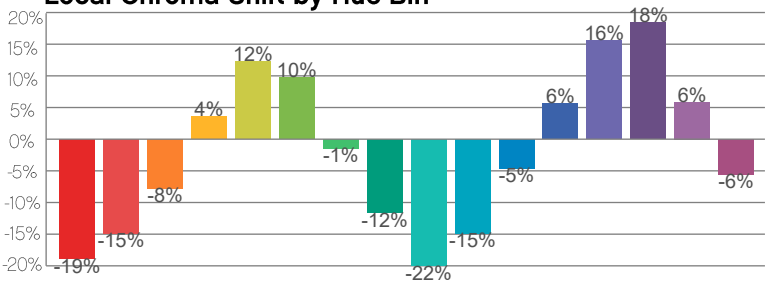
Color Distortion Graphic



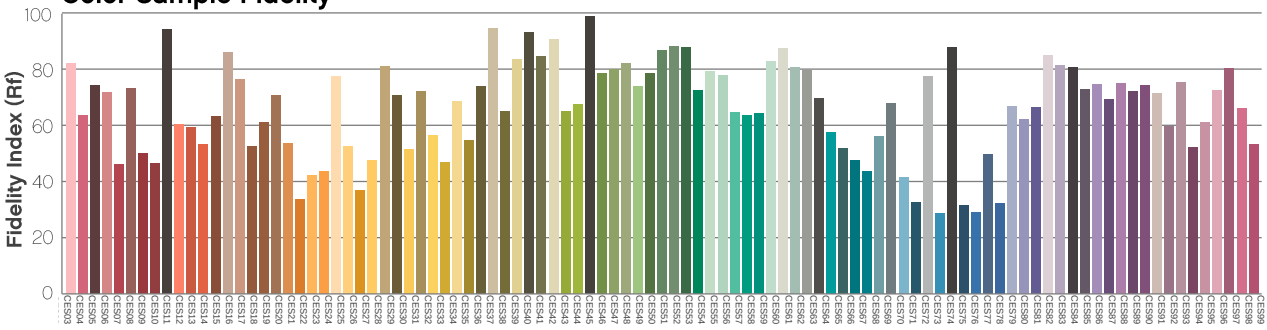
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

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

Report Summary

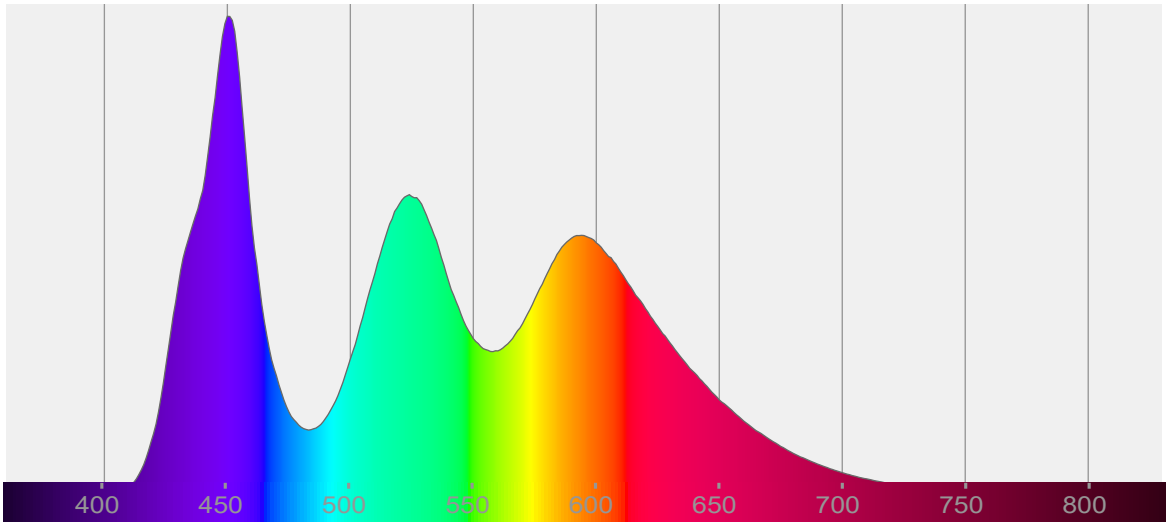
Measurements

Total Lumens: 9676 lm
Peak Intensity: 200168 cd
Fixture Efficacy: 12 lm/W

Correlated Color Temperature: 6360K
Δuv: -0.0097

CRI: 89.6 CRI R9 Value: 43.3
CQS: 87.1
TLCI: 68
TM-30-18 Rf: 84.0
TM-30-18 Rg: 105.4
1st Dominant Wavelength: 450 nM
2nd Dominant Wavelength: 524 nM

