

PHOTOMETRICS REPORT

# MAVERICK

MK3 PROFILE CX



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 CX: Full Flood, Full Power

## Report Summary

### Output

Total Lumens: 21558 lm  
Peak Intensity: 35186 cd  
Illuminance @ 5m: 1407 lux  
Fixture Efficacy: 20 lm/W

### Optical

Horizontal Beam Angle (50%): 53.1°  
Vertical Beam Angle (50%): 53.1°  
Horizontal Field Angle (10%): 61.3°  
Vertical Field Angle (10%): 61.3°  
Horizontal Cutoff Angle (3%): 62.9°  
Vertical Cutoff Angle (3%): 62.9°

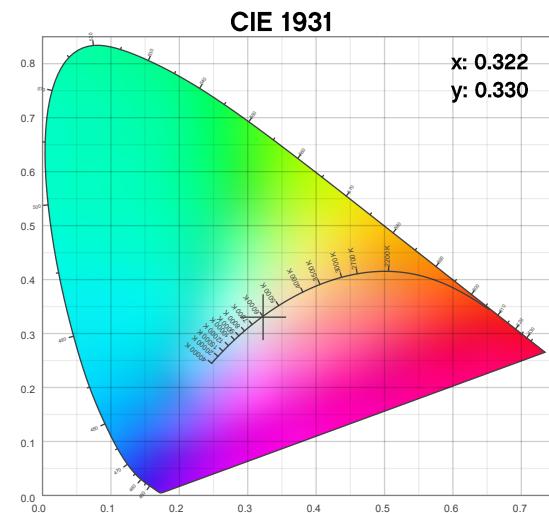
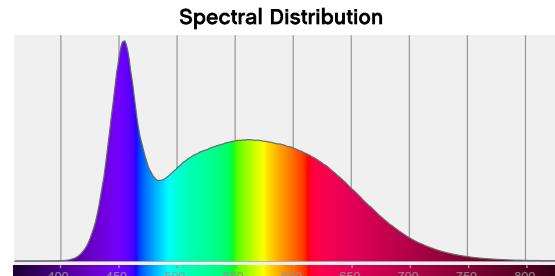
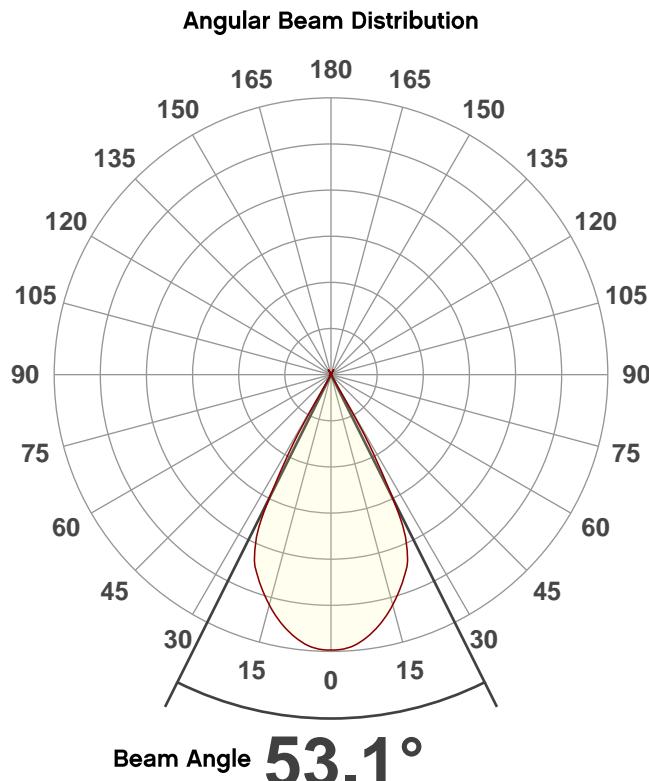


### Conditions

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 E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 7/2/2019 to LM-63-2002 Standards.

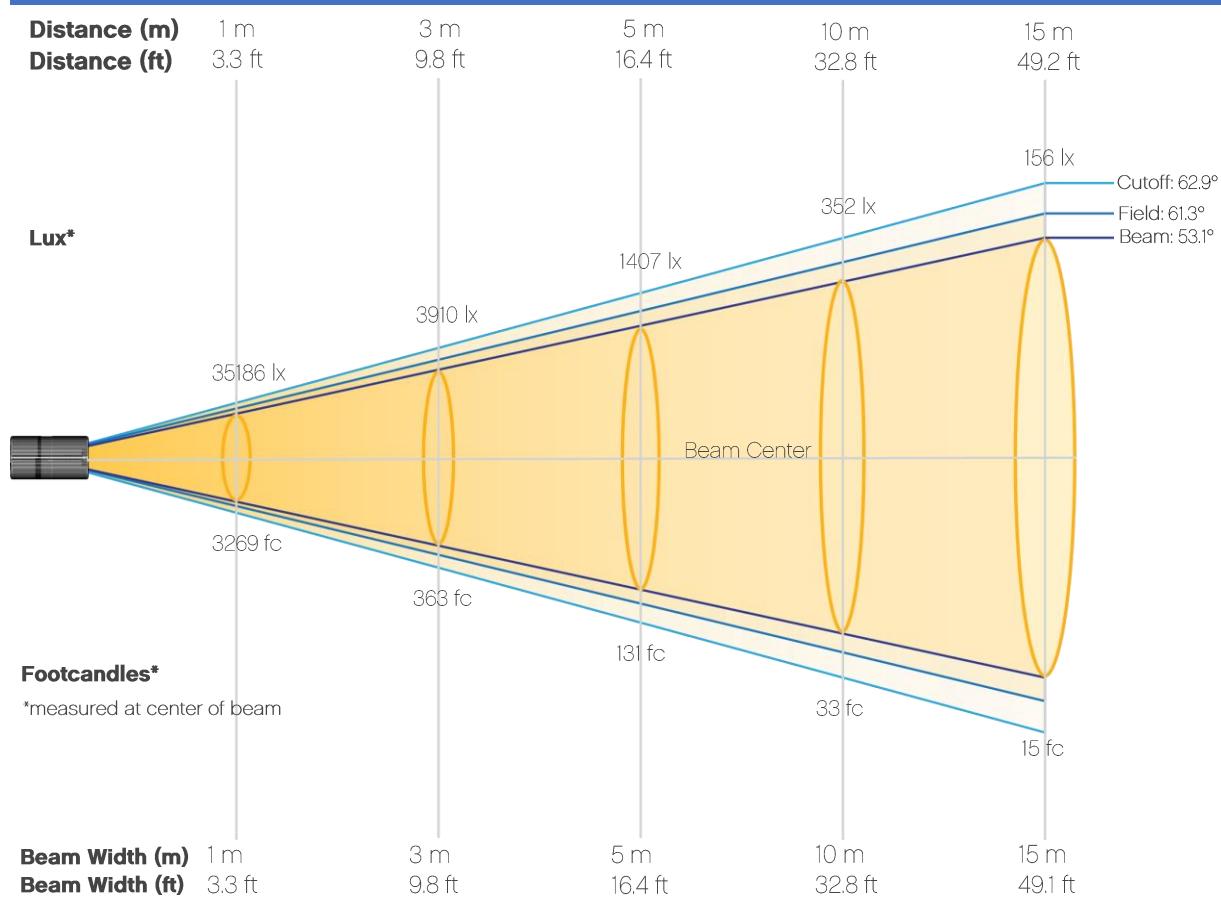
## Overall Measurement



# Photometric Report

Maverick MK3 Profile CX: Full Flood, Full Power

## Beam Details

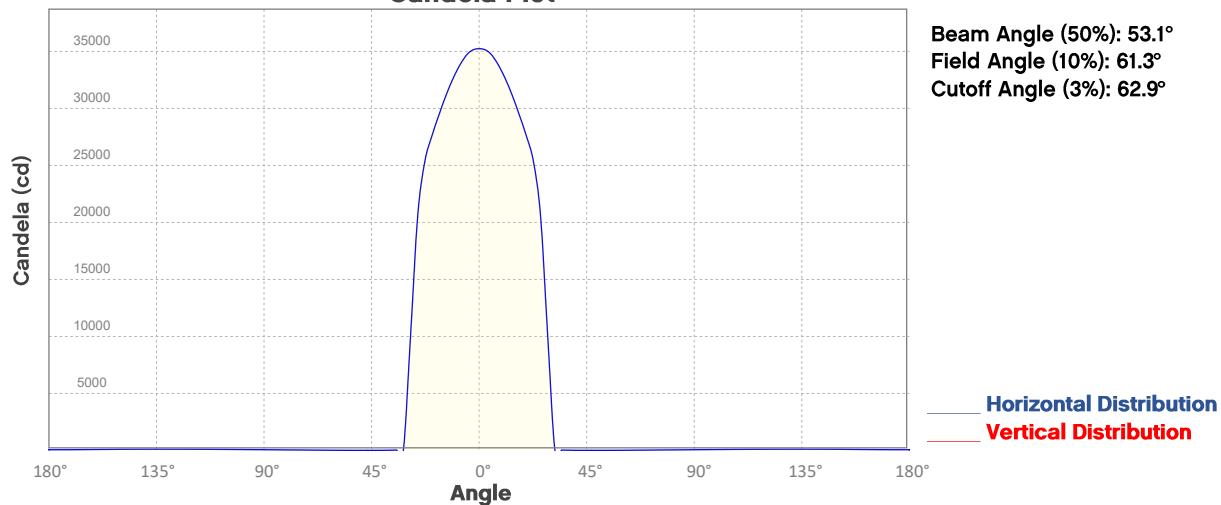


## Beam Illuminances from 1-20m (3.3-65.6ft)

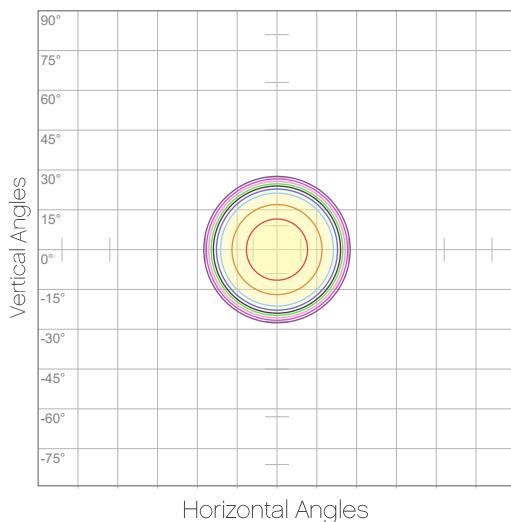
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	35186	8797	3910	2199	1407	977	718	550	434	352
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	291	244	208	180	156	137	122	109	97	88
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3269	817	363	204	131	91	67	51	40	33
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	27	23	19	17	15	13	11	10	9	8

# Photometric Report

## Maverick MK3 Profile CX: Full Flood, Full Power Candela Plot



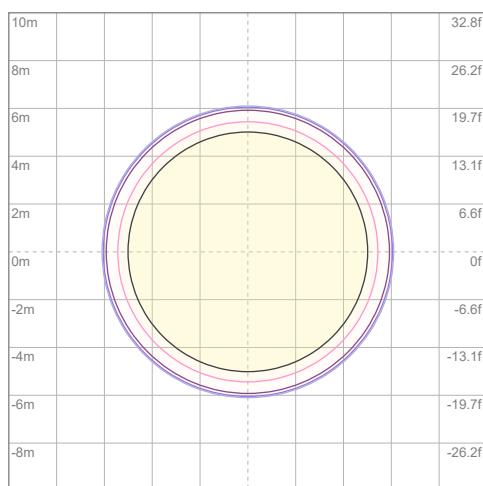
## Polar Diagrams



**iso-candela Diagram**

10%	3519 cd
20%	7037 cd
30%	10556 cd
40%	14075 cd
50%	17593 cd
60%	21112 cd
70%	24630 cd
80%	28149 cd
90%	31668 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 35186 cd



**iso-illuminance Diagram**

3%	10.6 lx
5%	17.6 lx
10%	35.2 lx
30%	106 lx
50%	176 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 352 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

Maverick MK3 Profile CX: Full Flood with CTO Filter, 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°

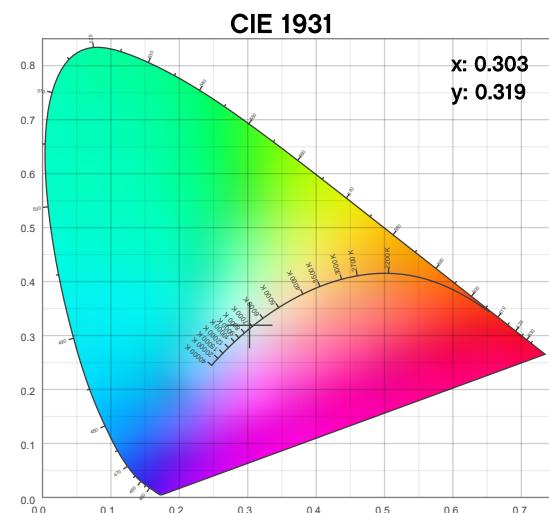
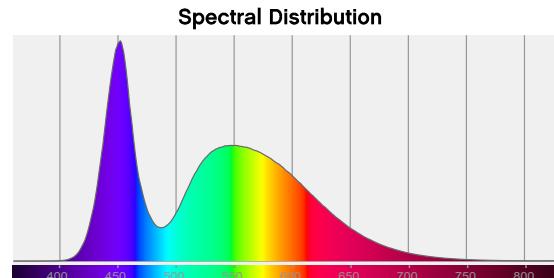
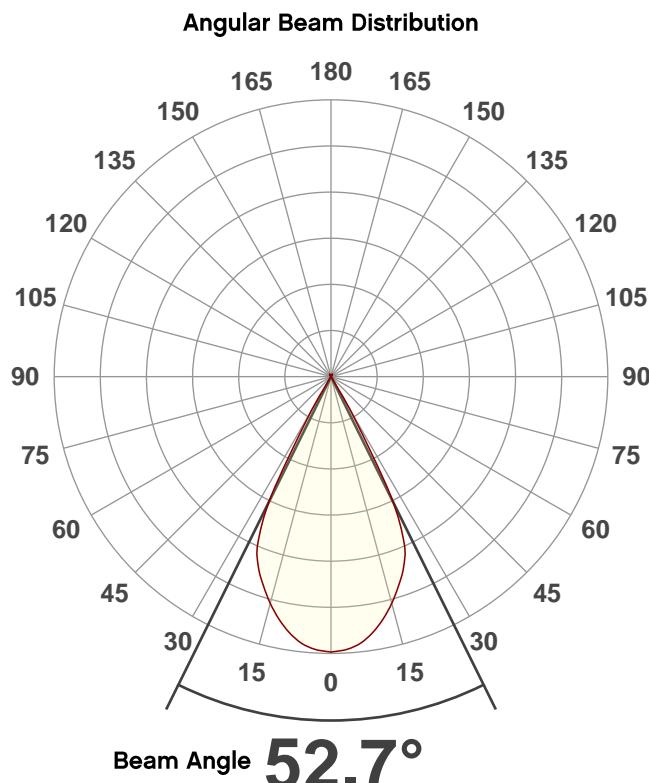


### Conditions

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.

