

PHOTOMETRICS REPORT

# MAVERICK STORM 4 PROFILE



**CHAUVET**  
PROFESSIONAL

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## Testing Process

### Total Illuminance Measurements

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

### Testing Lab Equipment and Process

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

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

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

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

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

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

**MAVERICK**  
**STORM**  
**4 PROFILE**

# Photometrics & Chromaticity Reports

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 54971 lm  
Fixture Peak: 100484 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 4019 lux  
Color Temperature: 6918 K  
CRI: 71.5      CRI R9 Value: -30.9  
CQS: 71.4  
TLCI: 51  
TM-30 Rf: 72.9  
TM-30 Rg: 94.8  
Beam Angle (50%): 48.7°  
Field Angle (10%): 54.1°  
Cutoff Angle (3%): 58.3°

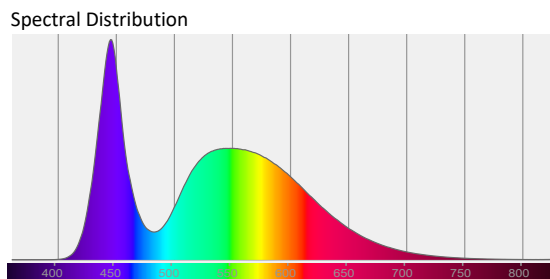
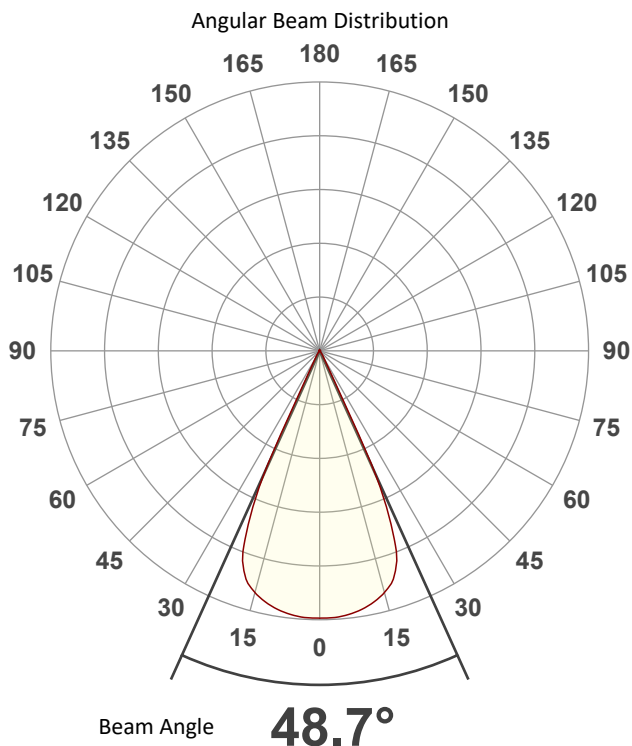
### Conditions

AC Supply: 115 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a



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 10/6/2022 to LM-63-2002 Standards.

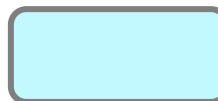
## Overall Measurement



Tested Color (CIE 1931):

X: 0.306

Y: 0.325



Light Quality

CRI: 71.5

Color Temperature

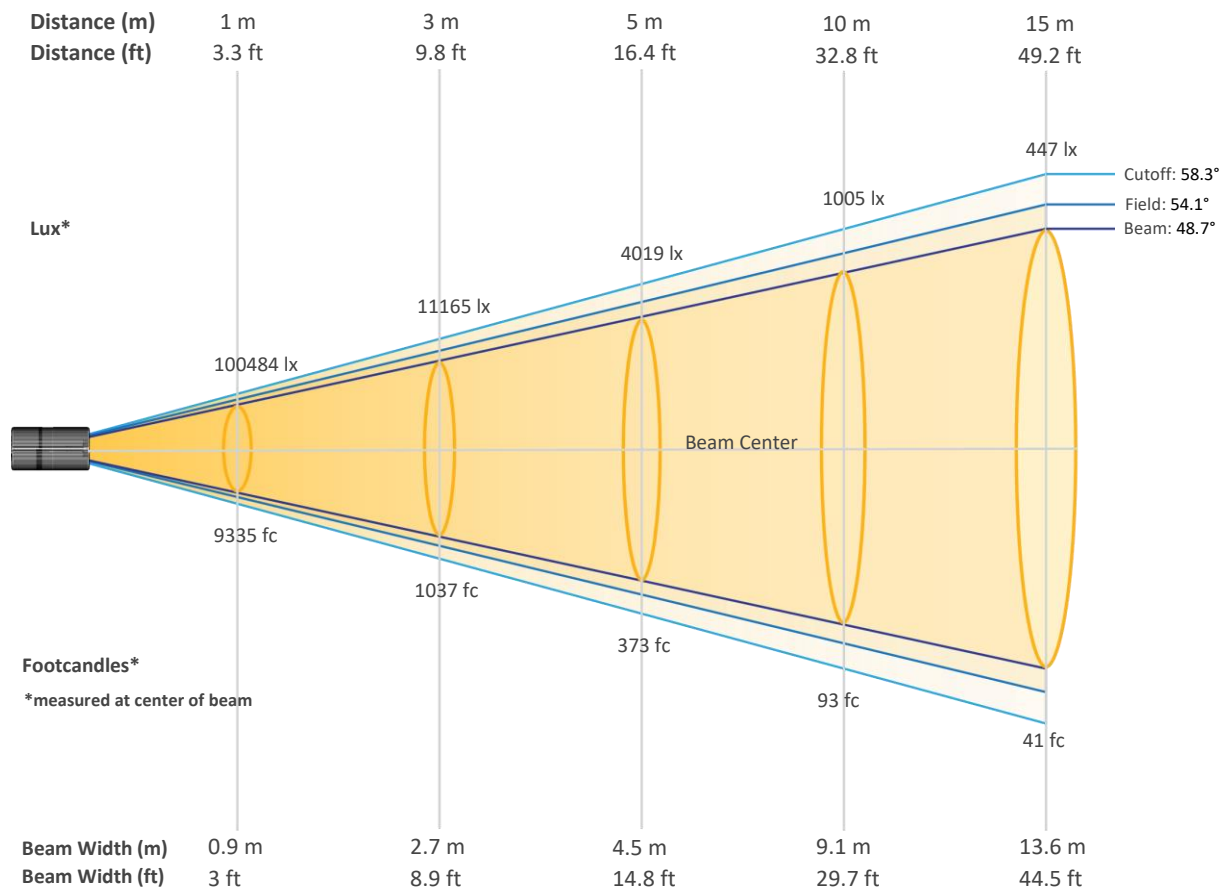
6918 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans at Full

## Beam Details

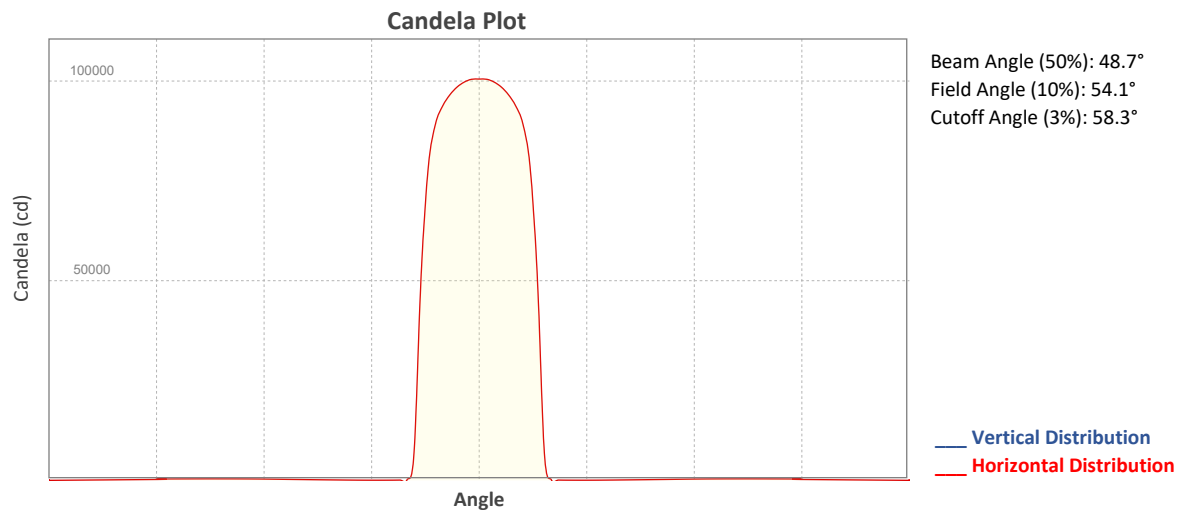


### Beam Intensities from 1-20m (3.3-65.6ft)

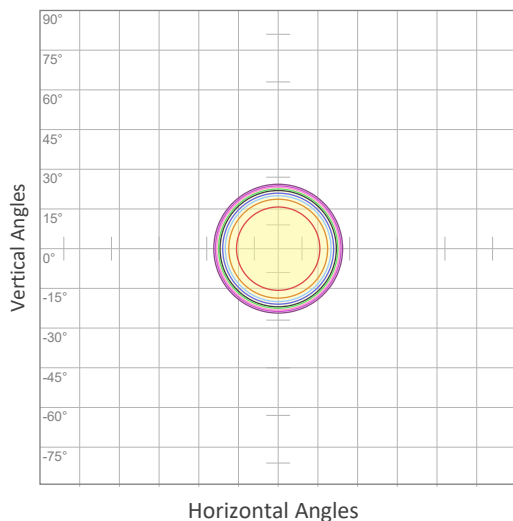
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	100484	25121	11165	6280	4019	2791	2051	1570	1241	1005
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	830	698	595	513	447	393	348	310	278	251
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	9335	2334	1037	583	373	259	191	146	115	93
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	77	65	55	48	41	36	32	29	26	23

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans at Full



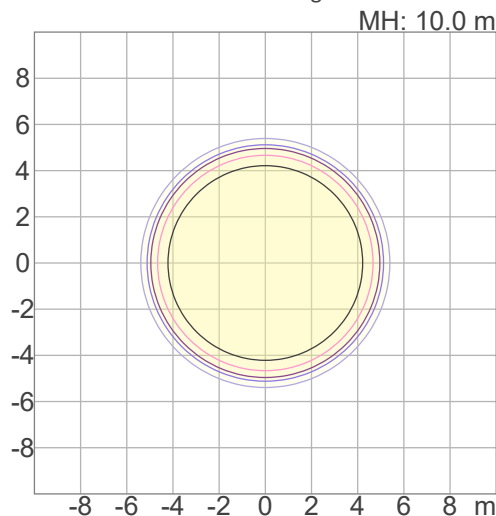
## ISO Diagrams



ISO Candela Diagram

10%	10048 cd
20%	20097 cd
30%	30145 cd
40%	40194 cd
50%	50242 cd
60%	60290 cd
70%	70339 cd
80%	80387 cd
90%	90436 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 100484 cd



ISO Lux Diagram

3%	30.1 lx
5%	50.2 lx
10%	100 lx
30%	301 lx
50%	502 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 1005 lx

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

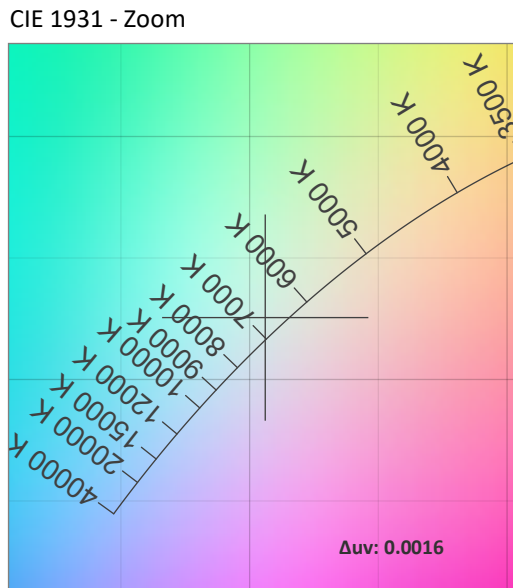
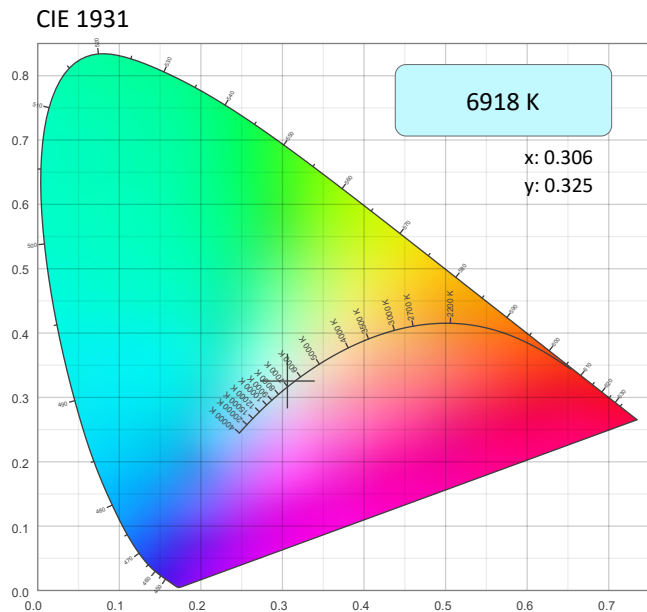
Mounting height: 10 meters / 33 feet



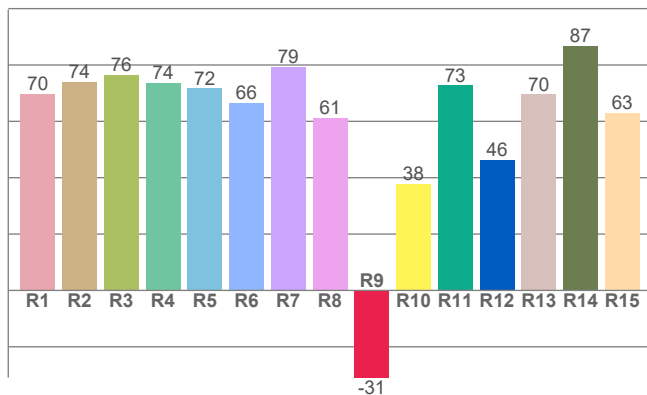
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans at Full

## Chromaticity



CRI: 71.5 (R1-R8)

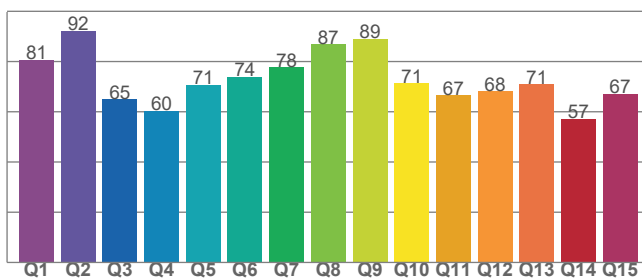


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6918 K	0.306	0.325

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0016	0.325	0.195

CQS: 71.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.5	-30.9	71.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
51	72.9	94.8



# Photometric & Chromaticity Report

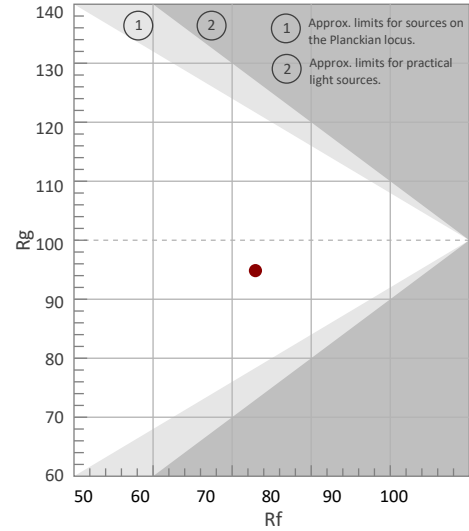
Maverick Storm 4 Profile: Full Flood - Full Power - Fans at Full

## TM-30 Details

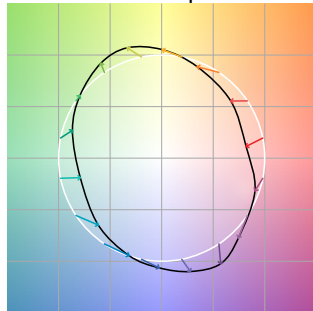
**Rf 72.9**  
Fidelity Index (Rg)

**Rg 94.8**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	68	-17%	-5%
2	71	-13%	9%
3	66	-7%	21%
4	68	3%	20%
5	74	11%	12%
6	84	9%	-2%
7	91	0%	-7%
8	77	-10%	-10%
9	78	-19%	3%
10	65	-13%	20%
11	53	-4%	26%
12	72	5%	18%
13	80	13%	6%
14	77	17%	-9%
15	70	5%	-23%
16	76	-5%	-13%



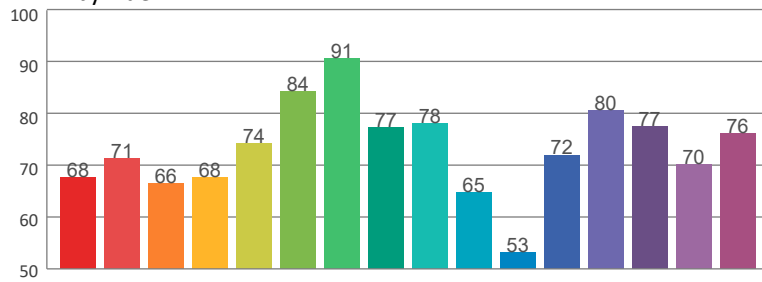
Color Vector Graphic



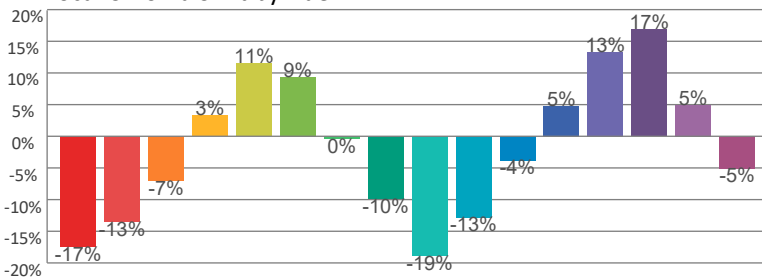
Color Distortion Graphic



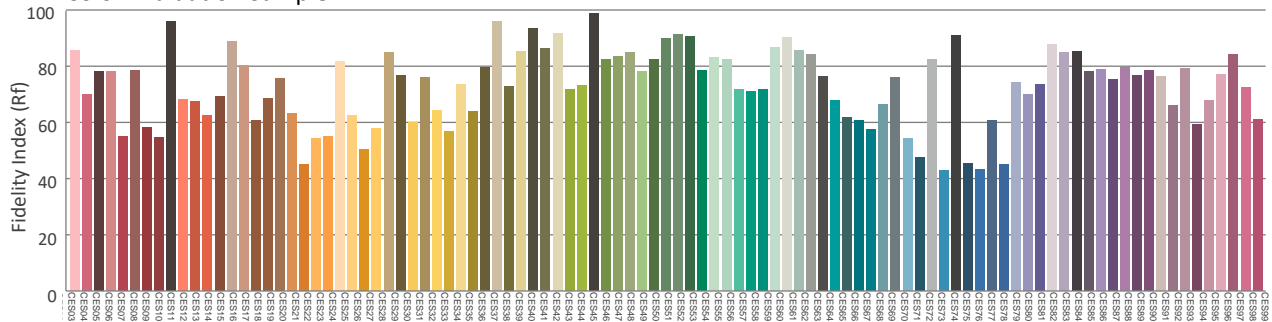
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to Auto

## Report Summary

### Measurements

Fixture Output: 55304 lm  
Fixture Peak: 99948 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 3998 lux  
Color Temperature: 6942 K  
CRI: 71.7      CRI R9 Value: -30.2  
CQS: 71.5  
TLCI: 51  
TM-30 Rf: 73.1  
TM-30 Rg: 94.8  
Beam Angle (50%): 48.9°  
Field Angle (10%): 55.3°  
Cutoff Angle (3%): 57.3°

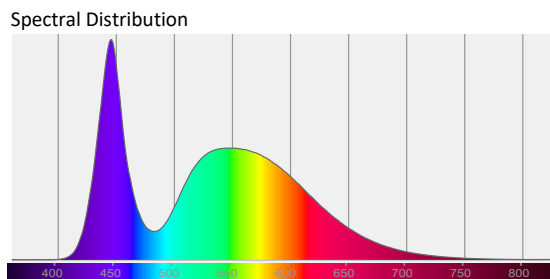
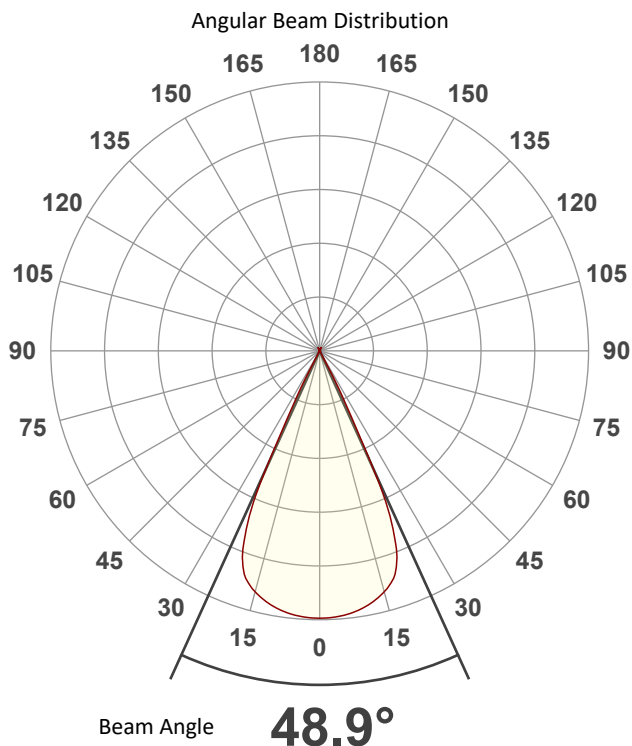
### Conditions

AC Supply: 116 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a



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 10/6/2022 to LM-63-2002 Standards.

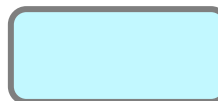
## Overall Measurement



Tested Color (CIE 1931):

X: 0.306

Y: 0.325



Light Quality

CRI: 71.7

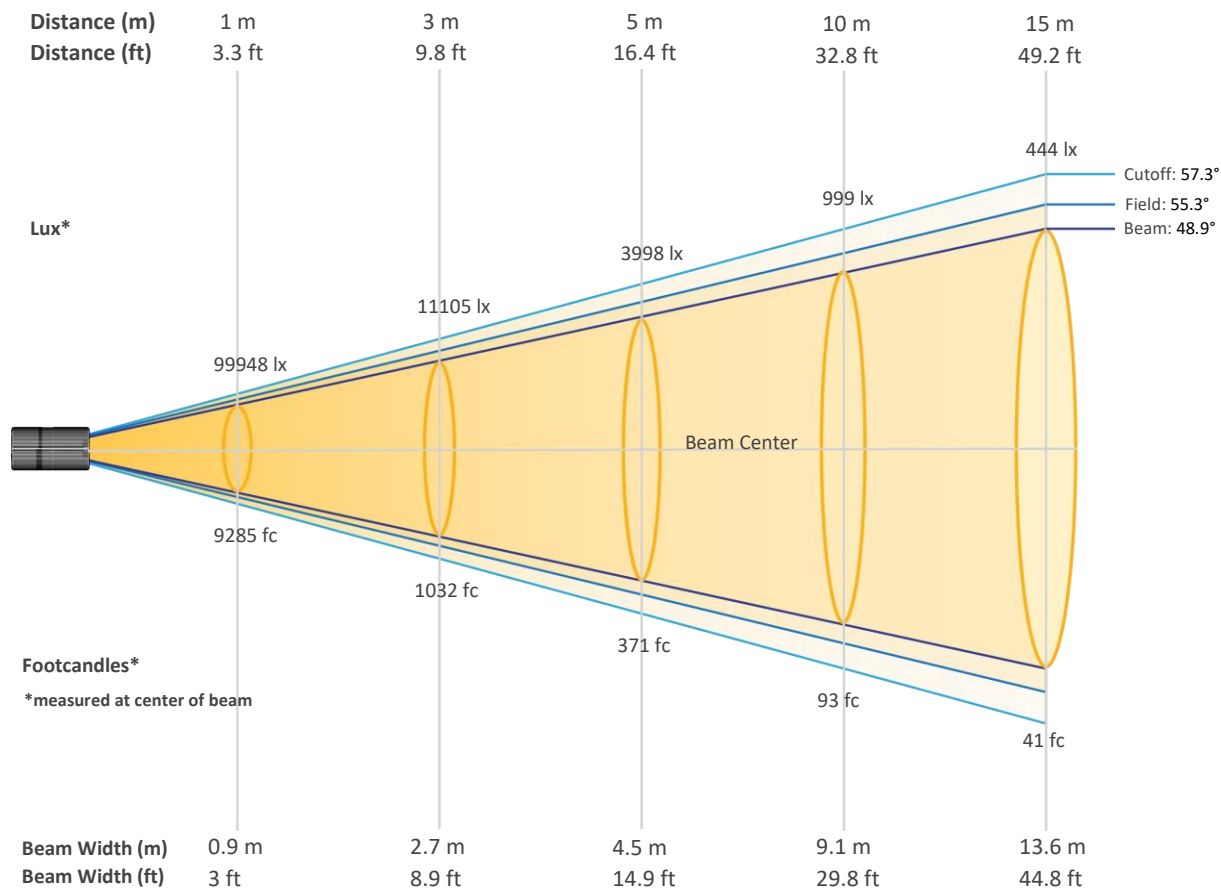
Color Temperature

6942 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to Auto

## Beam Details

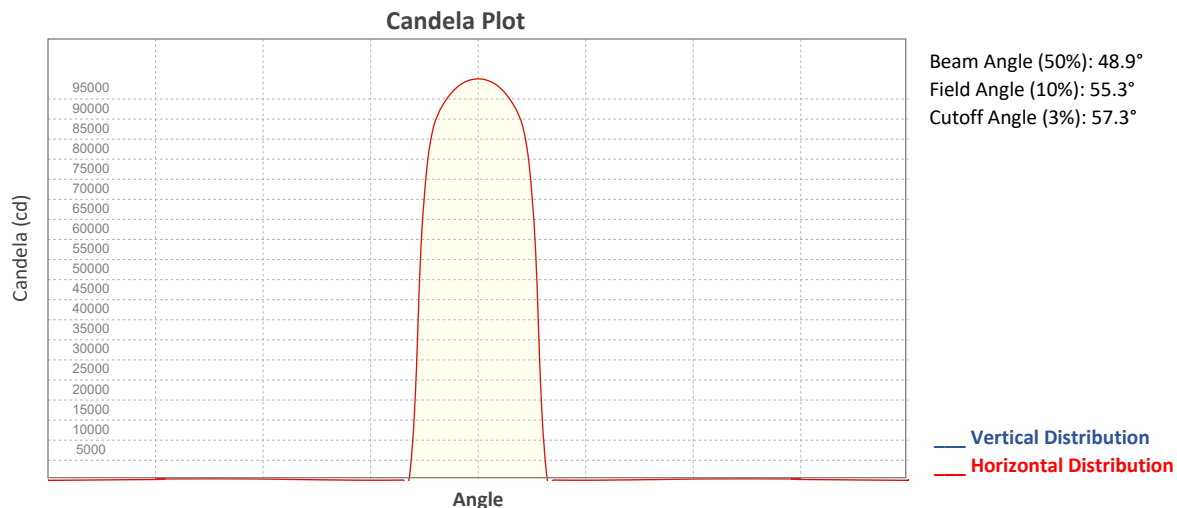


### Beam Intensities from 1-20m (3.3-65.6ft)

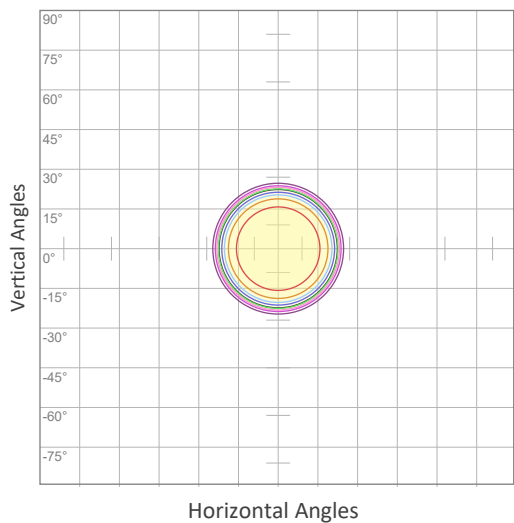
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	99948	24987	11105	6247	3998	2776	2040	1562	1234	999
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	826	694	591	510	444	390	346	308	277	250
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	9285	2321	1032	580	371	258	189	145	115	93
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	77	64	55	47	41	36	32	29	26	23

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to Auto



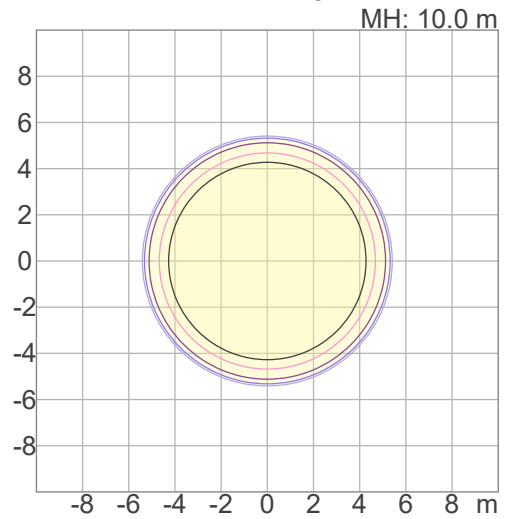
## ISO Diagrams



**ISO Candela Diagram**

10%	9995 cd
20%	19990 cd
30%	29984 cd
40%	39979 cd
50%	49974 cd
60%	59969 cd
70%	69963 cd
80%	79958 cd
90%	89953 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 99948 cd



**ISO Lux Diagram**

3%	30.0 lx
5%	50.0 lx
10%	99.9 lx
30%	300 lx
50%	500 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 999 lx

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

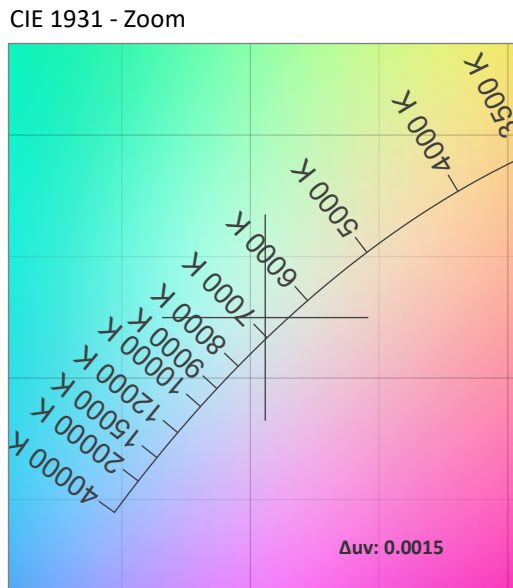
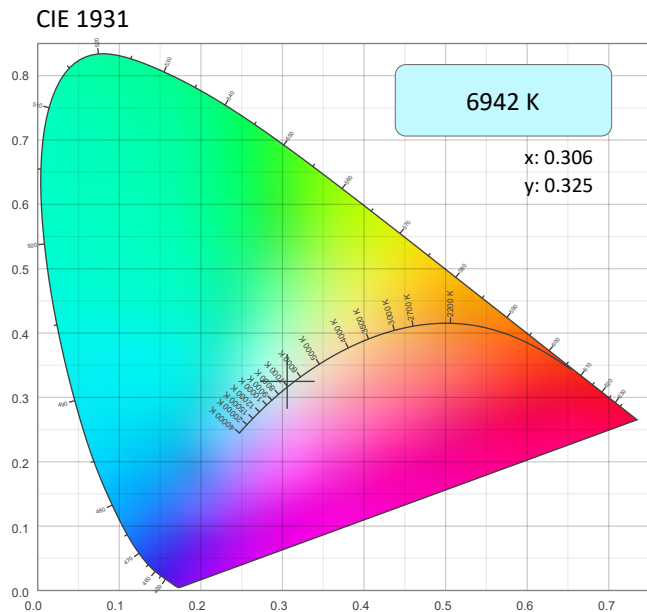
Mounting height: 10 meters / 33 feet



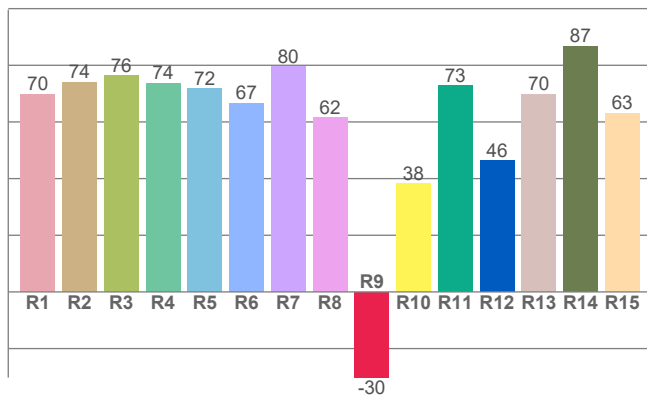
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to Auto

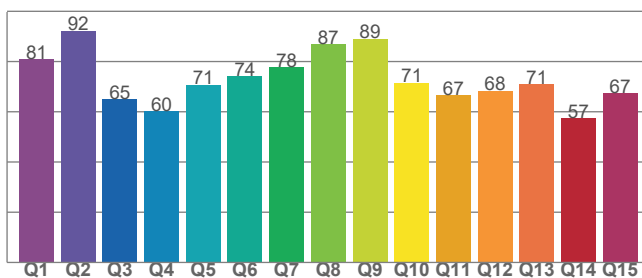
## Chromaticity



CRI: 71.7 (R1-R8)



CQS: 71.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6942 K	0.306	0.325

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0015	0.325	0.195

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.7	-30.2	71.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
51	73.1	94.8





# Photometric & Chromaticity Report

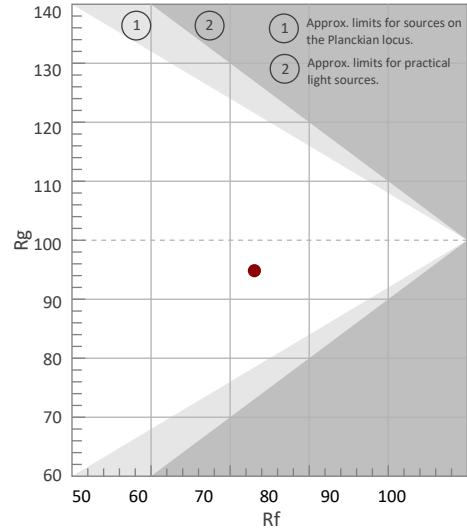
Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to Auto

## TM-30 Details

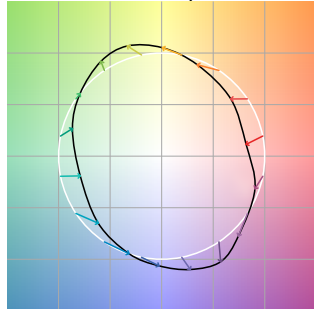
**Rf 73.1**  
Fidelity Index (Rg)

**Rg 94.8**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	68	-17%	-5%
2	71	-13%	9%
3	67	-7%	20%
4	68	3%	20%
5	74	11%	12%
6	84	9%	-2%
7	91	-1%	-6%
8	78	-10%	-9%
9	78	-19%	3%
10	65	-13%	20%
11	53	-4%	26%
12	72	5%	18%
13	81	13%	6%
14	77	17%	-9%
15	70	5%	-23%
16	76	-5%	-13%