Spectral Distribution



Tested Color

6360 K
CIE 1931 Coordinates:
X: 0.317 Y: 0.315

Color Temperature

6360 K

Light Quality

CRI: 89.6

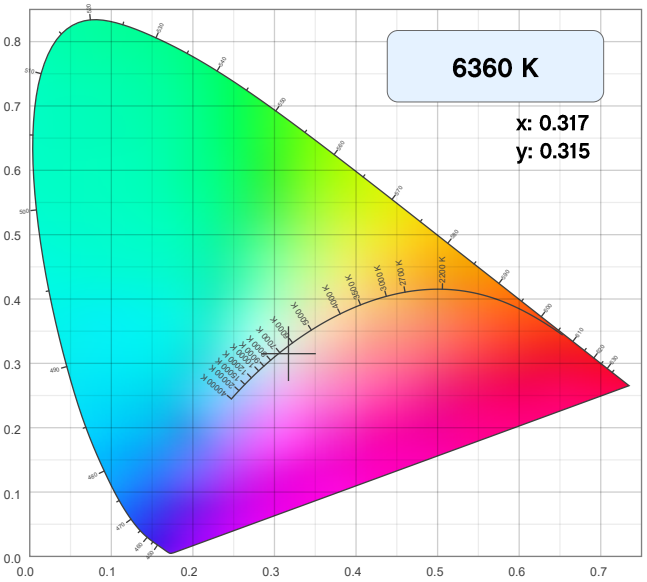
Notes:

Chromaticity Report

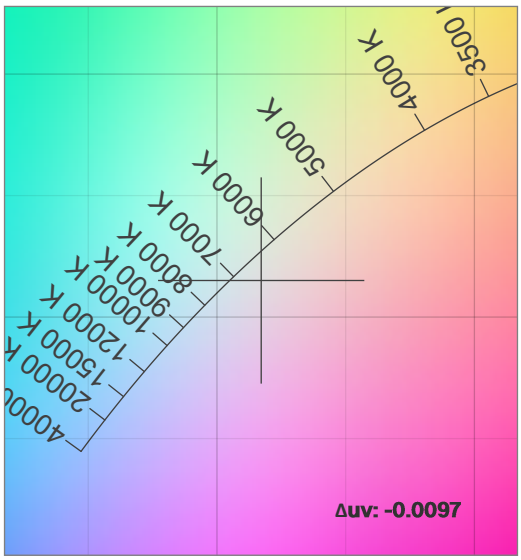
Maverick Force S Spot: 50% Zoom - CRI Filter - Full Power

Chromaticity

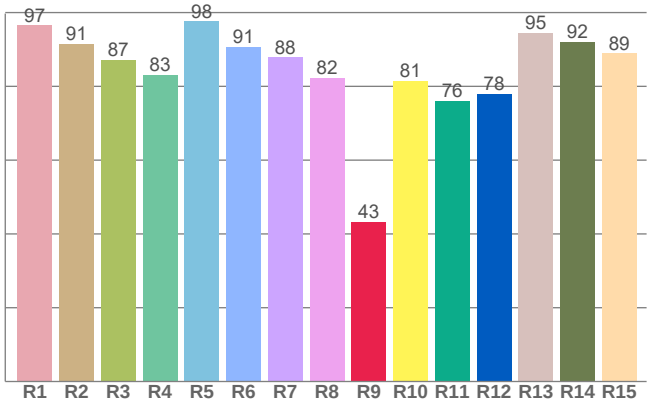
CIE 1931



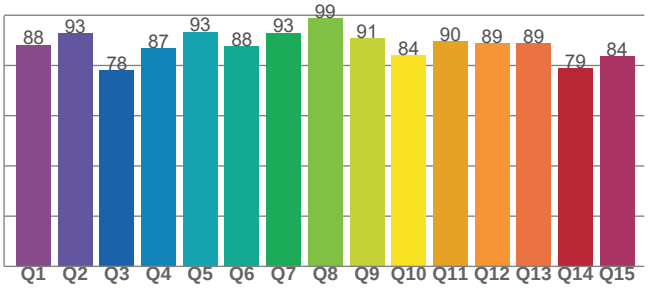
CIE 1931 - Zoom



CRI: 89.6 (R1-R8)