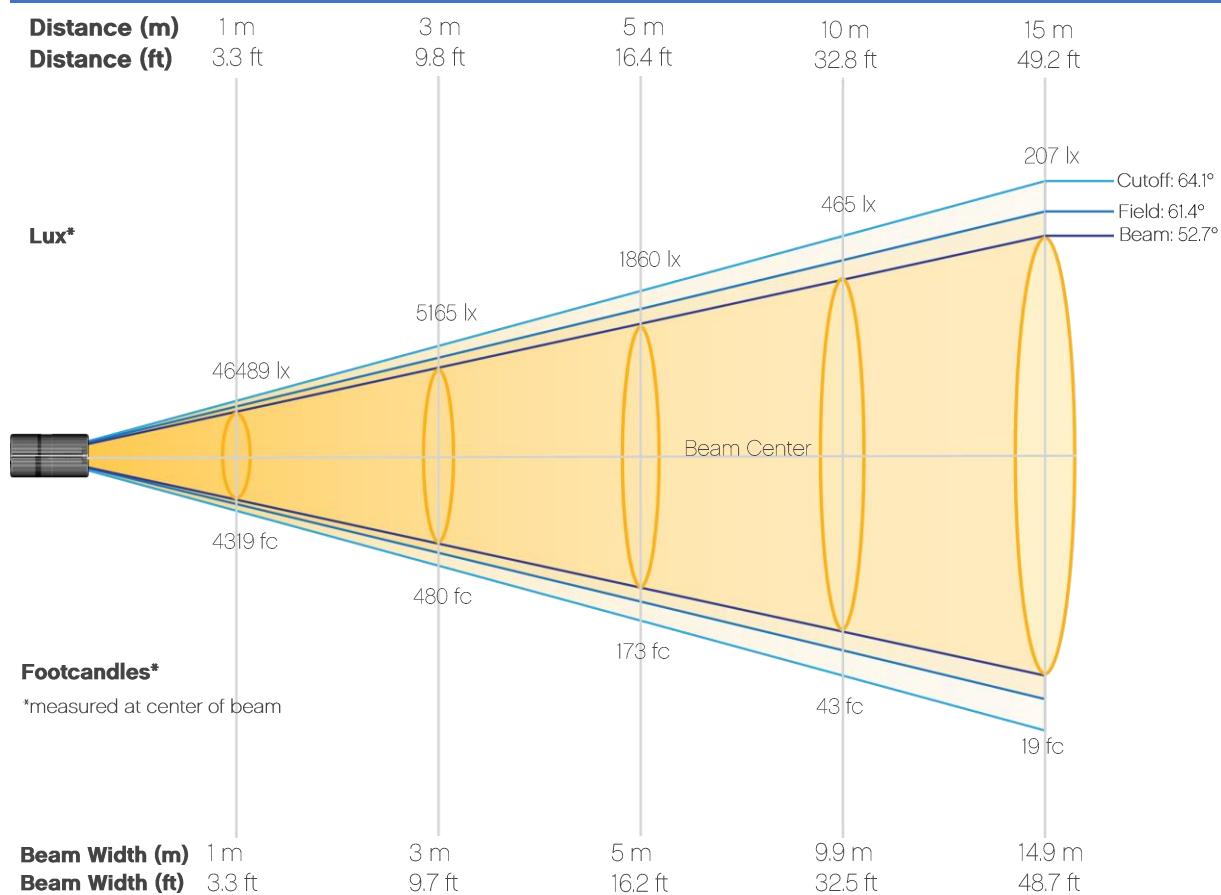
## Overall Measurement



# Photometric Report

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

## Beam Details

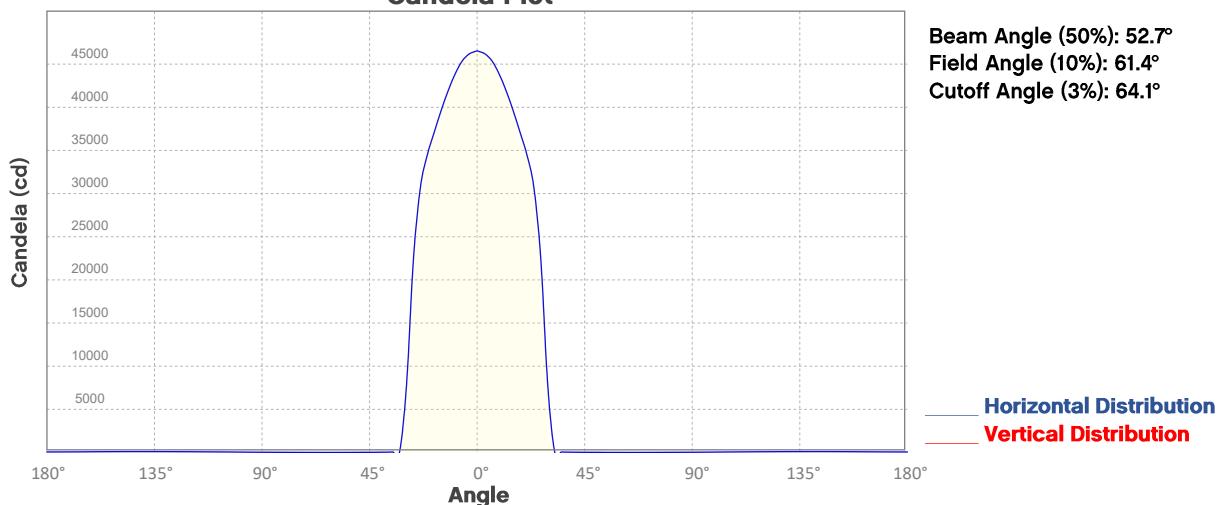


## Beam Illuminances from 1-20m (3.3-65.6ft)

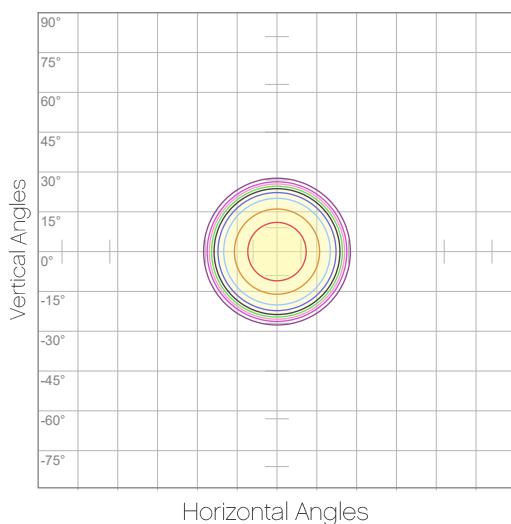
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	46489	11622	5165	2906	1860	1291	949	726	574	465
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	384	323	275	237	207	182	161	143	129	116
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4319	1080	480	270	173	120	88	67	53	43
Distance	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

# Photometric Report

Maverick MK3 Profile CX: Full Flood with CTO Filter, Full Power  
Candela Plot



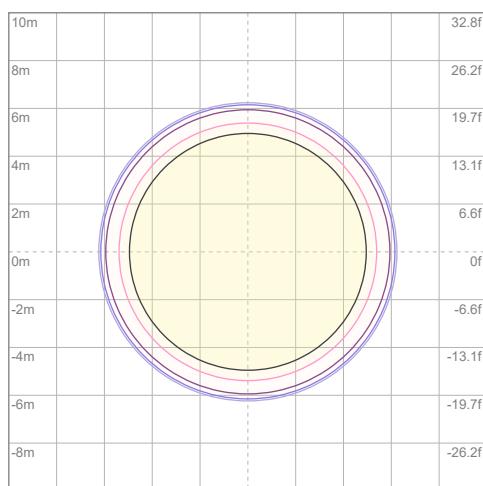
## Polar Diagrams



**iso-candela Diagram**

10%	46489 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

# Photometric Report

Maverick MK3 Profile CX: Full Spot, Full Power

## Report Summary

### Output

Total Lumens: 10147 lm  
Peak Intensity: 1076718 cd  
Illuminance @ 5m: 43069 lux  
Fixture Efficacy: 9 lm/W

### Optical

Horizontal Beam Angle (50%): 6.1°  
Vertical Beam Angle (50%): 6.1°  
Horizontal Field Angle (10%): 7.5°  
Vertical Field Angle (10%): 7.5°  
Horizontal Cutoff Angle (3%): 8.2°  
Vertical Cutoff Angle (3%): 8.2°

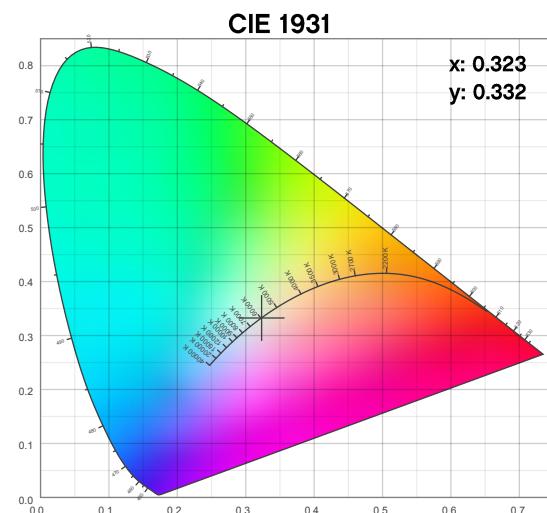
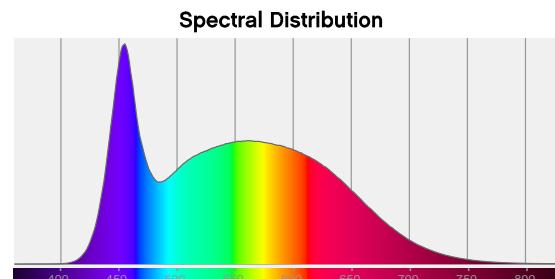
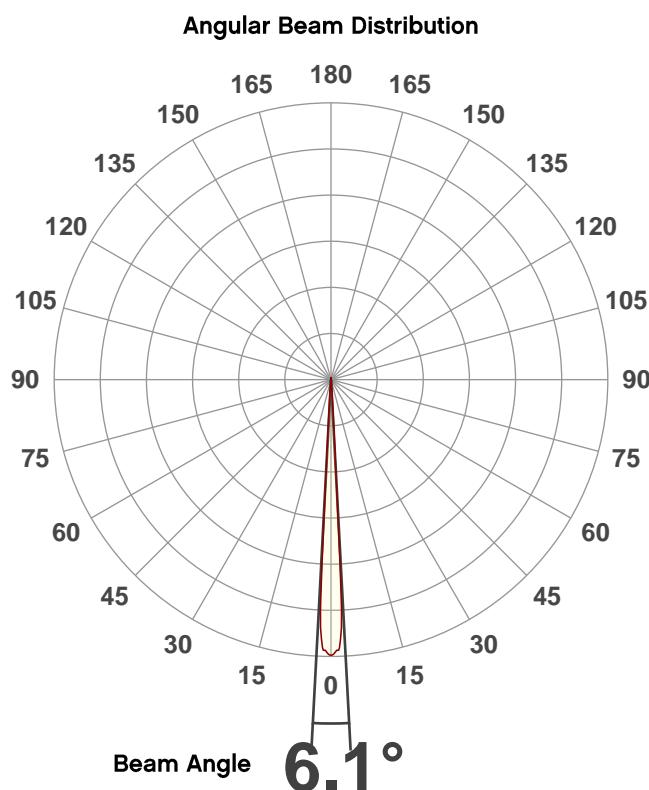


### Conditions

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

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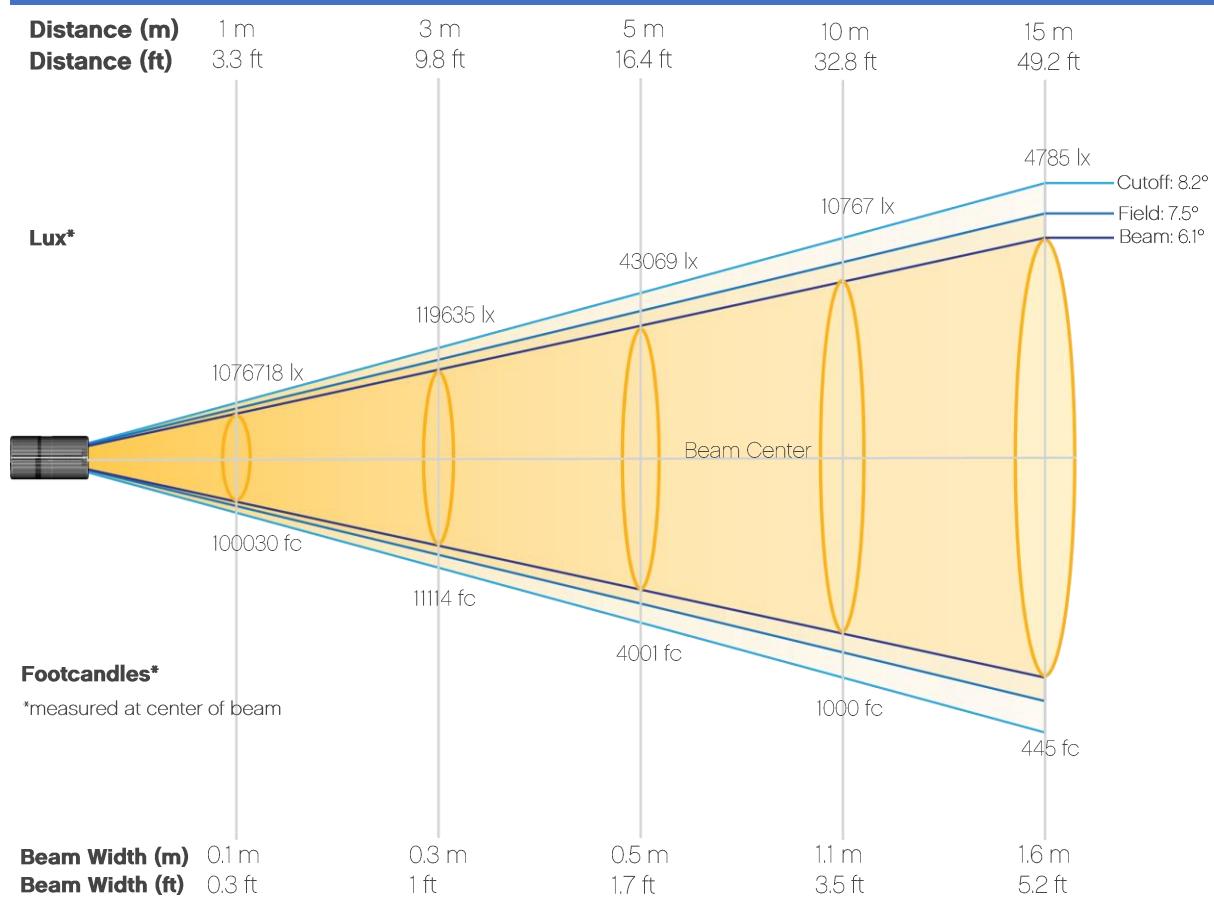
## Overall Measurement