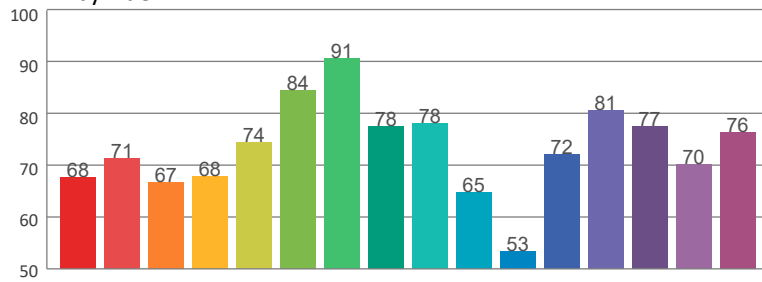
Color Vector Graphic



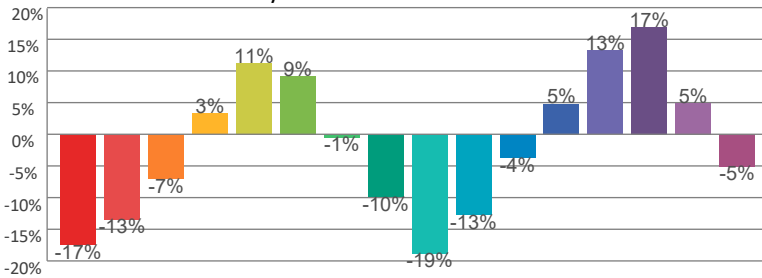
Color Distortion Graphic



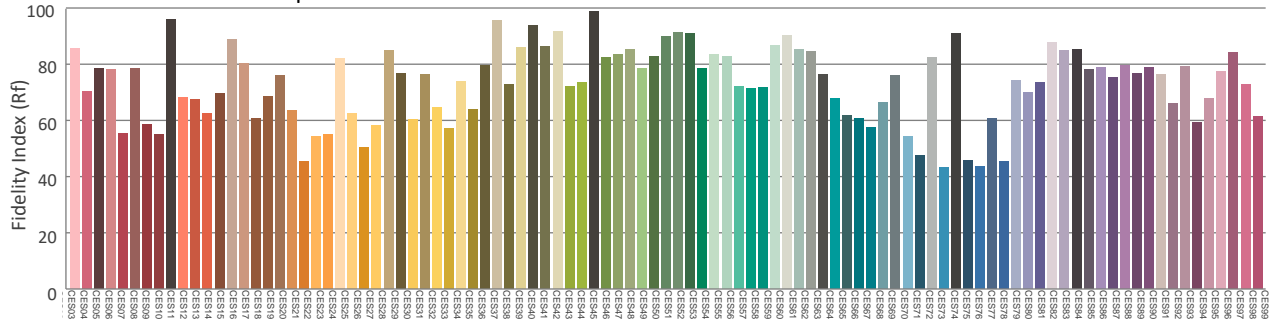
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to ECO

## Report Summary

### Measurements

Fixture Output: 51821 lm  
Fixture Peak: 93375 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 3735 lux  
Color Temperature: 6935 K  
CRI: 71.7      CRI R9 Value: -30.6  
CQS: 71.4  
TLCI: 51  
TM-30 Rf: 73.1  
TM-30 Rg: 94.8  
Beam Angle (50%): 48.5°  
Field Angle (10%): 55.2°  
Cutoff Angle (3%): 59.1°

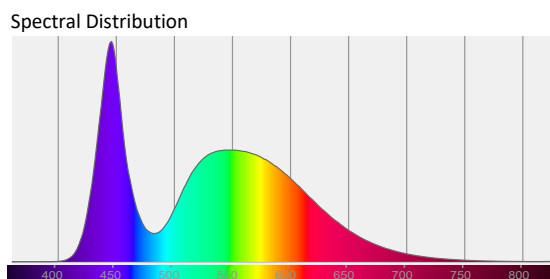
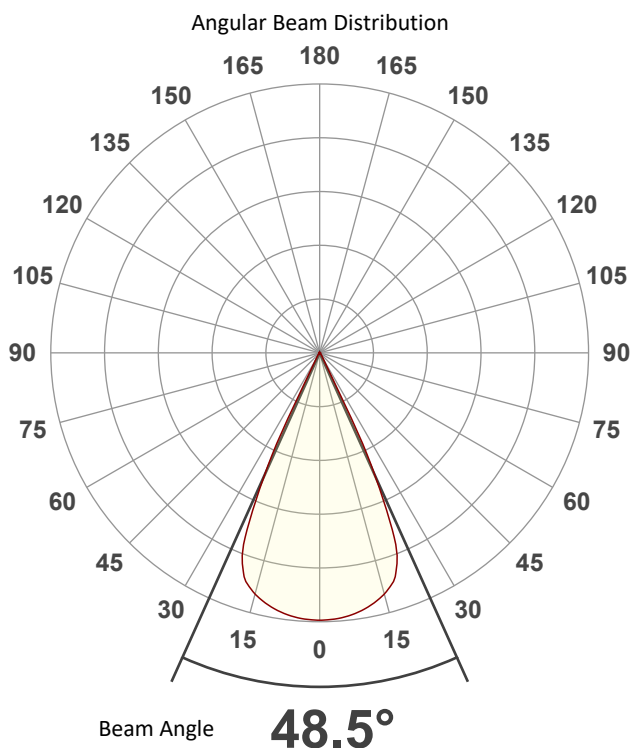


### Conditions

AC Supply: 116 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

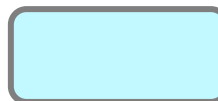
## Overall Measurement



Tested Color (CIE 1931):

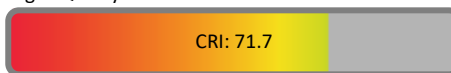
X: 0.306

Y: 0.325



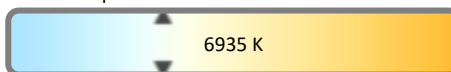
Light Quality

CRI: 71.7



Color Temperature

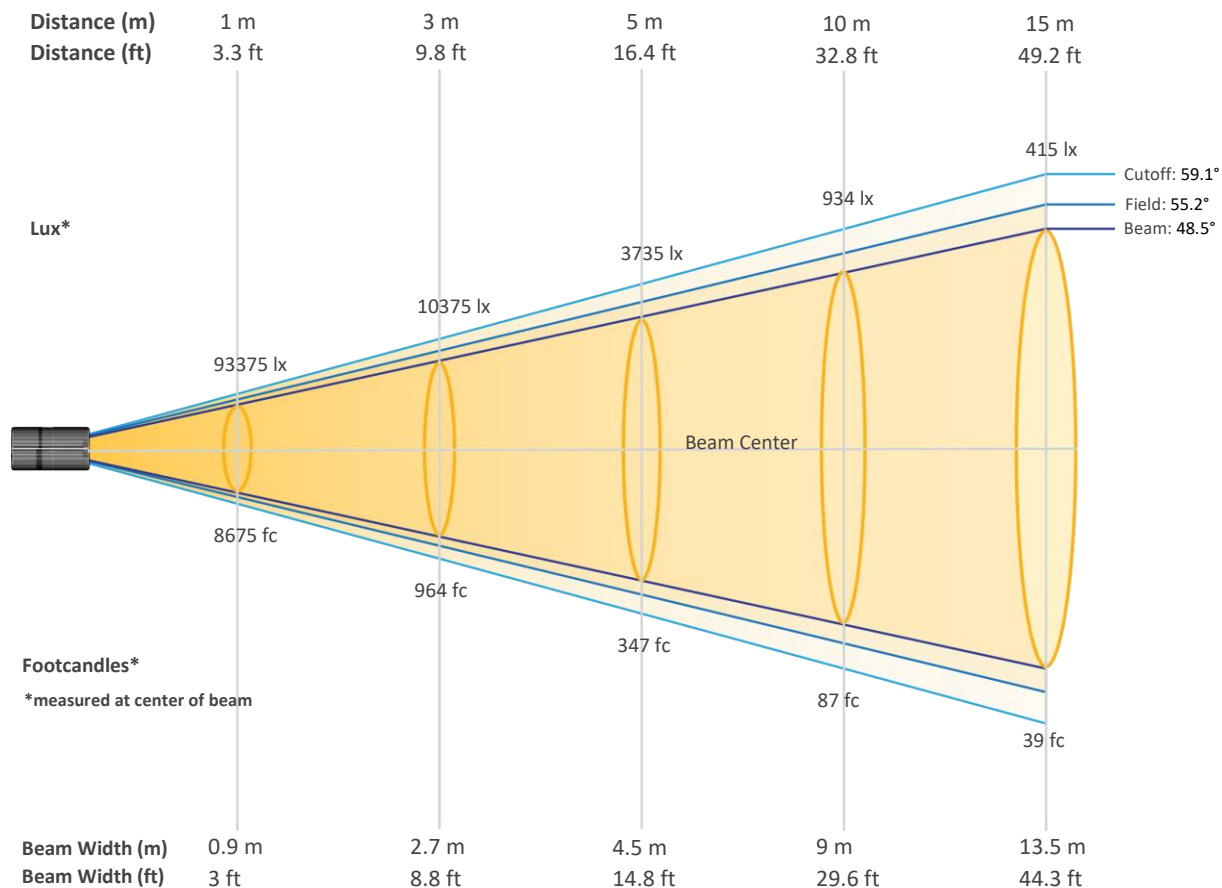
6935 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to ECO

## Beam Details

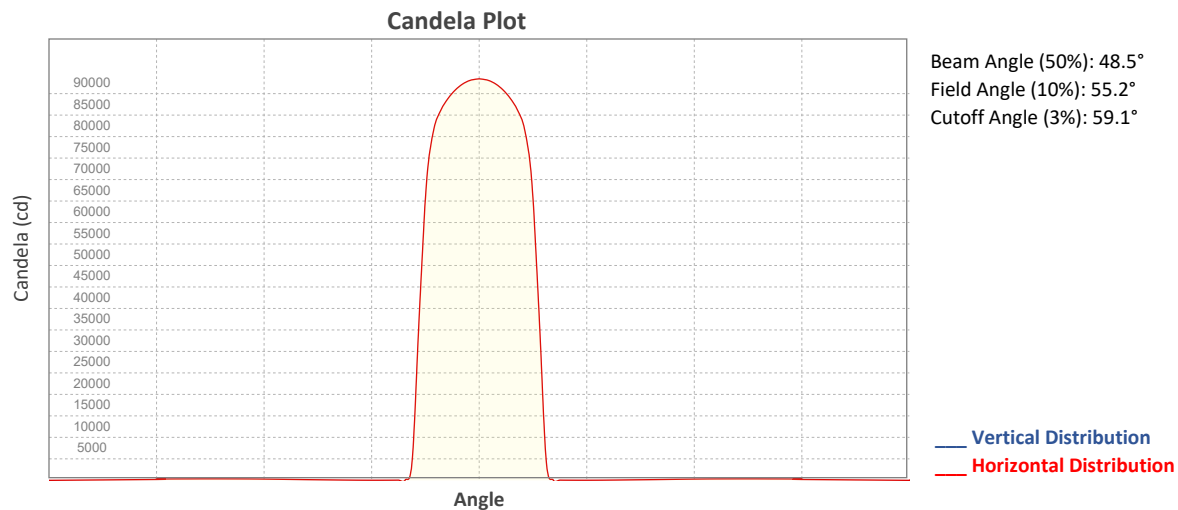


### Beam Intensities from 1-20m (3.3-65.6ft)

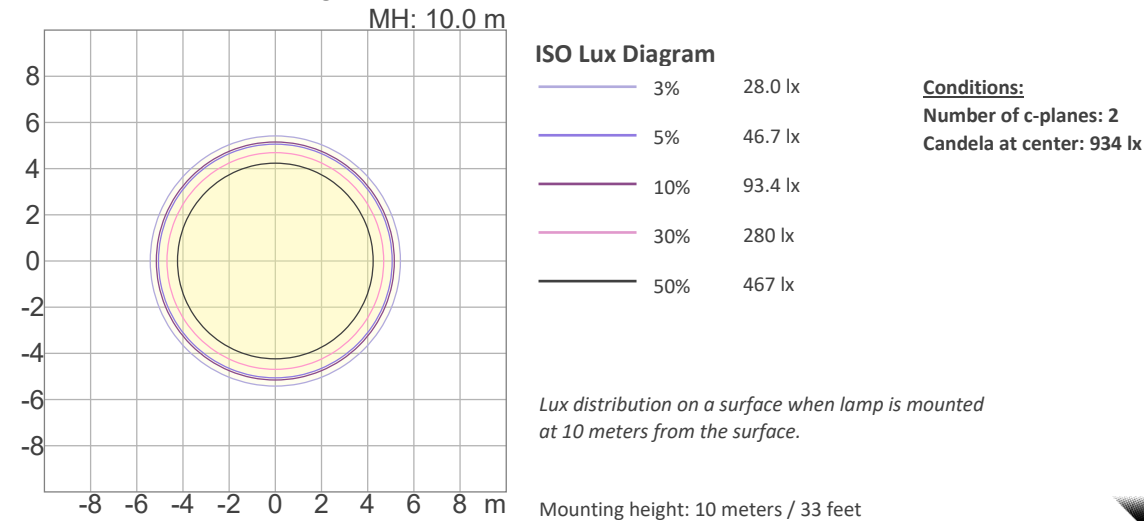
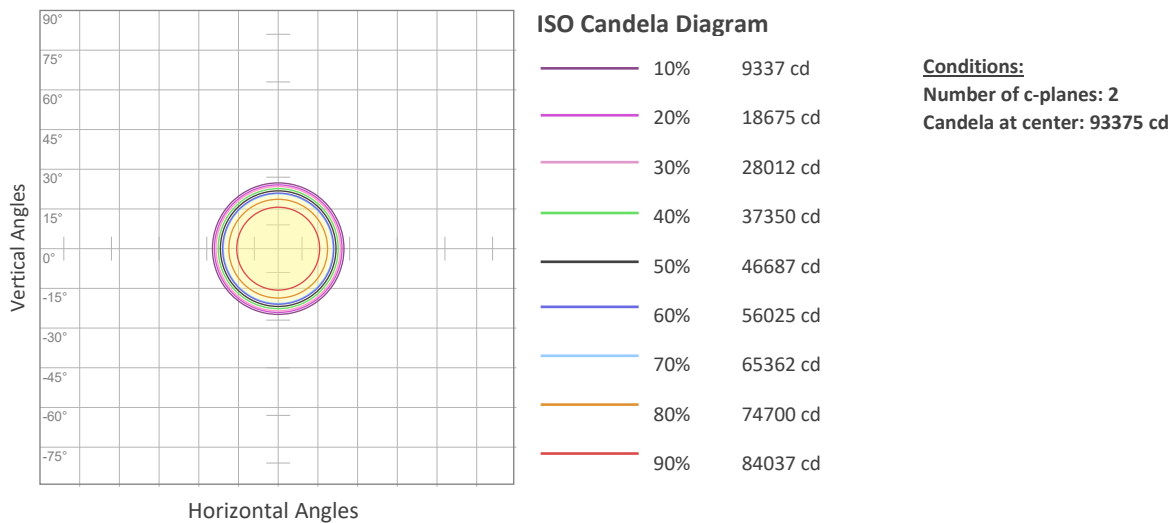
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	93375	23344	10375	5836	3735	2594	1906	1459	1153	934
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	772	648	553	476	415	365	323	288	259	233
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8675	2169	964	542	347	241	177	136	107	87
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	72	60	51	44	39	34	30	27	24	22

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to ECO



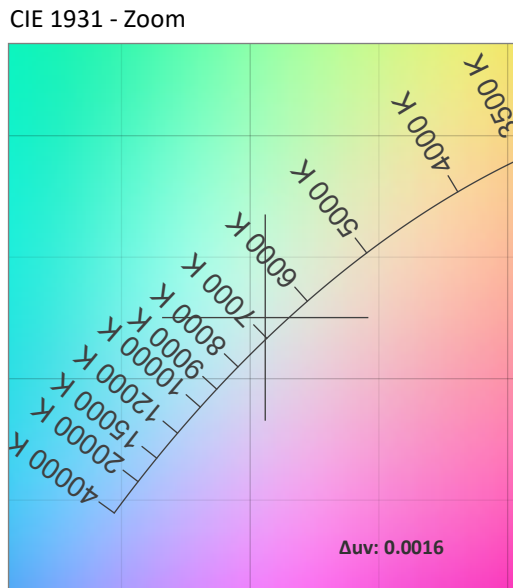
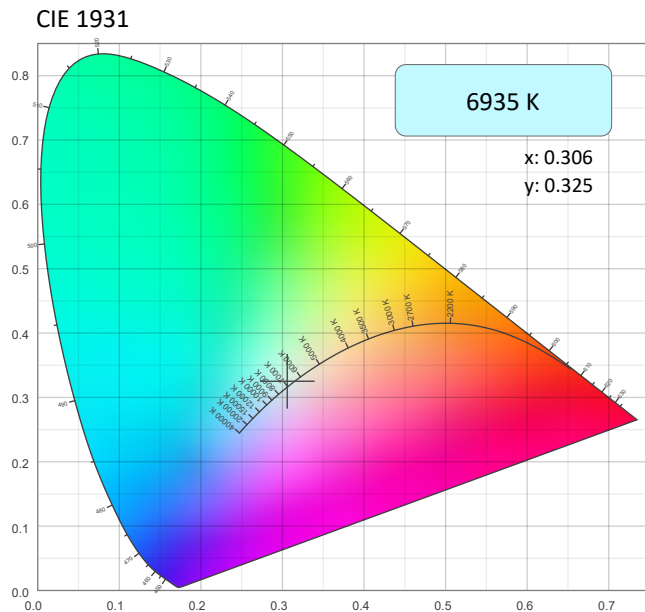
## ISO Diagrams



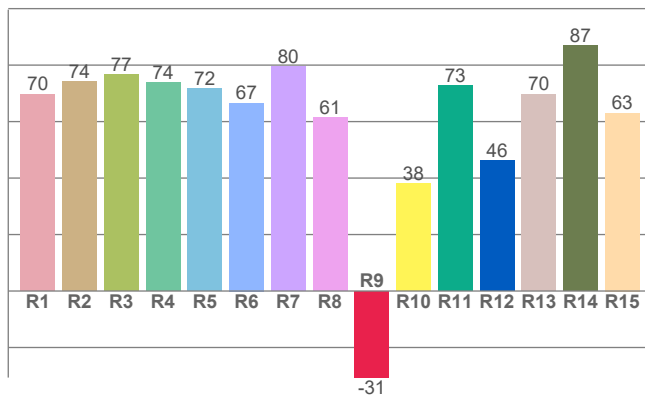
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to ECO

## Chromaticity



CRI: 71.7 (R1-R8)

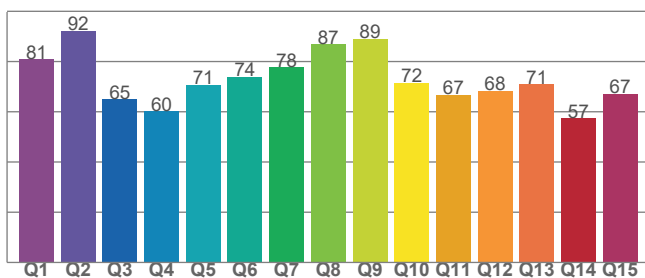


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6935 K	0.306	0.325

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0016	0.325	0.195

CQS: 71.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.7	-30.6	71.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
51	73.1	94.8

# Photometric & Chromaticity Report

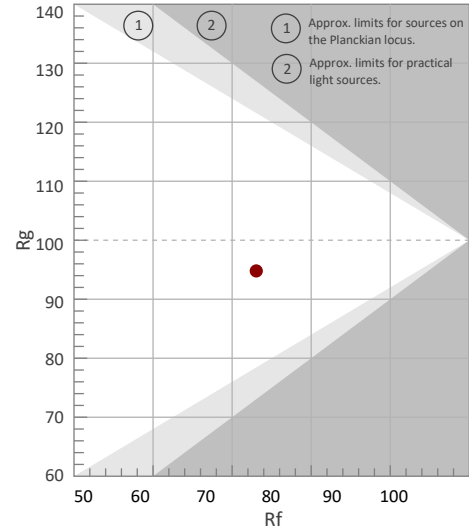
Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to ECO

## TM-30 Details

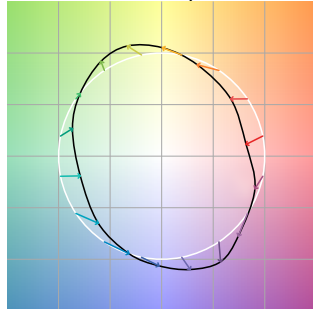
**Rf 73.1**  
Fidelity Index  
(Rg)

**Rg 94.8**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	68	-17%	-5%
2	71	-13%	9%
3	67	-7%	20%
4	68	3%	20%
5	74	11%	12%
6	84	9%	-2%
7	91	-1%	-7%
8	78	-10%	-9%
9	78	-19%	3%
10	65	-13%	20%
11	53	-4%	26%
12	72	5%	18%
13	81	13%	6%
14	77	17%	-9%
15	70	5%	-23%
16	76	-5%	-13%



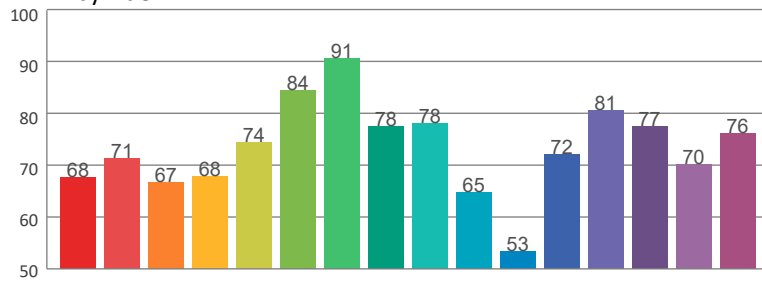
Color Vector Graphic



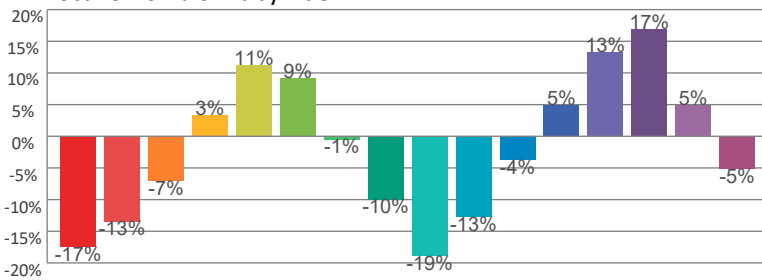
Color Distortion Graphic



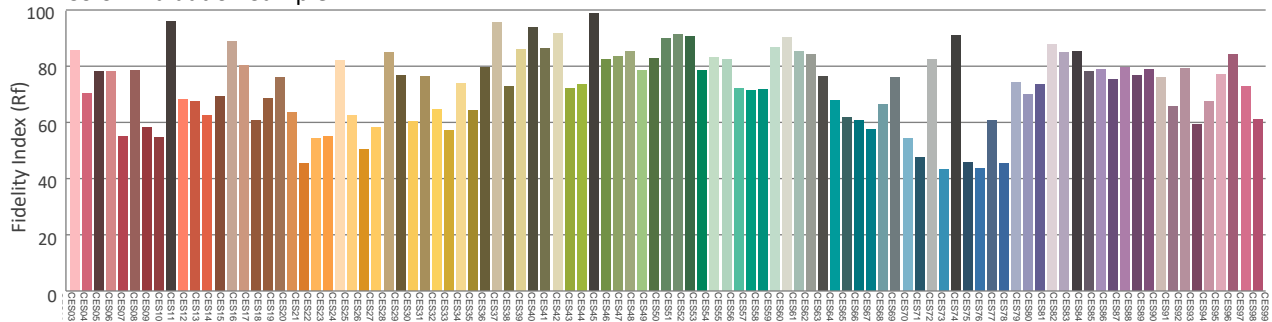
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV25

## Report Summary

### Measurements

Fixture Output: 37905 lm  
Fixture Peak: 68501 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 2740 lux  
Color Temperature: 6839 K  
CRI: 70.9      CRI R9 Value: -33.7  
CQS: 71.2  
TLCI: 50  
TM-30 Rf: 72.5  
TM-30 Rg: 94.9  
Beam Angle (50%): 48.6°  
Field Angle (10%): 55.2°  
Cutoff Angle (3%): 56.7°

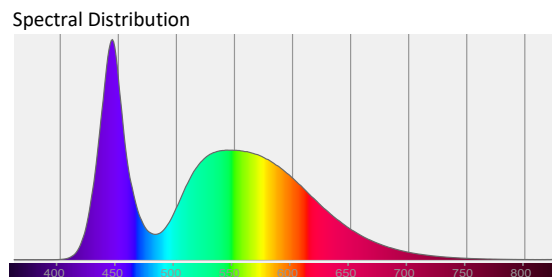
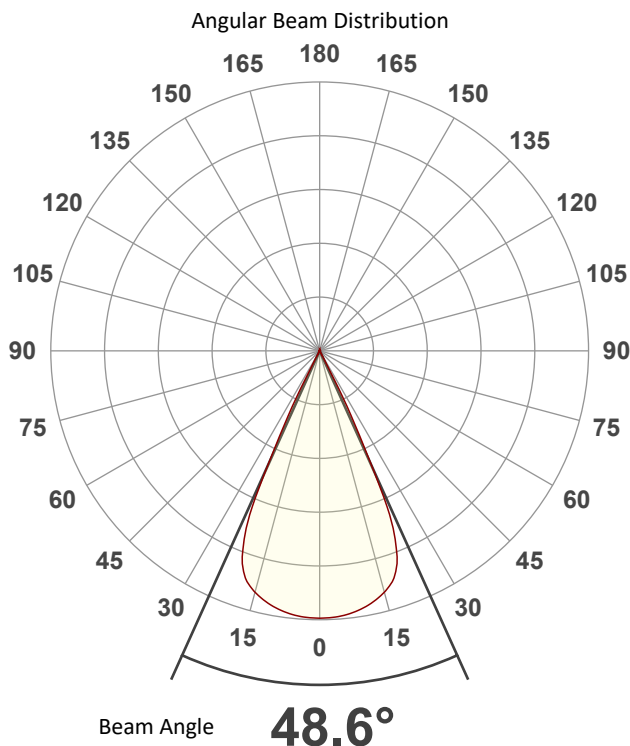
### Conditions

AC Supply: 117 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a



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 10/6/2022 to LM-63-2002 Standards.

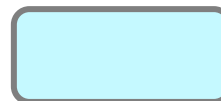
## Overall Measurement



Tested Color (CIE 1931):

X: 0.307

Y: 0.328



Light Quality

CRI: 70.9

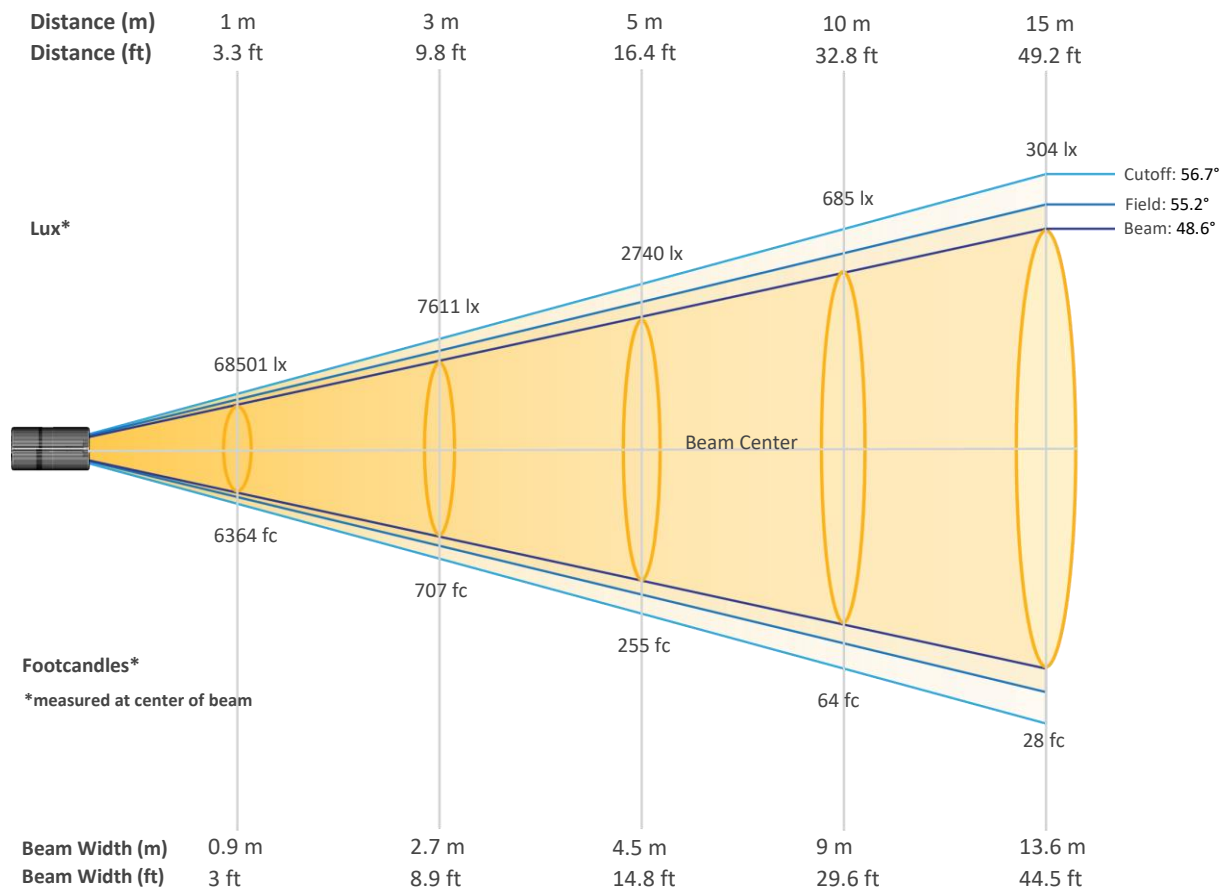
Color Temperature

6839 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV25

## Beam Details



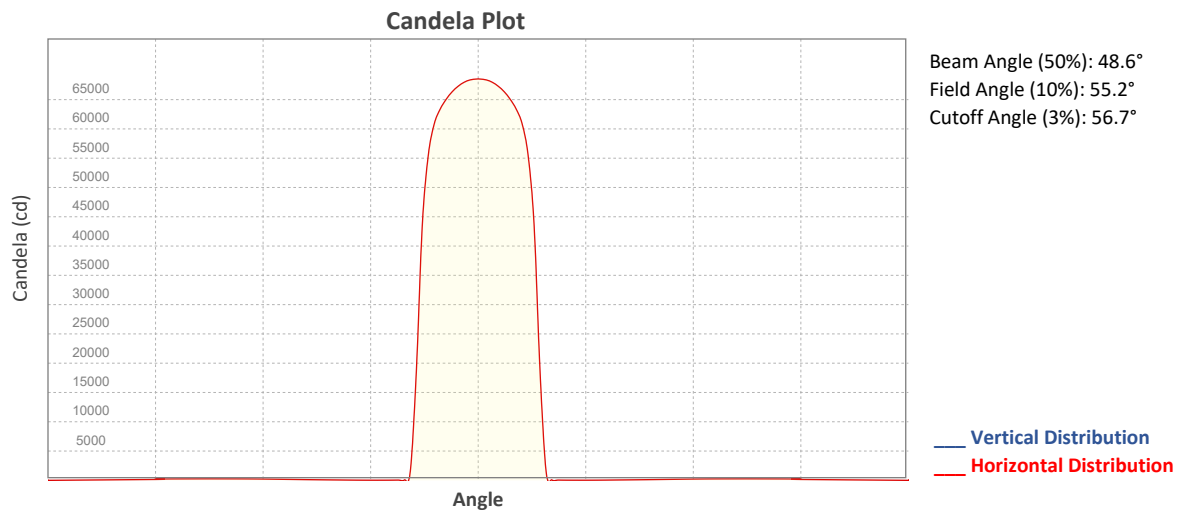
### Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	68501	17125	7611	4281	2740	1903	1398	1070	846	685
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	566	476	405	349	304	268	237	211	190	171
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	6364	1591	707	398	255	177	130	99	79	64
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	53	44	38	32	28	25	22	20	18	16

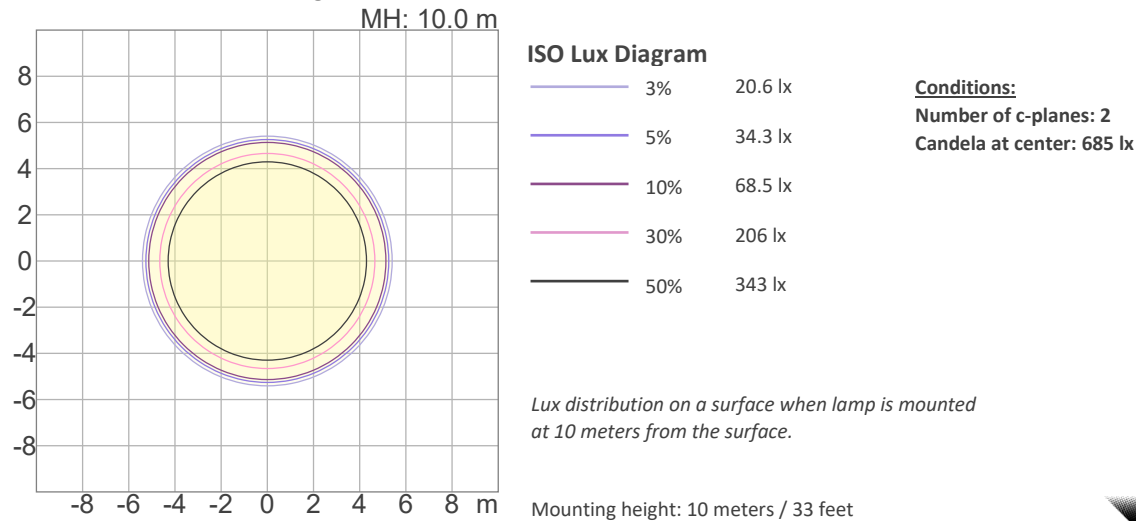
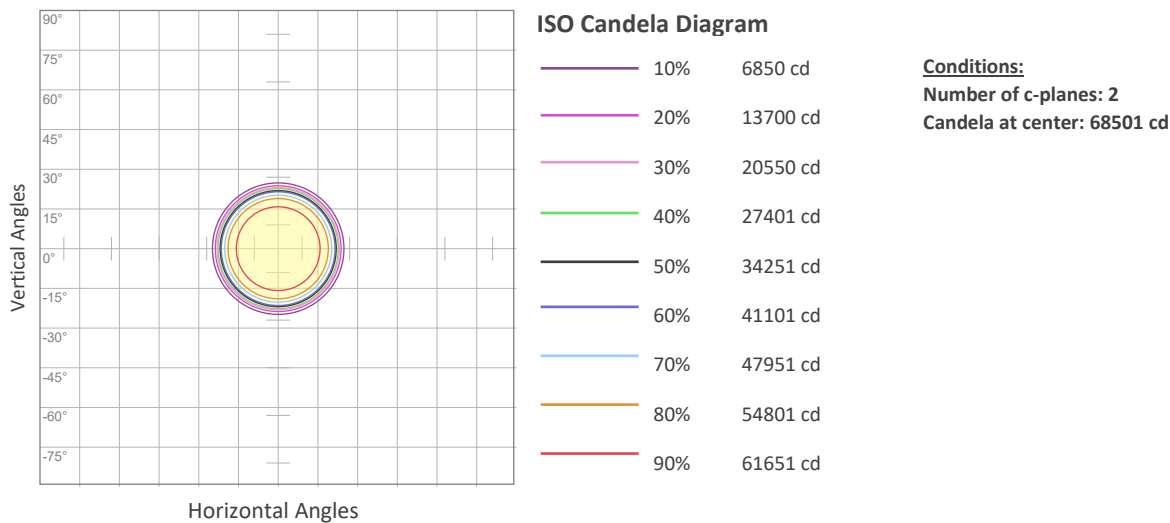


# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV25



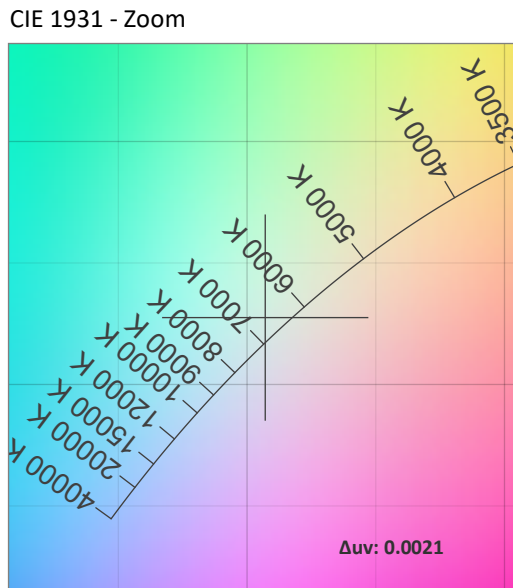
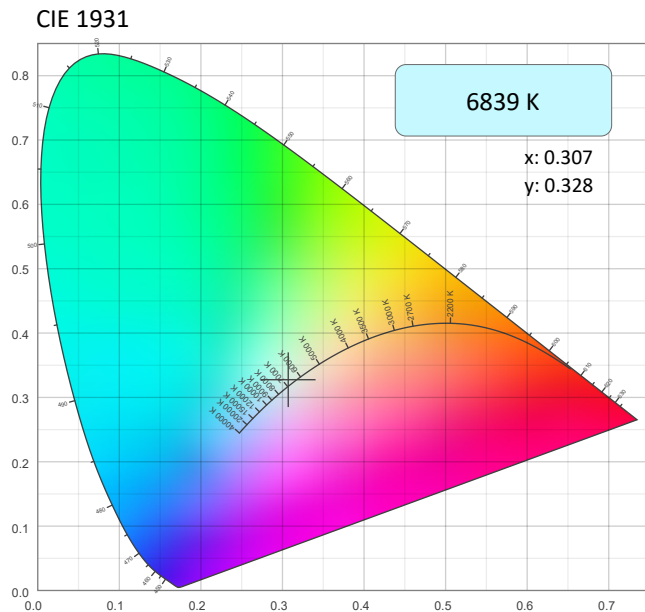
## ISO Diagrams



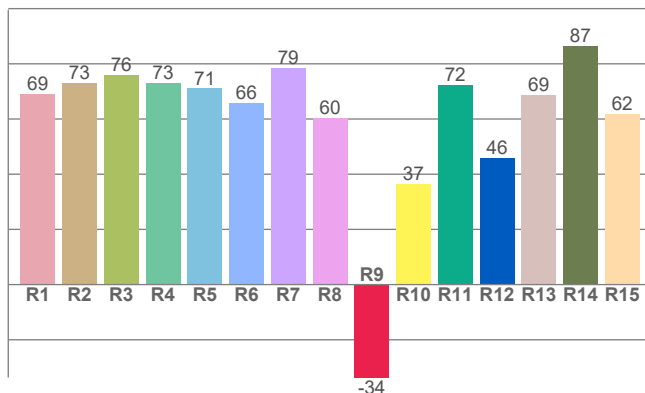
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV25

## Chromaticity



CRI: 70.9 (R1-R8)

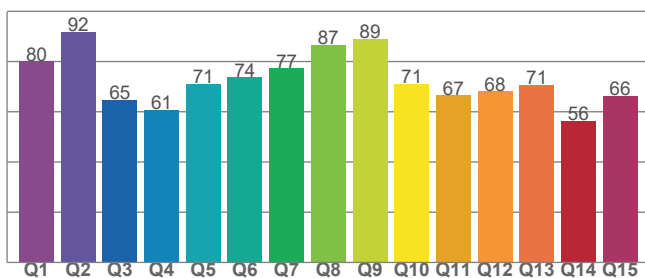


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6839 K	0.307	0.328

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0021	0.328	0.194

CQS: 71.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.9	-33.7	71.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
50	72.5	94.9

# Photometric & Chromaticity Report

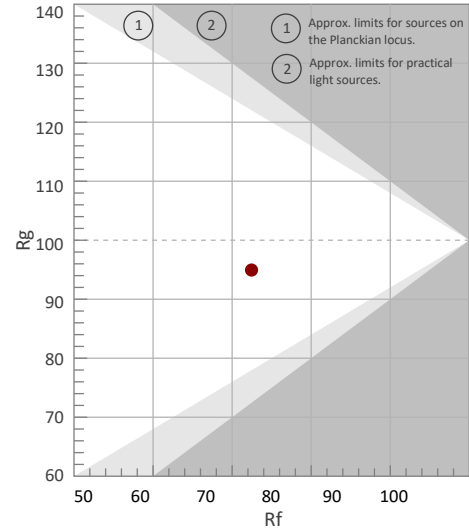
Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV25

## TM-30 Details

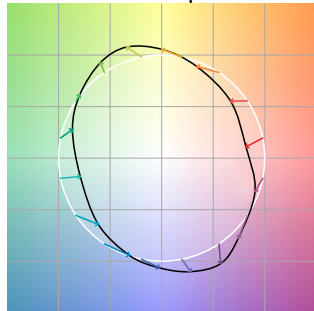
**Rf 72.5**  
Fidelity Index (Rg)

**Rg 94.9**  
Gammut Index (Rg)

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-14%	9%
3	66	-7%	21%
4	67	3%	20%
5	73	12%	12%
6	83	10%	-2%
7	90	0%	-7%
8	77	-10%	-10%
9	78	-19%	2%
10	65	-13%	19%
11	53	-4%	26%
12	71	5%	19%
13	80	13%	6%
14	78	17%	-9%
15	70	5%	-23%
16	75	-5%	-14%



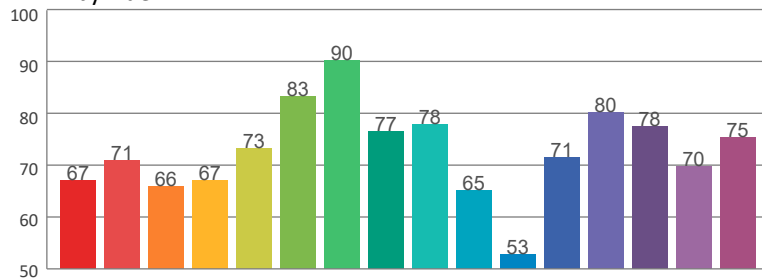
Color Vector Graphic



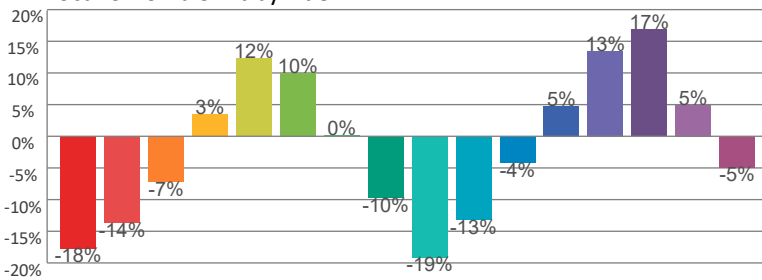
Color Distortion Graphic



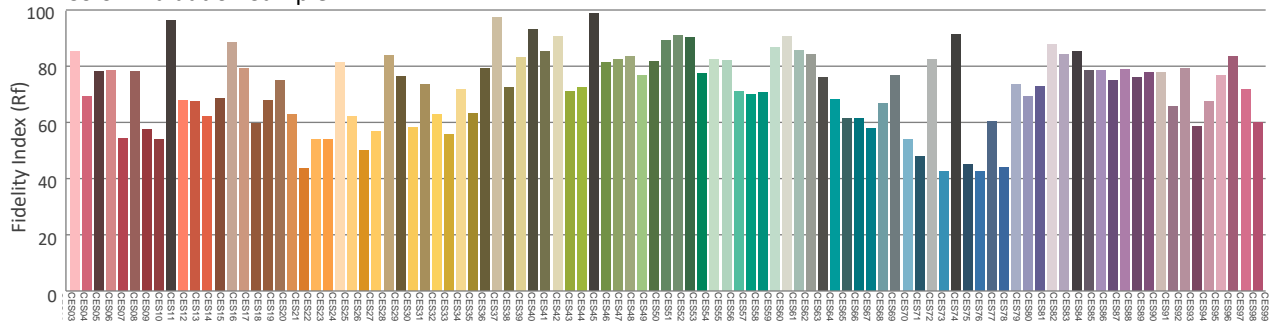
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV35

## Report Summary

### Measurements

Fixture Output: 25862 lm  
Fixture Peak: 46706 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 1868 lux  
Color Temperature: 6803 K  
CRI: 70.6      CRI R9 Value: -35.1  
CQS: 71.2  
TLCI: 50  
TM-30 Rf: 72.2  
TM-30 Rg: 95.0  
Beam Angle (50%): 48.9°  
Field Angle (10%): 55.3°  
Cutoff Angle (3%): 56.9°

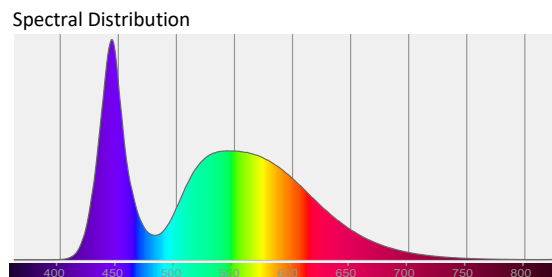
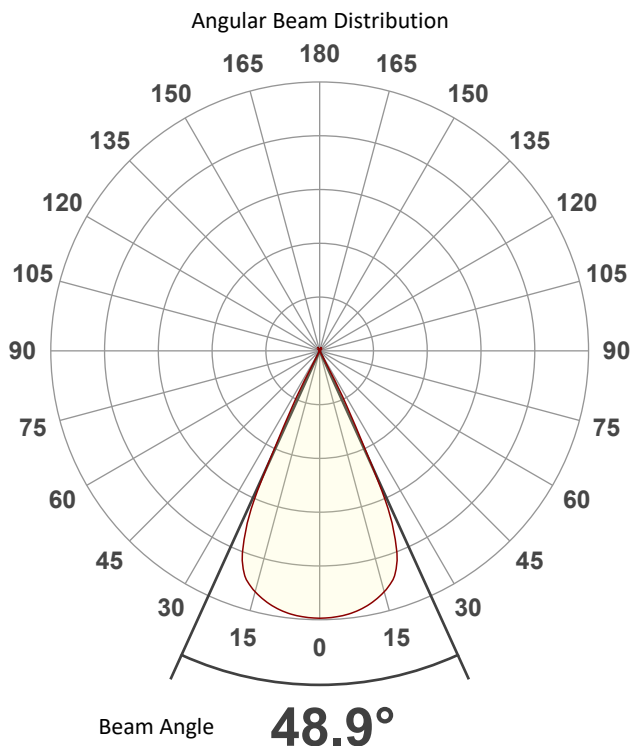
### Conditions

AC Supply: 117 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a



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 10/6/2022 to LM-63-2002 Standards.

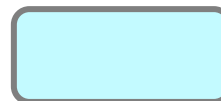
## Overall Measurement



Tested Color (CIE 1931):

X: 0.308

Y: 0.329



Light Quality

CRI: 70.6

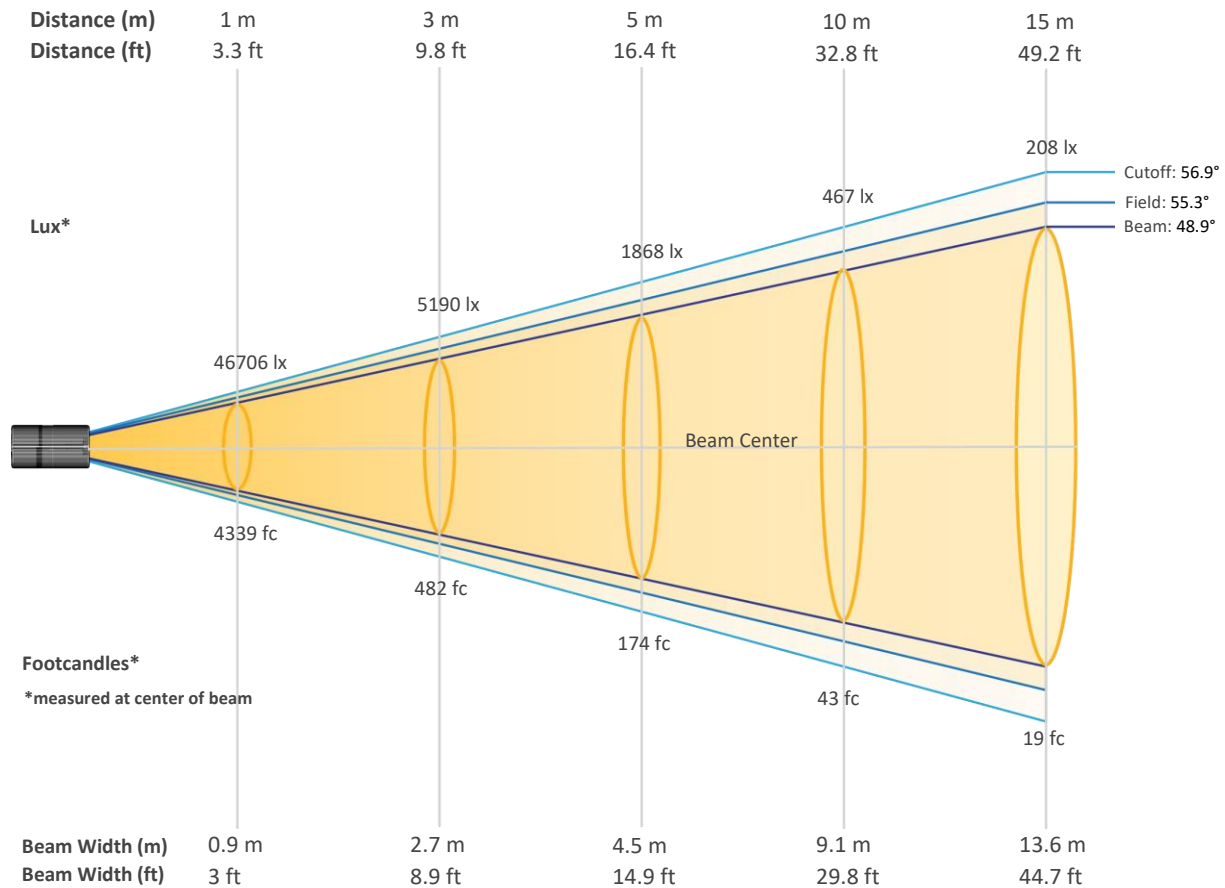
Color Temperature

6803 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV35

## Beam Details

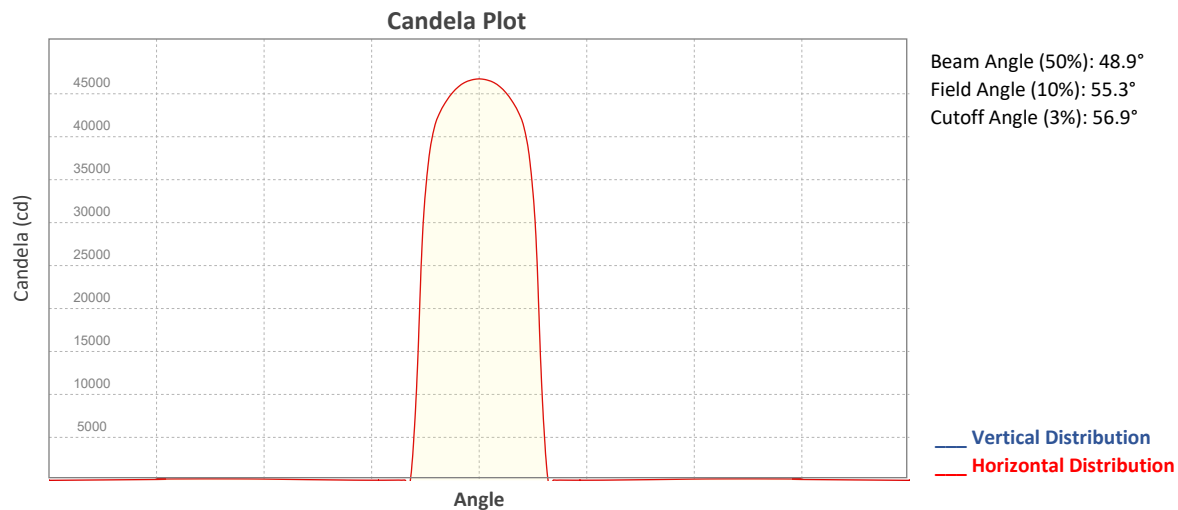


### Beam Intensities from 1-20m (3.3-65.6ft)

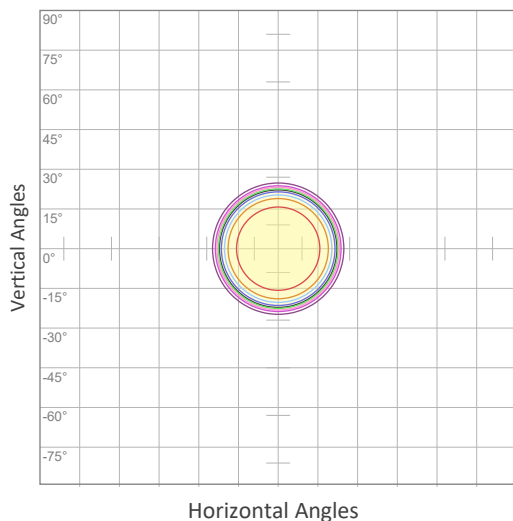
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	46706	11676	5190	2919	1868	1297	953	730	577	467
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	386	324	276	238	208	182	162	144	129	117
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4339	1085	482	271	174	121	89	68	54	43
Distance	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 & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV35



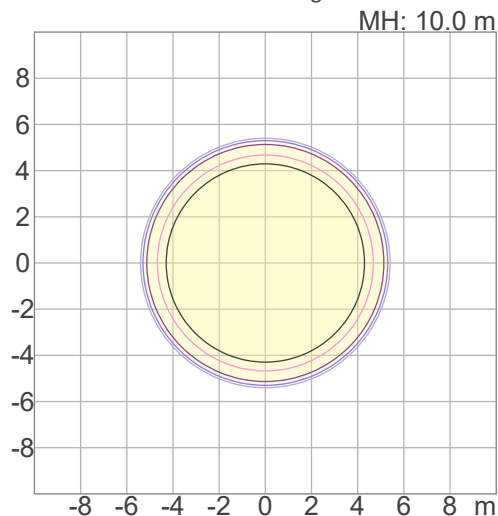
## ISO Diagrams



ISO Candela Diagram

10%	4671 cd
20%	9341 cd
30%	14012 cd
40%	18682 cd
50%	23353 cd
60%	28024 cd
70%	32694 cd
80%	37365 cd
90%	42035 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 46706 cd



ISO Lux Diagram

3%	14.0 lx
5%	23.4 lx
10%	46.7 lx
30%	140 lx
50%	234 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 467 lx

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

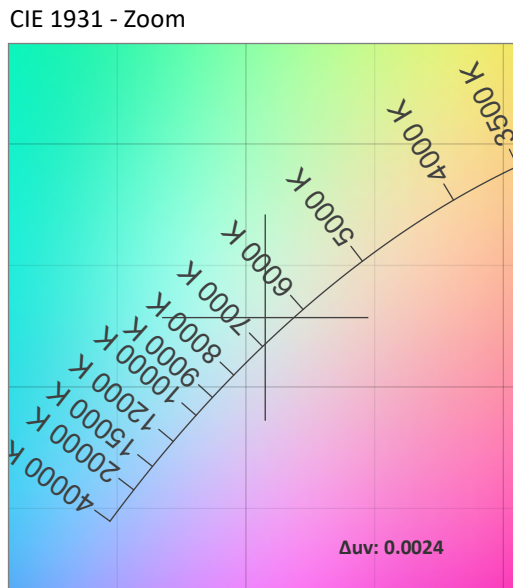
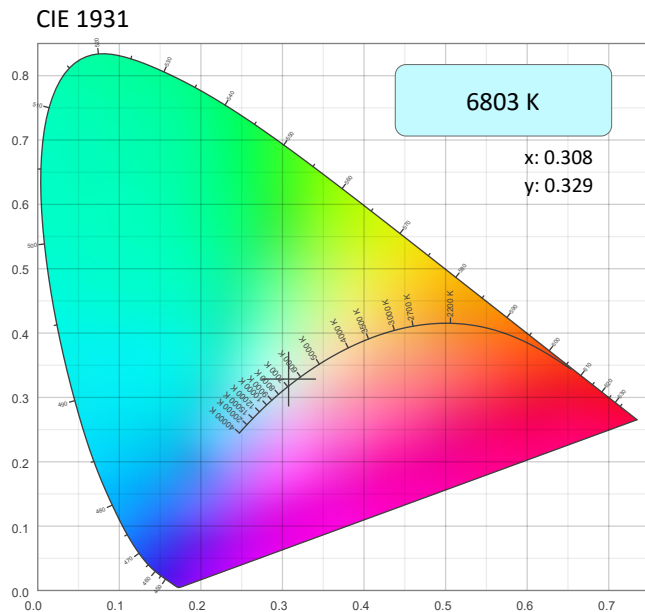
Mounting height: 10 meters / 33 feet



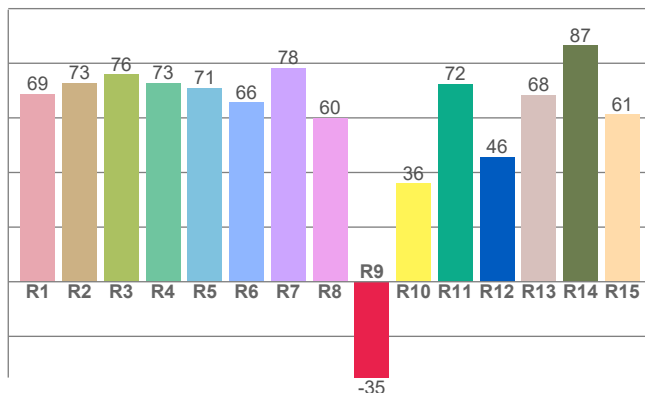
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV35

## Chromaticity



CRI: 70.6 (R1-R8)

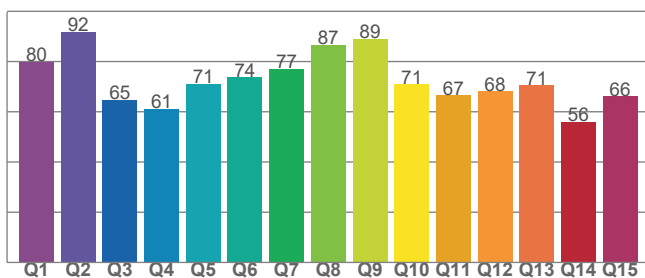


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6803 K	0.308	0.329

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0024	0.329	0.194

CQS: 71.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.6	-35.1	71.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
50	72.2	95.0

# Photometric & Chromaticity Report

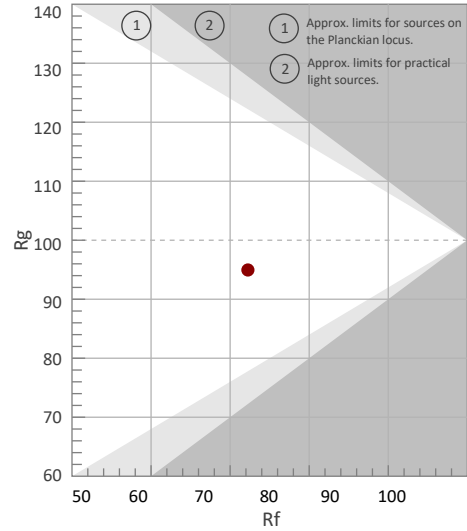
Maverick Storm 4 Profile: Full Flood - Full Power - Fans set to TV35

## TM-30 Details

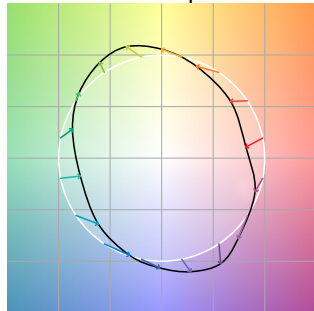
**Rf 72.2**  
Fidelity Index (Rg)

**Rg 95.0**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-14%	9%
3	66	-7%	21%
4	67	4%	20%
5	73	13%	12%
6	83	10%	-1%
7	88	2%	-8%
8	76	-10%	-11%
9	78	-19%	2%
10	65	-13%	19%
11	53	-4%	26%
12	71	5%	19%
13	80	13%	6%
14	78	17%	-9%
15	70	5%	-23%
16	75	-5%	-14%



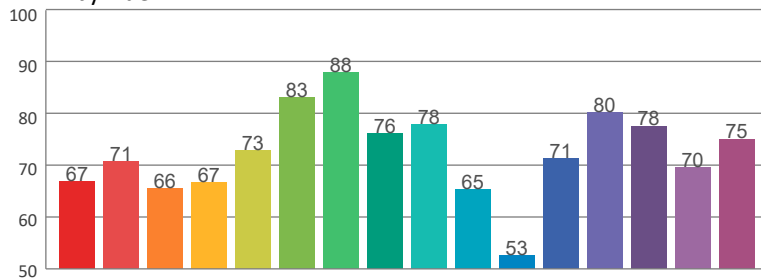
Color Vector Graphic



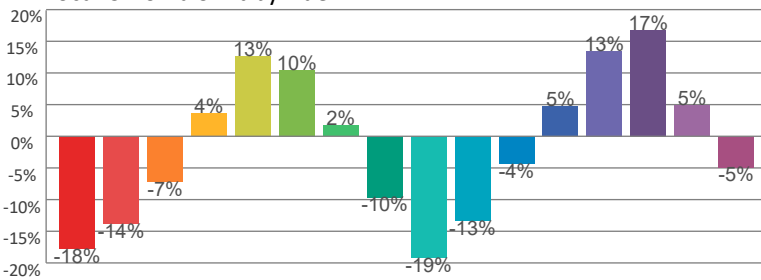
Color Distortion Graphic



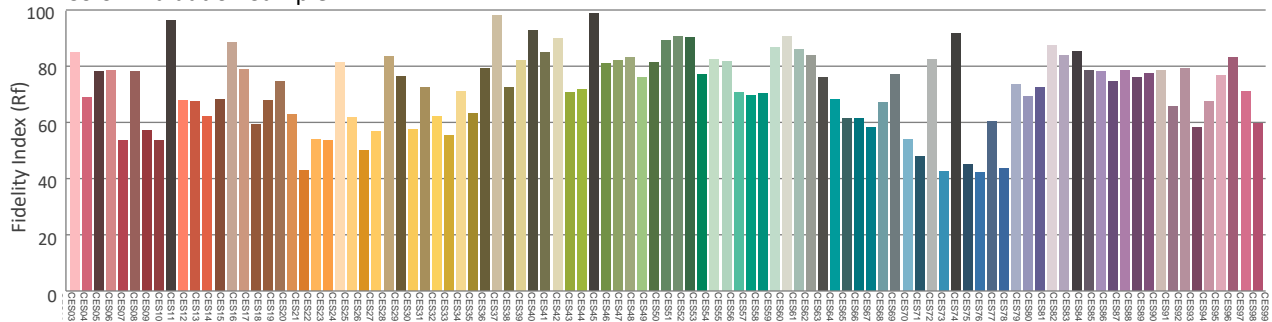
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample





# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 32216 lm  
Fixture Peak: 3178973 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 127159 lux  
Color Temperature: 6863 K  
CRI: 71.7      CRI R9 Value: -31.6  
CQS: 71.6  
TLCI: 52  
TM-30 Rf: 73.3  
TM-30 Rg: 94.6  
Beam Angle (50%): 6.2°  
Field Angle (10%): 8.4°  
Cutoff Angle (3%): 8.8°

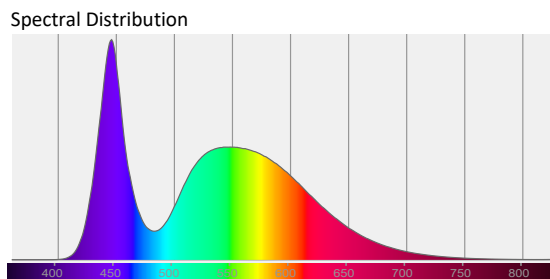
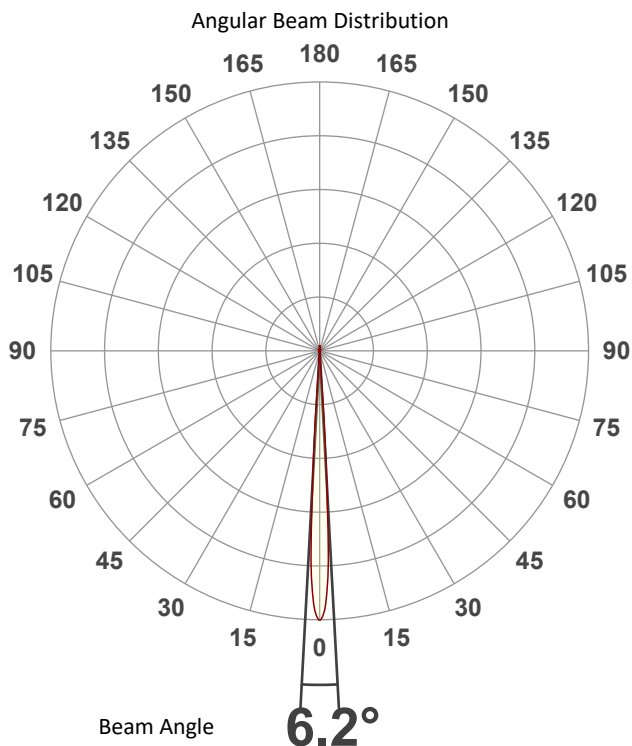
### Conditions

AC Supply: 115 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a



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 10/6/2022 to LM-63-2002 Standards.

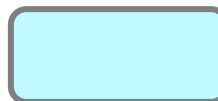
## Overall Measurement



Tested Color (CIE 1931):

X: 0.307

Y: 0.327



Light Quality

CRI: 71.7

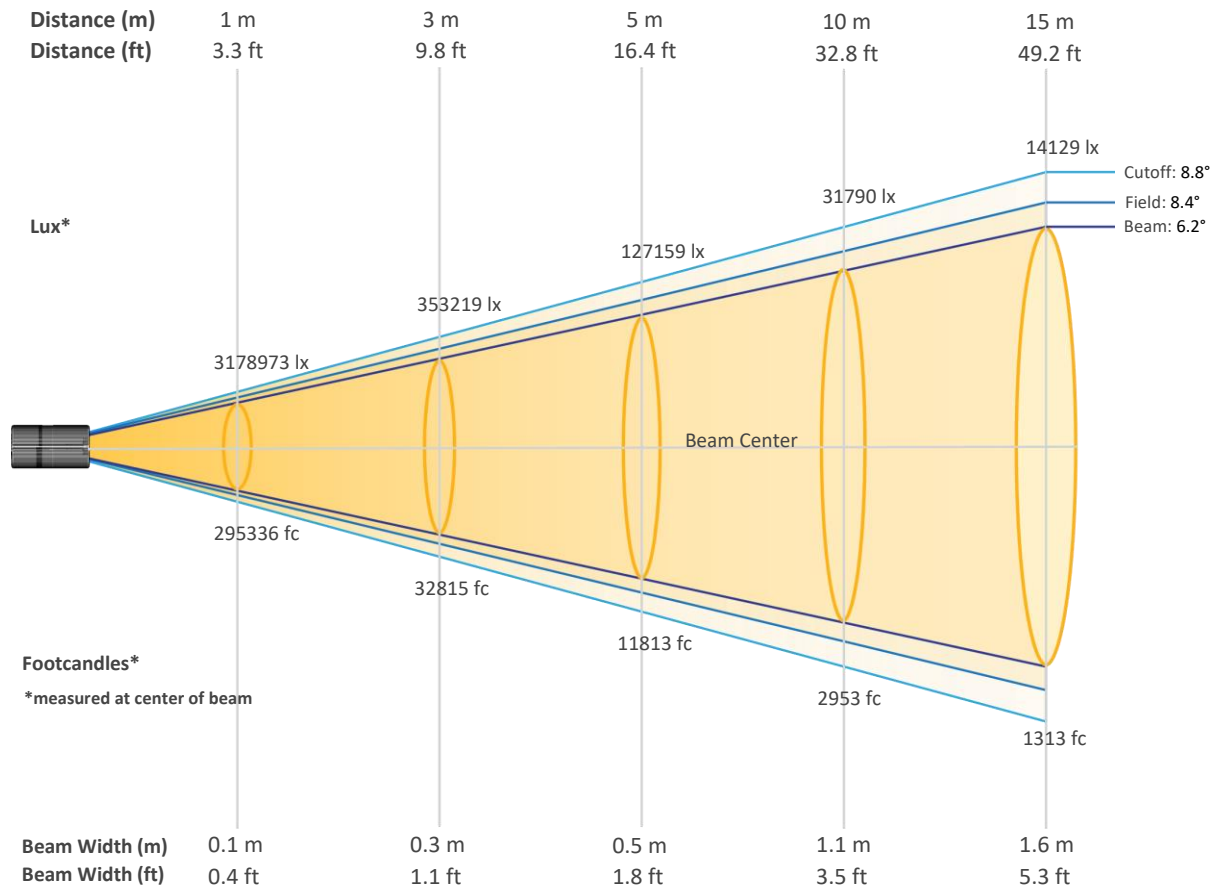
Color Temperature

6863 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full

## Beam Details

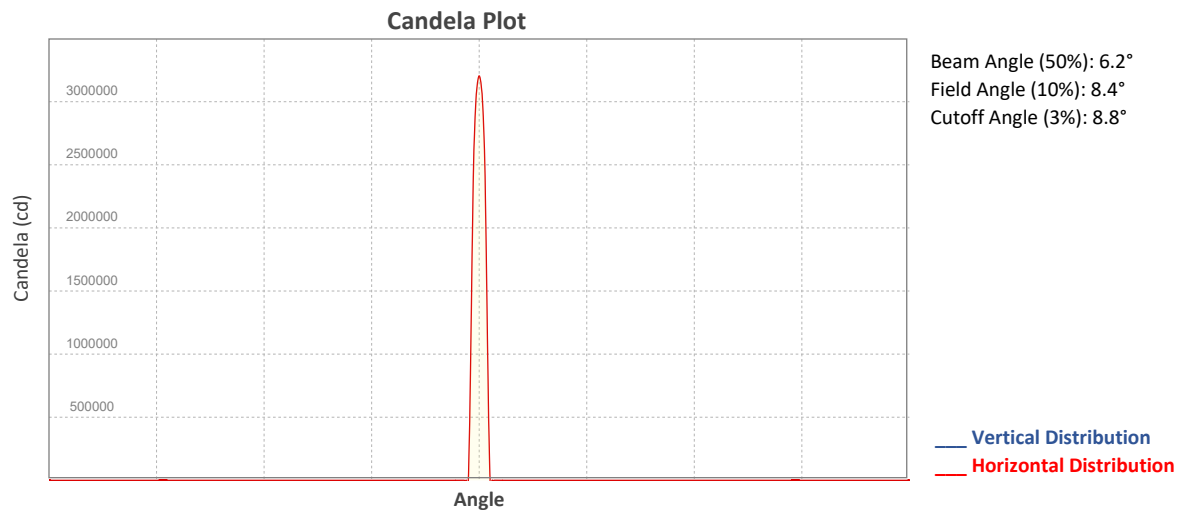


### Beam Intensities from 1-20m (3.3-65.6ft)

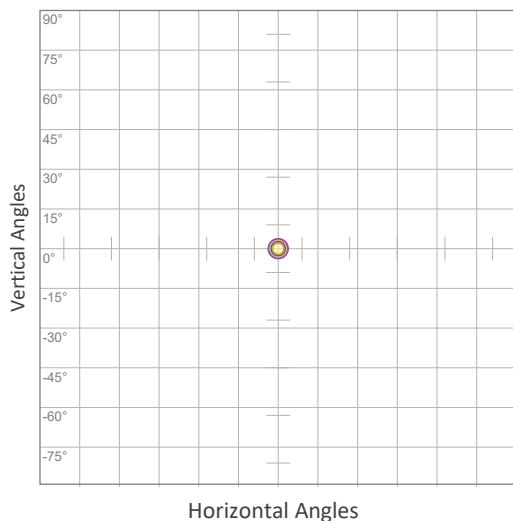
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3178973	794743	353219	198686	127159	88305	64877	49671	39247	31790
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	26273	22076	18810	16219	14129	12418	11000	9812	8806	7947
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	295336	73834	32815	18459	11813	8204	6027	4615	3646	2953
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2441	2051	1748	1507	1313	1154	1022	912	818	738

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full



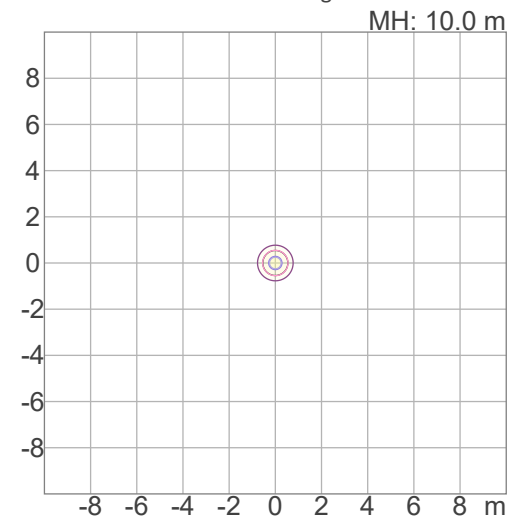
## ISO Diagrams



**ISO Candela Diagram**

	10%	317897 cd
	20%	635795 cd
	30%	953692 cd
	40%	1271589 cd
	50%	1589486 cd
	60%	1907384 cd
	70%	2225281 cd
	80%	2543178 cd
	90%	2861076 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 3178973 cd