CQS: 87.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6360 K	0.317	0.315

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0097	0.315	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
89.6	43.3	87.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
68	84.0	105.4

Chromaticity Report

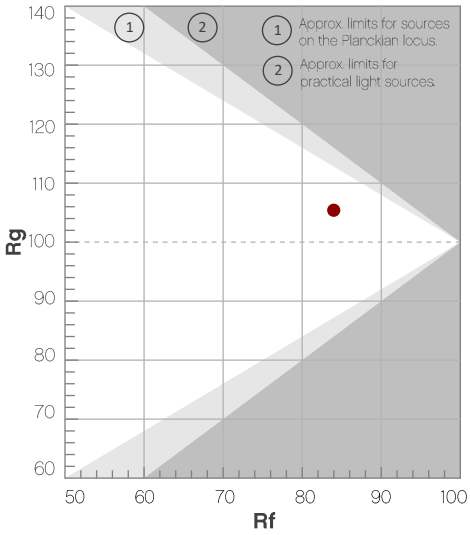
Maverick Force S Spot: 50% Zoom - CRI Filter - Full Power

TM-30-18 Details

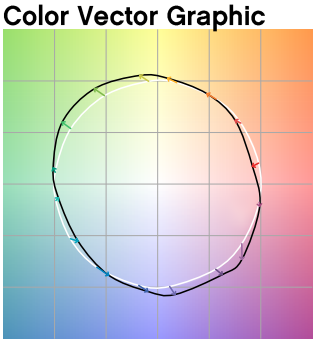
Rf 84.0
Fidelity Index (Rg)

Rg 105.4
Gamut Index (Rg)

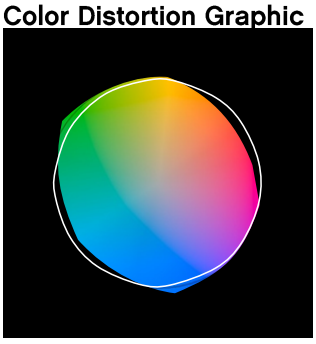
Hue Bin	R_f	Chroma Shift	Hue Shift
1	86	-6%	-2%
2	88	-3%	5%
3	80	-1%	10%
4	82	3%	9%
5	81	7%	7%
6	82	11%	4%
7	83	10%	0%
8	91	3%	-4%
9	92	-3%	-2%
10	85	-5%	6%
11	75	0%	14%
12	82	4%	10%
13	87	9%	4%
14	84	8%	2%
15	81	9%	-12%
16	91	1%	-4%