# Photometric Report

Maverick MK3 Profile CX: Full Spot, Full Power

## Beam Details

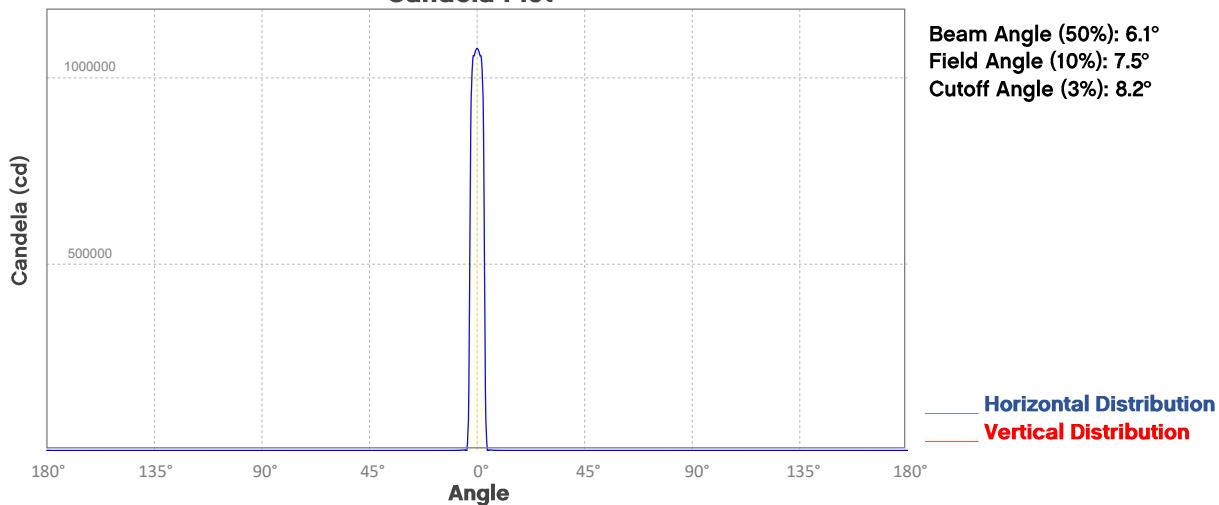


## Beam Illuminances from 1-20m (3.3-65.6ft)

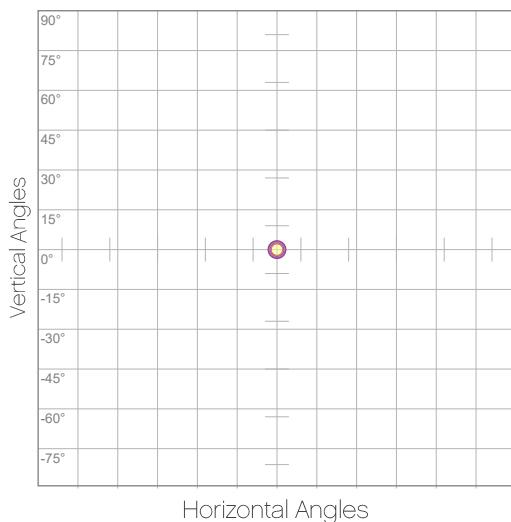
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
LUX	1076718	269179	119635	67295	43069	29909	21974	16824	13293	10767
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
LUX	8898	7477	6371	5493	4785	4206	3726	3323	2983	2692
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	100030	25008	11114	6252	4001	2779	2041	1563	1235	1000
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	827	695	592	510	445	391	346	309	277	250

# Photometric Report

## Maverick MK3 Profile CX: Full Spot, Full Power Candela Plot



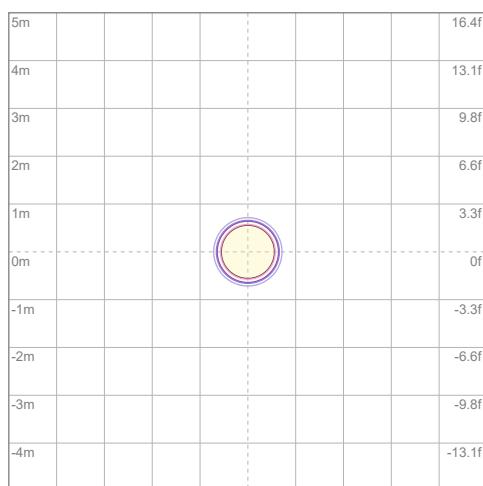
## Polar Diagrams



**iso-candela Diagram**

10%	107672 cd
20%	215344 cd
30%	323015 cd
40%	430687 cd
50%	538359 cd
60%	646031 cd
70%	753703 cd
80%	861374 cd
90%	969046 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 1076718 cd



**iso-illuminance Diagram**

3%	323 lx
5%	538 lx
10%	1077 lx
30%	3230 lx
50%	5384 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 10.8K lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

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

## Report Summary

### Output

Total Lumens: 3994 lm  
Peak Intensity: 405740 cd  
Illuminance @ 5m: 16230 lux  
Fixture Efficacy: 4 lm/W

### Optical

Horizontal Beam Angle (50%): 6°  
Vertical Beam Angle (50%): 6°  
Horizontal Field Angle (10%): 8°  
Vertical Field Angle (10%): 8°  
Horizontal Cutoff Angle (3%): 8.5°  
Vertical Cutoff Angle (3%): 8.5°

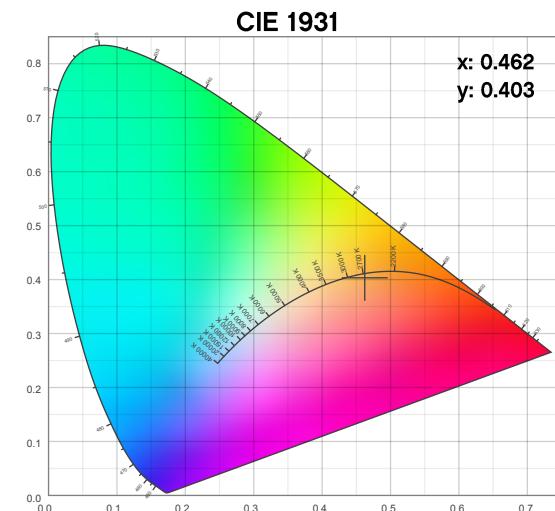
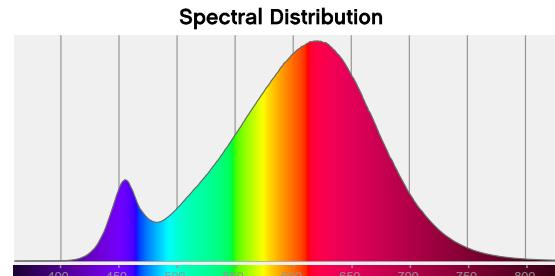
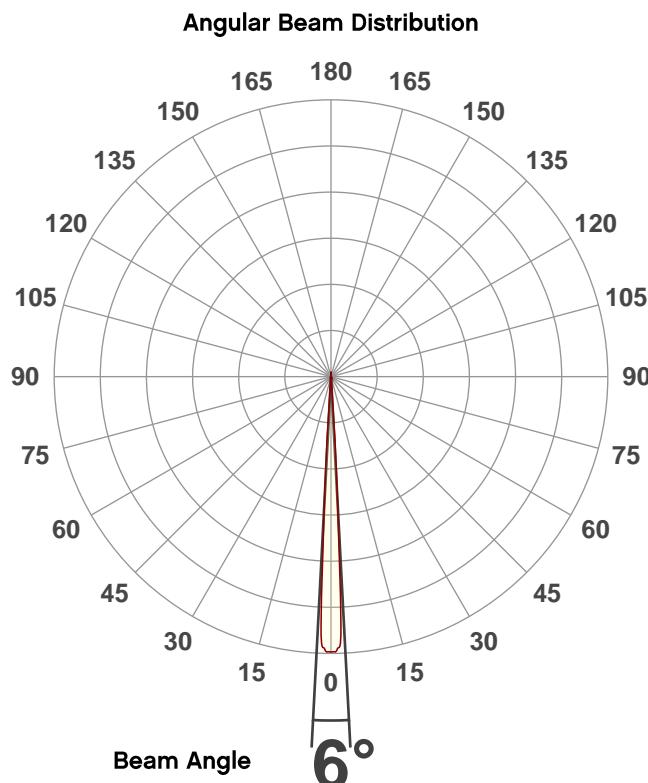


### Conditions

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 E1.19 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 7/2/2019 to LM-63-2002 Standards.

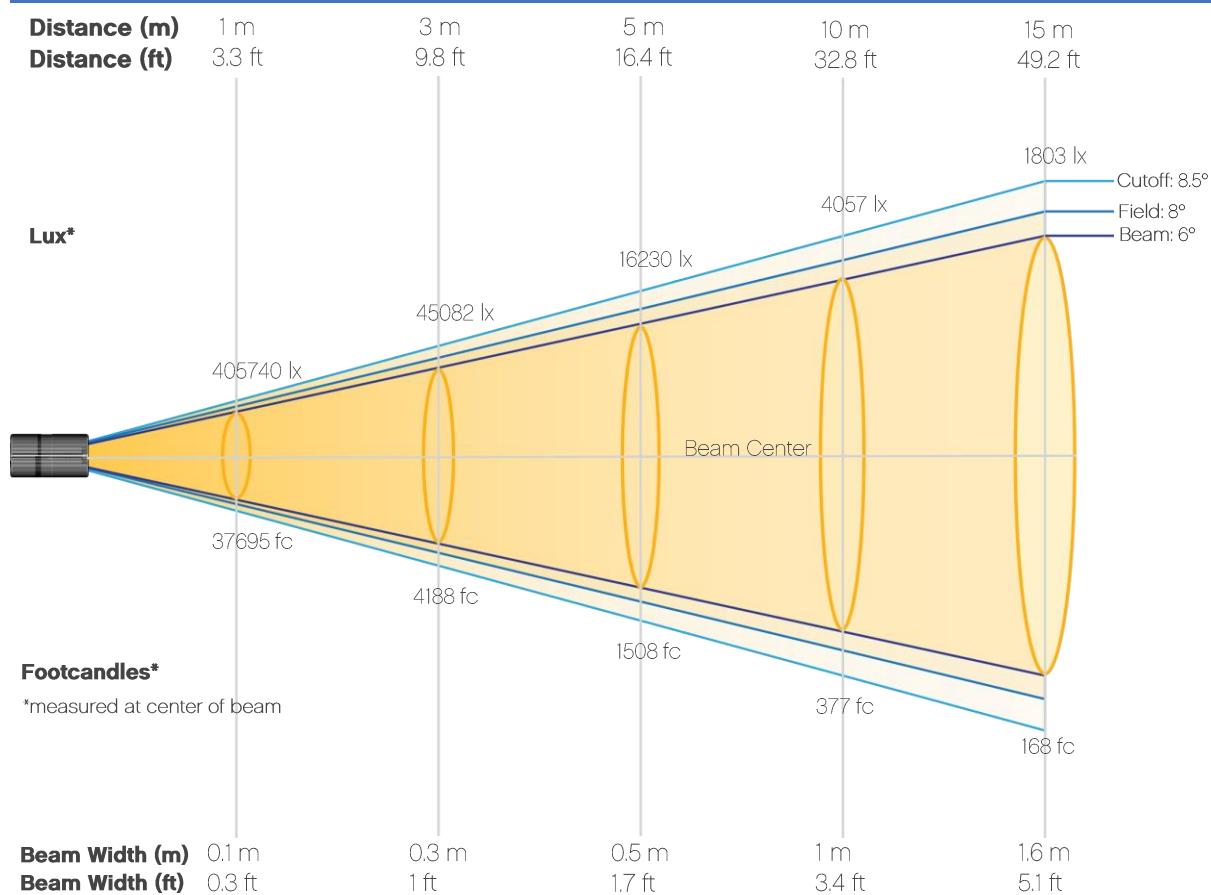
## Overall Measurement



# Photometric Report

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

## Beam Details

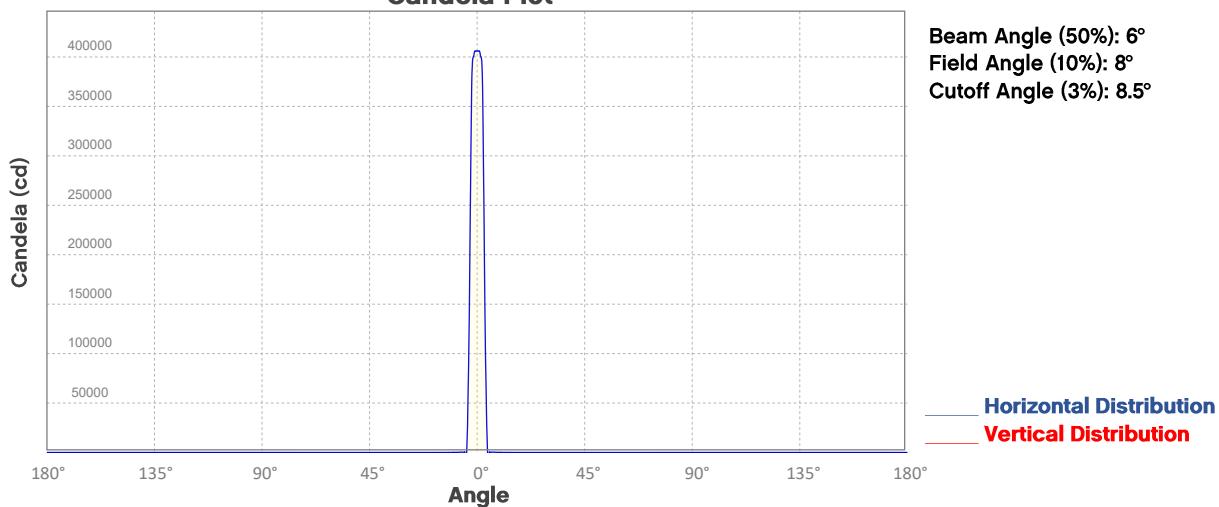


## Beam Illuminances from 1-20m (3.3-65.6ft)

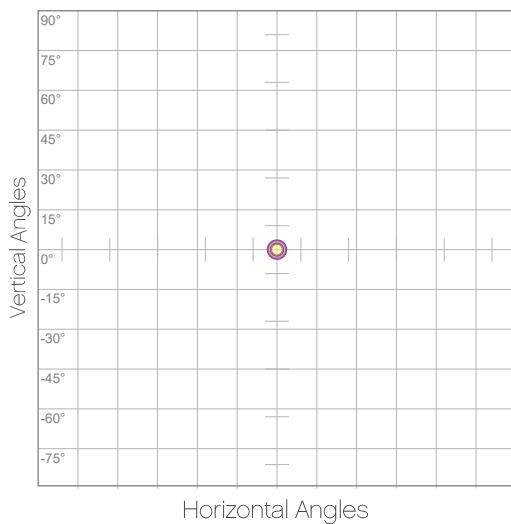
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
LUX	405740	101435	45082	25359	16230	11271	8280	6340	5009	4057
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
LUX	3353	2818	2401	2070	1803	1585	1404	1252	1124	1014
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	37695	9424	4188	2356	1508	1047	769	589	465	377
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	312	262	223	192	168	147	130	116	104	94