**ISO Lux Diagram**

	3%	954 lx
	5%	1589 lx
	10%	3179 lx
	30%	9537 lx
	50%	15.9K lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 31.8K lx

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

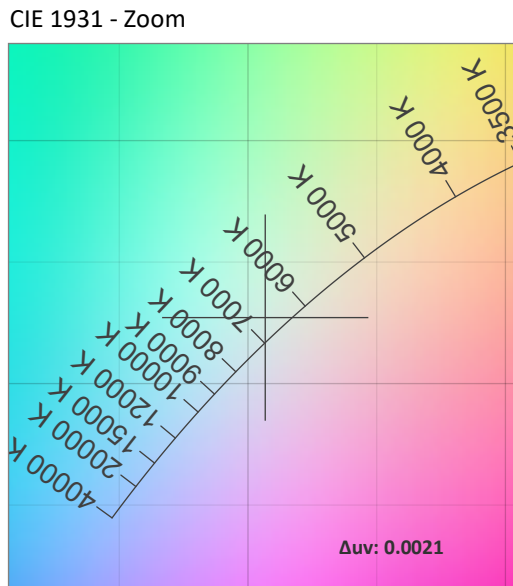
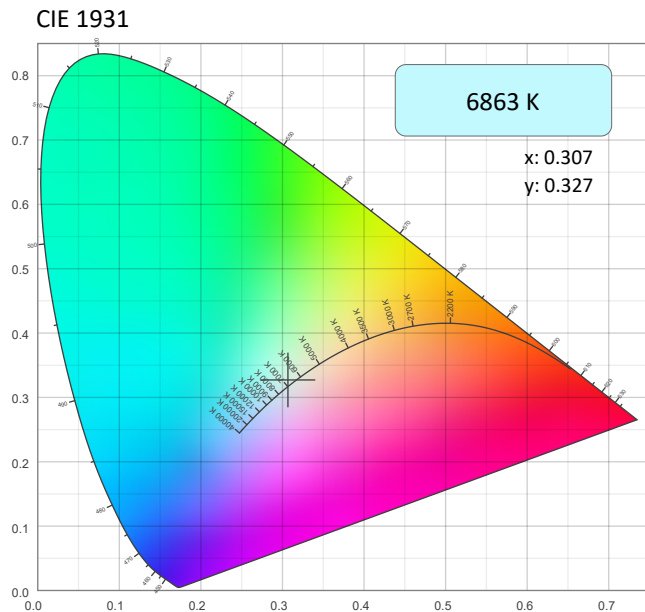
Mounting height: 10 meters / 33 feet



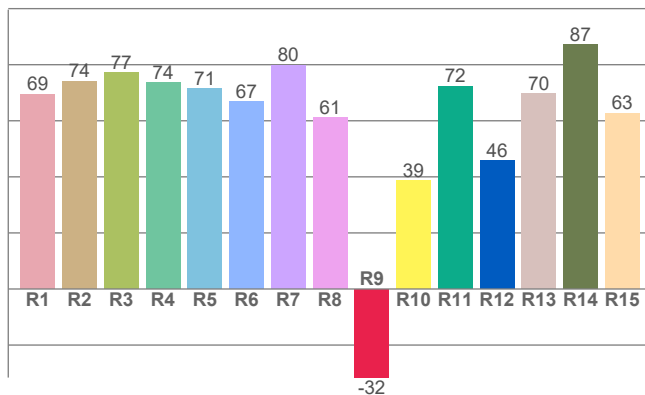
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full

## Chromaticity



CRI: 71.7 (R1-R8)

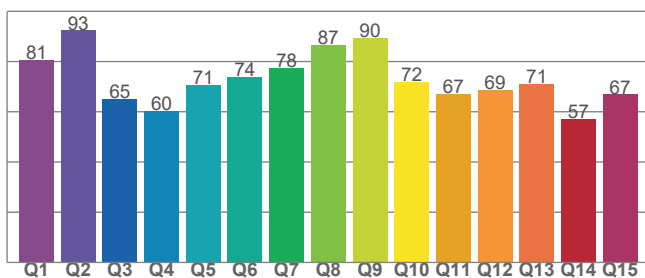


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6863 K	0.307	0.327

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0021	0.327	0.194

CQS: 71.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.7	-31.6	71.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
52	73.3	94.6

# Photometric & Chromaticity Report

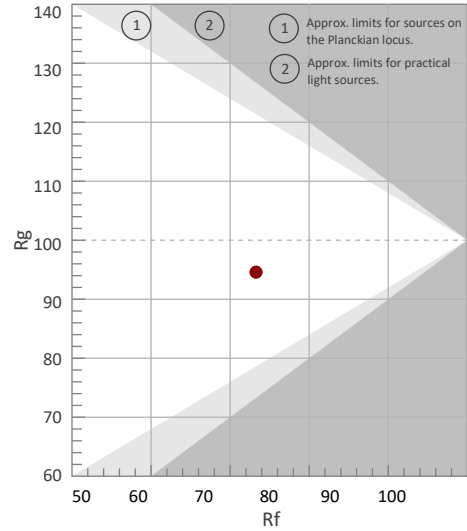
Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full

## TM-30 Details

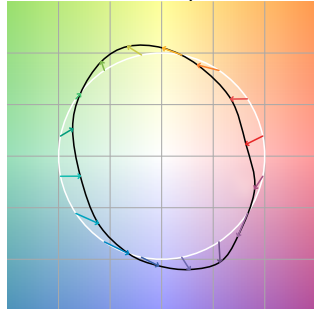
**Rf 73.3**  
Fidelity Index  
(Rg)

**Rg 94.6**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-13%	9%
3	67	-7%	20%
4	69	3%	19%
5	75	11%	11%
6	85	9%	-2%
7	91	-1%	-7%
8	77	-10%	-9%
9	78	-19%	4%
10	65	-13%	20%
11	54	-4%	26%
12	73	5%	18%
13	81	13%	5%
14	77	17%	-10%
15	70	5%	-24%
16	76	-5%	-13%



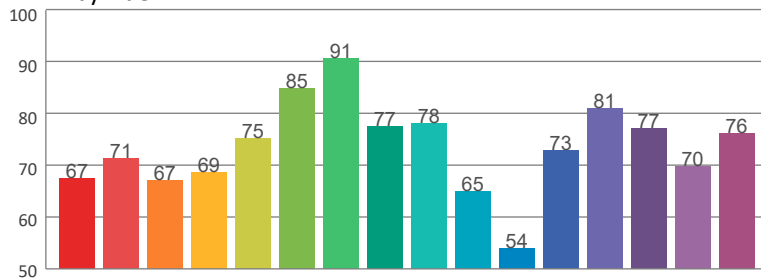
Color Vector Graphic



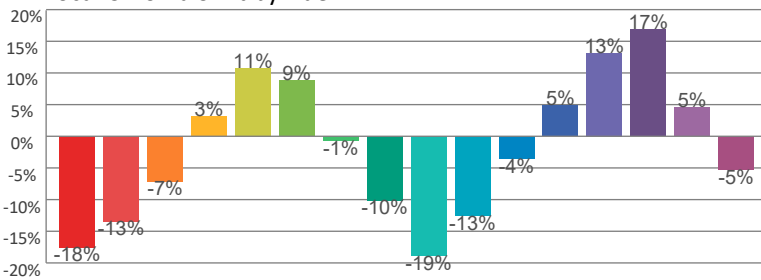
Color Distortion Graphic



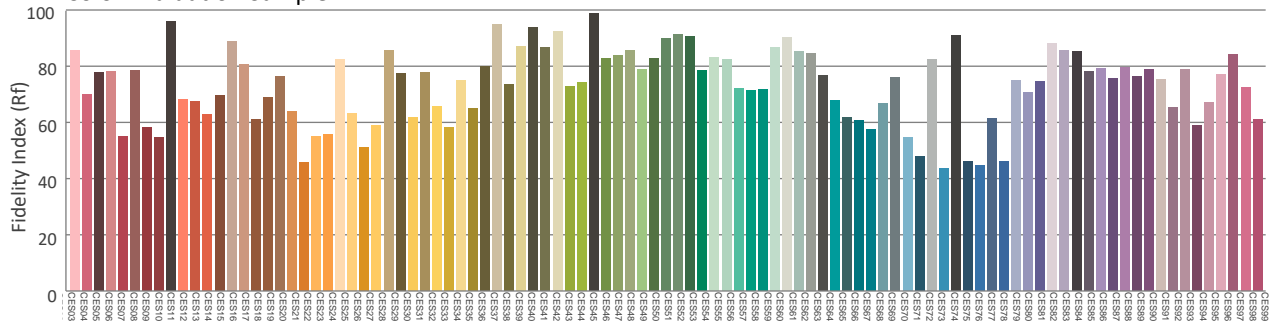
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full - Stable

## Report Summary

### Measurements

Fixture Output: 36462 lm  
Fixture Peak: 3186103 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 127444 lux  
Color Temperature: 6846 K  
CRI: 71.9      CRI R9 Value: -31.2  
CQS: 71.7  
TLCI: 52  
TM-30 Rf: 73.6  
TM-30 Rg: 94.4  
Beam Angle (50%): 6.6°  
Field Angle (10%): 8.8°  
Cutoff Angle (3%): 9.2°

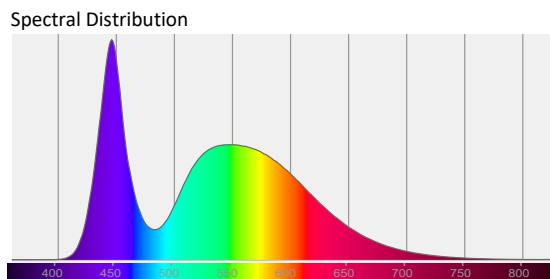
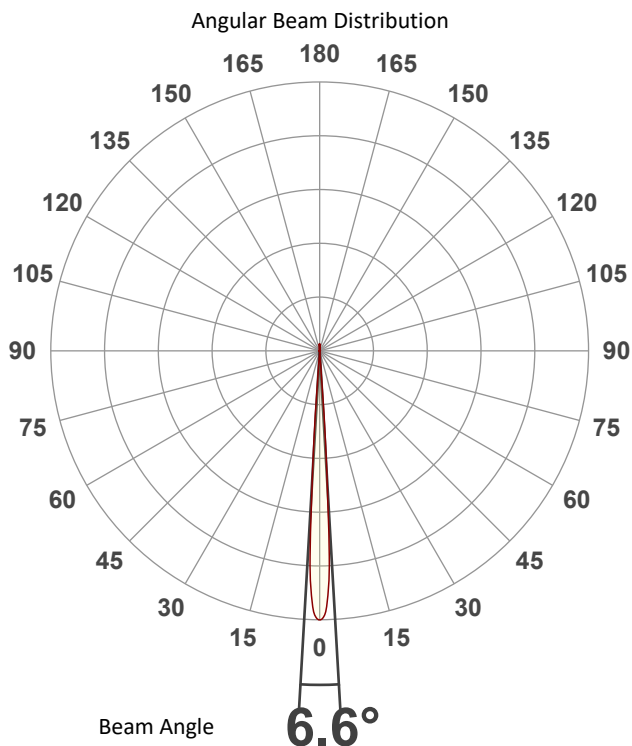


### Conditions

AC Supply: 116 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

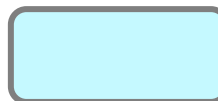
## Overall Measurement



Tested Color (CIE 1931):

X: 0.307

Y: 0.328



Light Quality

CRI: 71.9

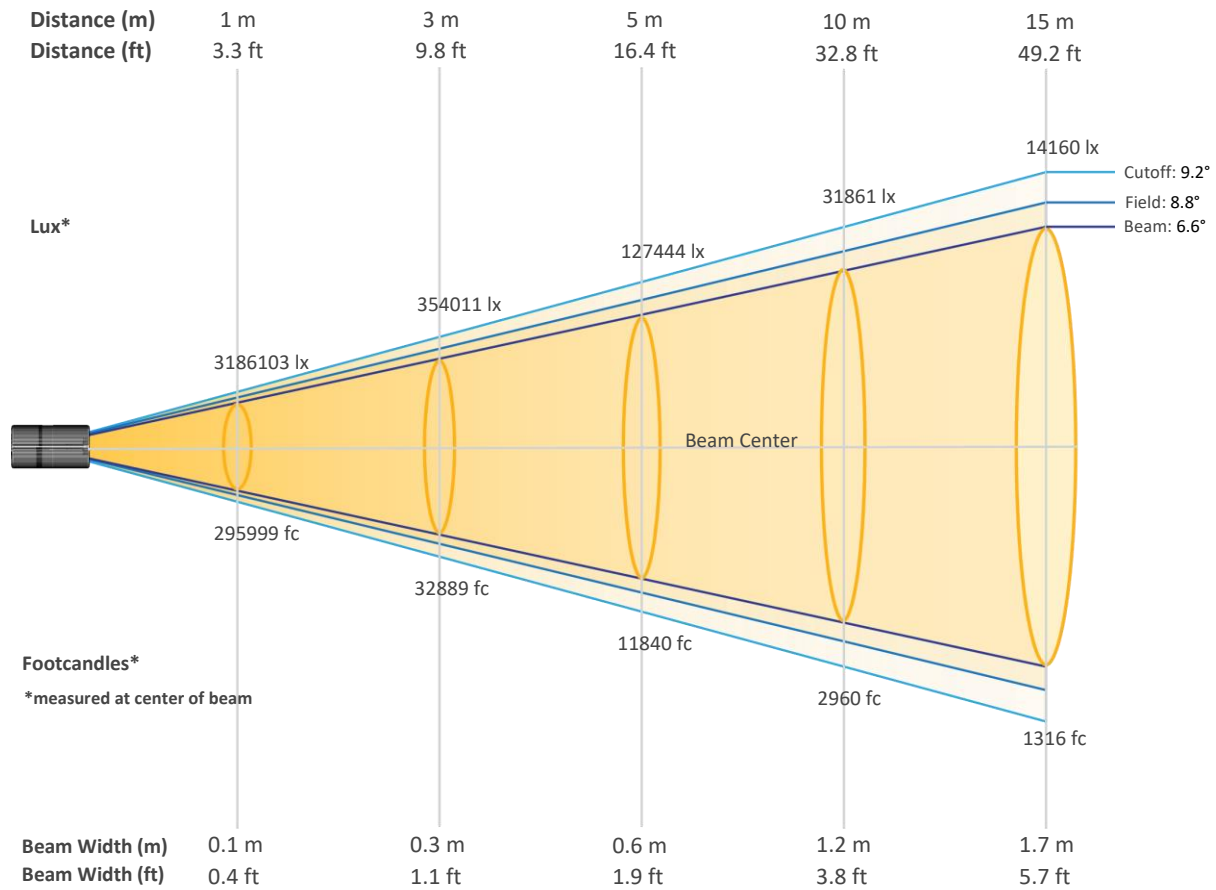
Color Temperature

6846 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full - Stable

## Beam Details

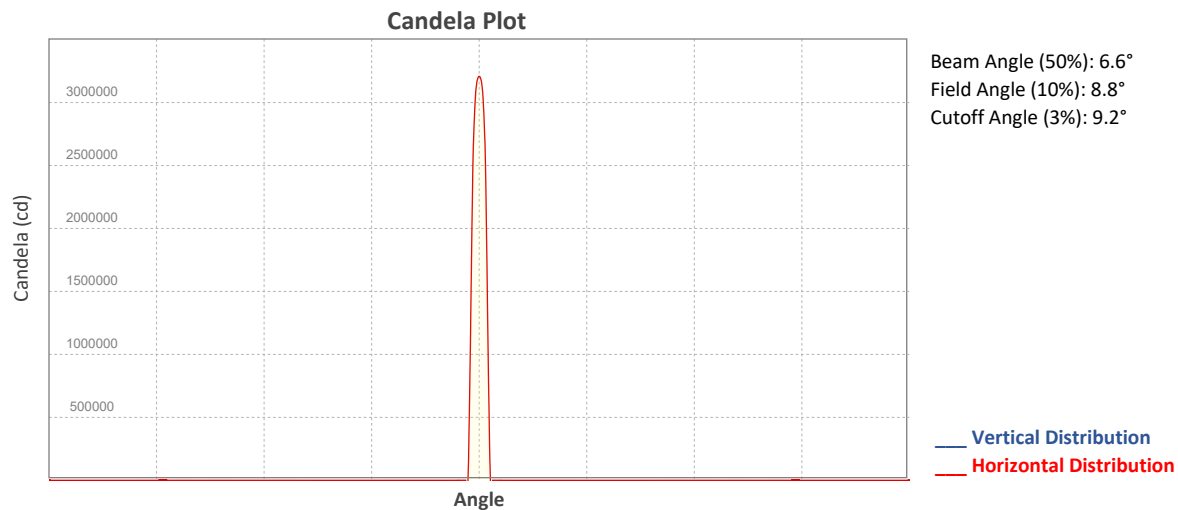


### Beam Intensities from 1-20m (3.3-65.6ft)

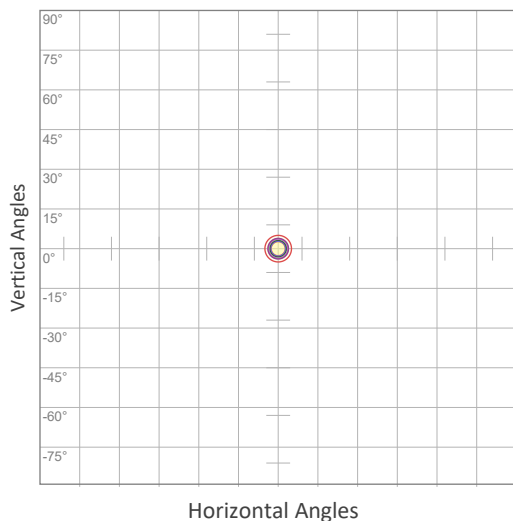
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3186103	796526	354011	199131	127444	88503	65023	49783	39335	31861
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	26331	22126	18853	16256	14160	12446	11025	9834	8826	7965
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	295999	74000	32889	18500	11840	8222	6041	4625	3654	2960
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2446	2056	1751	1510	1316	1156	1024	914	820	740

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full - Stable



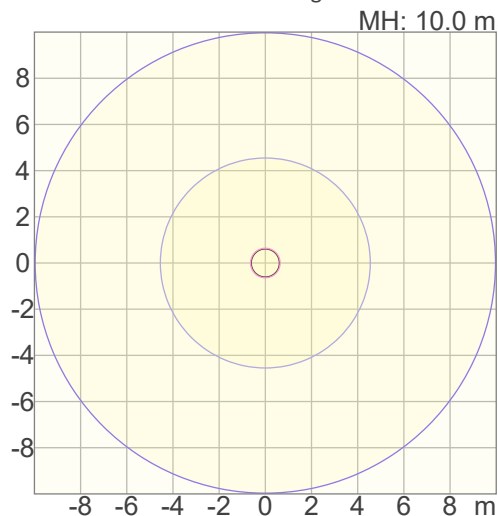
## ISO Diagrams



**ISO Candela Diagram**

10%	318610 cd
20%	637221 cd
30%	955831 cd
40%	1274441 cd
50%	1593052 cd
60%	1911662 cd
70%	2230272 cd
80%	2548883 cd
90%	2867493 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 3186103 cd



**ISO Lux Diagram**

3%	956 lx
5%	1593 lx
10%	3186 lx
30%	9558 lx
50%	15.9K lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 31.9K lx

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

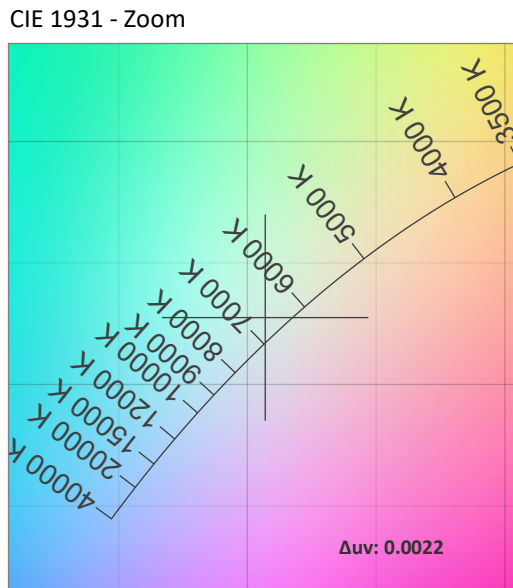
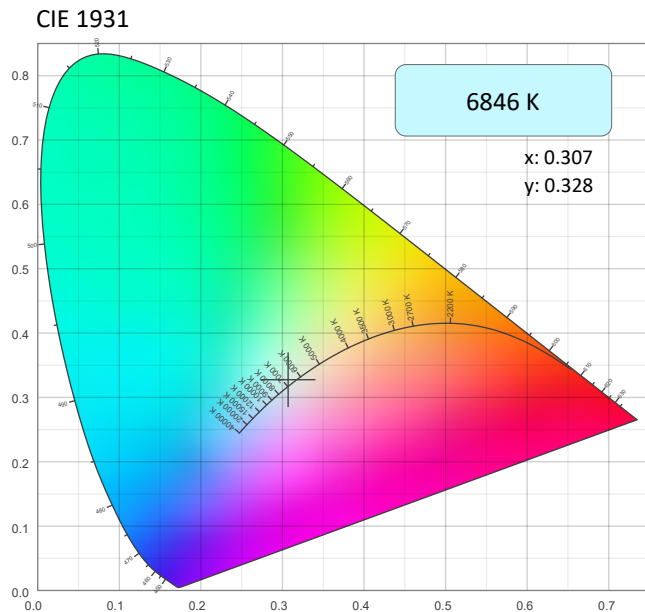
Mounting height: 10 meters / 33 feet



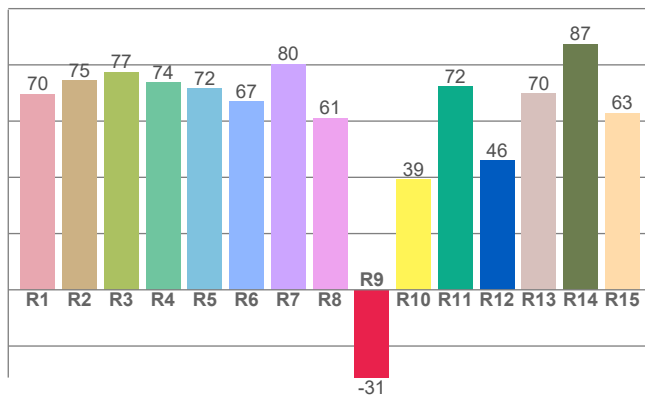
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full - Stable

## Chromaticity



CRI: 71.9 (R1-R8)

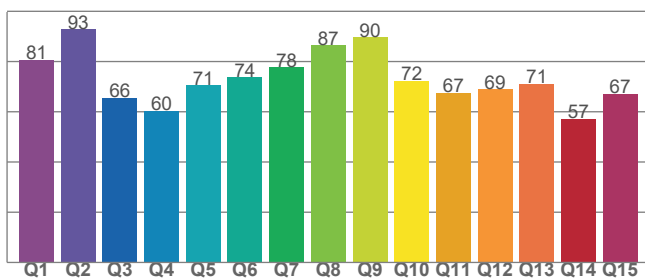


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6846 K	0.307	0.328

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0022	0.328	0.194

CQS: 71.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.9	-31.2	71.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
52	73.6	94.4

# Photometric & Chromaticity Report

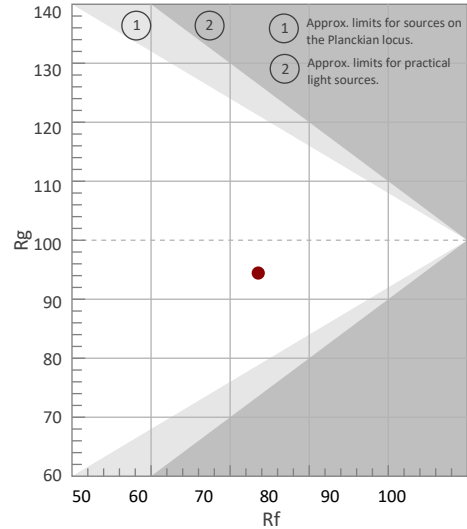
Maverick Storm 4 Profile: Full Spot - Full Power - Fans at Full - Stable

## TM-30 Details

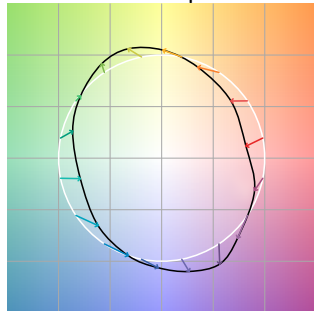
**Rf 73.6**  
Fidelity Index (Rg)

**Rg 94.4**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-13%	9%
3	67	-7%	20%
4	69	3%	19%
5	76	10%	11%
6	85	8%	-2%
7	91	-1%	-6%
8	78	-10%	-9%
9	78	-19%	4%
10	65	-12%	20%
11	55	-3%	25%
12	73	5%	17%
13	81	13%	5%
14	77	17%	-10%
15	70	4%	-24%
16	76	-6%	-13%



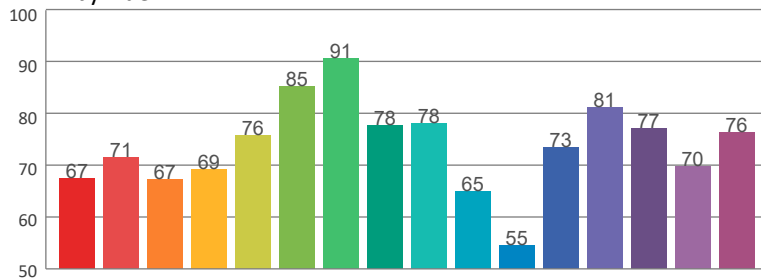
Color Vector Graphic



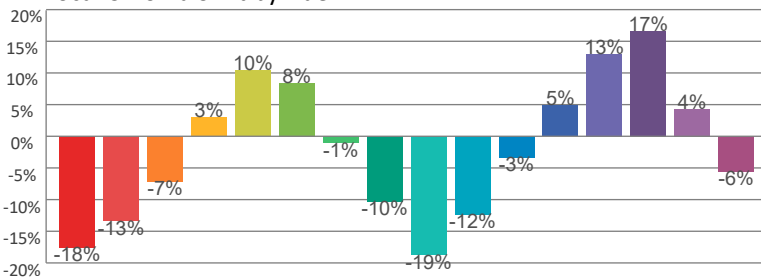
Color Distortion Graphic



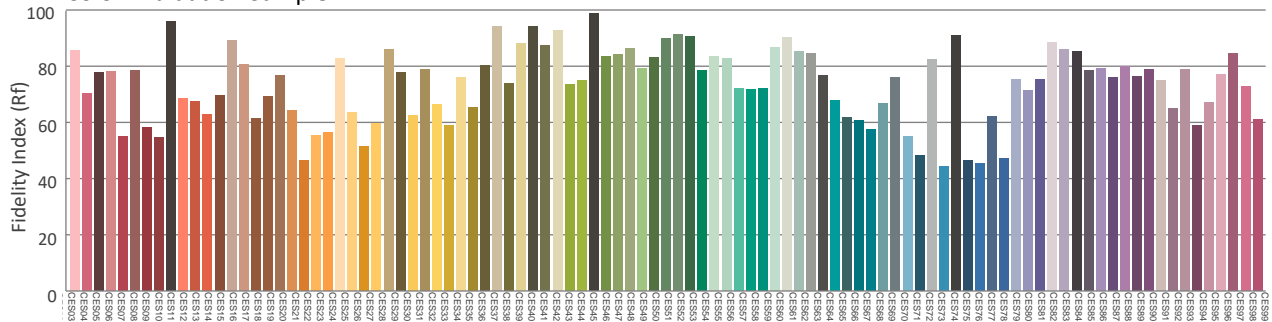
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to Auto

## Report Summary

### Measurements

Fixture Output: 26678 lm  
Fixture Peak: 3290199 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 131608 lux  
Color Temperature: 6845 K  
CRI: 71.8      CRI R9 Value: -31.3  
CQS: 71.6  
TLCI: 52  
TM-30 Rf: 73.4  
TM-30 Rg: 94.6  
Beam Angle (50%): 5.6°  
Field Angle (10%): 7.2°  
Cutoff Angle (3%): 7.8°

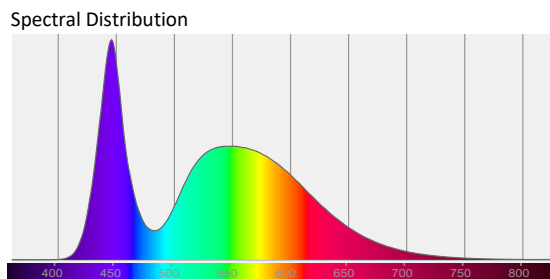
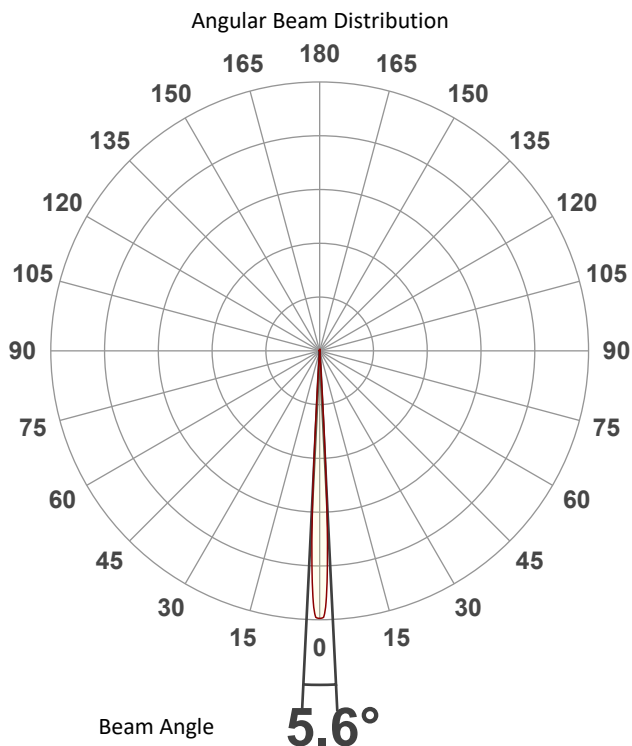


### Conditions

AC Supply: 115 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

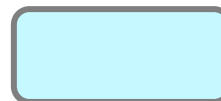
## Overall Measurement



Tested Color (CIE 1931):

X: 0.307

Y: 0.327



Light Quality

CRI: 71.8

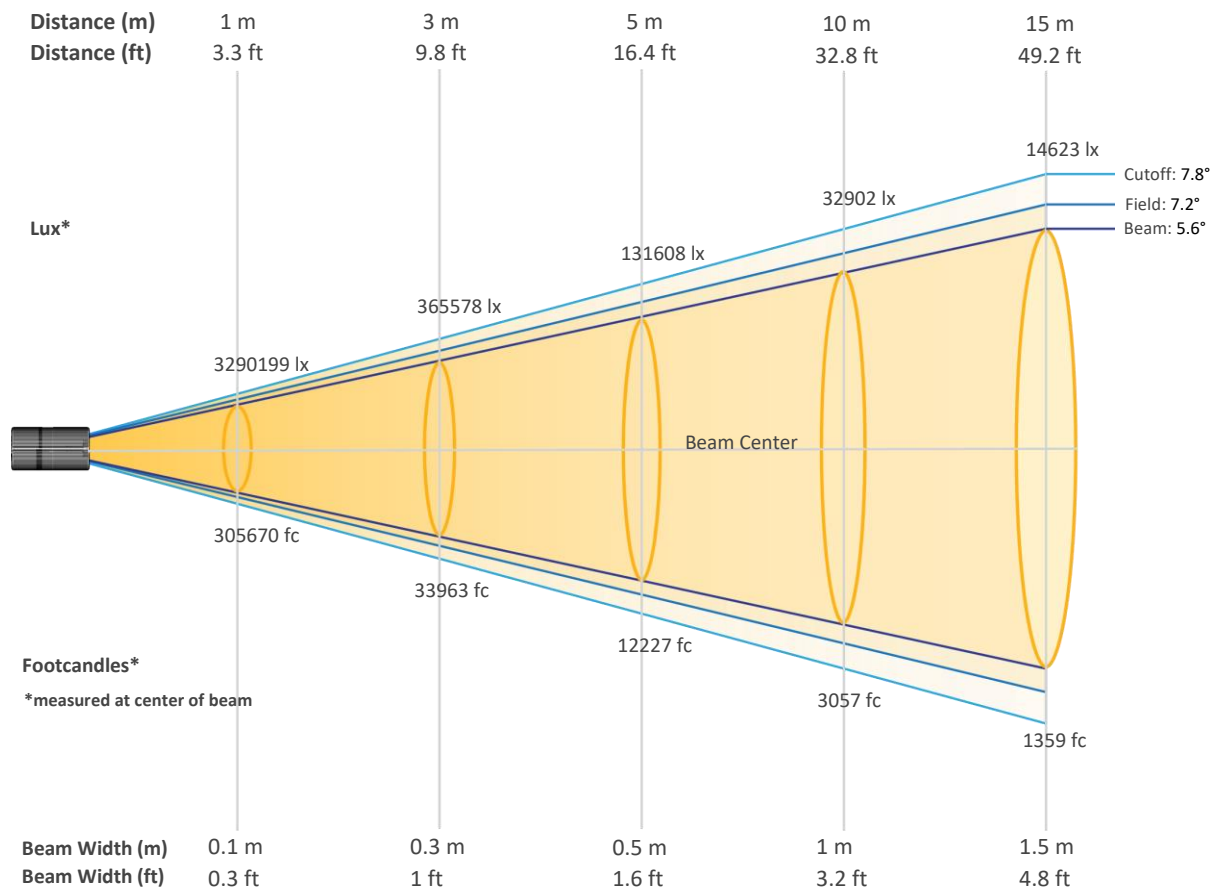
Color Temperature

6845 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to Auto

## Beam Details

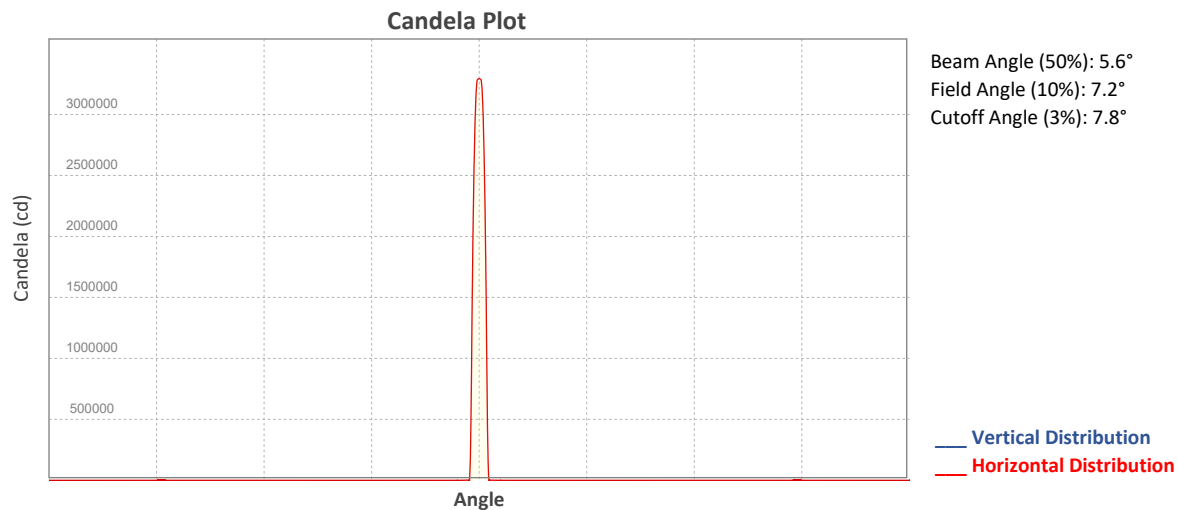


### Beam Intensities from 1-20m (3.3-65.6ft)

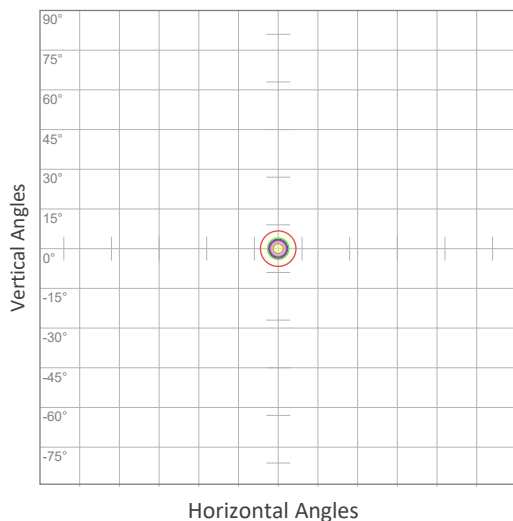
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3290199	822550	365578	205637	131608	91394	67147	51409	40620	32902
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	27192	22849	19469	16787	14623	12852	11385	10155	9114	8225
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	305670	76417	33963	19104	12227	8491	6238	4776	3774	3057
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2526	2123	1809	1560	1359	1194	1058	943	847	764