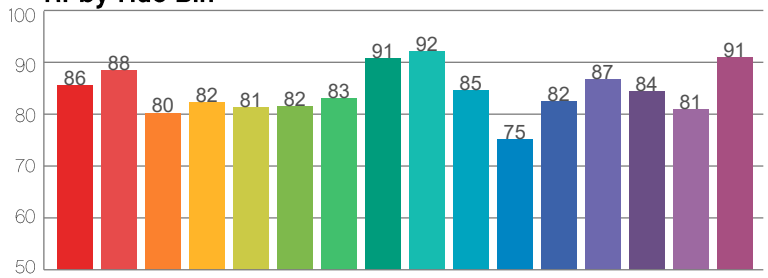
Color Vector Graphic



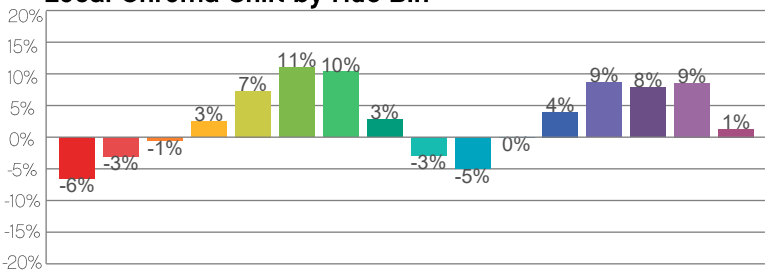
Color Distortion Graphic



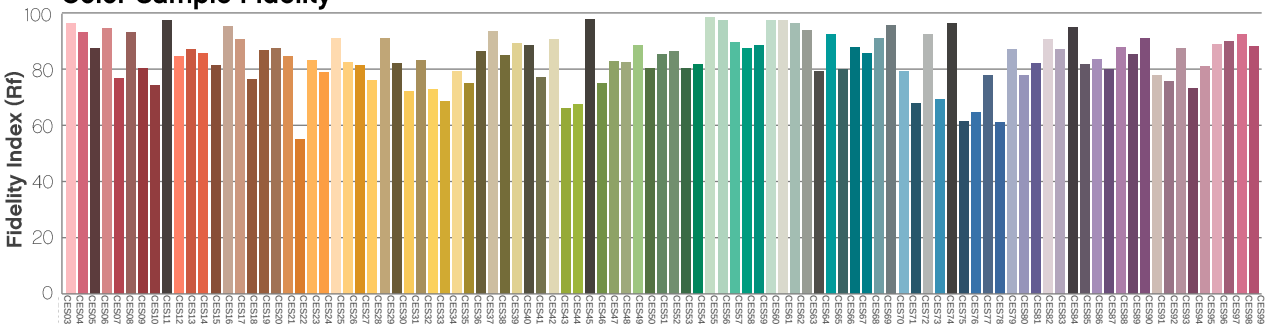
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



Chromaticity Report

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

Report Summary

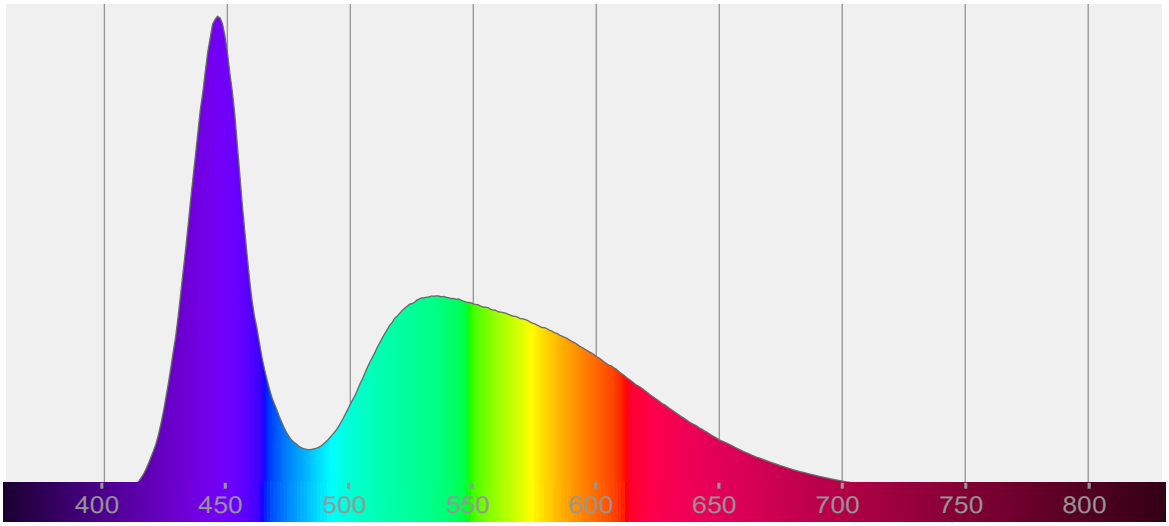
Measurements

Total Lumens: 10672 lm
Peak Intensity: 225821 cd
Fixture Efficacy: 14 lm/W

Correlated Color Temperature: 8750K
Δuv: -0.0033

CRI: 74.2 CRI R9 Value: -3.9
CQS: 72.7
TLCI: 56
TM-30-18 Rf: 69.7
TM-30-18 Rg: 96.9
1st Dominant Wavelength: 446 nM
2nd Dominant Wavelength: 535 nM