# Photometric Report

Maverick MK3 Profile CX: Full Spot with CTO Filter, Full Power  
Candela Plot

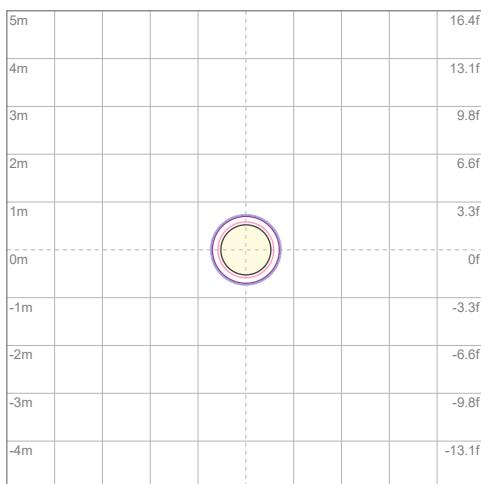


## Polar Diagrams



iso-candela Diagram

Conditions:  
Number of c-planes: 2  
Candela at center: 405740 cd



iso-illuminance Diagram

Conditions:  
Number of c-planes: 2  
Lux at center: 4057 lx

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

Mounting height: 10 meters / 33 feet

# Photometric Report

**Maverick MK3 Profile CX:** 50% Zoom, Full Power

## Report Summary

## Output

Total Lumens: 21504 lm  
Peak Intensity: 217628 cd  
Illuminance @ 5m: 8705 lux  
Fixture Efficacy: 20 lm/W



## Optical

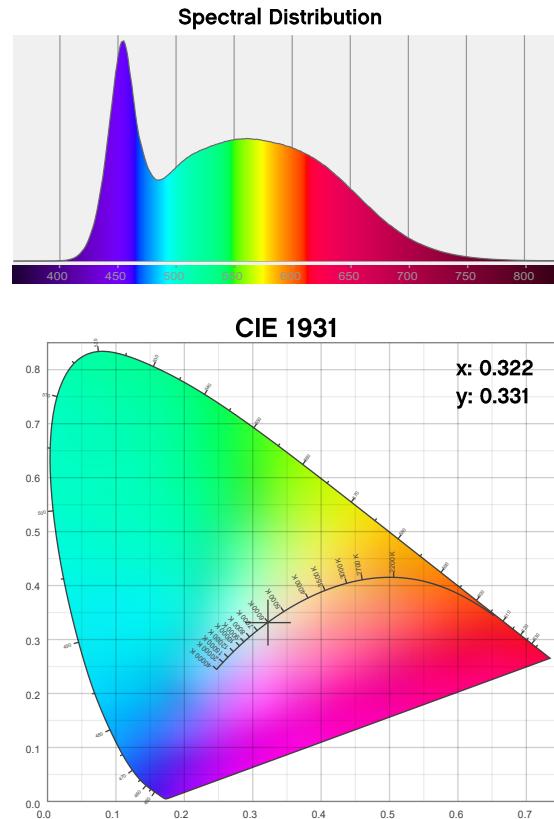
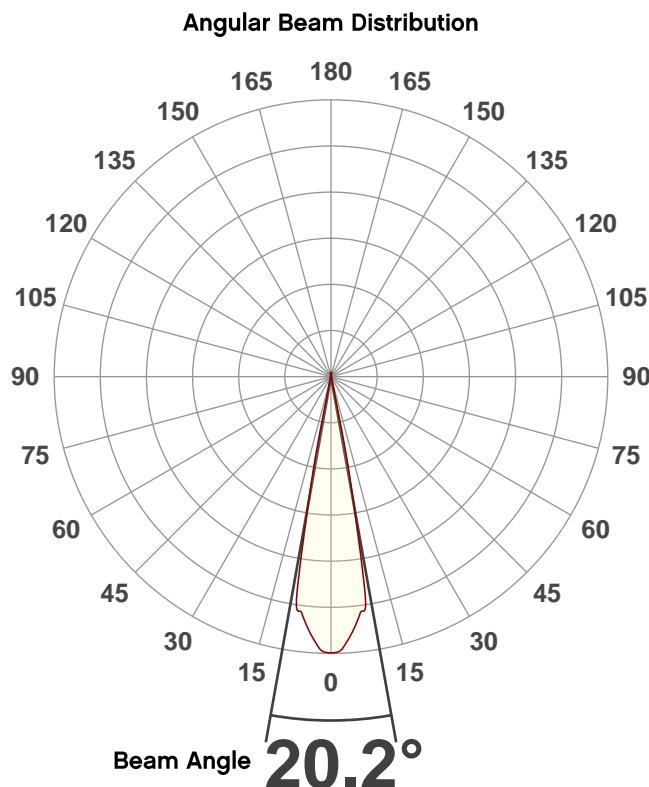
Horizontal Beam Angle (50%): 20.2°  
Vertical Beam Angle (50%): 20.2°  
Horizontal Field Angle (10%): 24.2°  
Vertical Field Angle (10%): 24.2°  
Horizontal Cutoff Angle (3%): 25°  
Vertical Cutoff Angle (3%): 25°

### 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 LabSpin Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 7/2/2019 to LM-63-2002 Standards.

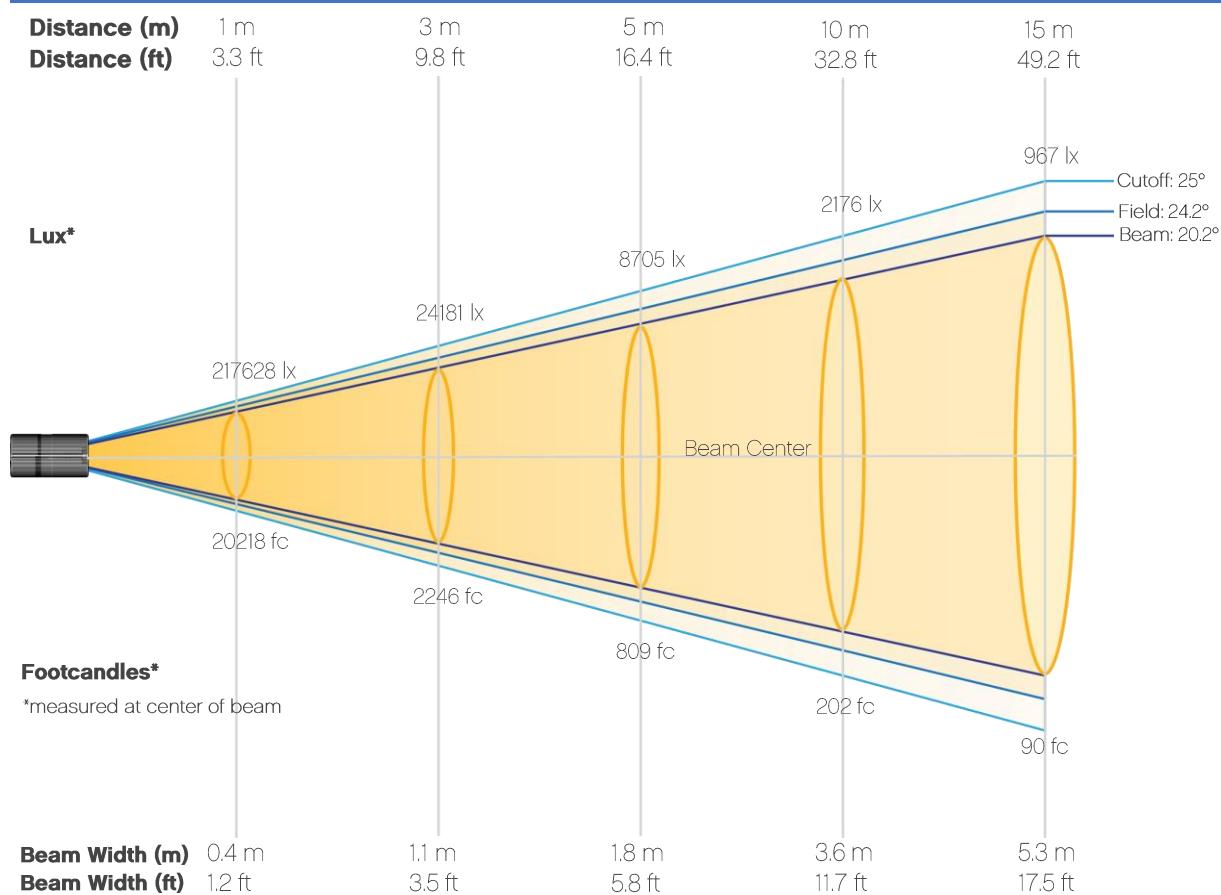
## Overall Measurement



# Photometric Report

Maverick MK3 Profile CX: 50% Zoom, Full Power

## Beam Details

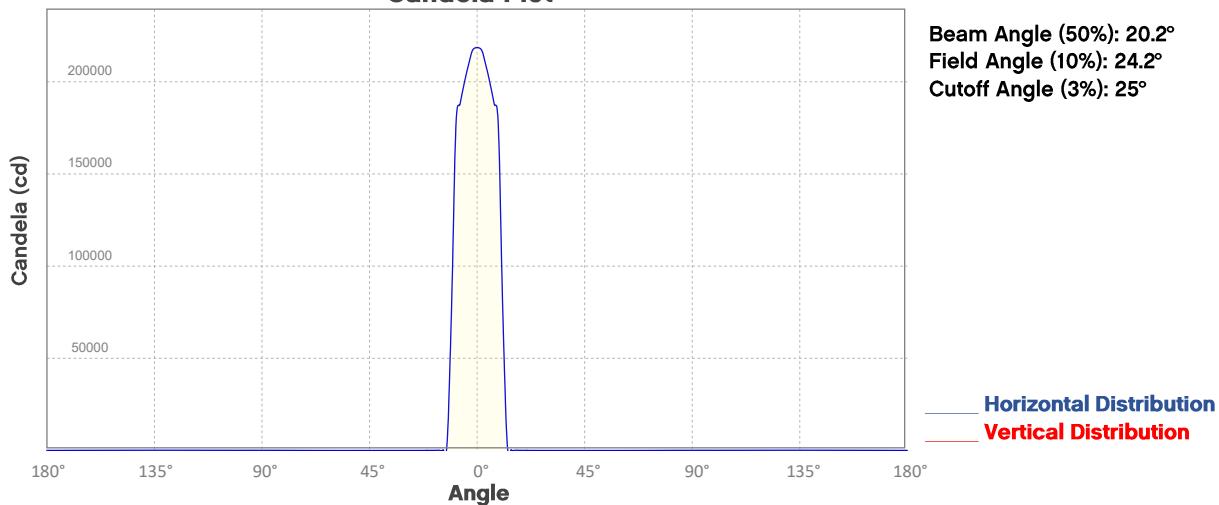


## Beam Illuminances from 1-20m (3.3-65.6ft)

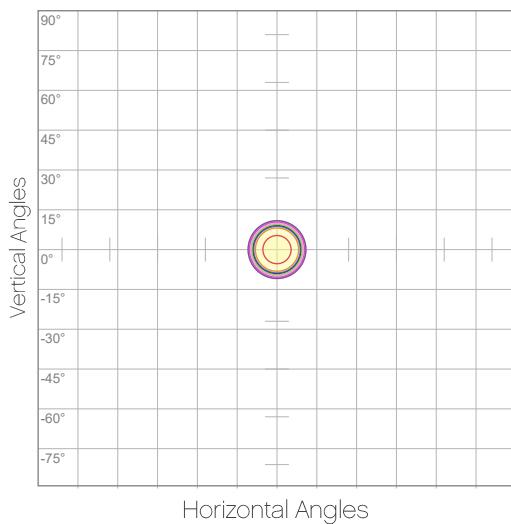
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	217628	54407	24181	13602	8705	6045	4441	3400	2687	2176
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1799	1511	1288	1110	967	850	753	672	603	544
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	20218	5055	2246	1264	809	562	413	316	250	202
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	167	140	120	103	90	79	70	62	56	51

# Photometric Report

Maverick MK3 Profile CX: 50% Zoom, Full Power  
Candela Plot



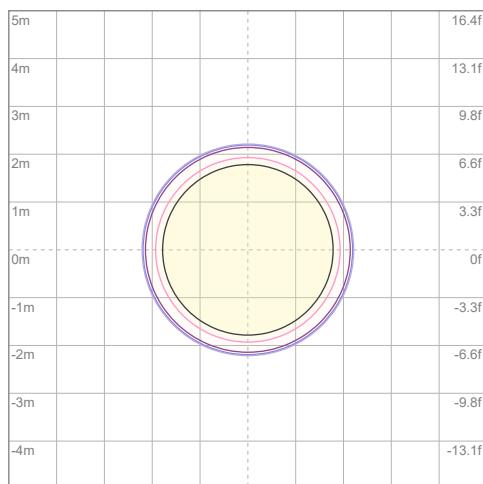
## Polar Diagrams



**iso-candela Diagram**

10%	21763 cd
20%	43526 cd
30%	65288 cd
40%	87051 cd
50%	108814 cd
60%	130577 cd
70%	152340 cd
80%	174102 cd
90%	195865 cd