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to Auto



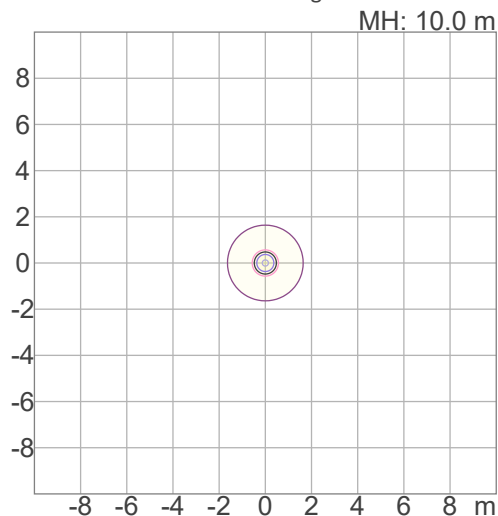
## ISO Diagrams



ISO Candela Diagram

10%	329020 cd
20%	658040 cd
30%	987060 cd
40%	1316080 cd
50%	1645100 cd
60%	1974119 cd
70%	2303139 cd
80%	2632159 cd
90%	2961179 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 3290199 cd



ISO Lux Diagram

3%	987 lx
5%	1645 lx
10%	3290 lx
30%	9871 lx
50%	16.5K lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 32.9K lx

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

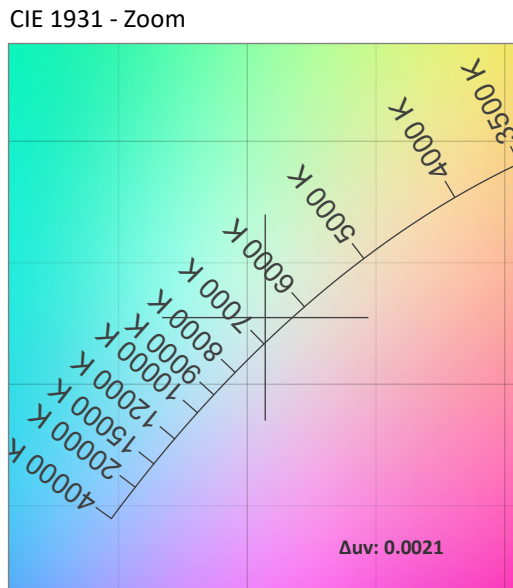
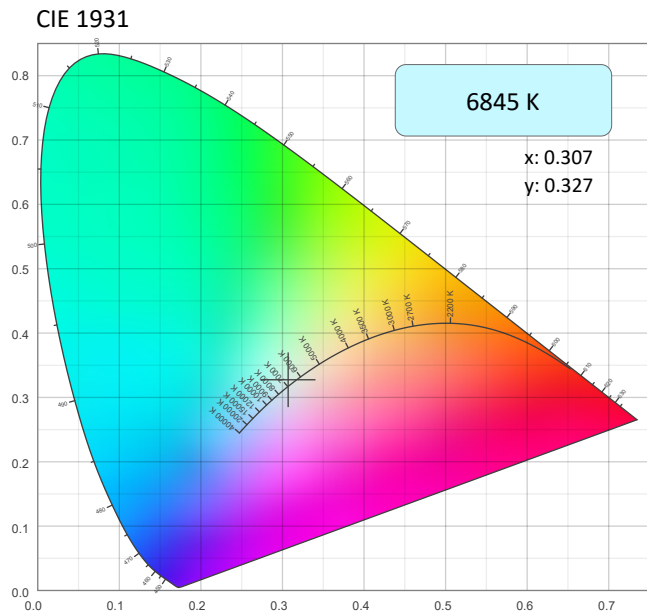
Mounting height: 10 meters / 33 feet



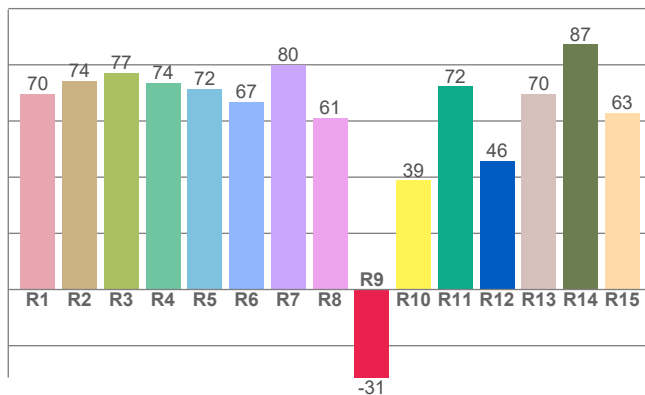
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to Auto

## Chromaticity



CRI: 71.8 (R1-R8)

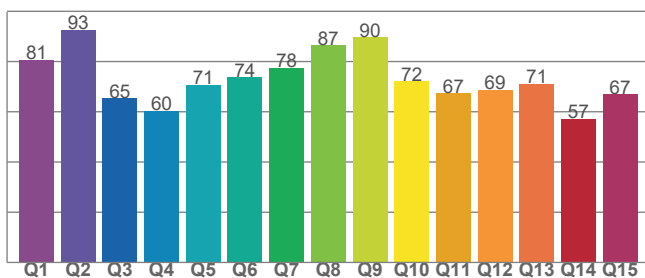


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6845 K	0.307	0.327

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
0.0021	0.327	0.194

CQS: 71.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.8	-31.3	71.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
52	73.4	94.6

# Photometric & Chromaticity Report

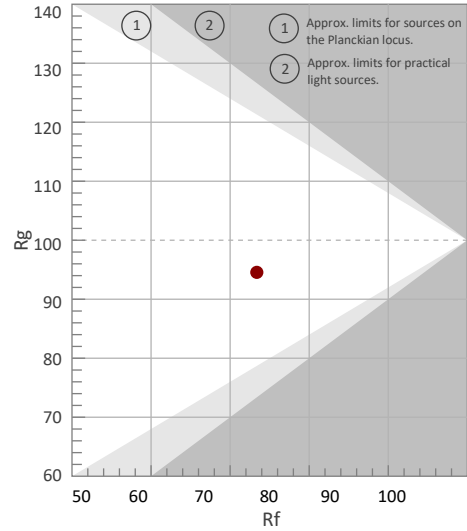
Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to Auto

## TM-30 Details

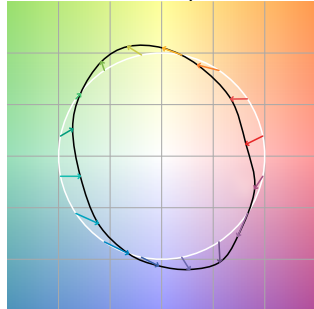
**Rf 73.4**  
Fidelity Index (Rg)

**Rg 94.6**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-13%	9%
3	67	-7%	20%
4	69	3%	19%
5	75	11%	11%
6	85	9%	-2%
7	91	-1%	-6%
8	78	-10%	-9%
9	78	-19%	4%
10	65	-13%	20%
11	54	-4%	26%
12	73	5%	18%
13	81	13%	5%
14	77	17%	-10%
15	70	5%	-24%
16	76	-5%	-13%



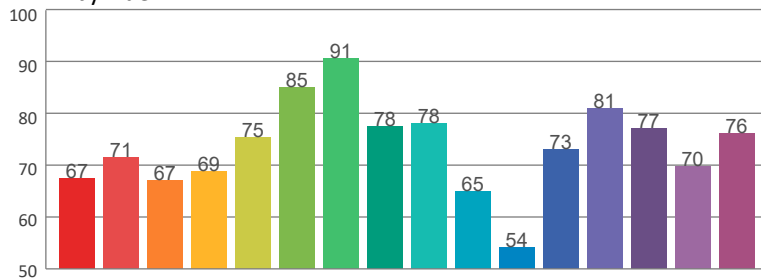
Color Vector Graphic



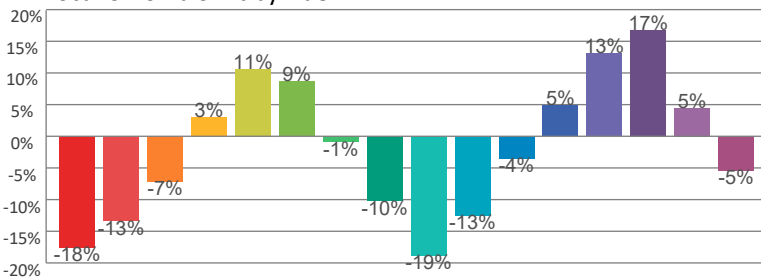
Color Distortion Graphic



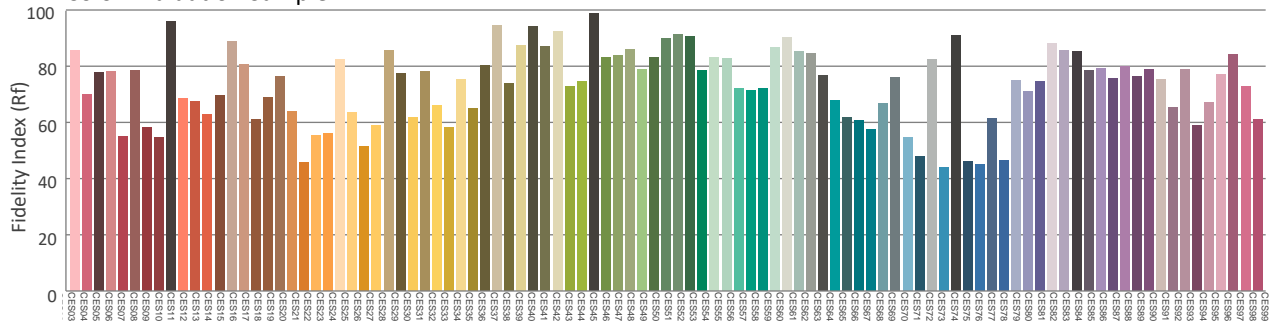
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to ECO

## Report Summary

### Measurements

Fixture Output: 26819 lm  
Fixture Peak: 3079955 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 123198 lux  
Color Temperature: 6870 K  
CRI: 71.8      CRI R9 Value: -31.2  
CQS: 71.6  
TLCI: 52  
TM-30 Rf: 73.4  
TM-30 Rg: 94.5  
Beam Angle (50%): 5.9°  
Field Angle (10%): 7.4°  
Cutoff Angle (3%): 8.1°

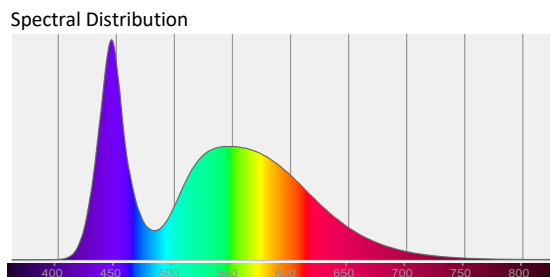
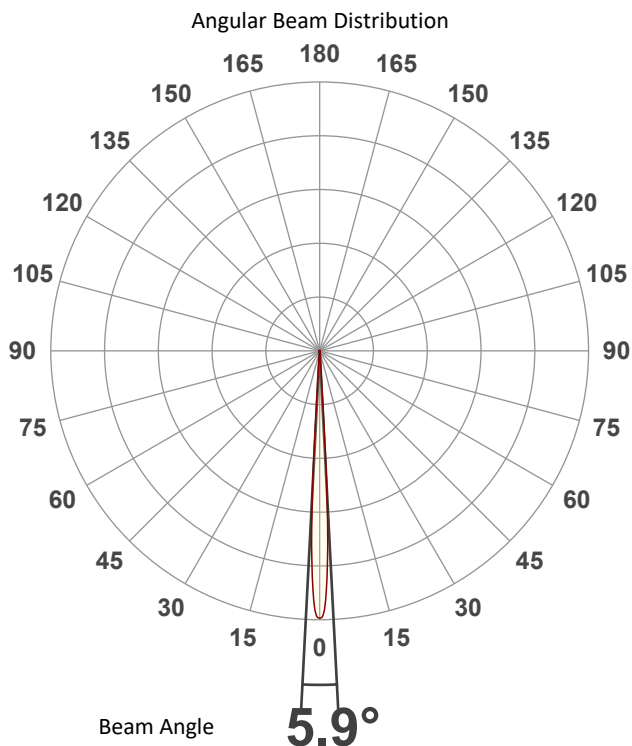


### Conditions

AC Supply: 116 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

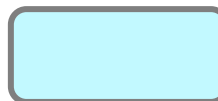
## Overall Measurement



Tested Color (CIE 1931):

X: 0.307

Y: 0.327



Light Quality

CRI: 71.8

Color Temperature

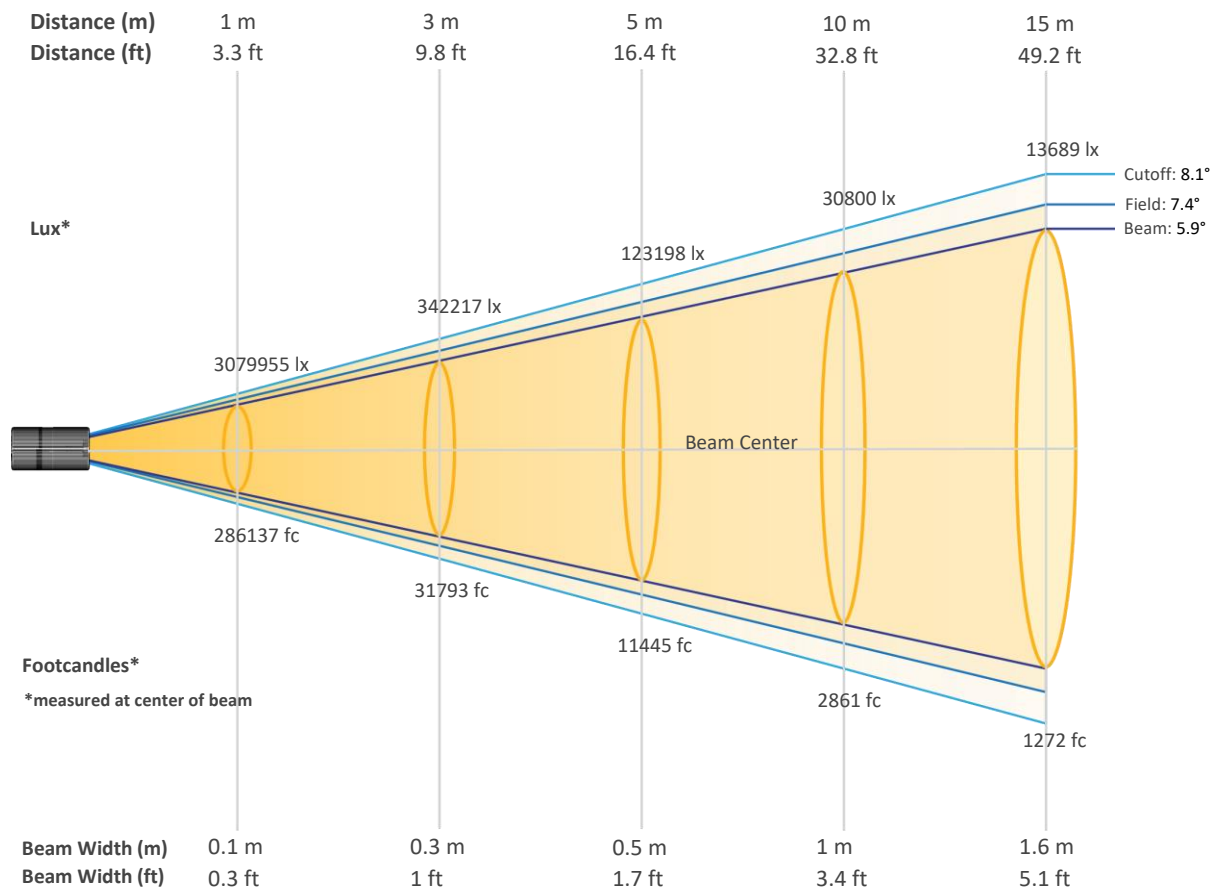
6870 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to ECO

## Beam Details

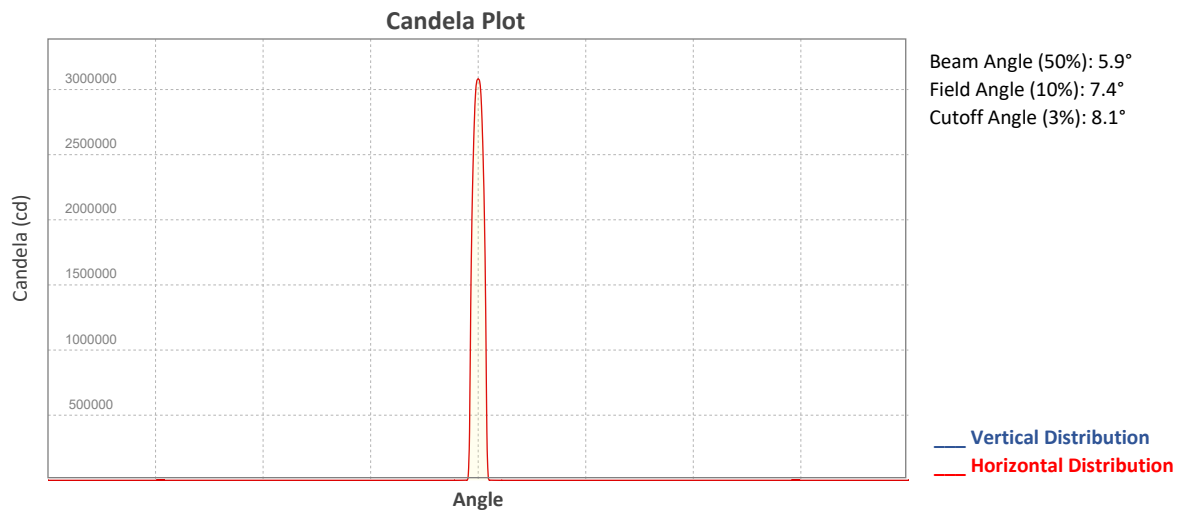


## Beam Intensities from 1-20m (3.3-65.6ft)

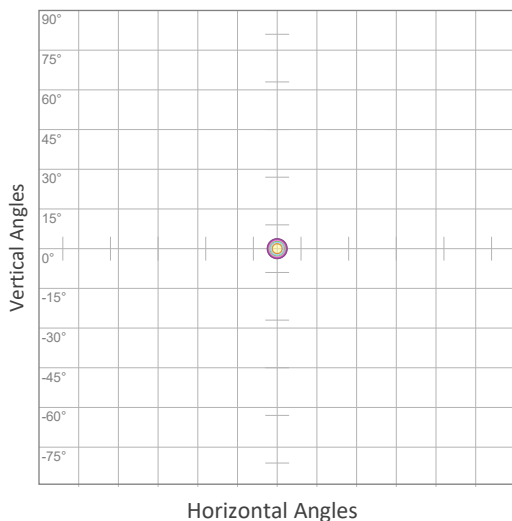
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3079955	769989	342217	192497	123198	85554	62856	48124	38024	30800
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	25454	21389	18225	15714	13689	12031	10657	9506	8532	7700
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	286137	71534	31793	17884	11445	7948	5840	4471	3533	2861
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	2365	1987	1693	1460	1272	1118	990	883	793	715

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to ECO



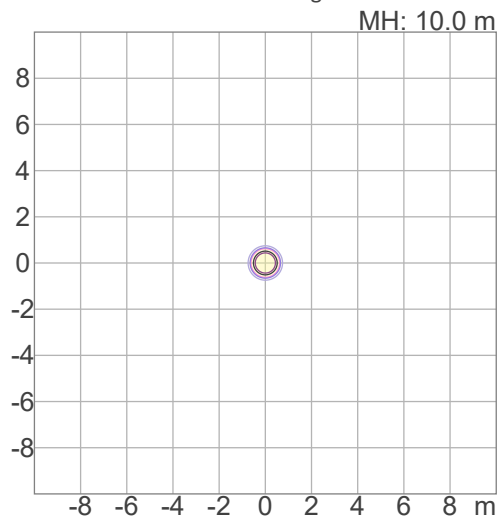
## ISO Diagrams



ISO Candela Diagram

10%	307995 cd
20%	615991 cd
30%	923986 cd
40%	1231982 cd
50%	1539977 cd
60%	1847973 cd
70%	2155968 cd
80%	2463964 cd
90%	2771959 cd

**Conditions:**  
Number of c-planes: 2  
Candela at center: 307995 cd



ISO Lux Diagram

3%	924 lx
5%	1540 lx
10%	3080 lx
30%	9240 lx
50%	15.4K lx

**Conditions:**  
Number of c-planes: 2  
Candela at center: 30.8K lx

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

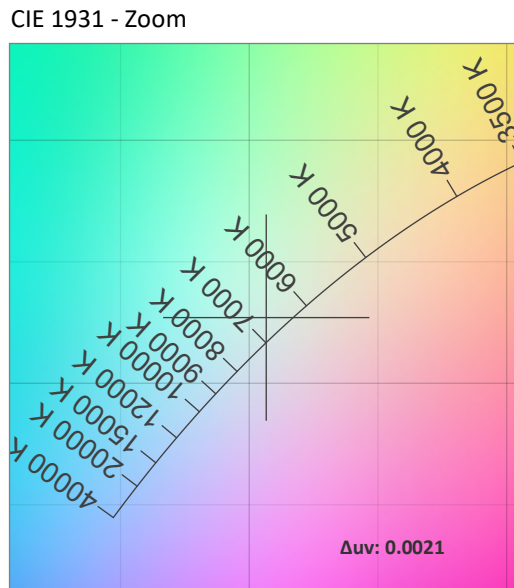
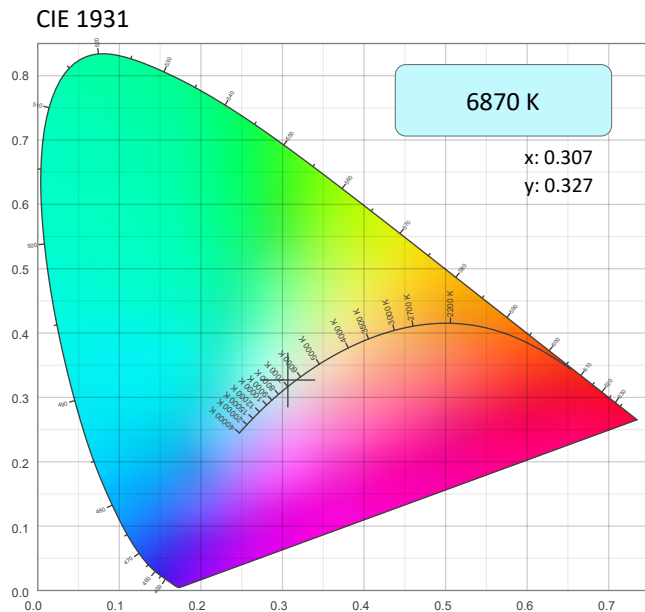
Mounting height: 10 meters / 33 feet



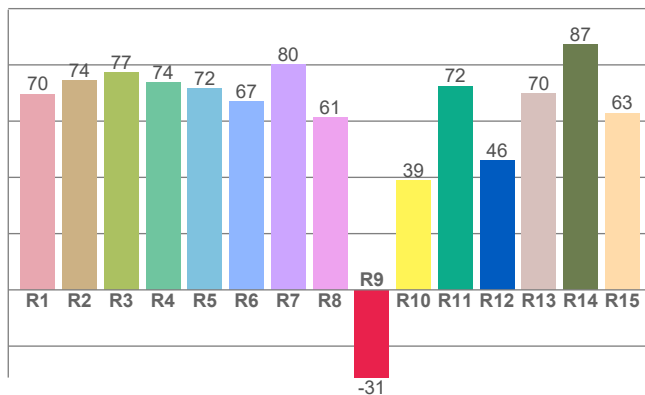
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to ECO

## Chromaticity



CRI: 71.8 (R1-R8)

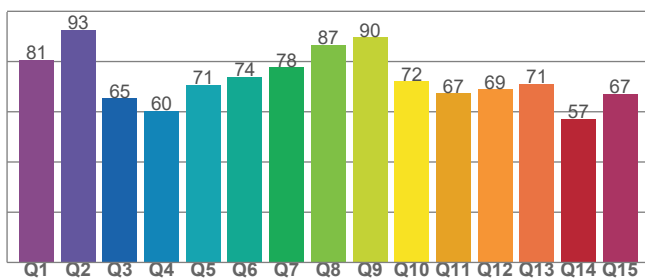


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6870 K	0.307	0.327

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0021	0.327	0.194

CQS: 71.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.8	-31.2	71.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
52	73.4	94.5

# Photometric & Chromaticity Report

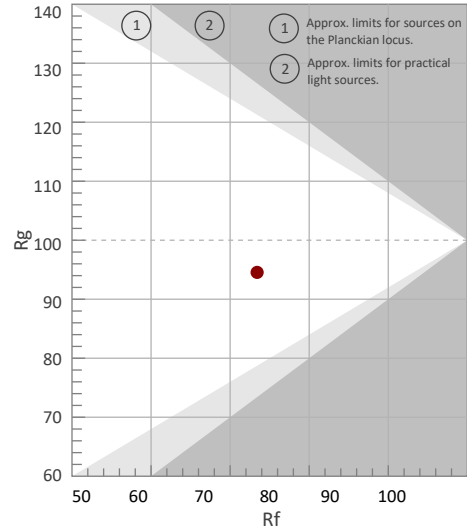
Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to ECO

## TM-30 Details

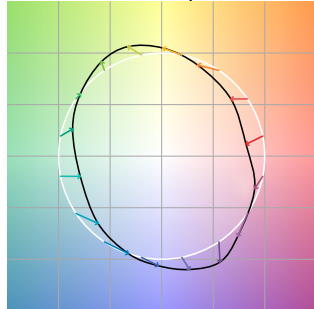
**Rf 73.4**  
Fidelity Index (Rg)

**Rg 94.5**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-13%	9%
3	67	-7%	20%
4	69	3%	19%
5	75	11%	11%
6	85	9%	-2%
7	91	-1%	-6%
8	78	-10%	-9%
9	78	-19%	4%
10	65	-12%	20%
11	54	-3%	26%
12	73	5%	17%
13	81	13%	5%
14	77	17%	-10%
15	70	5%	-24%
16	76	-5%	-13%



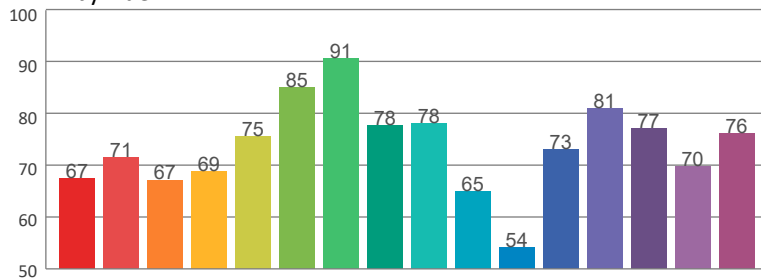
Color Vector Graphic



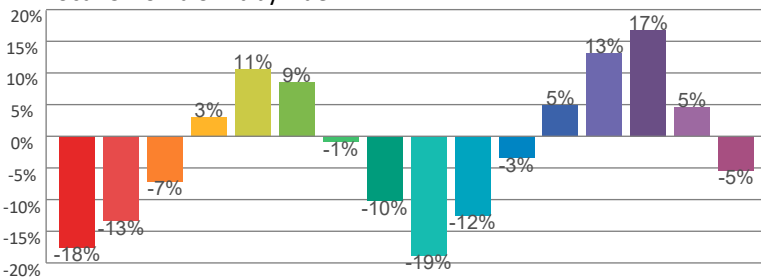
Color Distortion Graphic



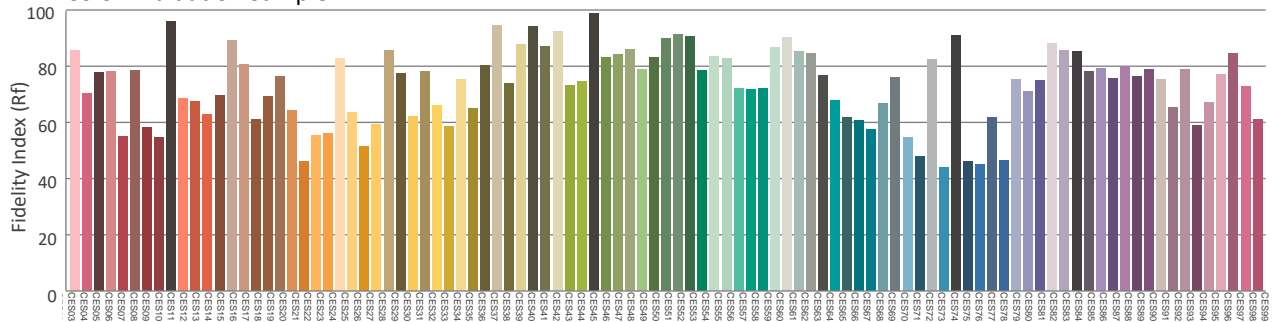
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV25

## Report Summary

### Measurements

Fixture Output: 22133 lm  
Fixture Peak: 2154241 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 86170 lux  
Color Temperature: 6774 K  
CRI: 71.2      CRI R9 Value: -33.7  
CQS: 71.5  
TLCI: 51  
TM-30 Rf: 73.0  
TM-30 Rg: 94.6  
Beam Angle (50%): 6.2°  
Field Angle (10%): 8.3°  
Cutoff Angle (3%): 9.6°

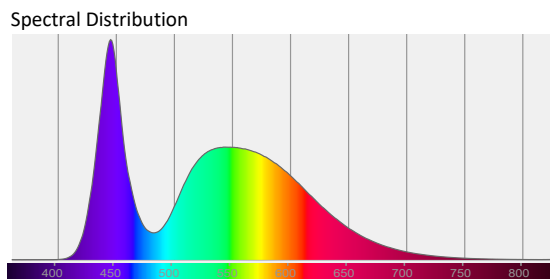
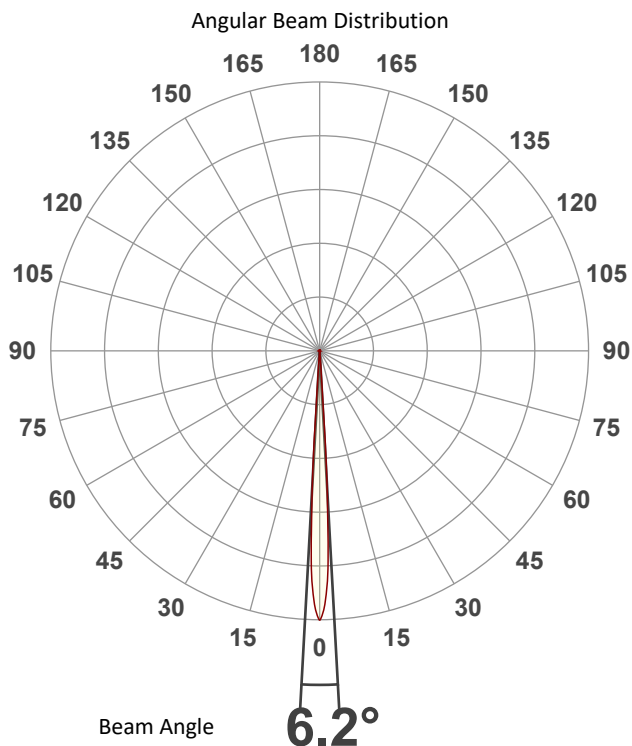


### Conditions

AC Supply: 117 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

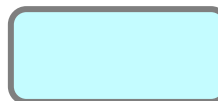
## Overall Measurement



Tested Color (CIE 1931):

X: 0.308

Y: 0.330



Light Quality

CRI: 71.2

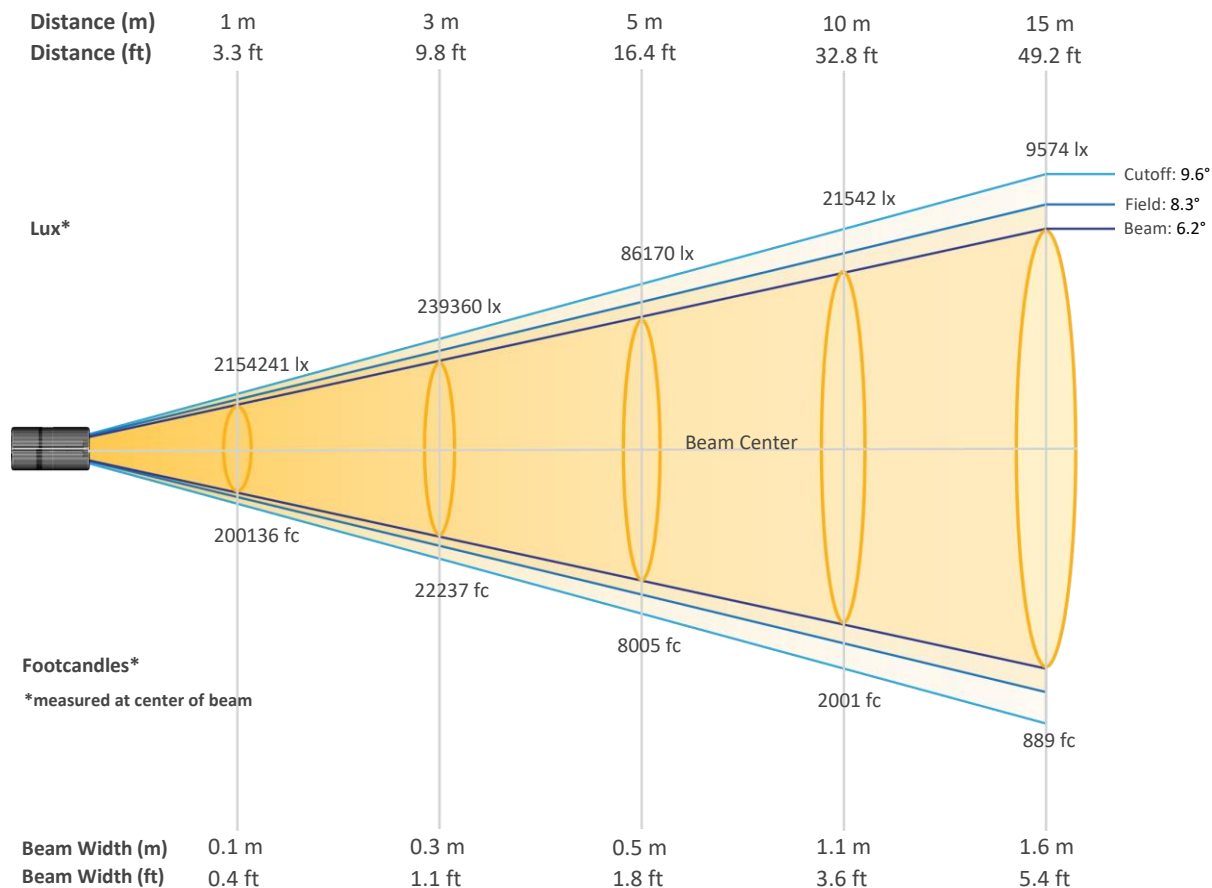
Color Temperature

6774 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV25

## Beam Details

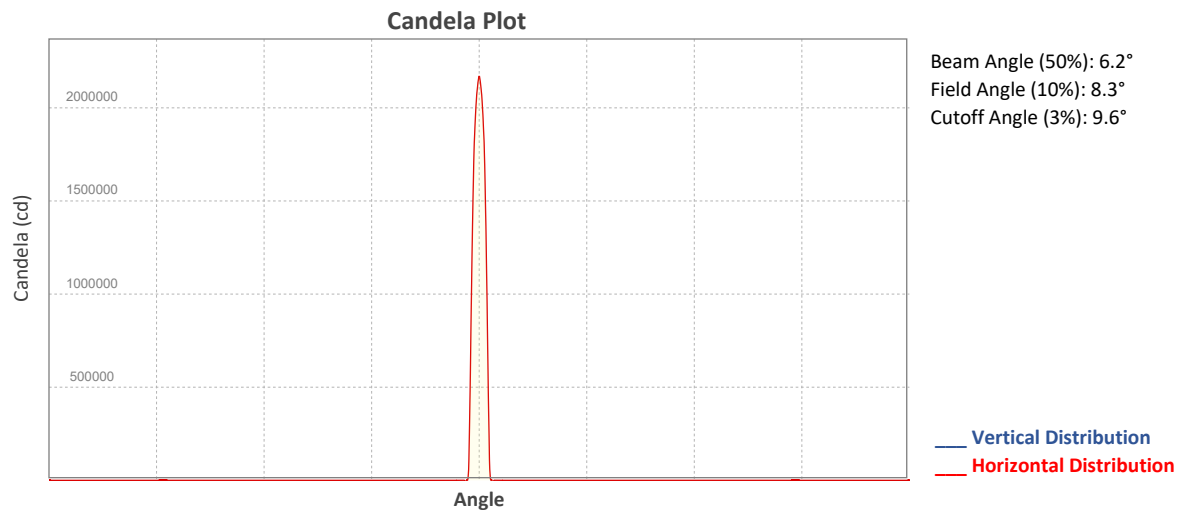


### Beam Intensities from 1-20m (3.3-65.6ft)

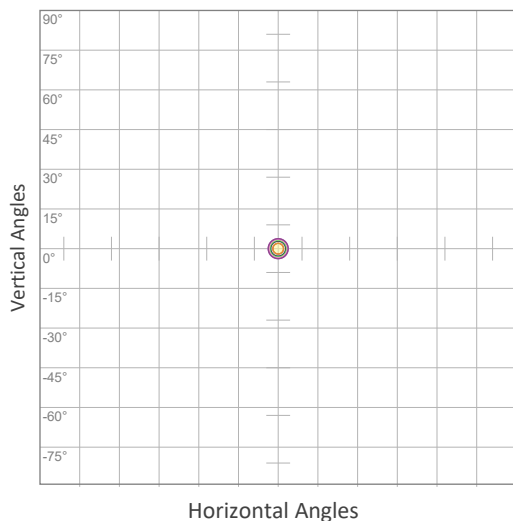
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	21542 41	538560	239360	134640	86170	59840	43964	33660	26596	21542
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	17804	14960	12747	10991	9574	8415	7454	6649	5967	5386
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	20013 6	50034	22237	12508	8005	5559	4084	3127	2471	2001
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1654	1390	1184	1021	889	782	693	618	554	500