Spectral Distribution



Tested Color

8750 K
CIE 1931 Coordinates:
X: 0.289 Y: 0.297

Color Temperature

8750 K

Light Quality

CRI: 74.2

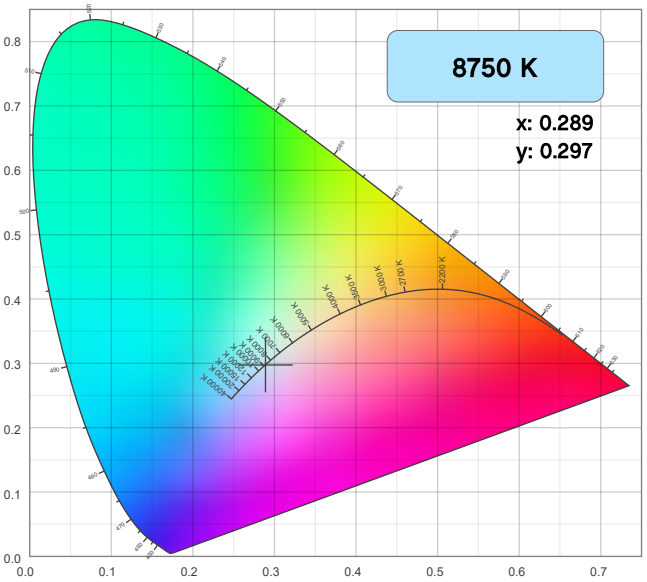
Notes:

Chromaticity Report

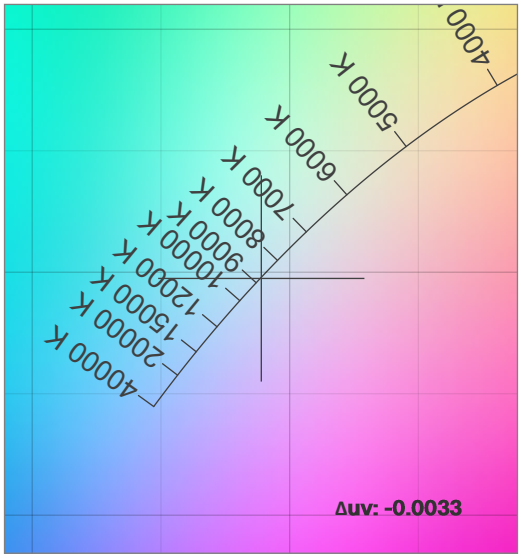
Maverick Force S Spot: 50% Zoom - CTB Filter - Full Power

Chromaticity

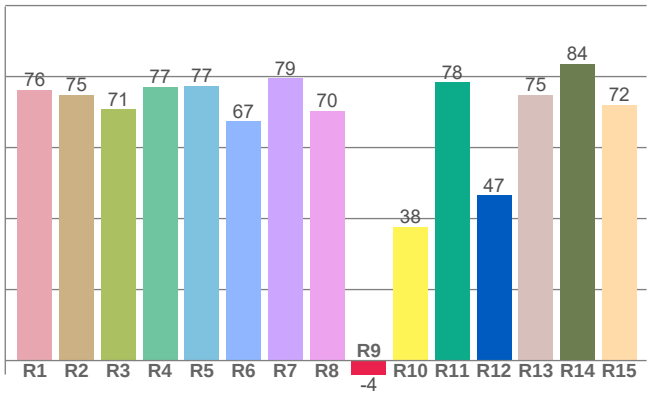
CIE 1931



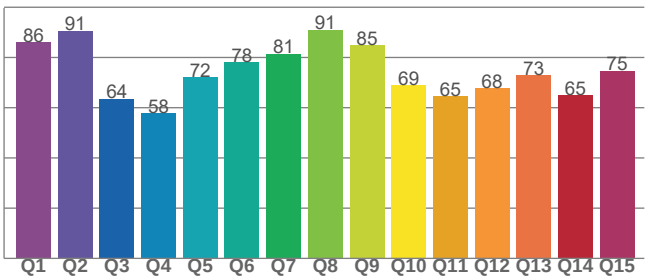
CIE 1931 - Zoom



CRI: 74.2 (R1-R8)



CQS: 72.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8750 K	0.289	0.297

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0033	0.297	0.193

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
74.2	-3.9	72.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
56	69.7	96.9

Chromaticity Report

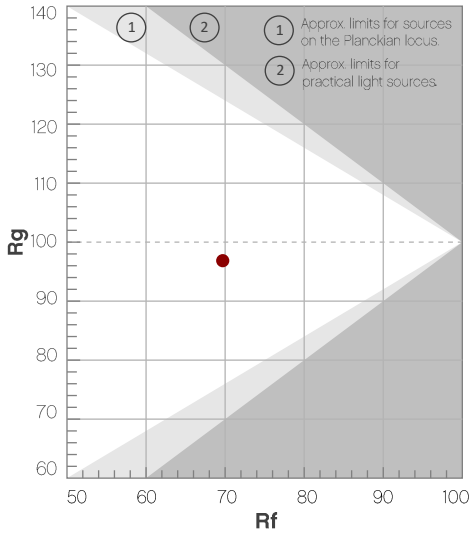
Maverick Force S Spot: 50% Zoom - CTB Filter - Full Power