Conditions:  
Number of c-planes: 2  
Candela at center: 217628 cd



**iso-illuminance Diagram**

3%	65.3 lx
5%	109 lx
10%	218 lx
30%	653 lx
50%	1088 lx

Conditions:  
Number of c-planes: 2  
Lux at center: 2176 lx

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

Mounting height: 10 meters / 33 feet

# Chromaticity Report

Maverick MK3 Profile CX: Full Flood, Full Power

## Report Summary

### Measurements

Total Lumens: 21558 lm

Peak Intensity: 35186 cd

Fixture Efficacy: 20 lm/W

Correlated Color Temperature: 5993K

$\Delta u_v$ : -0.0042

CRI: 91.2 CRI R9 Value: 56.4

CQS: 87.4

TLCI: 88

TM-30-18 Rf: 87.1

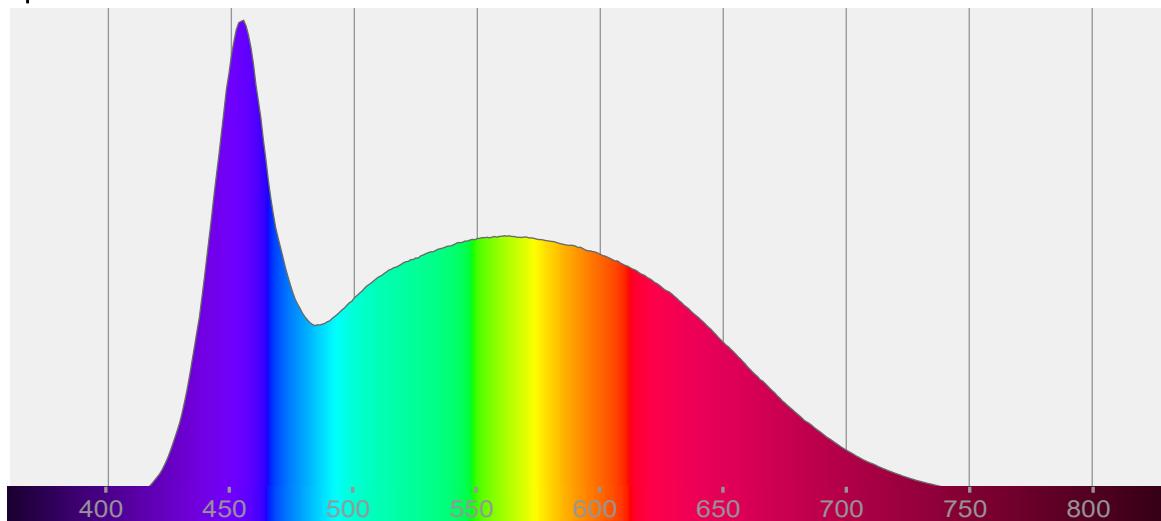
TM-30-18 Rg: 97.5

1<sup>st</sup> Dominant Wavelength: 455 nm

2<sup>nd</sup> Dominant Wavelength: 561 nm



### Spectral Distribution



#### Tested Color

5993 K

CIE 1931 Coordinates:

X: 0.322 Y: 0.330

#### Color Temperature

5993 K

#### Light Quality

CRI: 91.2

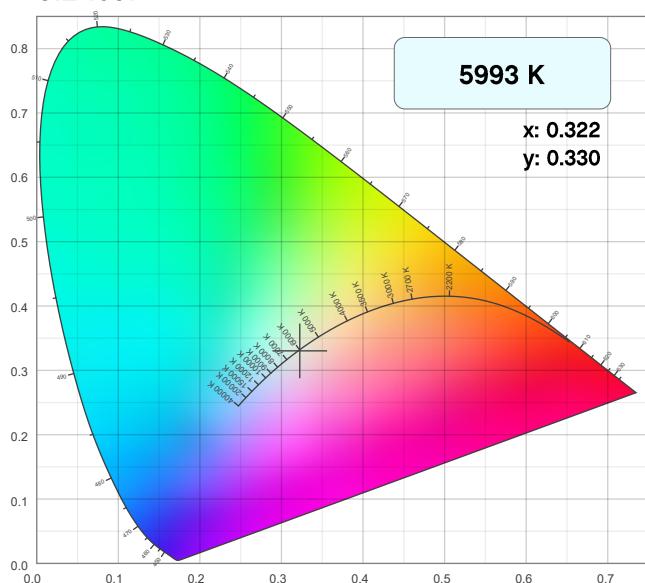
### Notes:

# Chromaticity Report

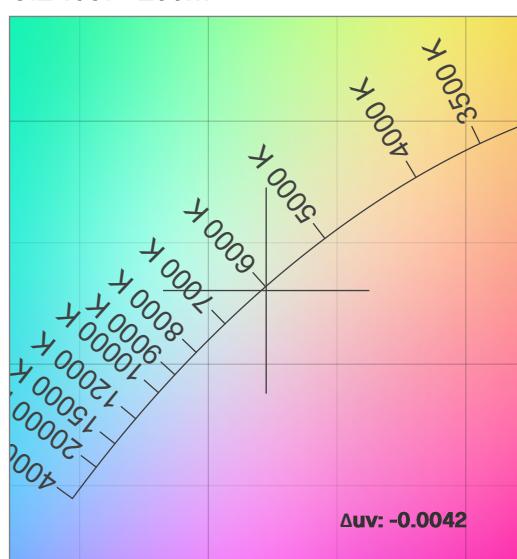
Maverick MK3 Profile CX: Full Flood, Full Power

## Chromaticity

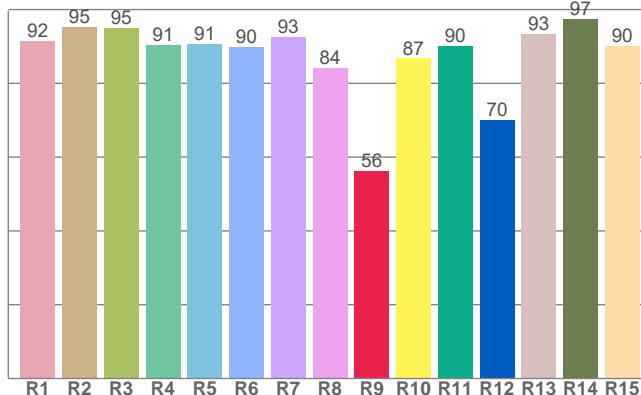
CIE 1931



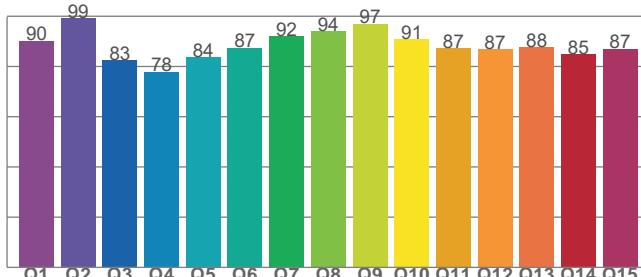
CIE 1931 - Zoom



CRI: 91.2 (R1-R8)



CQS: 87.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5993 K	0.322	0.330

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0042	0.330	0.204

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.2	56.4	87.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
88	87.1	97.5

# Chromaticity Report

Maverick MK3 Profile CX: Full Flood, Full Power

## TM-30-18 Details

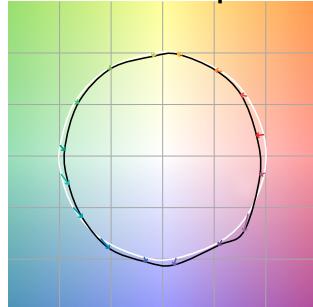
**Rf 87.1**

Fidelity Index  
(Rg)

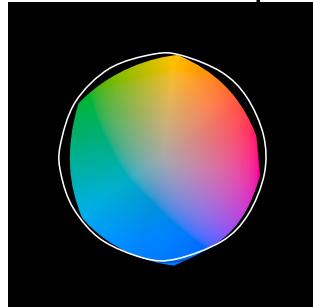
**Rg 97.5**

Gamut Index (Rg)

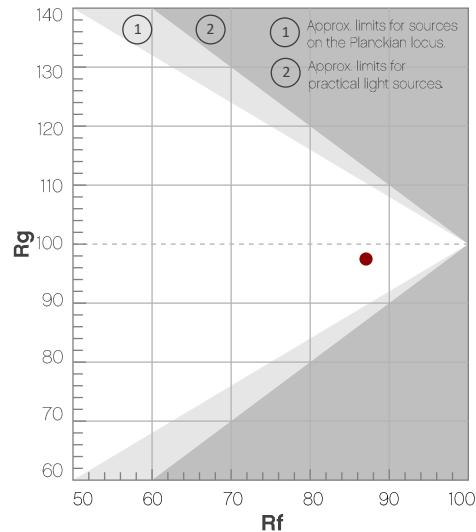
### Color Vector Graphic



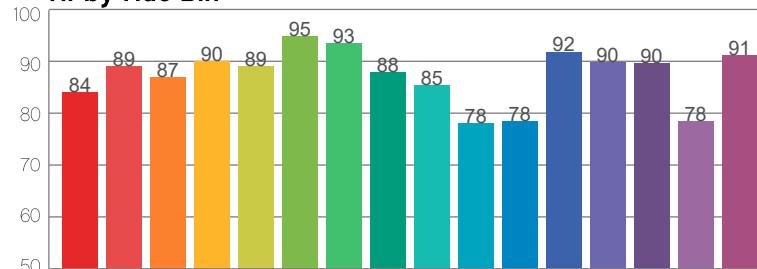
### Color Distortion Graphic



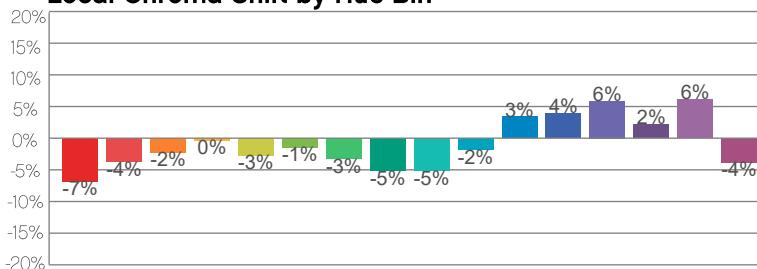
Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	84	-7%	1%
2	89	-4%	4%
3	87	-2%	6%
4	90	0%	4%
5	89	-3%	1%
6	95	-1%	-1%
7	93	-3%	0%
8	88	-5%	4%
9	85	-5%	11%
10	78	-2%	12%
11	78	3%	12%
12	92	4%	2%
13	90	6%	-3%
14	90	2%	-5%
15	78	6%	-16%
16	91	-4%	-2%



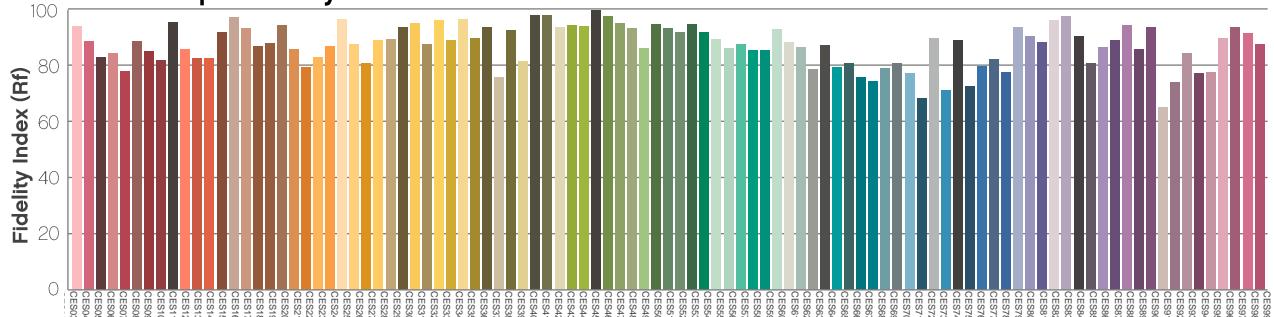
### Rf by Hue Bin



### Local Chroma Shift by Hue Bin



### Color Sample Fidelity



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# Chromaticity Report

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

## Report Summary

### Measurements

Total Lumens: 27402 lm

Peak Intensity: 46489 cd

Fixture Efficacy: 25 lm/W

Correlated Color Temperature: 7212K

$\Delta u_v$ : 0.0002

CRI: 74.1      CRI R9 Value: -22.3

CQS: 71.2

TLCI: 52

TM-30-18 Rf: 71.6

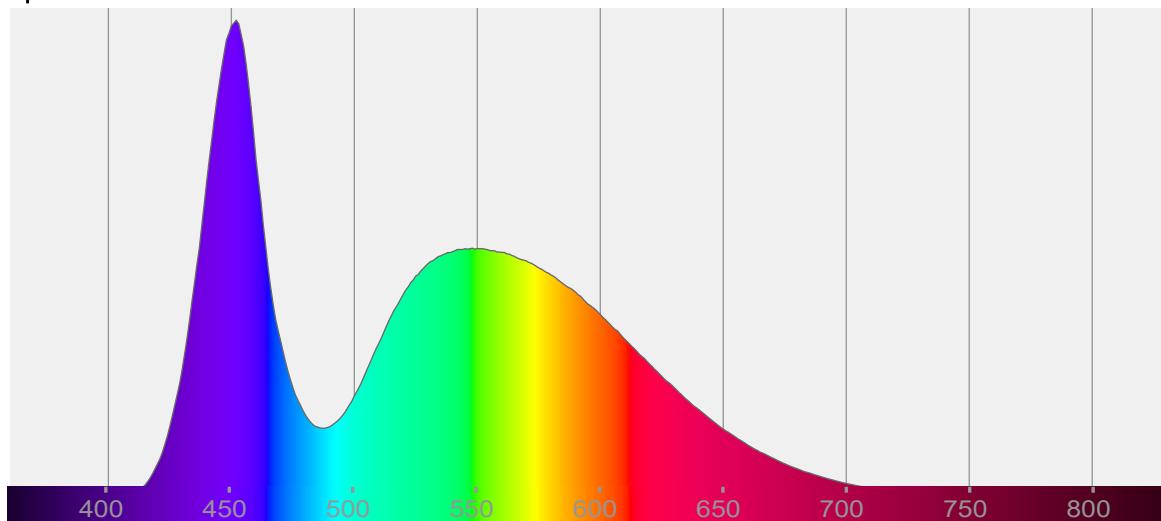
TM-30-18 Rg: 92.6

1<sup>st</sup> Dominant Wavelength: 452 nm

2<sup>nd</sup> 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

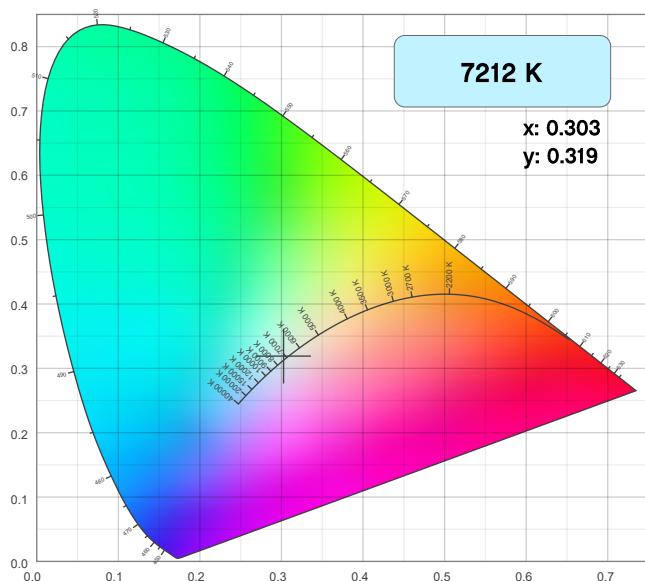
### Notes:

# Chromaticity Report

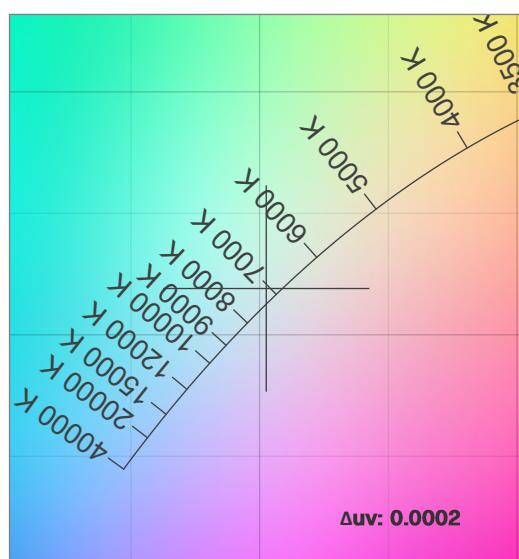
Maverick MK3 Profile CX: Full Flood with CTO Filter, Full Power

## Chromaticity

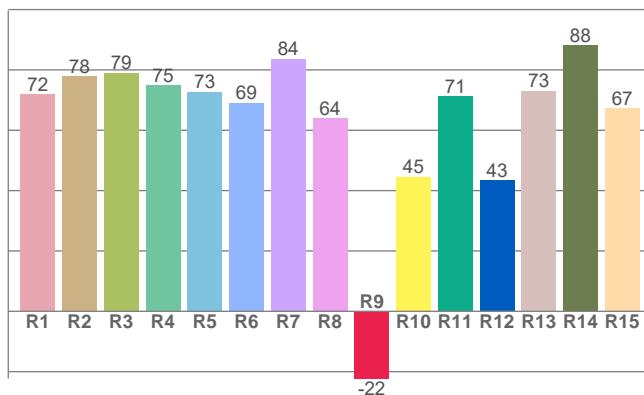
CIE 1931



CIE 1931 - Zoom



CRI: 74.1 (R1-R8)



Color Parameters

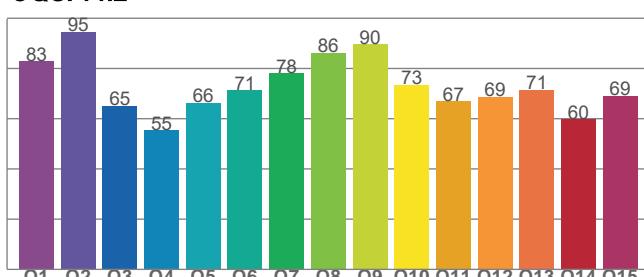
Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
7212 K	x: 0.303	y: 0.319

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

Color Rendering Index	Red Component	Color Quality Scale
74.1	CRI - R9: -223	CQS: 71.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI: 52	TM-30-18 - Rf: 71.6	TM-30-18 Rg: 926

CQS: 71.2



# Chromaticity Report

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

## TM-30-18 Details

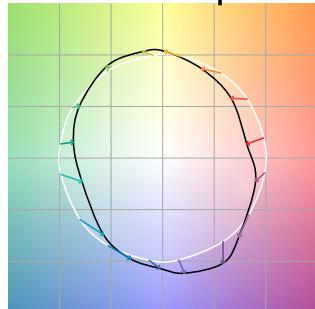
**Rf 71.6**

Fidelity Index  
(Rg)

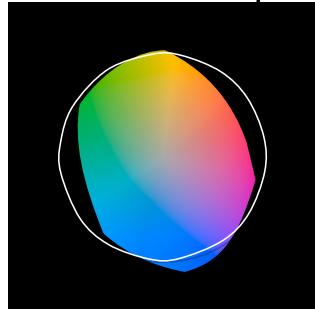
**Rg 92.6**

Gamut Index (Rg)

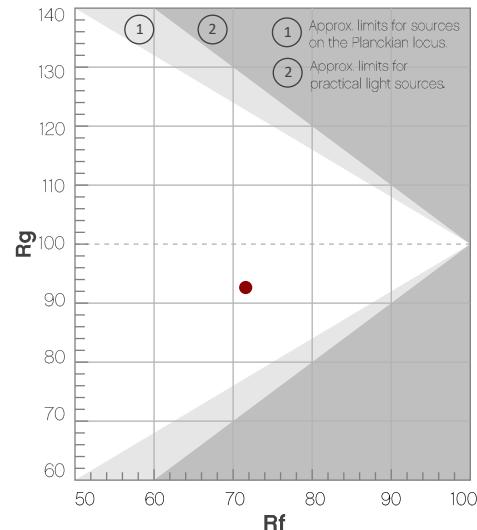
### Color Vector Graphic



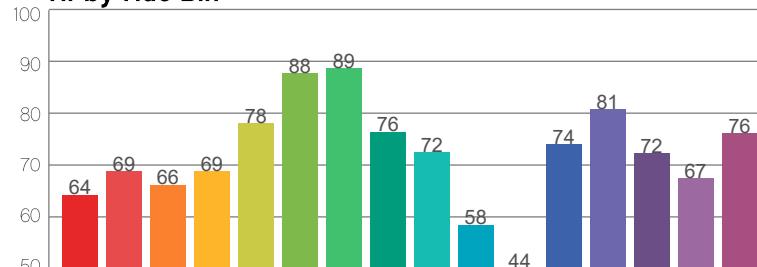
### Color Distortion Graphic



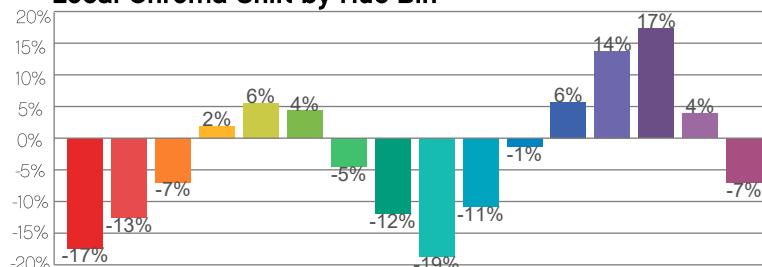
Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	64	-17%	-3%
2	69	-13%	9%
3	66	-7%	18%
4	69	2%	17%
5	78	6%	9%
6	88	4%	-3%
7	89	-5%	-5%
8	76	-12%	-4%
9	72	-19%	11%
10	58	-11%	25%
11	44	-1%	25%
12	74	6%	12%
13	81	14%	3%
14	72	17%	-12%
15	67	4%	-23%
16	76	-7%	-9%



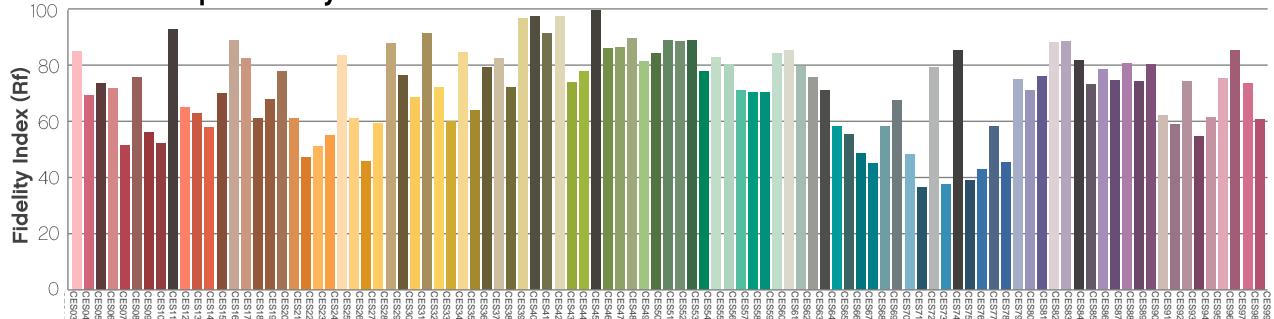
### Rf by Hue Bin



### Local Chroma Shift by Hue Bin



### Color Sample Fidelity



# Chromaticity Report

Maverick MK3 Profile CX: Full Spot, Full Power

## Report Summary

### Measurements

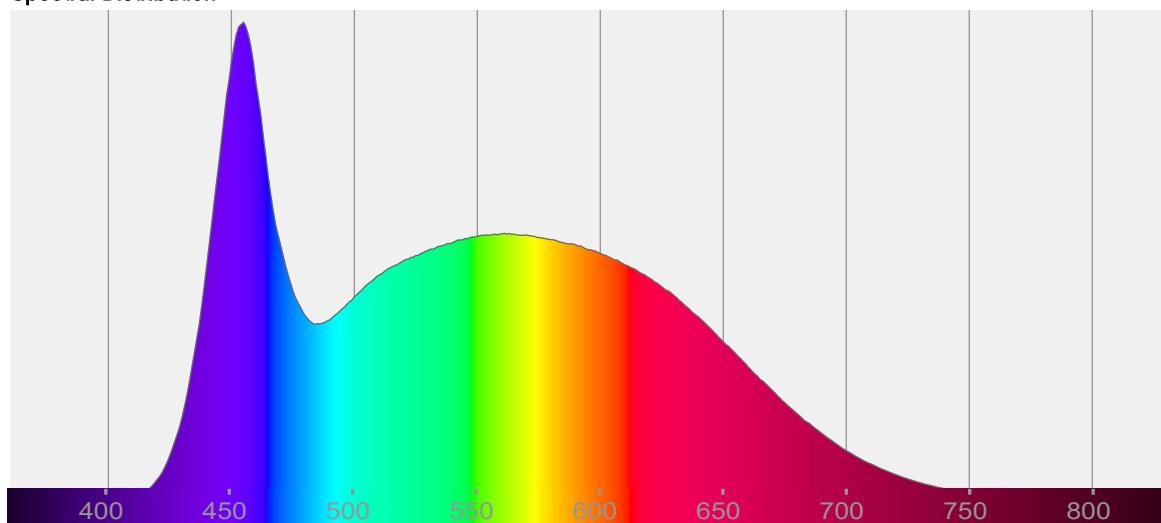
Total Lumens: 10147 lm  
Peak Intensity: 1076718 cd  
Fixture Efficacy: 9 lm/W

Correlated Color Temperature: 5948K  
 $\Delta u_v$ : -0.0034

CRI: 90.9      CRI R9 Value: 54.8  
CQS: 87.4  
TLCI: 88  
TM-30-18 Rf: 87.0  
TM-30-18 Rg: 97.1  
1<sup>st</sup> Dominant Wavelength: 455 nm  
2<sup>nd</sup> Dominant Wavelength: 561 nm



### Spectral Distribution



#### Tested Color

**5948 K**

CIE 1931 Coordinates:  
X: 0.323   Y: 0.332

#### Color Temperature

**5948 K**

#### Light Quality

**CRI: 90.9**

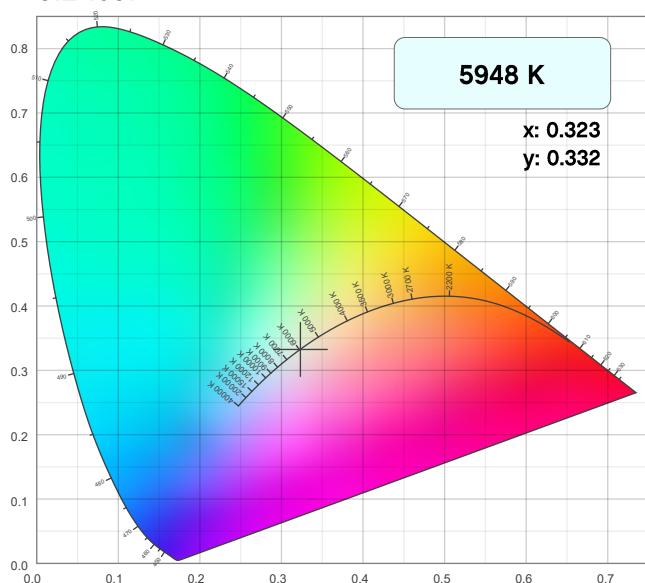
### Notes:

# Chromaticity Report

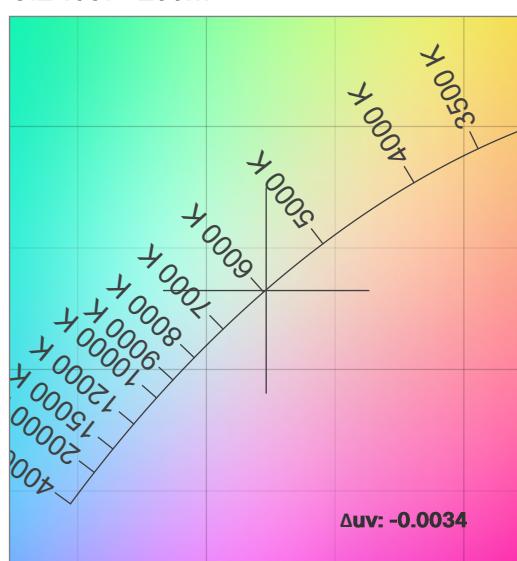
Maverick MK3 Profile CX: Full Spot, Full Power