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV25



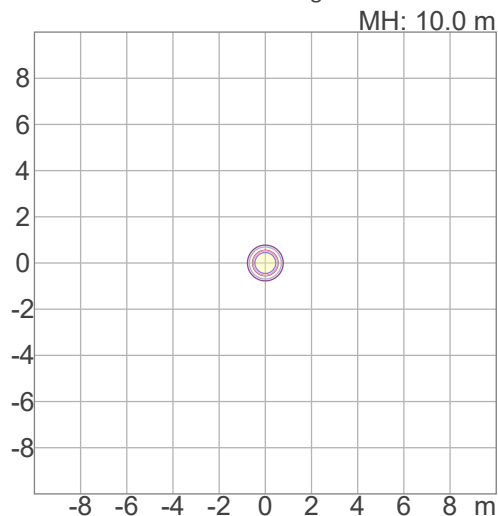
## ISO Diagrams



**ISO Candela Diagram**

10%	215424 cd
20%	430848 cd
30%	646272 cd
40%	861696 cd
50%	1077120 cd
60%	1292544 cd
70%	1507968 cd
80%	1723393 cd
90%	1938817 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 2154241 cd



**ISO Lux Diagram**

3%	646 lx
5%	1077 lx
10%	2154 lx
30%	6463 lx
50%	10.8K lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 21.5K lx

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

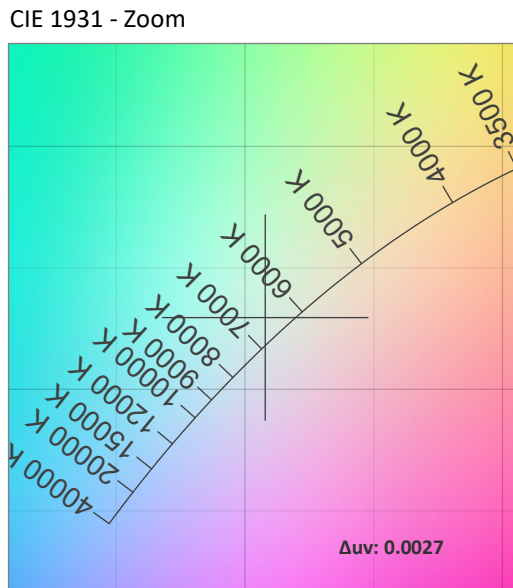
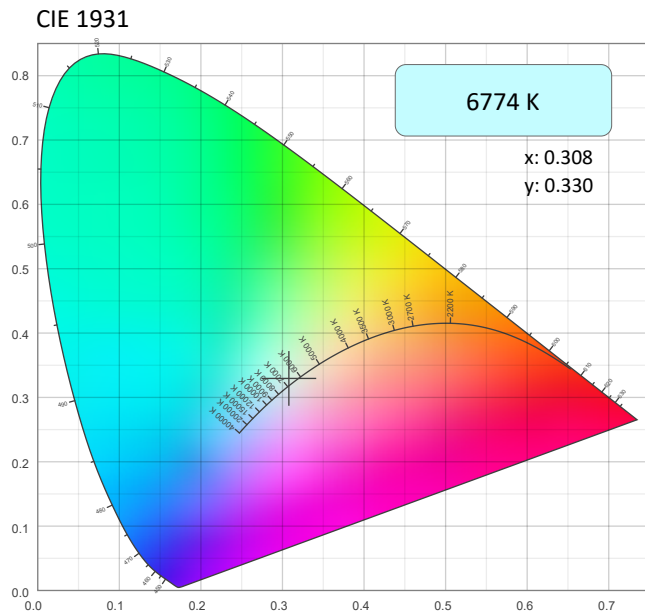
Mounting height: 10 meters / 33 feet



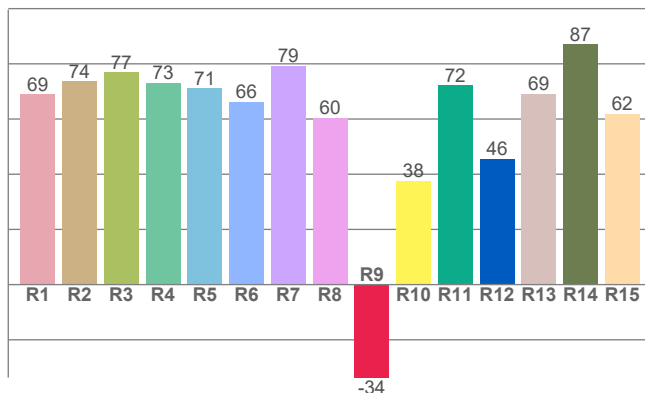
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV25

## Chromaticity



CRI: 71.2 (R1-R8)

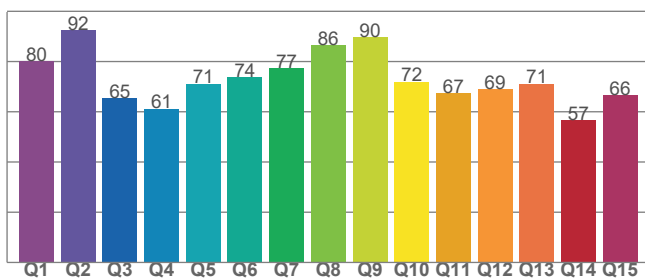


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6774 K	0.308	0.330

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0027	0.330	0.194

CQS: 71.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.2	-33.7	71.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
51	73.0	94.6



# Photometric & Chromaticity Report

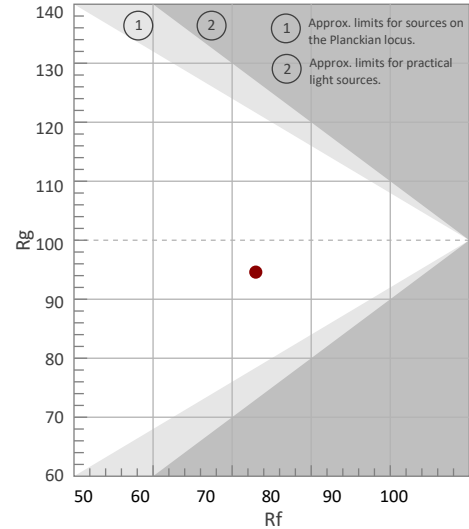
Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV25

## TM-30 Details

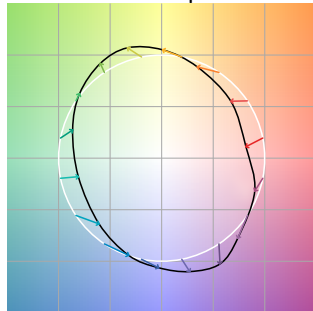
**Rf 73.0**  
Fidelity Index (Rg)

**Rg 94.6**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-14%	9%
3	67	-7%	20%
4	68	3%	20%
5	74	11%	12%
6	84	9%	-2%
7	88	1%	-8%
8	77	-10%	-10%
9	80	-17%	2%
10	65	-14%	19%
11	54	-4%	26%
12	73	5%	18%
13	81	13%	5%
14	77	17%	-10%
15	70	5%	-24%
16	76	-5%	-14%



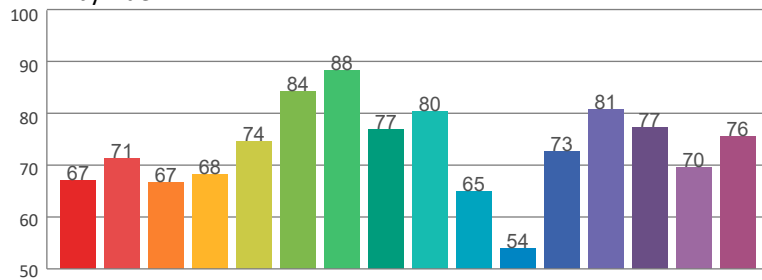
Color Vector Graphic



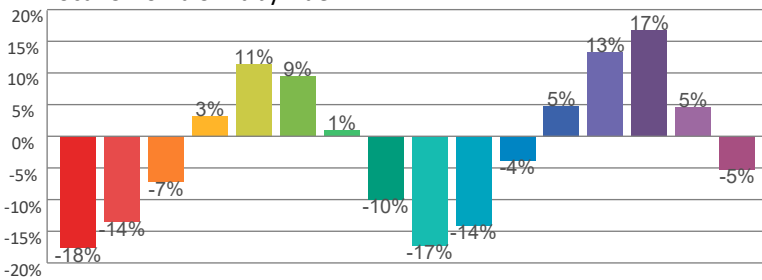
Color Distortion Graphic



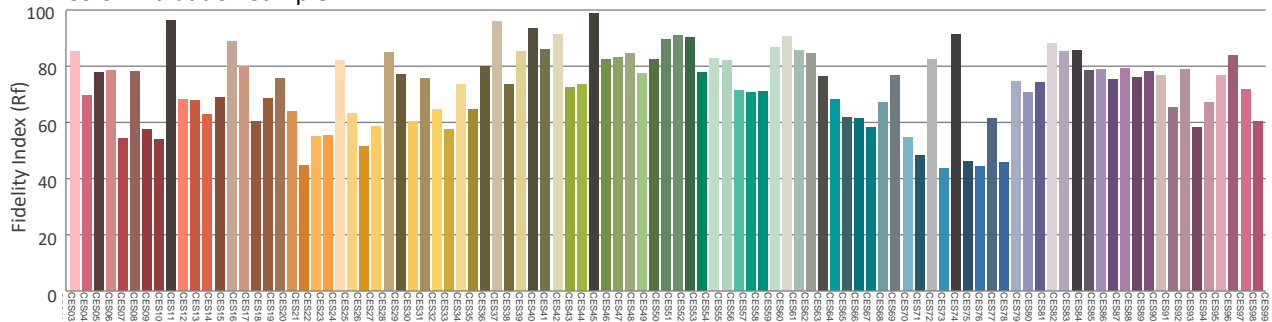
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV35

## Report Summary

### Measurements

Fixture Output: 13541 lm  
Fixture Peak: 1516537 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 60661 lux  
Color Temperature: 6720 K  
CRI: 70.9      CRI R9 Value: -34.9  
CQS: 71.6  
TLCI: 51  
TM-30 Rf: 72.9  
TM-30 Rg: 94.1  
Beam Angle (50%): 6.1°  
Field Angle (10%): 7.6°  
Cutoff Angle (3%): 8°

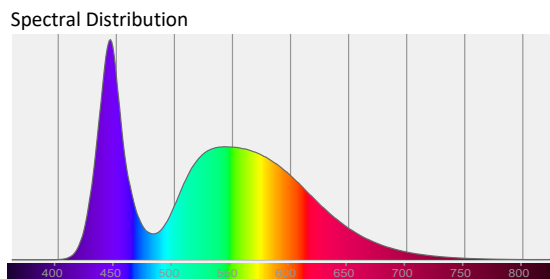
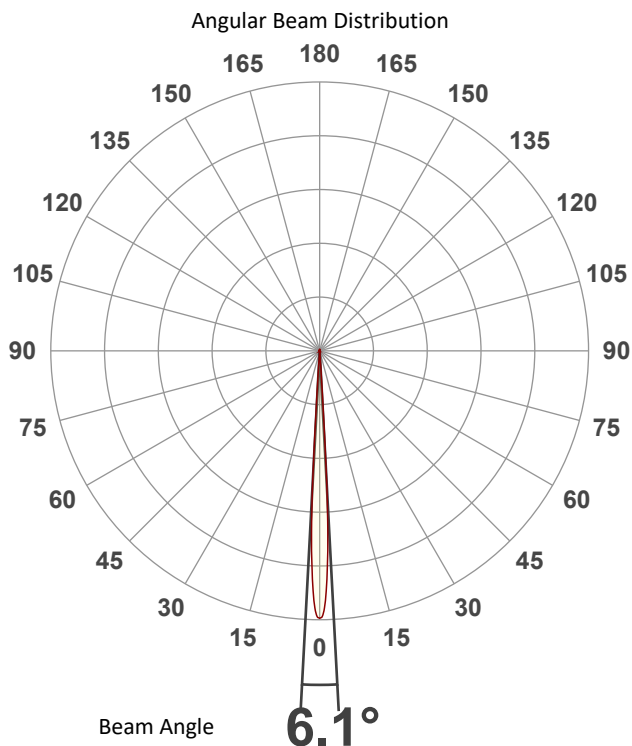


### Conditions

AC Supply: 118 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

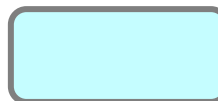
## Overall Measurement



Tested Color (CIE 1931):

X: 0.309

Y: 0.331



Light Quality

CRI: 70.9

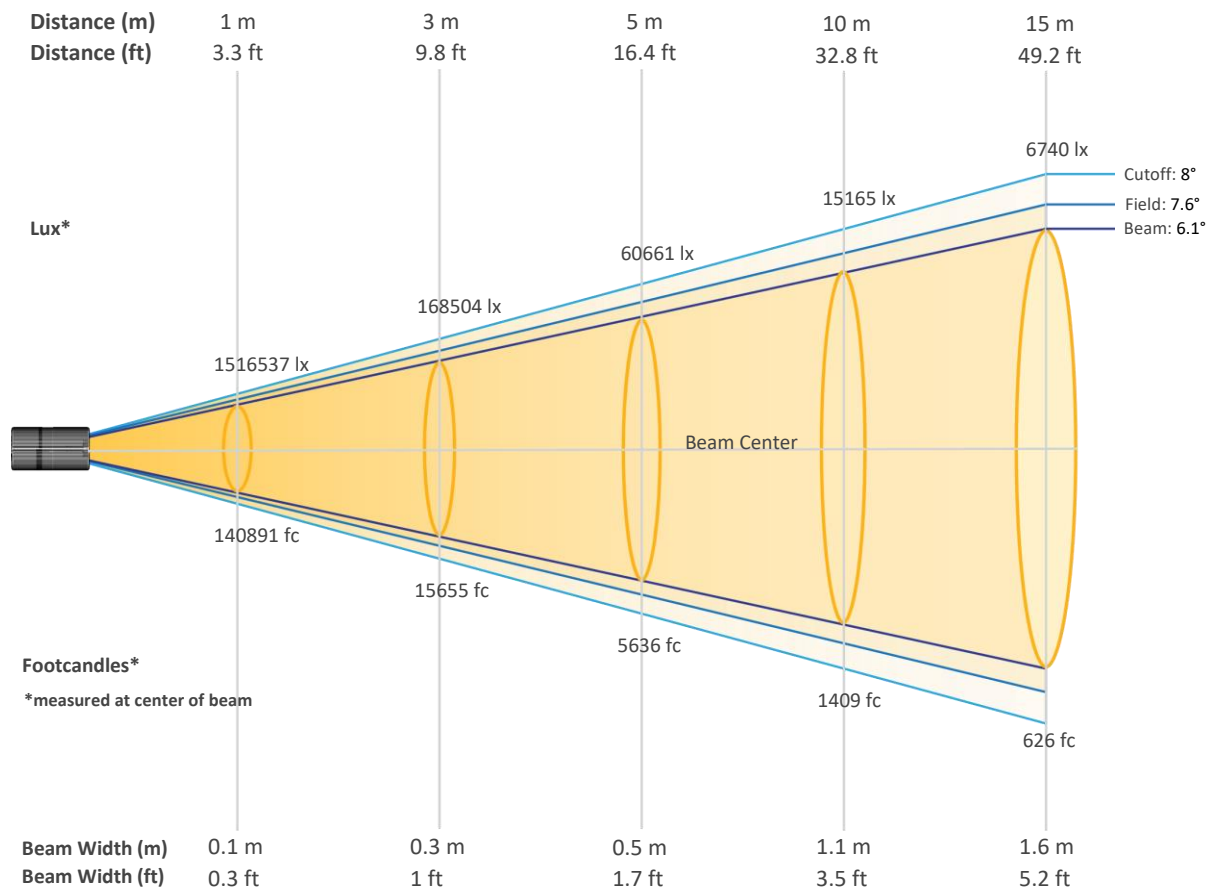
Color Temperature

6720 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV35

## Beam Details

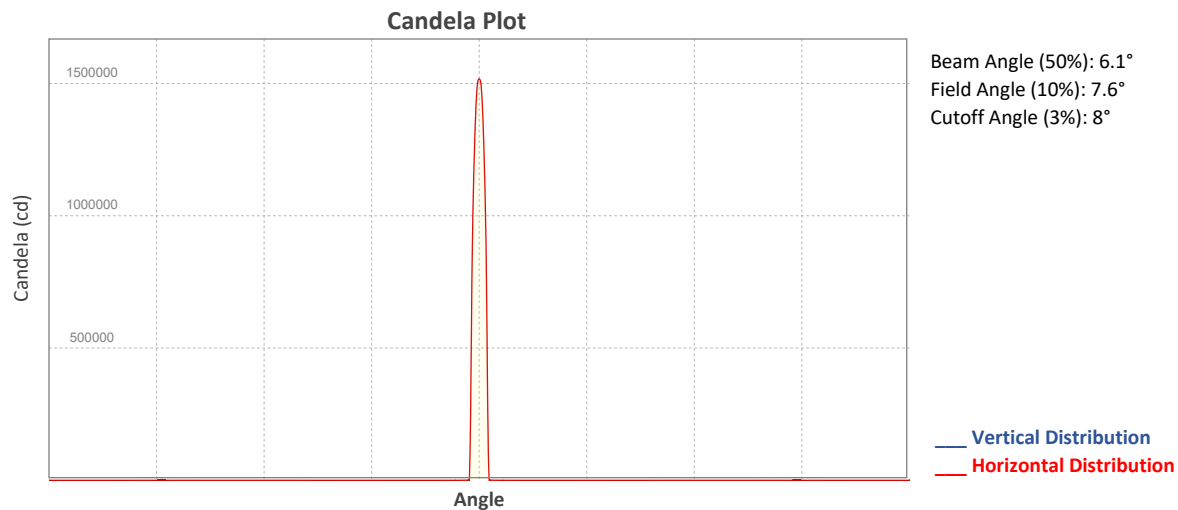


### Beam Intensities from 1-20m (3.3-65.6ft)

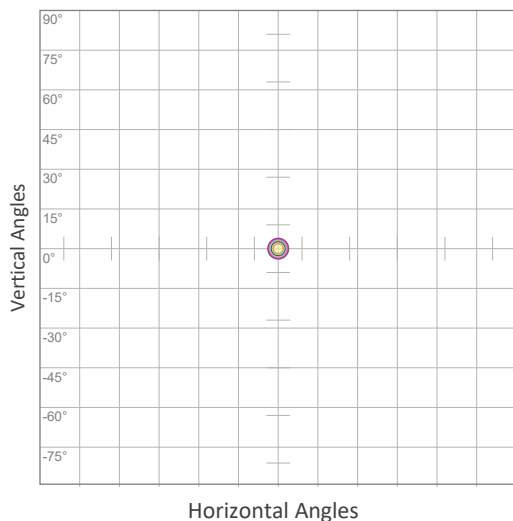
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	1516537	379134	168504	94784	60661	42126	30950	23696	18723	15165
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	12533	10532	8974	7737	6740	5924	5248	4681	4201	3791
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	140891	35223	15655	8806	5636	3914	2875	2201	1739	1409
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	1164	978	834	719	626	550	488	435	390	352

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV35



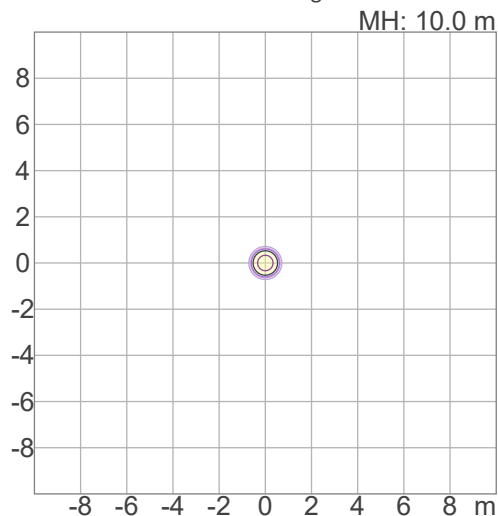
## ISO Diagrams



ISO Candela Diagram

10%	151654 cd
20%	303307 cd
30%	454961 cd
40%	606615 cd
50%	758269 cd
60%	909922 cd
70%	1061576 cd
80%	1213230 cd
90%	1364883 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 1516537 cd



ISO Lux Diagram

3%	455 lx
5%	758 lx
10%	1517 lx
30%	4550 lx
50%	7583 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 15.2K lx

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

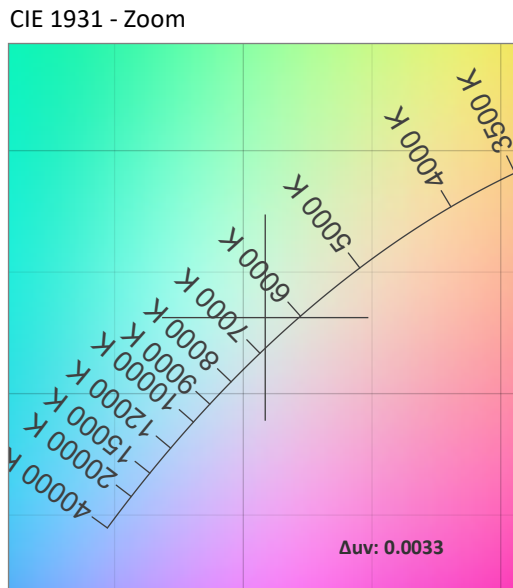
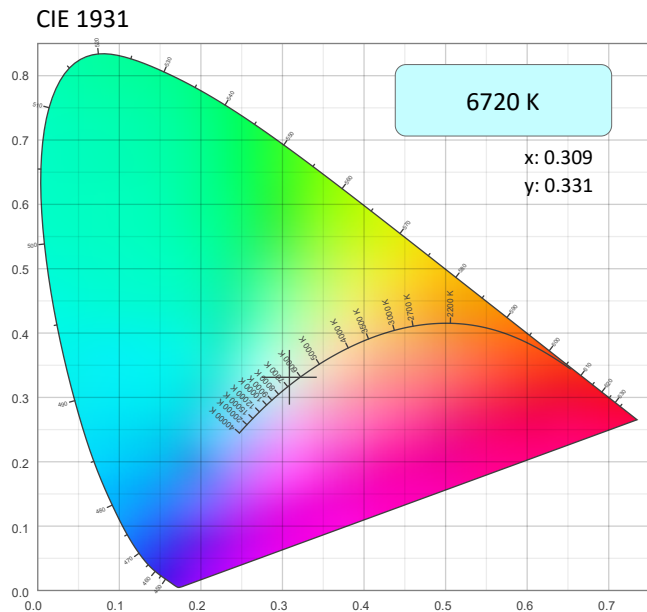
Mounting height: 10 meters / 33 feet



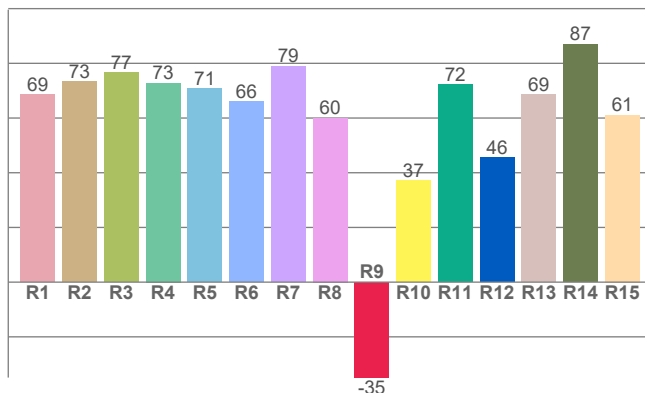
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV35

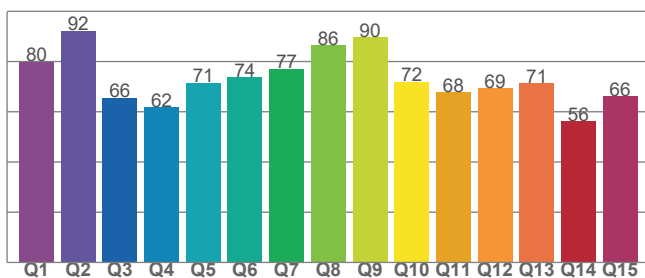
## Chromaticity



CRI: 70.9 (R1-R8)



CQS: 71.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6720 K	0.309	0.331

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0033	0.331	0.194

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
70.9	-34.9	71.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
51	72.9	94.1

# Photometric & Chromaticity Report

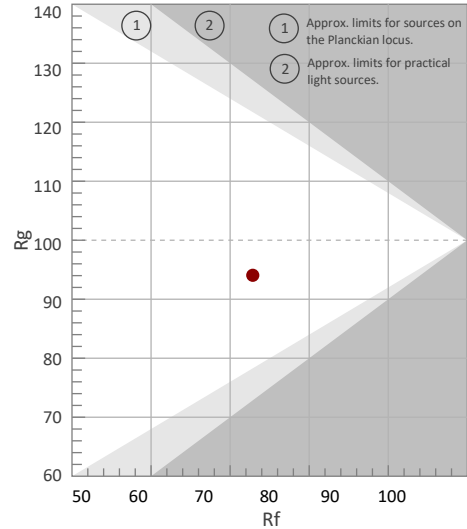
Maverick Storm 4 Profile: Full Spot - Full Power - Fans set to TV35

## TM-30 Details

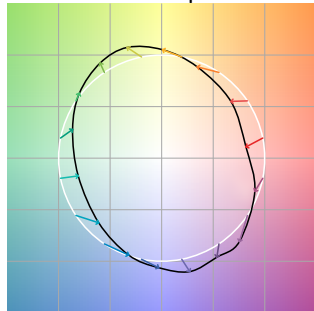
**Rf 72.9**  
Fidelity Index (Rg)

**Rg 94.1**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-14%	8%
3	66	-7%	21%
4	68	3%	20%
5	74	12%	12%
6	84	10%	-2%
7	88	1%	-8%
8	76	-10%	-10%
9	80	-17%	1%
10	67	-14%	18%
11	54	-4%	26%
12	73	5%	18%
13	81	13%	5%
14	77	10%	-9%
15	71	8%	-25%
16	75	-5%	-14%



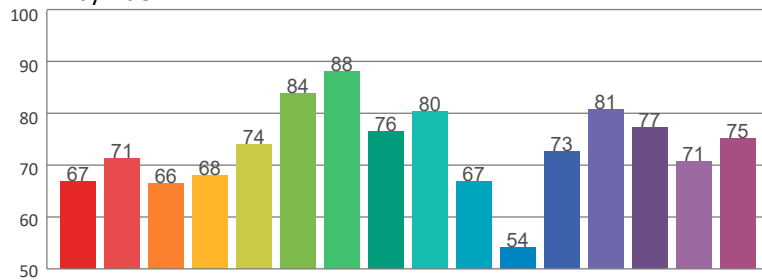
Color Vector Graphic



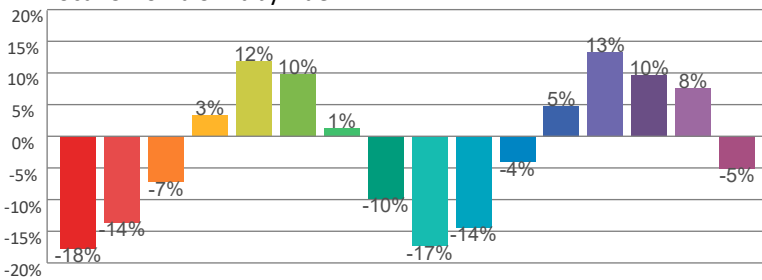
Color Distortion Graphic



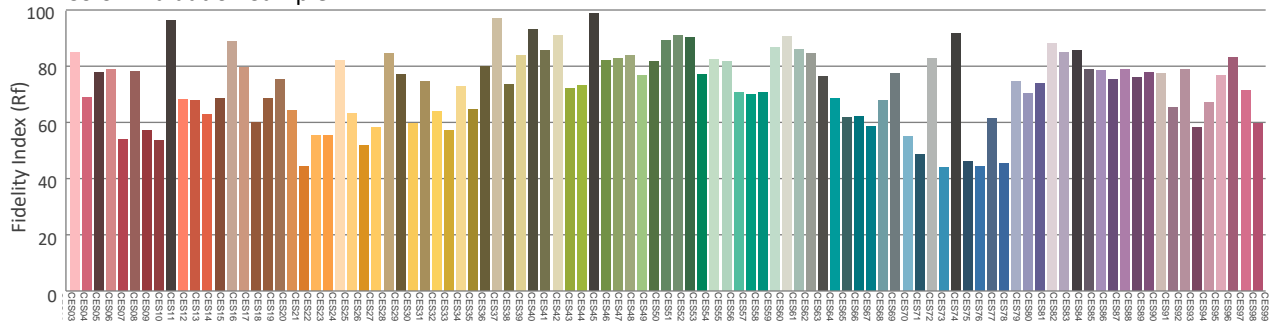
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 60756 lm  
Fixture Peak: 599185 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 23967 lux  
Color Temperature: 6895 K  
CRI: 71.5      CRI R9 Value: -31.6  
CQS: 71.4  
TLCI: 51  
TM-30 Rf: 73.0  
TM-30 Rg: 94.7  
Beam Angle (50%): 20.5°  
Field Angle (10%): 24.1°  
Cutoff Angle (3%): 24.8°

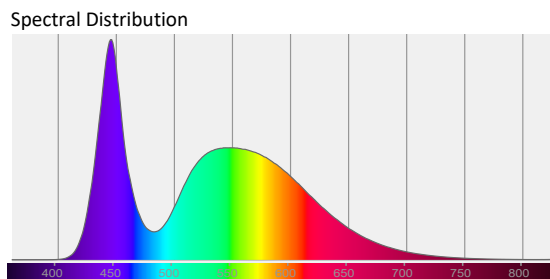
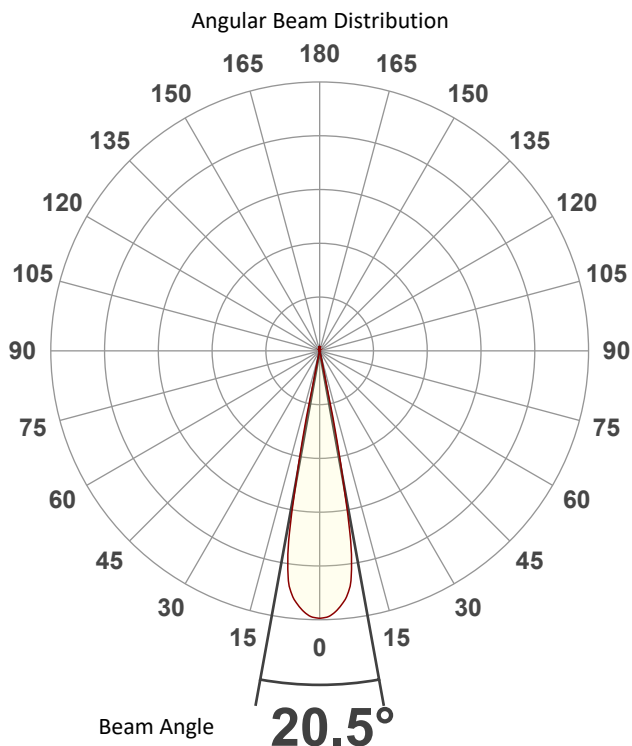


### Conditions

AC Supply: 116 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):  
X: 0.306  
Y: 0.326

Light Quality  
CRI: 71.5

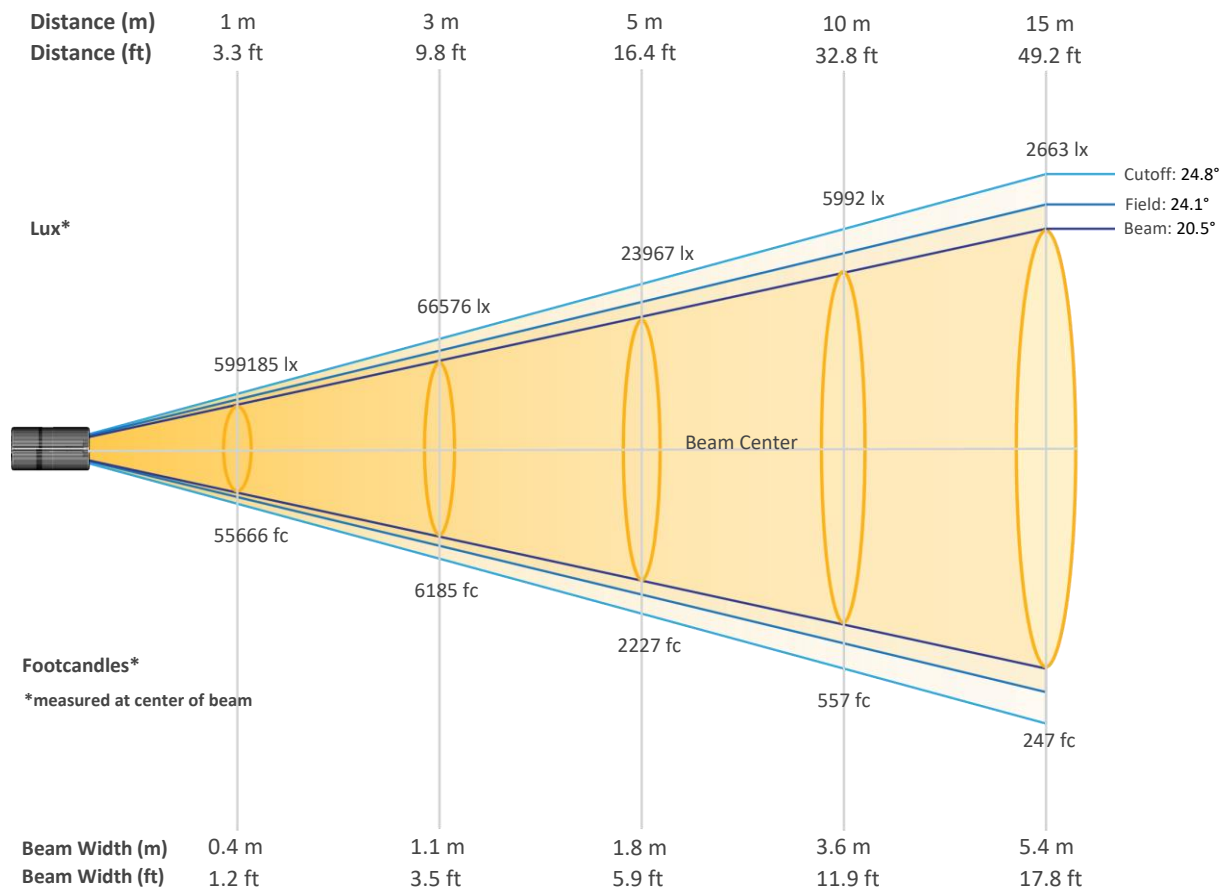
Color Temperature  
6895 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom - Full Power - Fans at Full