TM-30-18 Details

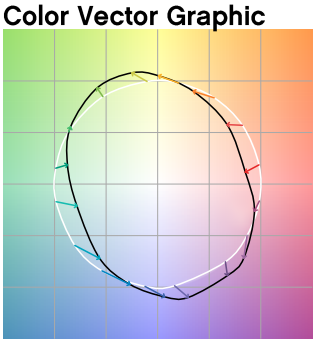
Rf 69.7
Fidelity Index (Rg)

Rg 96.9
Gamut Index (Rg)

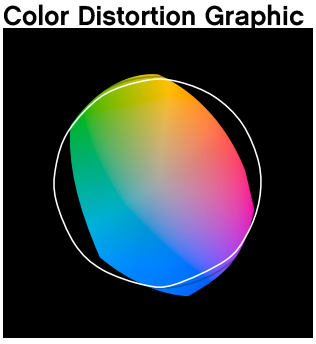
Hue Bin	R_f	Chroma Shift	Hue Shift
1	70	-14%	-4%
2	71	-12%	9%
3	60	-6%	20%
4	66	3%	21%
5	69	11%	13%
6	81	10%	0%
7	92	1%	-5%
8	76	-10%	-5%
9	74	-19%	8%
10	61	-13%	24%
11	34	-4%	30%
12	67	6%	21%
13	75	14%	11%
14	75	12%	-6%
15	71	10%	-20%
16	78	-3%	-10%



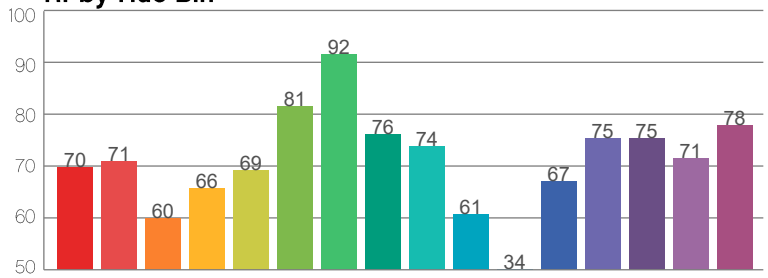
Color Vector Graphic



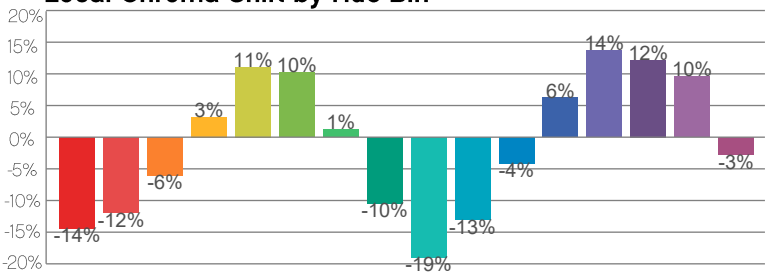
Color Distortion Graphic



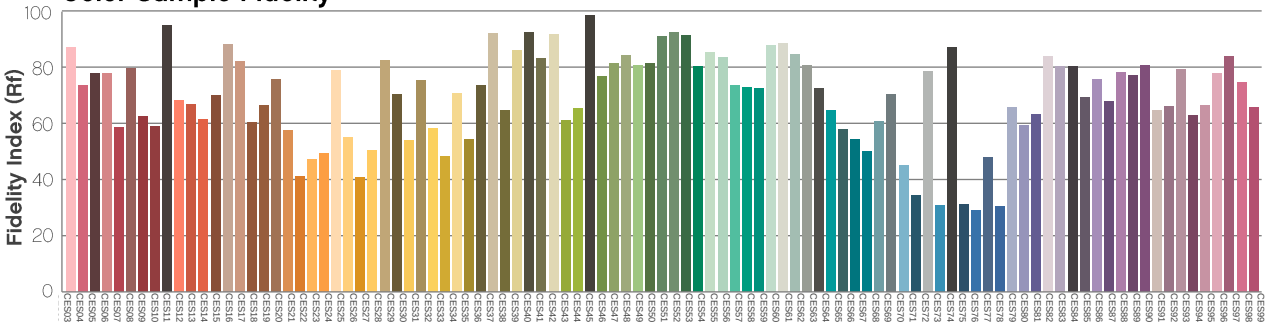
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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