## Chromaticity

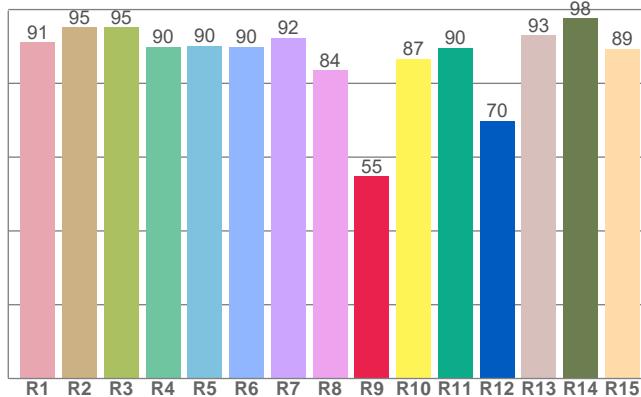
CIE 1931



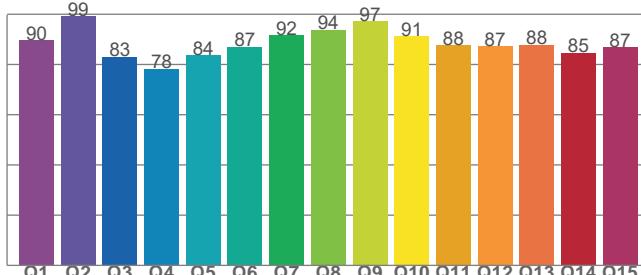
CIE 1931 - Zoom



CRI: 90.9 (R1-R8)



CQS: 87.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5948 K	0.323	0.332

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	u	u
-0.0034	0.332	0.204

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
90.9	54.8	87.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
88	87.0	97.1

# Chromaticity Report

Maverick MK3 Profile CX: Full Spot, Full Power

## TM-30-18 Details

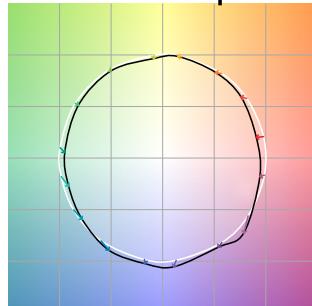
**Rf 87.0**

Fidelity Index  
(Rg)

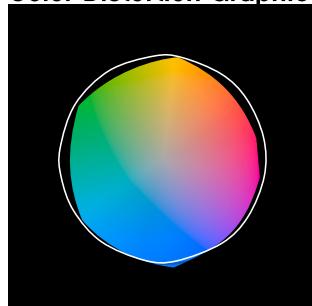
**Rg 97.1**

Gamut Index (Rg)

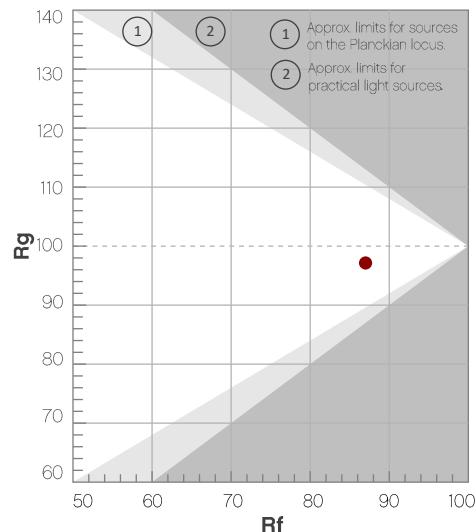
### Color Vector Graphic



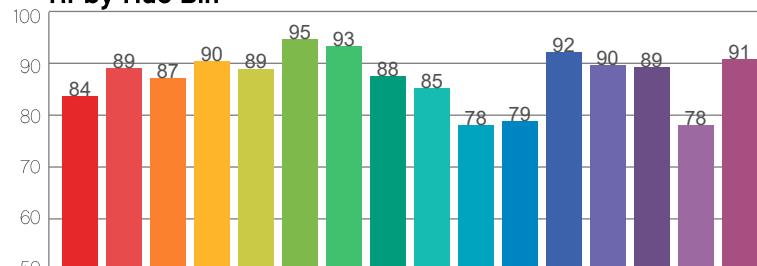
### Color Distortion Graphic



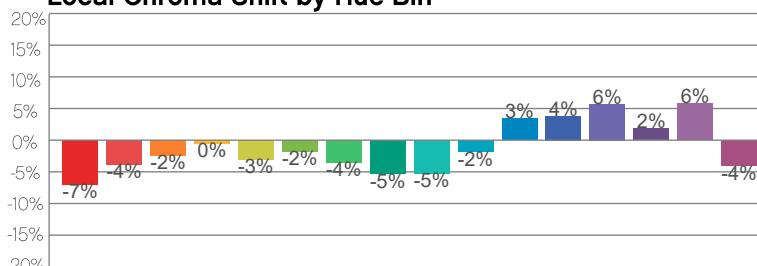
Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	84	-7%	1%
2	89	-4%	4%
3	87	-2%	5%
4	90	0%	4%
5	89	-3%	1%
6	95	-2%	-1%
7	93	-4%	0%
8	88	-5%	4%
9	85	-5%	11%
10	78	-2%	12%
11	79	3%	11%
12	92	4%	2%
13	90	6%	-3%
14	89	2%	-5%
15	78	6%	-16%
16	91	-4%	-2%



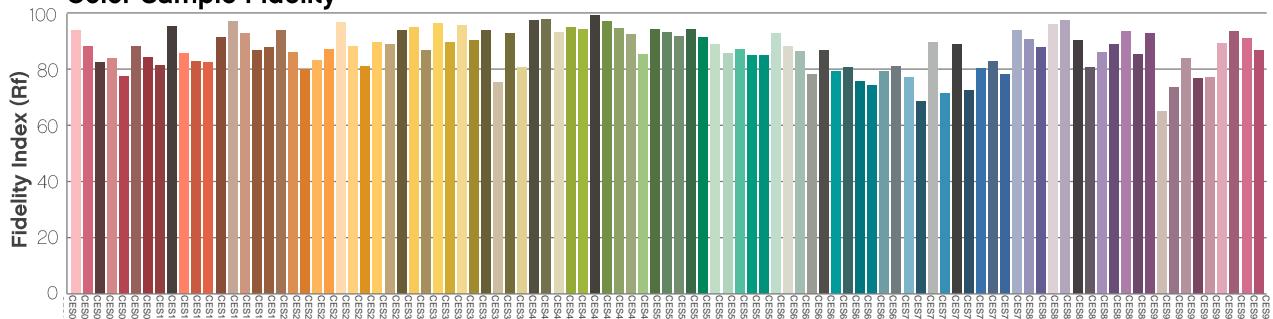
### Rf by Hue Bin



### Local Chroma Shift by Hue Bin



### Color Sample Fidelity



# Chromaticity Report

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

## Report Summary

### Measurements

Total Lumens: 3994 lm

Peak Intensity: 405740 cd

Fixture Efficacy: 4 lm/W

Correlated Color Temperature: 2612K

$\Delta u_v$ : -0.0029

CRI: 86.5      CRI R9 Value: 39.2

CQS: 83.3

TLCI: 79

TM-30-18 Rf: 84.8

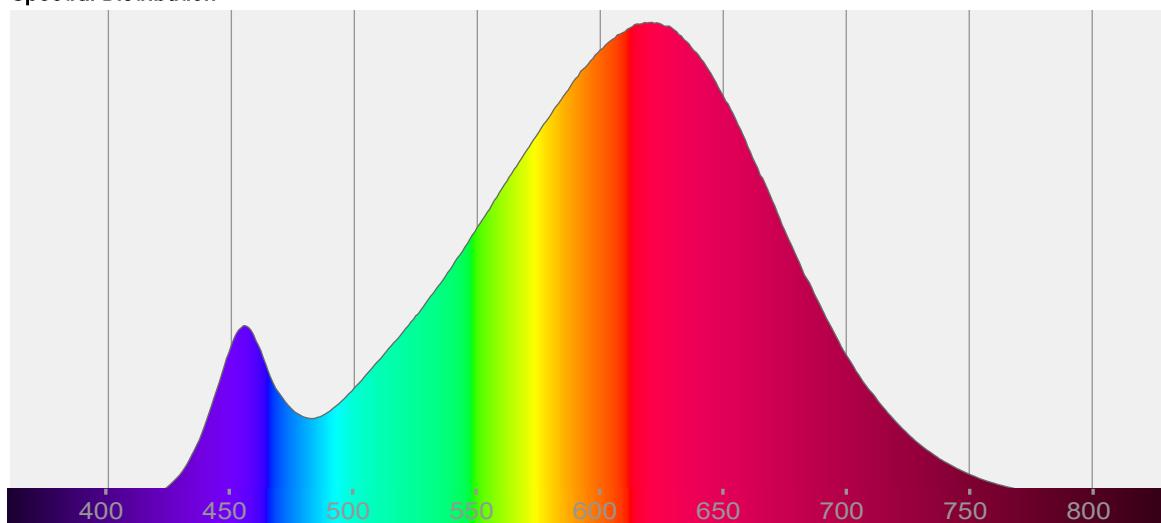
TM-30-18 Rg: 99.1

1<sup>st</sup> Dominant Wavelength: 621 nm

2<sup>nd</sup> Dominant Wavelength: 455 nm



### Spectral Distribution



#### Tested Color

**2612 K**

CIE 1931 Coordinates:

X: 0.462   Y: 0.403

#### Color Temperature

**2612 K**

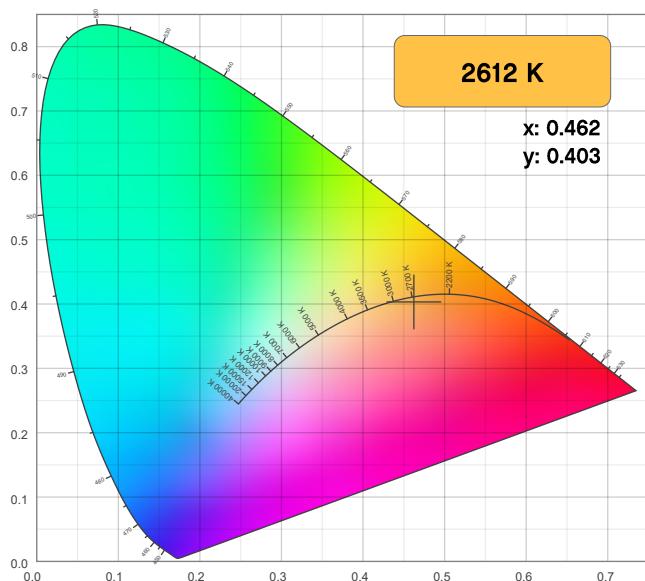
#### Notes:

# Chromaticity Report

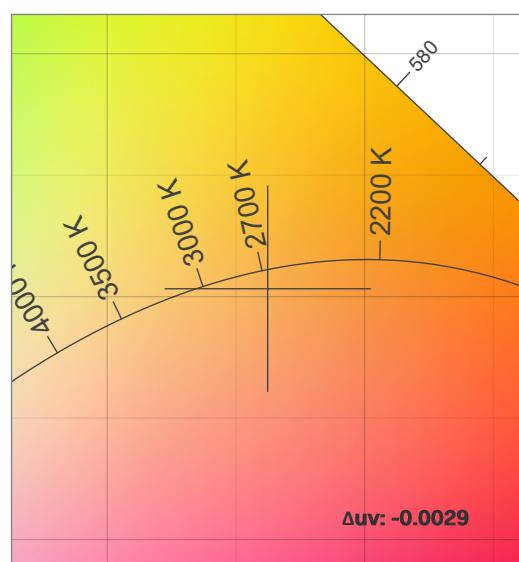
Maverick MK3 Profile CX: Full Spot with CTO Filter, Full Power

## Chromaticity

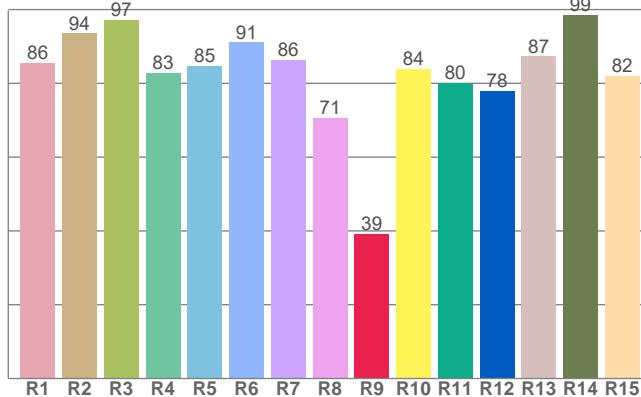
CIE 1931



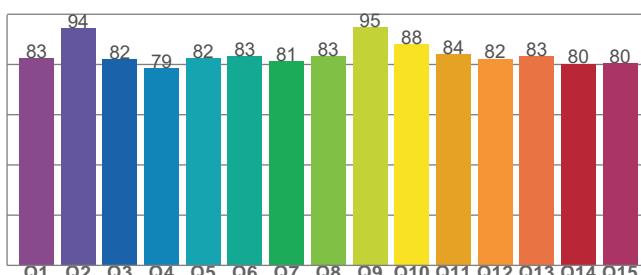
CIE 1931 - Zoom



CRI: 86.5 (R1-R8)



CQS: 83.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2612 K	0.462	0.403

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0029	0.403	0.267

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
86.5	392	83.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
79	84.8	99.1

# Chromaticity Report

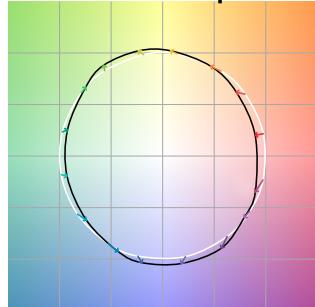
Maverick MK3 Profile CX: Full Spot with CTO Filter, Full Power

## TM-30-18 Details

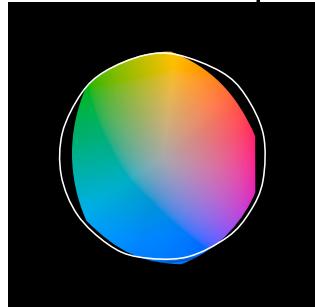
**Rf 84.8**  
Fidelity Index  
(Rg)