## Beam Details



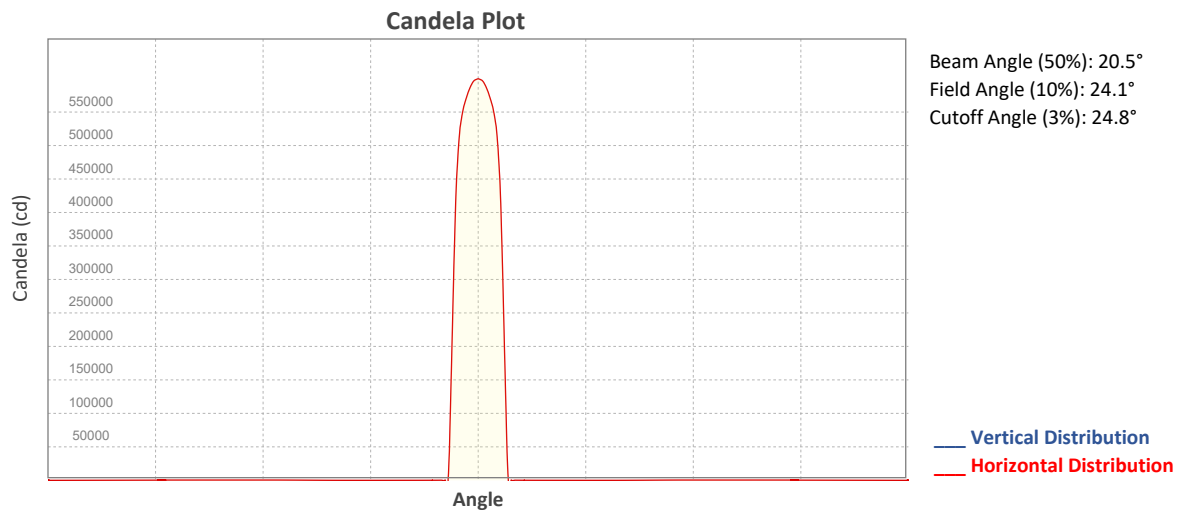
### Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	599185	149796	66576	37449	23967	16644	12228	9362	7397	5992
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	4952	4161	3545	3057	2663	2341	2073	1849	1660	1498
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	55666	13917	6185	3479	2227	1546	1136	870	687	557
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	460	387	329	284	247	217	193	172	154	139

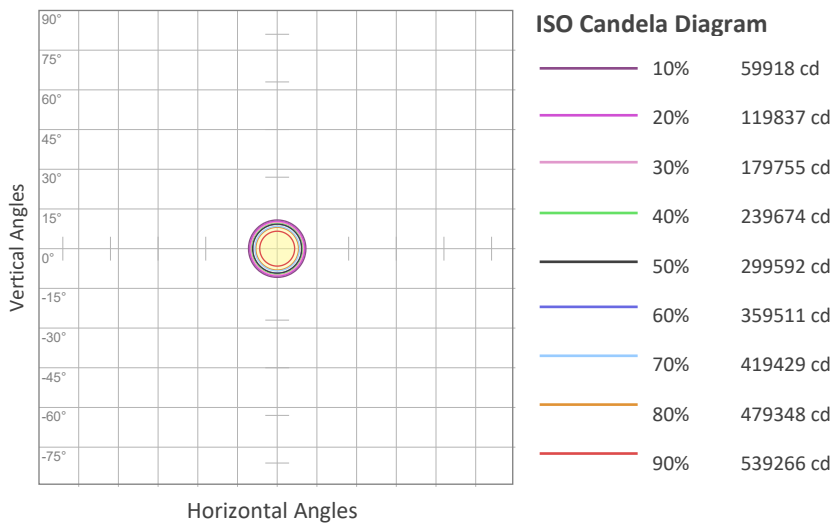


# Photometric & Chromaticity Report

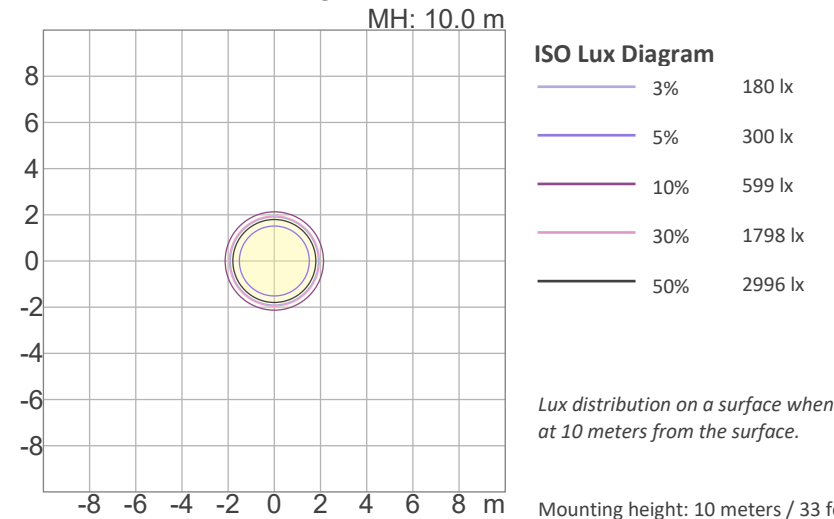
Maverick Storm 4 Profile: 50% Zoom - Full Power - Fans at Full



## ISO Diagrams



**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 599185 cd



**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 5992 lx

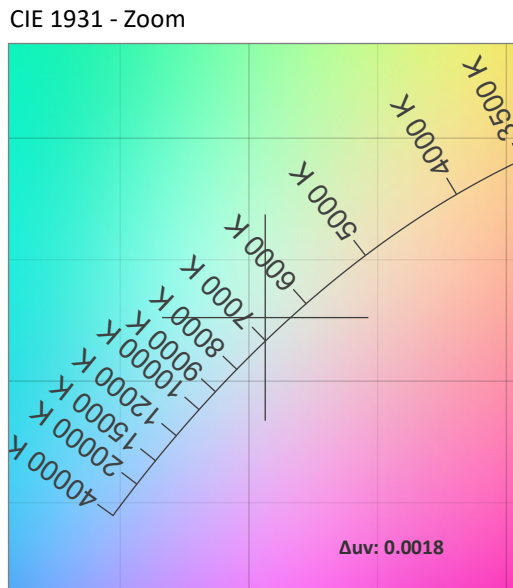
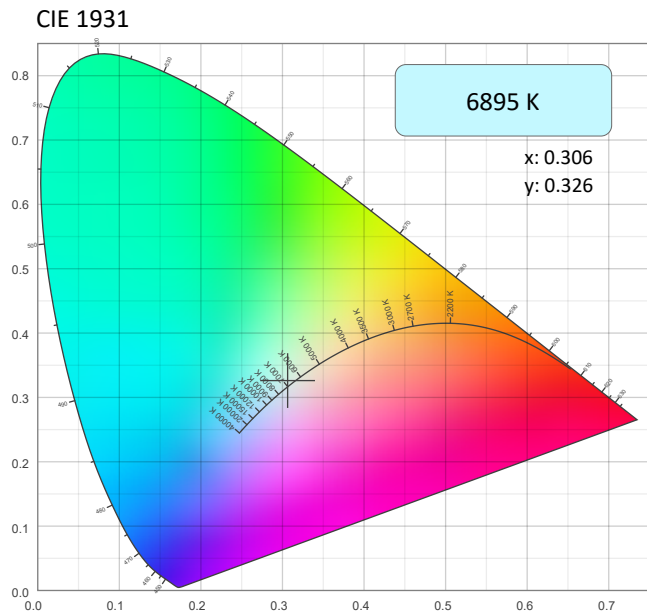
*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



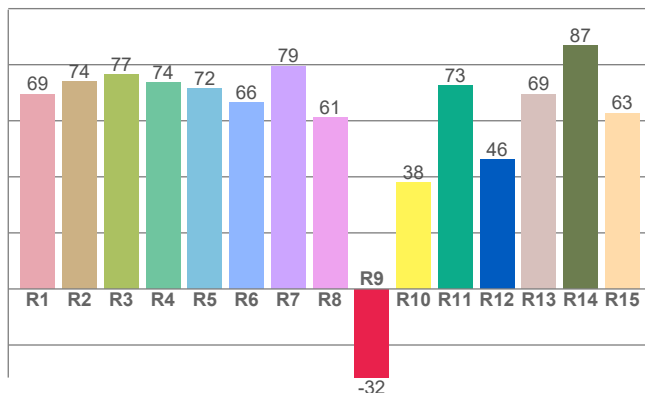
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom - Full Power - Fans at Full

## Chromaticity



CRI: 71.5 (R1-R8)

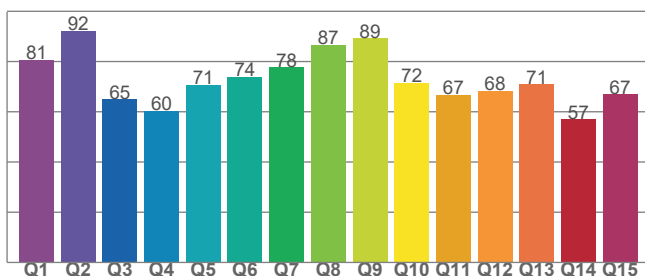


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6895 K	0.306	0.326

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0018	0.326	0.194

CQS: 71.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
71.5	-31.6	71.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
51	73.0	94.7

# Photometric & Chromaticity Report

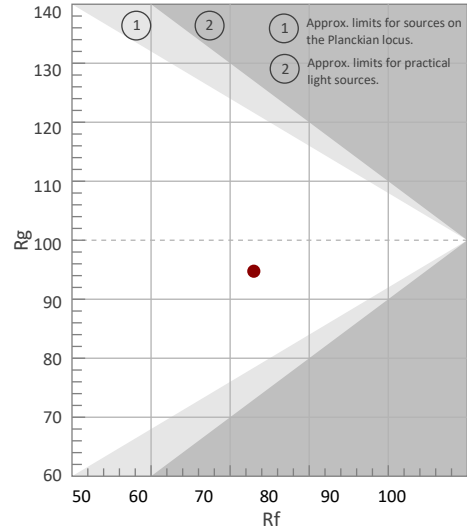
Maverick Storm 4 Profile: 50% Zoom - Full Power - Fans at Full

## TM-30 Details

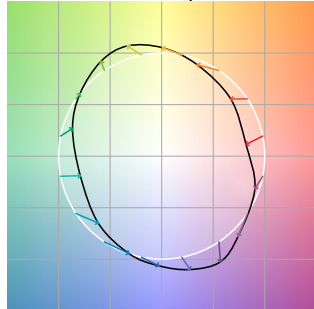
**Rf 73.0**  
Fidelity Index (Rg)

**Rg 94.7**  
Gammut Index (Rg)

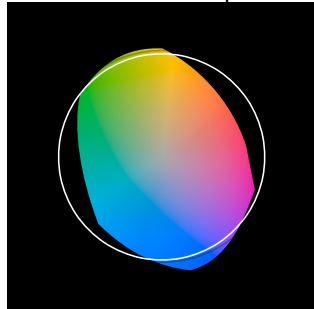
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	67	-18%	-5%
2	71	-14%	9%
3	67	-7%	20%
4	68	3%	20%
5	74	11%	12%
6	84	9%	-2%
7	91	0%	-7%
8	77	-10%	-10%
9	78	-19%	3%
10	65	-13%	20%
11	53	-4%	26%
12	72	5%	18%
13	81	13%	6%
14	77	17%	-10%
15	70	5%	-23%
16	76	-5%	-13%



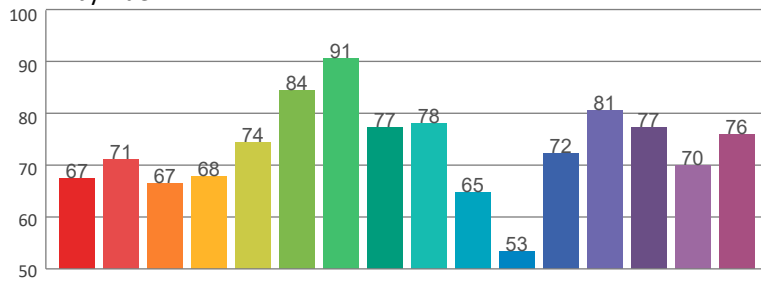
Color Vector Graphic



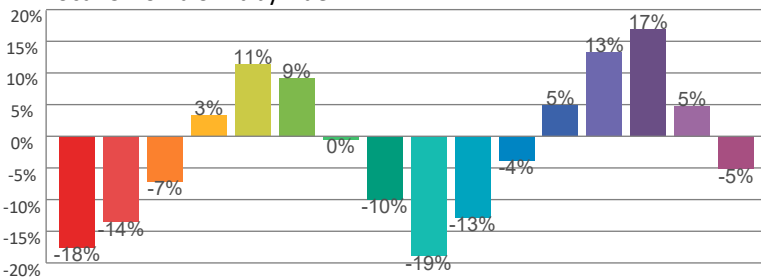
Color Distortion Graphic



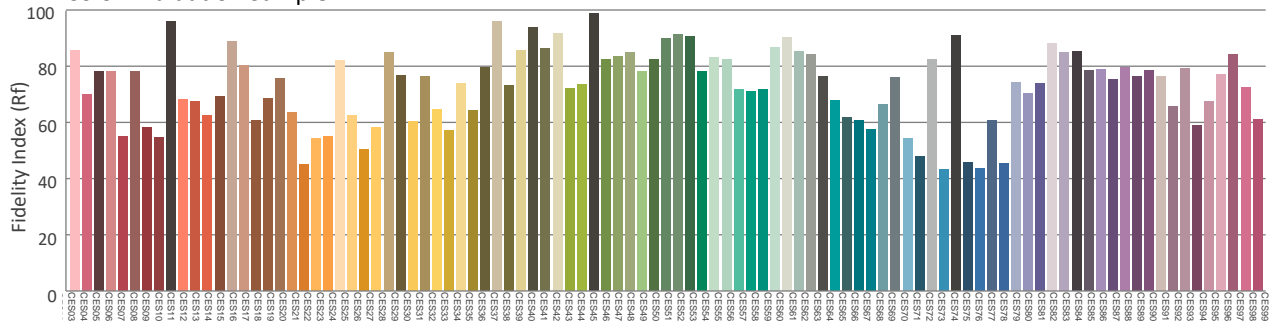
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CRI - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 38766 lm  
Fixture Peak: 405253 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 16210 lux  
Color Temperature: 6322 K  
CRI: 91.0      CRI R9 Value: 40.9  
CQS: 88.8  
TLCI: 73  
TM-30 Rf: 88.0  
TM-30 Rg: 104.2  
Beam Angle (50%): 19.7°  
Field Angle (10%): 23.8°  
Cutoff Angle (3%): 25.7°

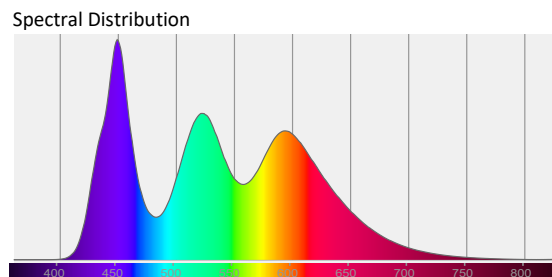
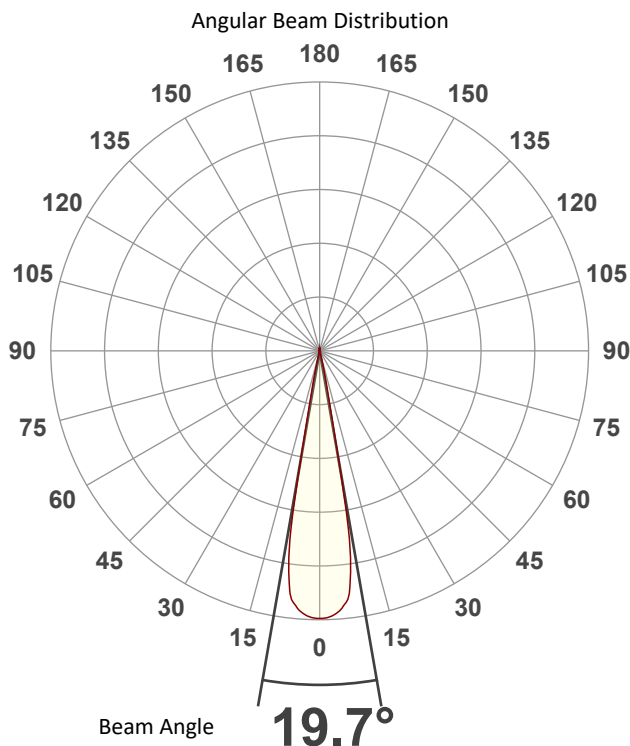


### Conditions

AC Supply: 115 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

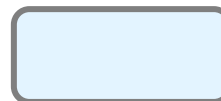
## Overall Measurement



Tested Color (CIE 1931):

X: 0.317

Y: 0.320

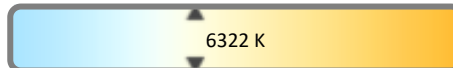


Light Quality

CRI: 91.0

Color Temperature

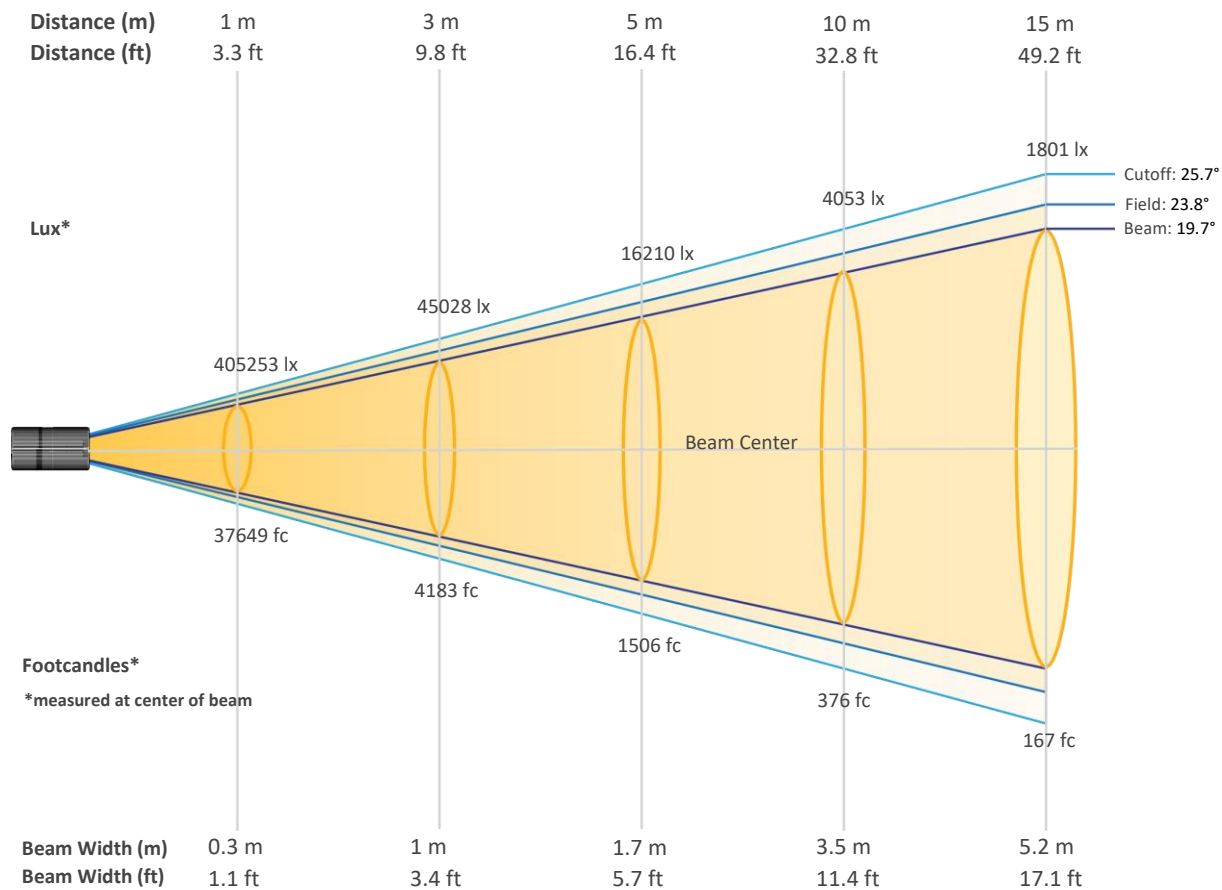
6322 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CRI - Full Power - Fans at Full

## Beam Details

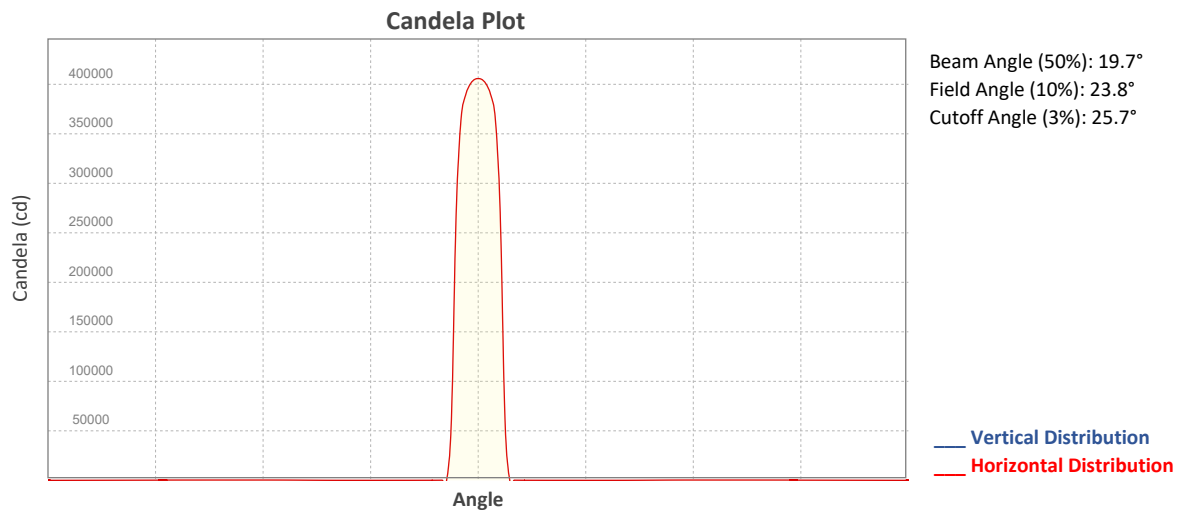


### Beam Intensities from 1-20m (3.3-65.6ft)

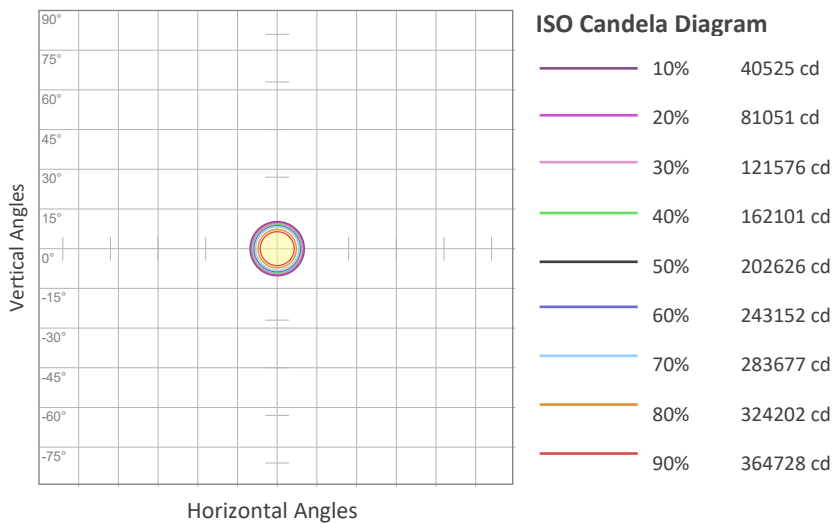
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	405253	101313	45028	25328	16210	11257	8270	6332	5003	4053
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3349	2814	2398	2068	1801	1583	1402	1251	1123	1013
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	37649	9412	4183	2353	1506	1046	768	588	465	376
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	311	261	223	192	167	147	130	116	104	94

# Photometric & Chromaticity Report

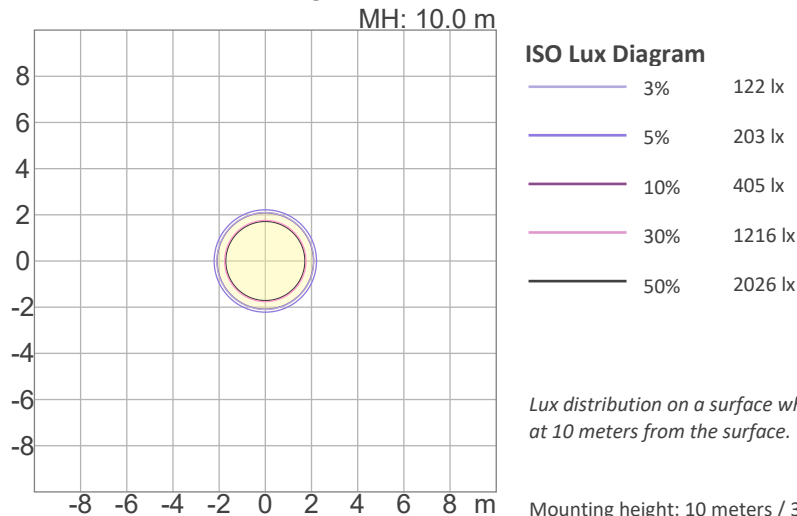
Maverick Storm 4 Profile: 50% Zoom-CRI - Full Power - Fans at Full



## ISO Diagrams



**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 405253 cd



**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 4053 lx

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

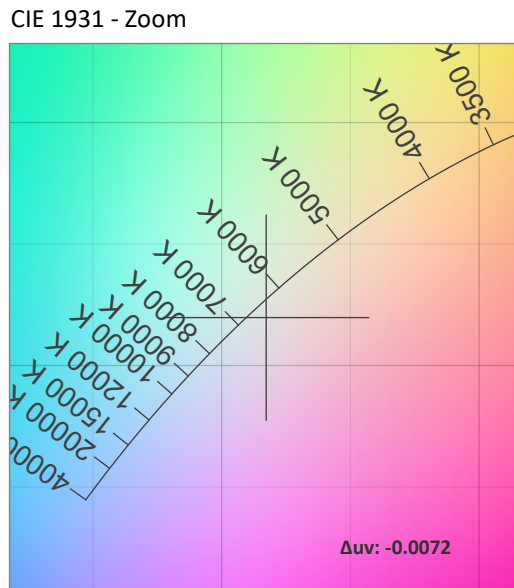
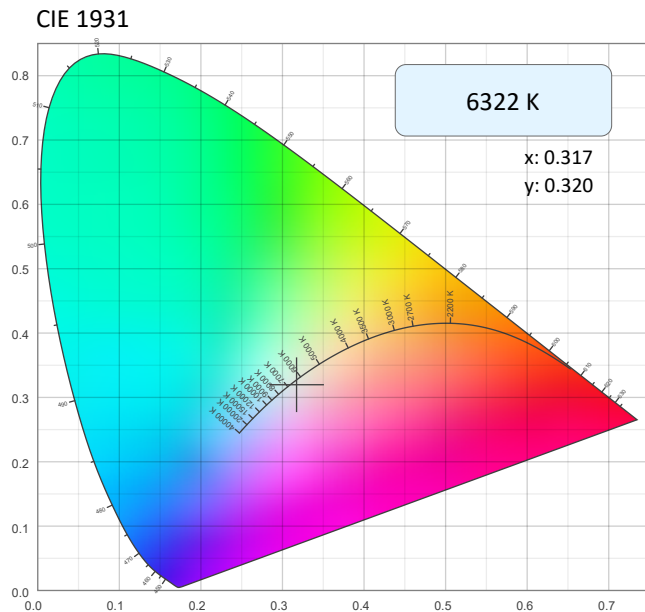
Mounting height: 10 meters / 33 feet



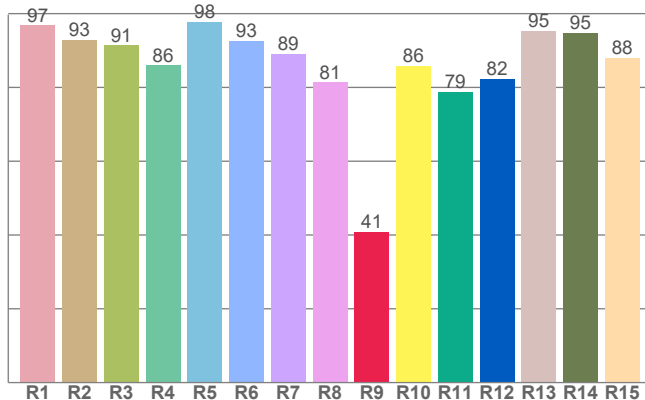
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CRI - Full Power - Fans at Full

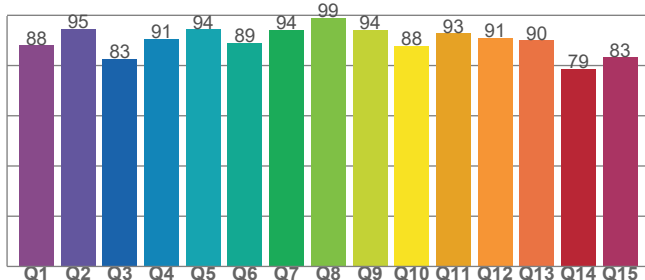
## Chromaticity



### CRI: 91.0 (R1-R8)



### CQS: 88.8



### Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6322 K	0.317	0.320

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0072	0.320	0.205

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.0	40.9	88.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
73	88.0	104.2

# Photometric & Chromaticity Report

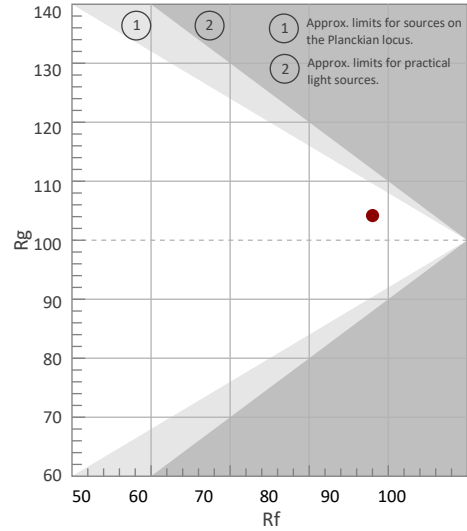
Maverick Storm 4 Profile: 50% Zoom-CRI - Full Power - Fans at Full

## TM-30 Details

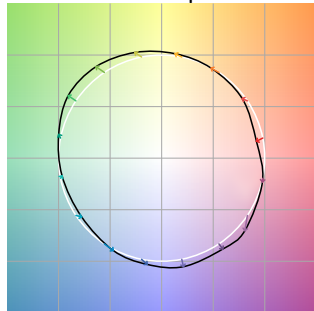
**Rf 88.0**  
Fidelity Index (Rg)

**Rg 104.2**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	87	-7%	-2%
2	91	-3%	5%
3	85	-1%	9%
4	88	2%	7%
5	87	6%	5%
6	86	9%	4%
7	87	9%	0%
8	93	2%	-3%
9	94	-2%	-2%
10	89	-4%	4%
11	83	1%	11%
12	89	4%	6%
13	90	7%	0%
14	89	6%	0%
15	83	6%	-14%
16	93	0%	-4%



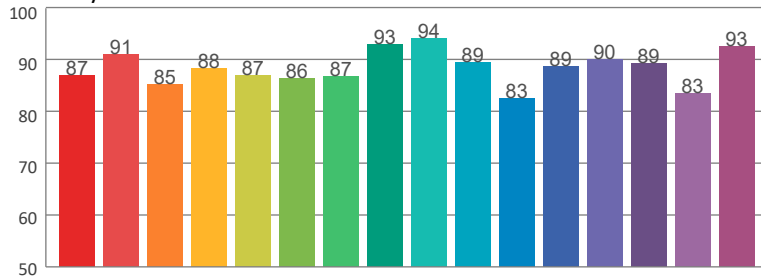
Color Vector Graphic



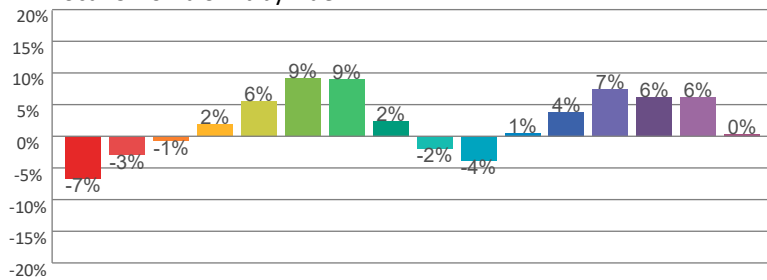
Color Distortion Graphic



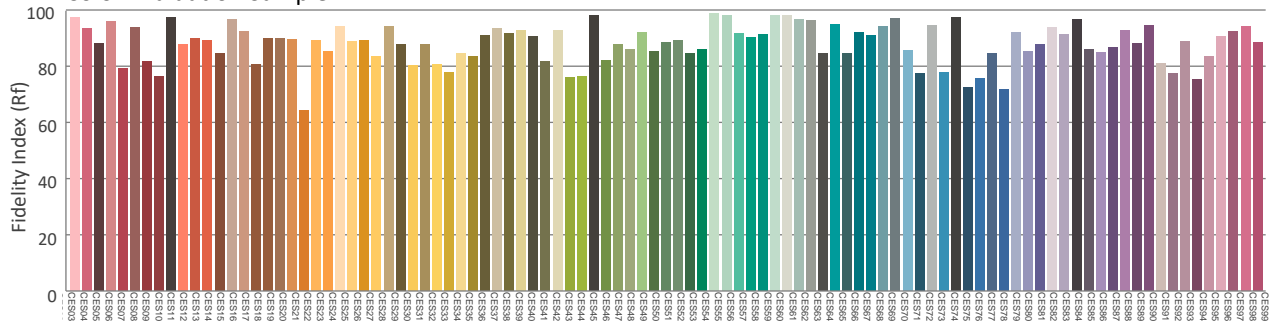
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample





# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTB - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 45305 lm  
Fixture Peak: 438344 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 17534 lux  
Color Temperature: 8639 K  
CRI: 78.4      CRI R9 Value: 10.9  
CQS: 76.1  
TLCI: 60  
TM-30 Rf: 76.5  
TM-30 Rg: 98.6  
Beam Angle (50%): 20.8°  
Field Angle (10%): 24.5°  
Cutoff Angle (3%): 25.5°