**Rg 99.1**  
Gamut Index (Rg)

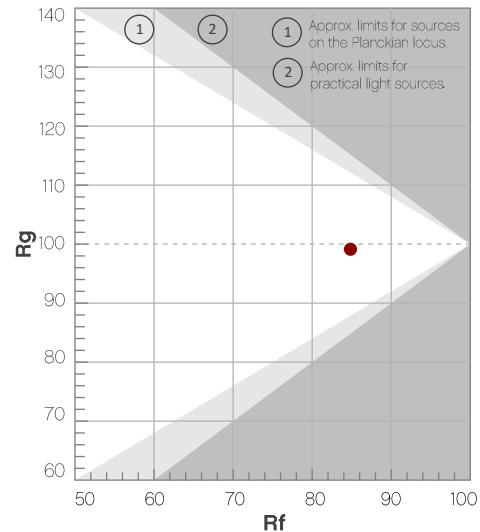
Color Vector Graphic



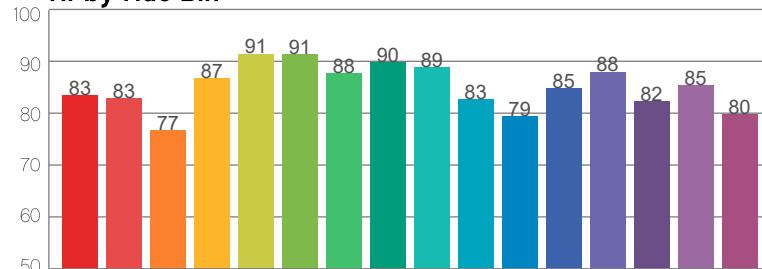
Color Distortion Graphic



Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	83	-8%	0%
2	83	-6%	6%
3	77	-2%	11%
4	87	2%	7%
5	91	5%	4%
6	91	5%	-2%
7	88	-1%	-7%
8	90	-4%	-3%
9	89	-5%	2%
10	83	-4%	9%
11	79	1%	12%
12	85	5%	5%
13	88	6%	-5%
14	82	6%	-11%
15	85	-1%	-8%
16	80	-5%	-13%



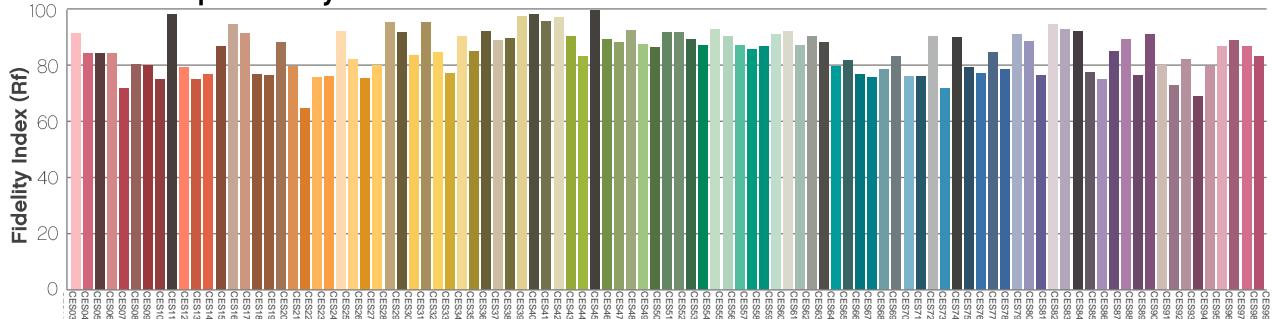
Rf by Hue Bin



Local Chroma Shift by Hue Bin



Color Sample Fidelity



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# Chromaticity Report

Maverick MK3 Profile CX: 50% Zoom, Full Power

## Report Summary

### Measurements

Total Lumens: 21504 lm

Peak Intensity: 217628 cd

Fixture Efficacy: 20 lm/W

Correlated Color Temperature: 5999K

$\Delta u_v$ : -0.0036

CRI: 90.8 CRI R9 Value: 54.2

CQS: 87.2

TLCI: 88

TM-30-18 Rf: 86.9

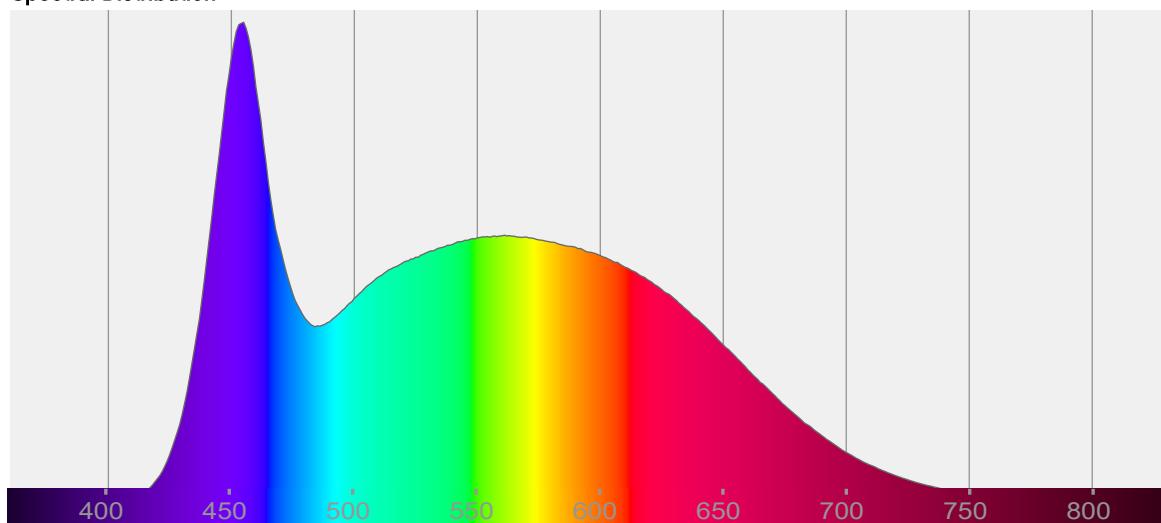
TM-30-18 Rg: 97.3

1<sup>st</sup> Dominant Wavelength: 455 nm

2<sup>nd</sup> Dominant Wavelength: 561 nm



### Spectral Distribution



#### Tested Color

5999 K

CIE 1931 Coordinates:

X: 0.322 Y: 0.331

#### Color Temperature

5999 K

#### Light Quality

CRI: 90.8

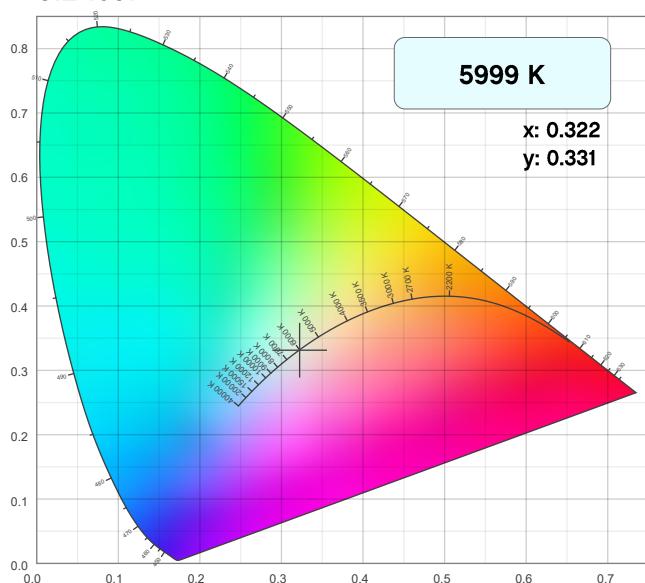
### Notes:

# Chromaticity Report

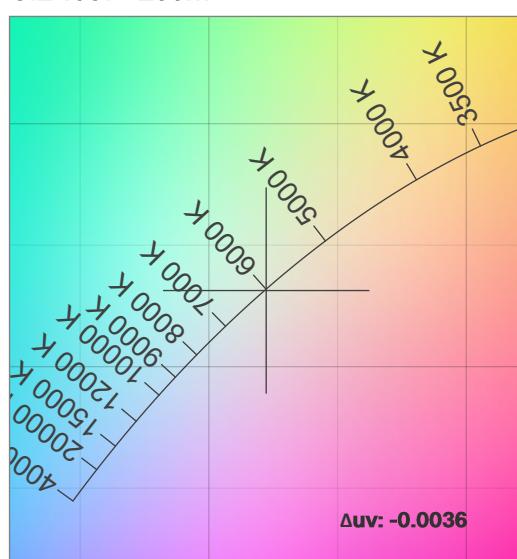
Maverick MK3 Profile CX: 50% Zoom, Full Power

## Chromaticity

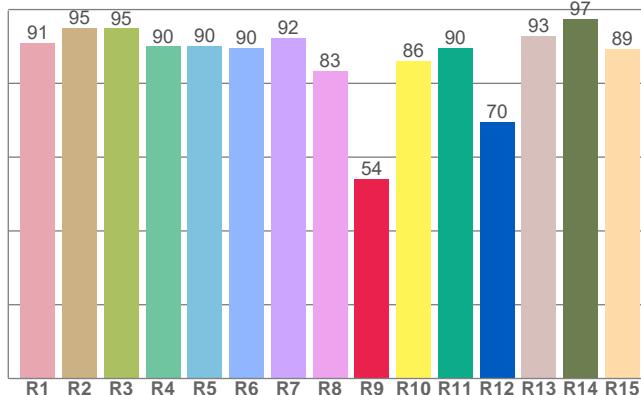
CIE 1931



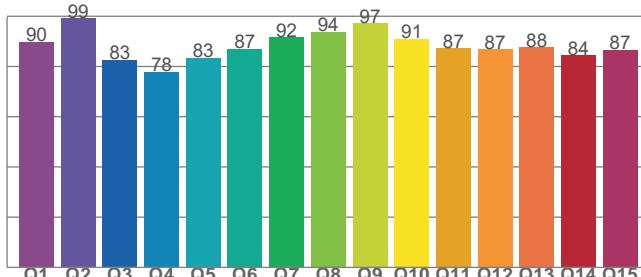
CIE 1931 - Zoom



CRI: 90.8 (R1-R8)



CQS: 87.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5999 K	0.322	0.331

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0036	0.331	0.204

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
90.8	54.2	87.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM-30-18 - Rf	TM-30-18 Rg
88	869	97.3

# Chromaticity Report

Maverick MK3 Profile CX: 50% Zoom, Full Power

## TM-30-18 Details

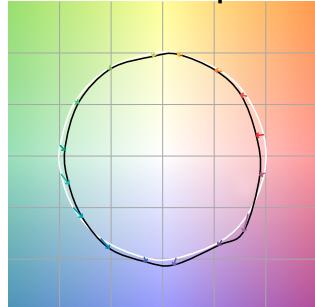
**Rf 86.9**

Fidelity Index  
(Rg)

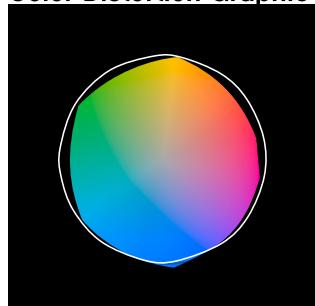
**Rg 97.3**

Gamut Index (Rg)

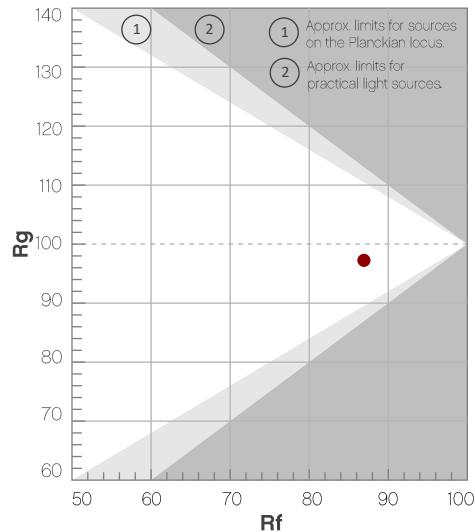
### Color Vector Graphic



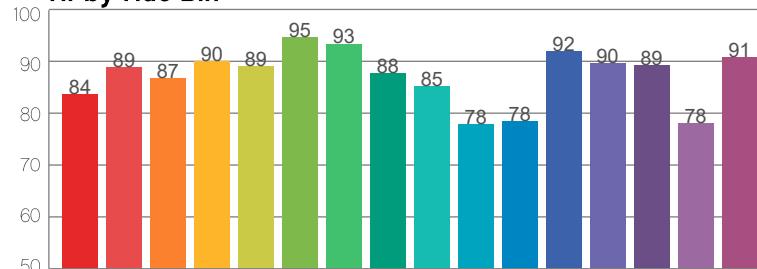
### Color Distortion Graphic



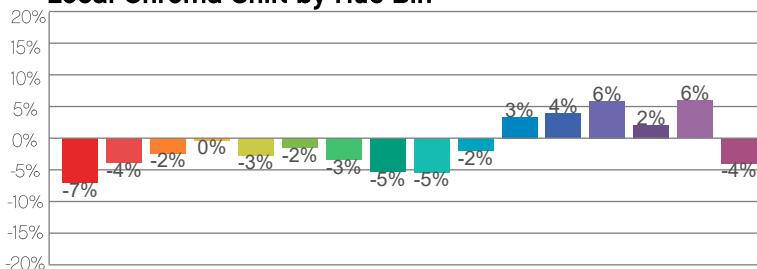
Hue Bin	R <sub>f</sub>	Chroma Shift	Hue Shift
1	84	-7%	1%
2	89	-4%	4%
3	87	-2%	6%
4	90	0%	4%
5	89	-3%	1%
6	95	-2%	-1%
7	93	-3%	0%
8	88	-5%	3%
9	85	-5%	11%
10	78	-2%	12%
11	78	3%	12%
12	92	4%	2%
13	90	6%	-3%
14	89	2%	-5%
15	78	6%	-16%
16	91	-4%	-2%



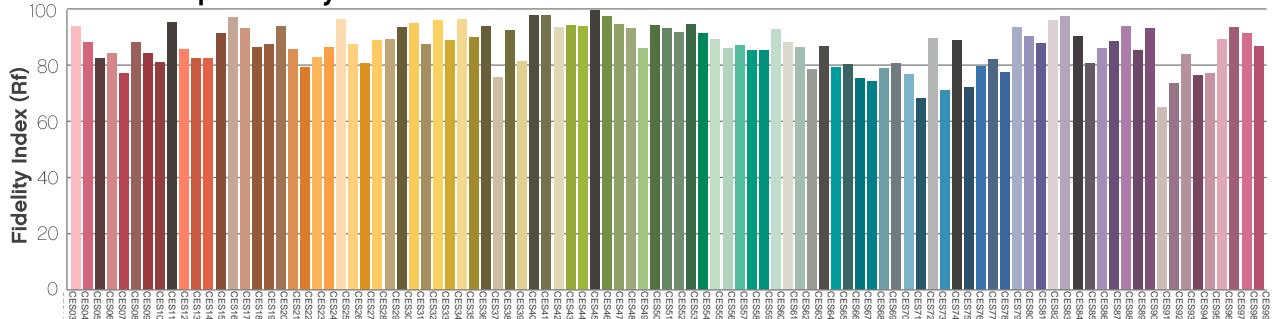
### Rf by Hue Bin



### Local Chroma Shift by Hue Bin



### Color Sample Fidelity



Chauvet Professional – [www.chauvetprofessional.com](http://www.chauvetprofessional.com)

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

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