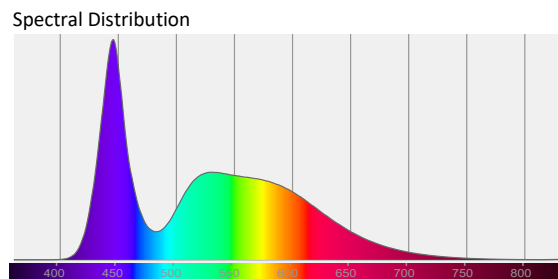
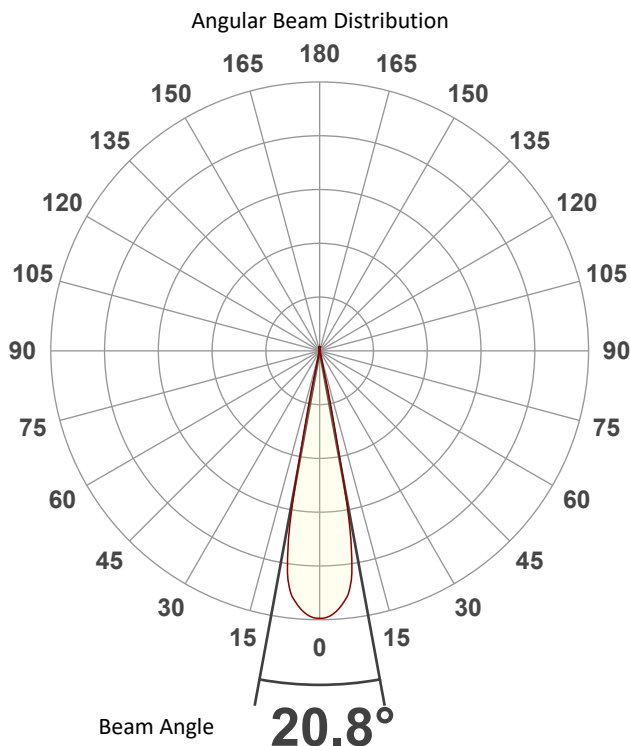


### Conditions

AC Supply: 116 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

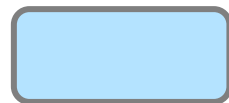
## Overall Measurement



Tested Color (CIE 1931):

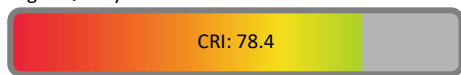
X: 0.291

Y: 0.296



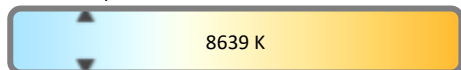
Light Quality

CRI: 78.4



Color Temperature

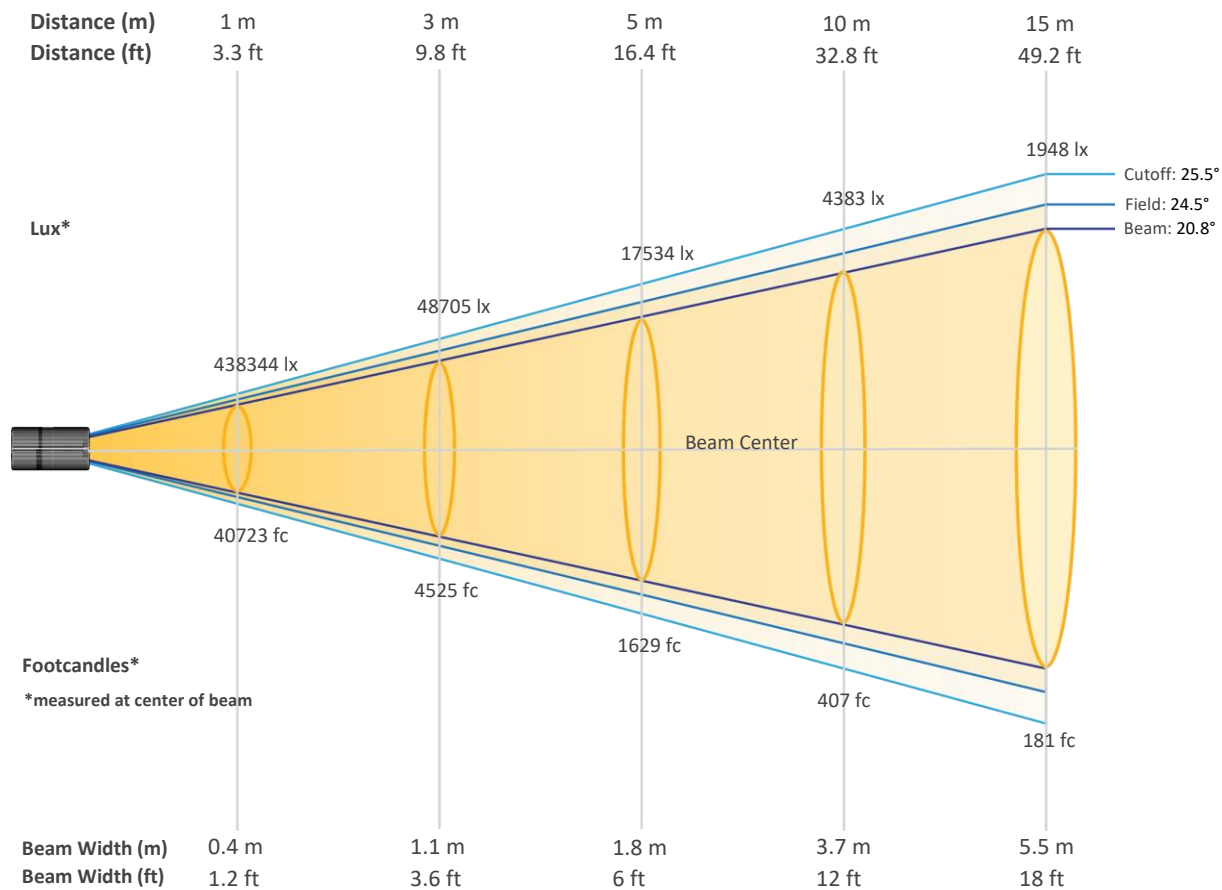
8639 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTB - Full Power - Fans at Full

## Beam Details

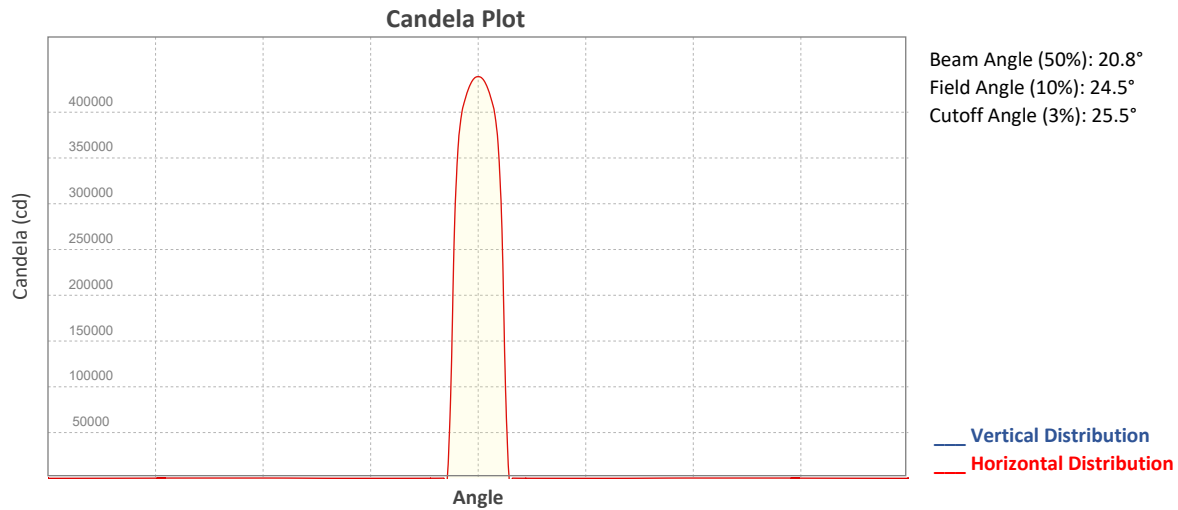


### Beam Intensities from 1-20m (3.3-65.6ft)

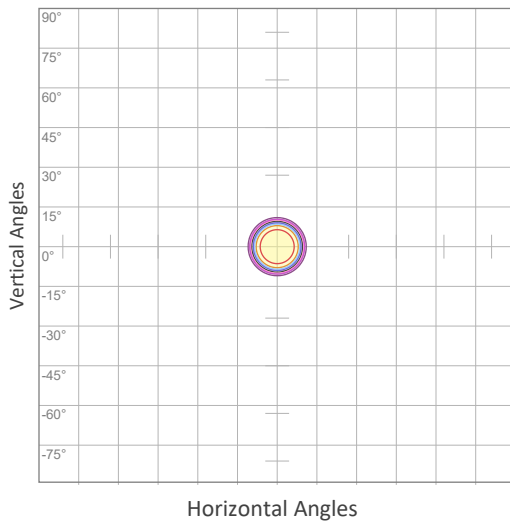
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	438344	109586	48705	27396	17534	12176	8946	6849	5412	4383
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3623	3044	2594	2236	1948	1712	1517	1353	1214	1096
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	40723	10181	4525	2545	1629	1131	831	636	503	407
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	337	283	241	208	181	159	141	126	113	102

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTB - Full Power - Fans at Full



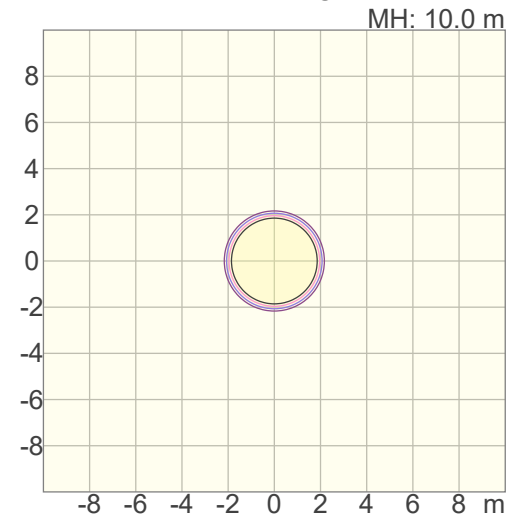
## ISO Diagrams



**ISO Candela Diagram**

10%	43834 cd
20%	87669 cd
30%	131503 cd
40%	175337 cd
50%	219172 cd
60%	263006 cd
70%	306840 cd
80%	350675 cd
90%	394509 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 438344 cd



**ISO Lux Diagram**

3%	132 lx
5%	219 lx
10%	438 lx
30%	1315 lx
50%	2192 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 4383 lx

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

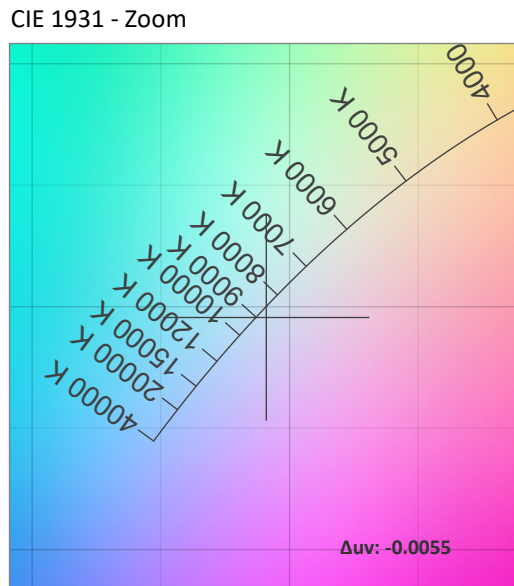
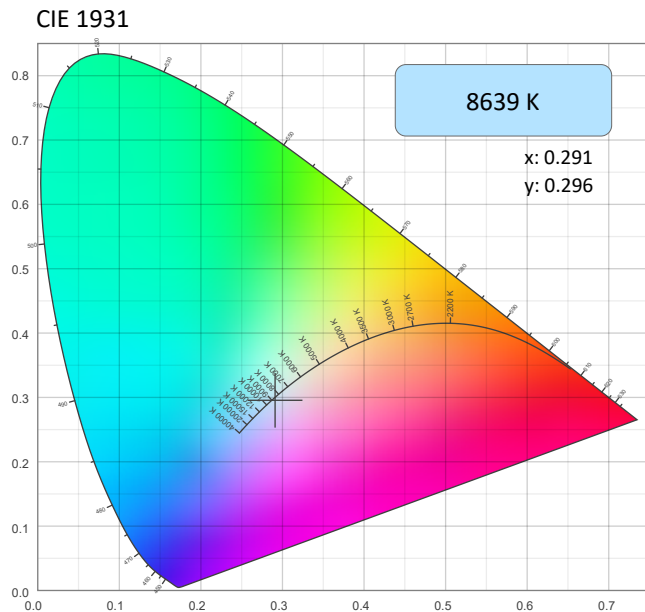
Mounting height: 10 meters / 33 feet



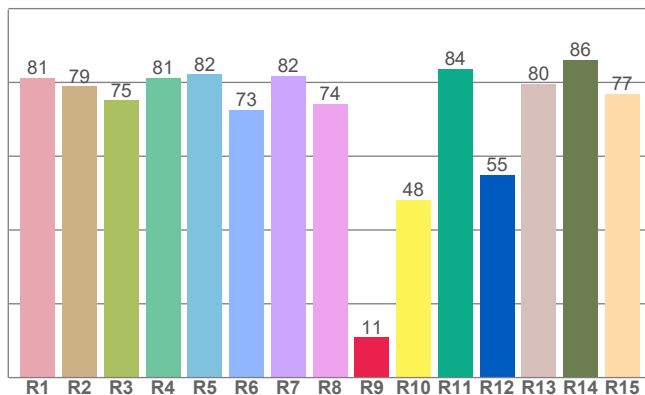
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTB - Full Power - Fans at Full

## Chromaticity



CRI: 78.4 (R1-R8)

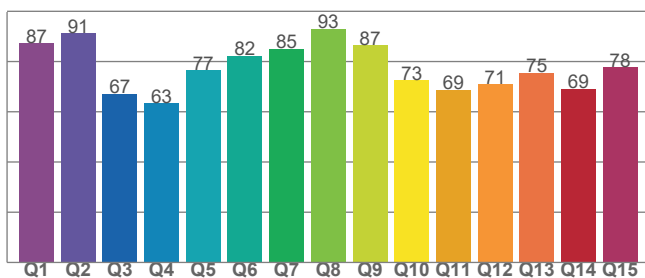


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8639 K	0.291	0.296

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
-0.0055	0.296	0.195

CQS: 76.1



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
78.4	10.9	76.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
60	76.5	98.6

# Photometric & Chromaticity Report

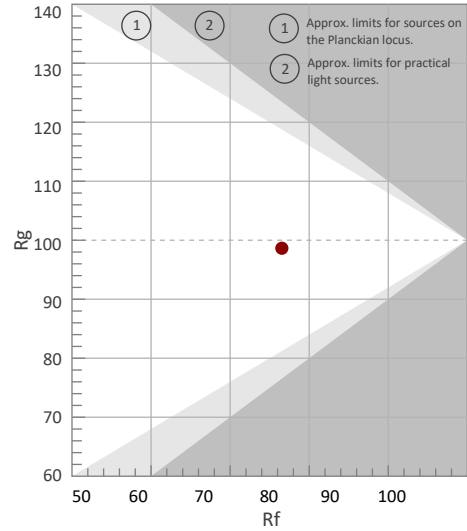
Maverick Storm 4 Profile: 50% Zoom-CTB - Full Power - Fans at Full

## TM-30 Details

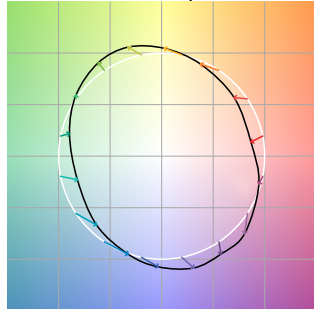
**Rf 76.5**  
Fidelity Index (Rg)

**Rg 98.6**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	-4%
2	77	-10%	8%
3	68	-5%	18%
4	73	3%	18%
5	75	10%	11%
6	85	9%	1%
7	94	2%	-3%
8	83	-8%	-4%
9	81	-15%	7%
10	70	-10%	20%
11	48	-3%	26%
12	74	6%	18%
13	80	12%	9%
14	81	11%	-5%
15	77	9%	-18%
16	84	-2%	-8%



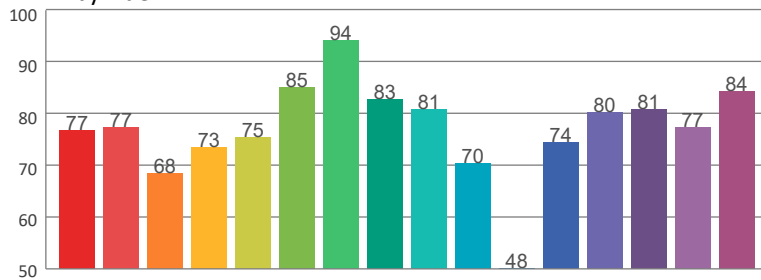
Color Vector Graphic



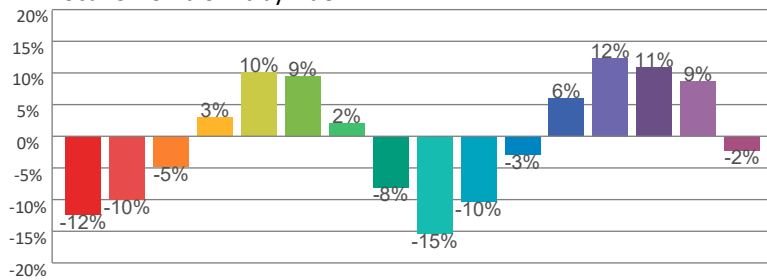
Color Distortion Graphic



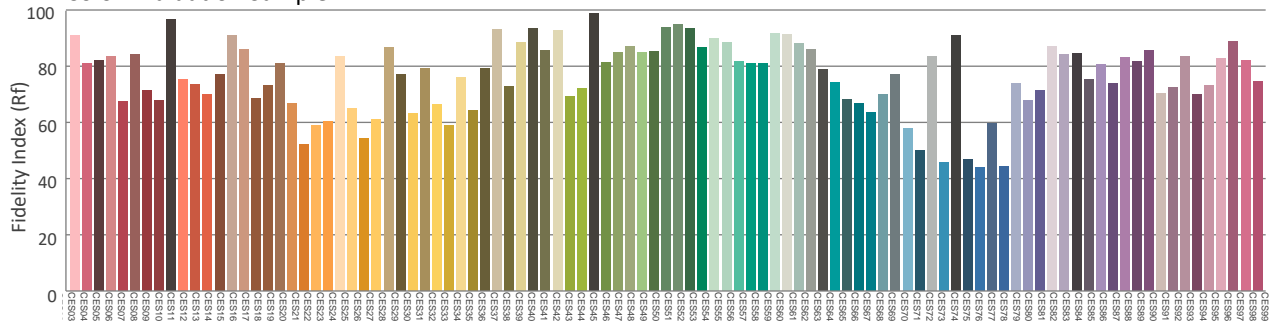
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTO - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 28634 lm  
Fixture Peak: 278932 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 11157 lux  
Color Temperature: 2978 K  
CRI: 52.3      CRI R9 Value: -84.8  
CQS: 56.0  
TLCI: 23  
TM-30 Rf: 61.4  
TM-30 Rg: 81.7  
Beam Angle (50%): 20.7°  
Field Angle (10%): 24.4°  
Cutoff Angle (3%): 25.3°

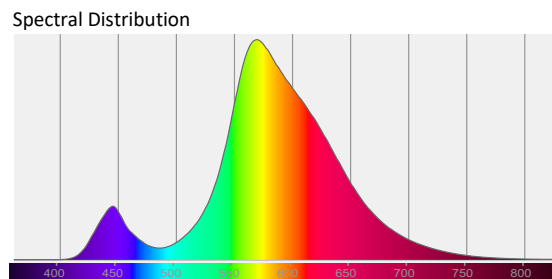
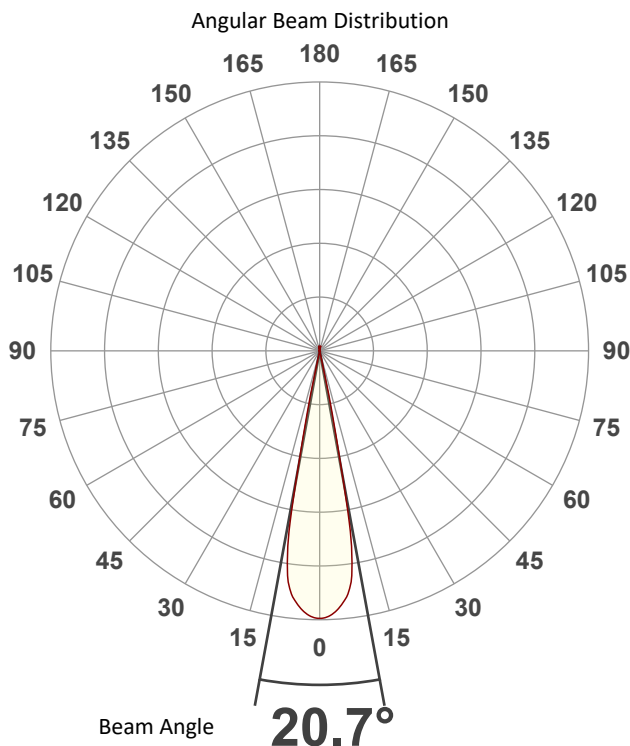


### Conditions

AC Supply: 115 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):

X: 0.456

Y: 0.441



Light Quality

CRI: 52.3

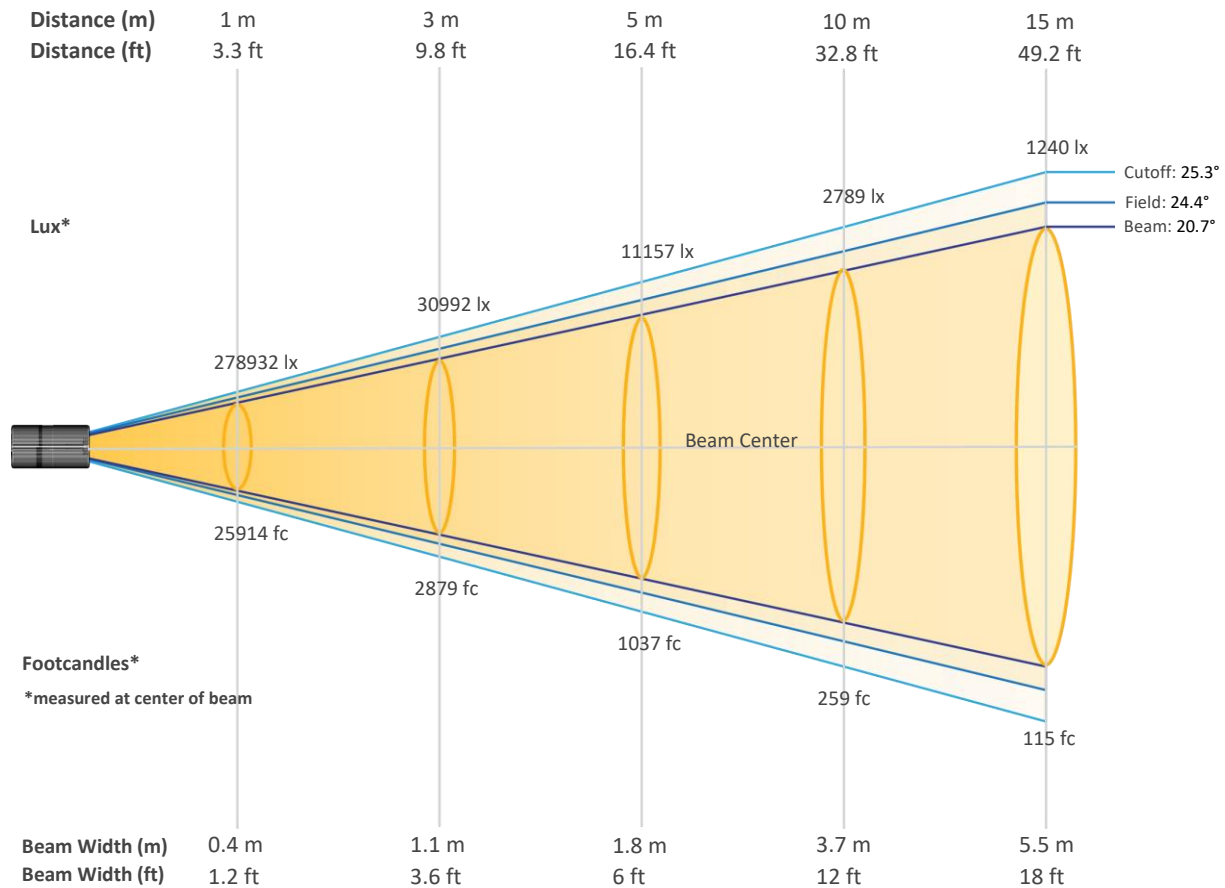
Color Temperature

2978 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTO - Full Power - Fans at Full

## Beam Details

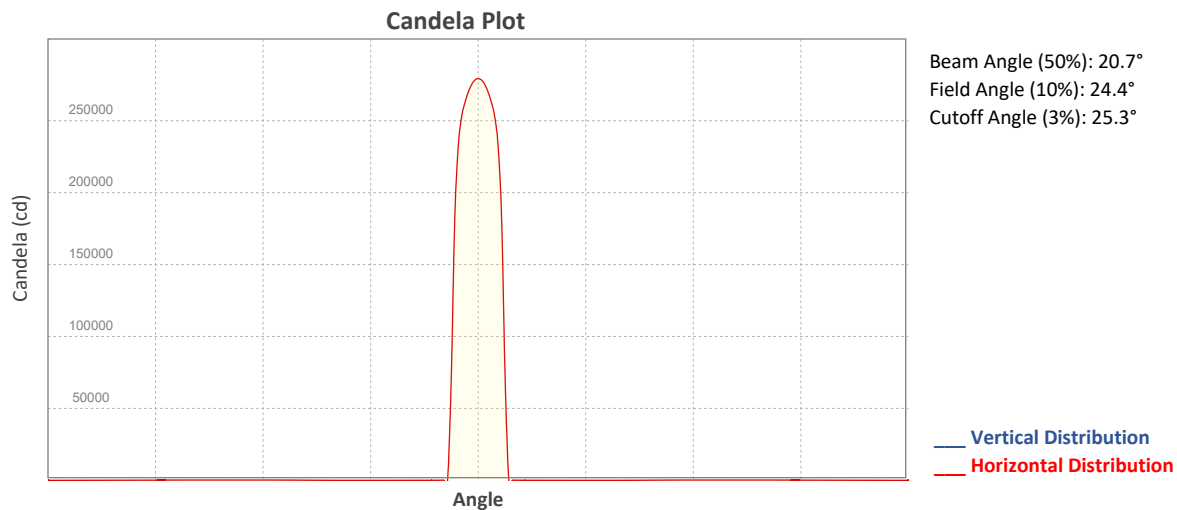


### Beam Intensities from 1-20m (3.3-65.6ft)

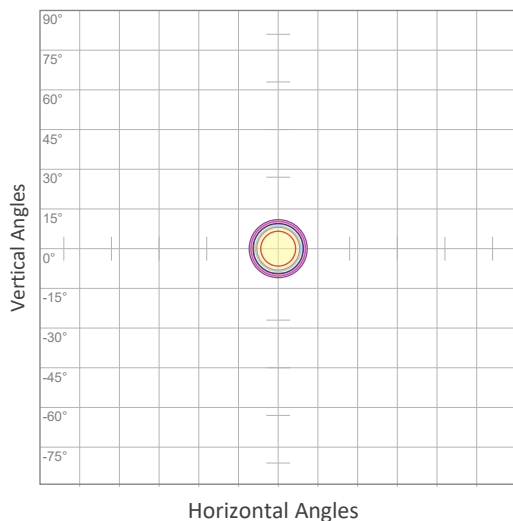
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	278932	69733	30992	17433	11157	7748	5692	4358	3444	2789
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2305	1937	1650	1423	1240	1090	965	861	773	697
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	25914	6478	2879	1620	1037	720	529	405	320	259
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	214	180	153	132	115	101	90	80	72	65

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTO - Full Power - Fans at Full



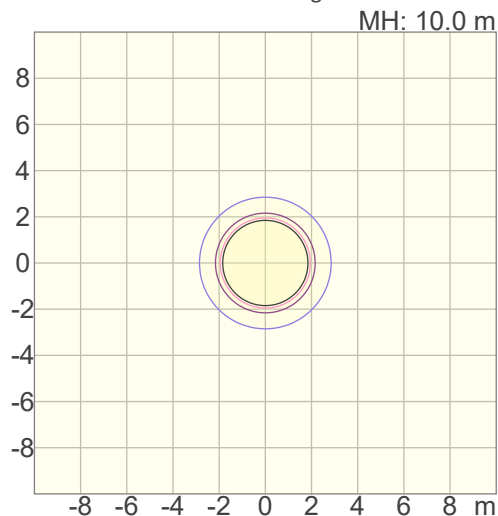
## ISO Diagrams



**ISO Candela Diagram**

10%	27893 cd
20%	55786 cd
30%	83680 cd
40%	111573 cd
50%	139466 cd
60%	167359 cd
70%	195252 cd
80%	223145 cd
90%	251039 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 278932 cd



**ISO Lux Diagram**

3%	83.7 lx
5%	139 lx
10%	279 lx
30%	837 lx
50%	1395 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 2789 lx

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

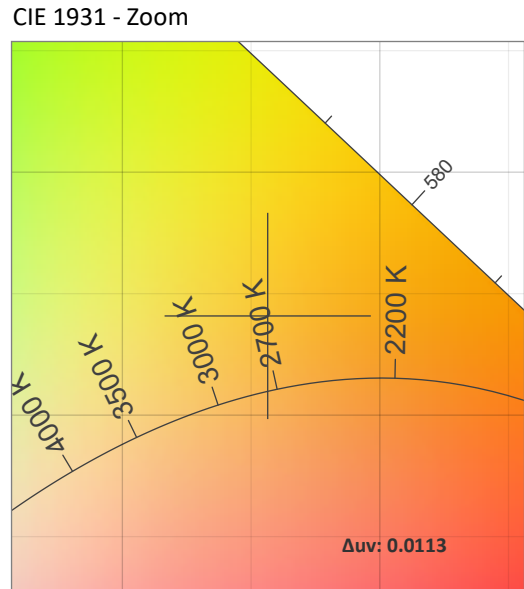
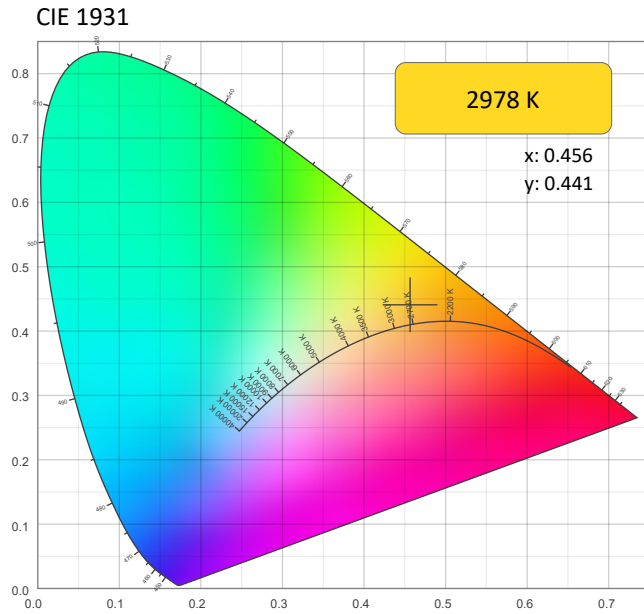
Mounting height: 10 meters / 33 feet



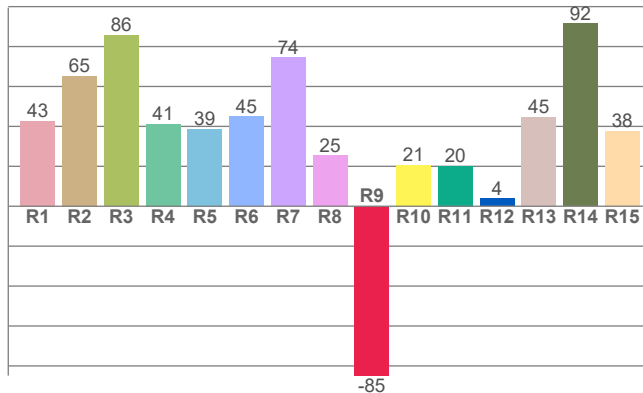
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-CTO - Full Power - Fans at Full

## Chromaticity



CRI: 52.3 (R1-R8)

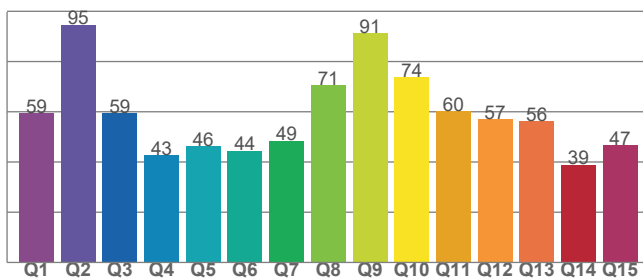


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2978 K	0.456	0.441

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0113	0.441	0.247

CQS: 56.0



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
52.3	-84.8	56.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
23	61.4	81.7

# Photometric & Chromaticity Report

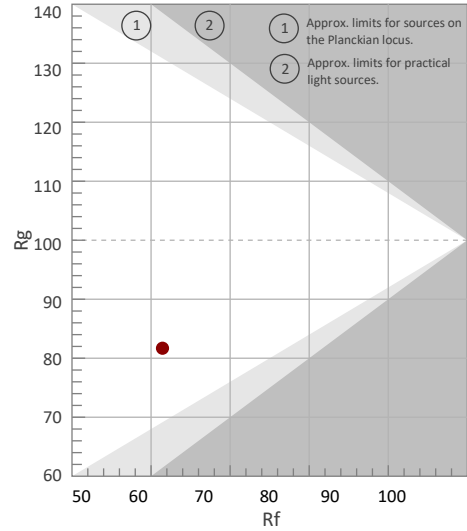
Maverick Storm 4 Profile: 50% Zoom-CTO - Full Power - Fans at Full

## TM-30 Details

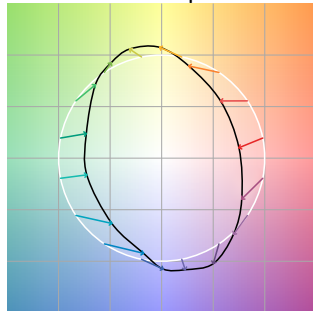
**Rf 61.4**  
Fidelity Index (Rg)

**Rg 81.7**  
Gammut Index (Rg)

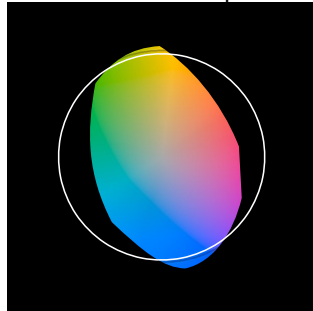
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	55	-25%	-5%
2	54	-22%	14%
3	44	-11%	28%
4	66	5%	23%
5	79	10%	10%
6	82	4%	-11%
7	62	-7%	-23%
8	60	-24%	-9%
9	59	-26%	2%
10	46	-25%	26%
11	47	-14%	37%
12	62	5%	22%
13	82	11%	1%
14	72	13%	-15%
15	62	-1%	-23%
16	63	-16%	-24%



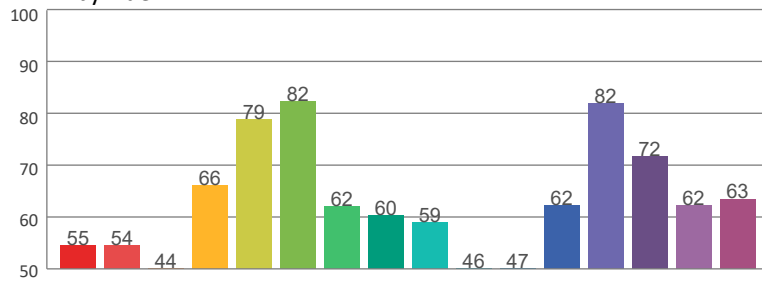
Color Vector Graphic



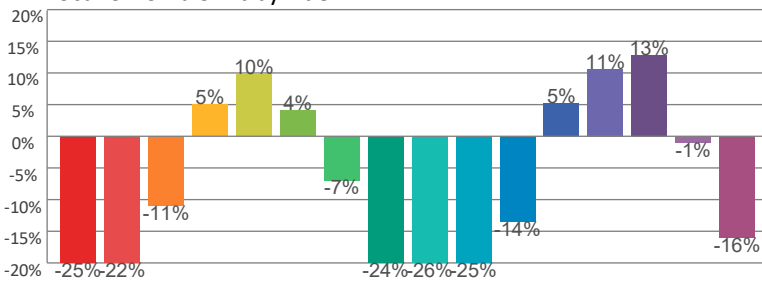
Color Distortion Graphic



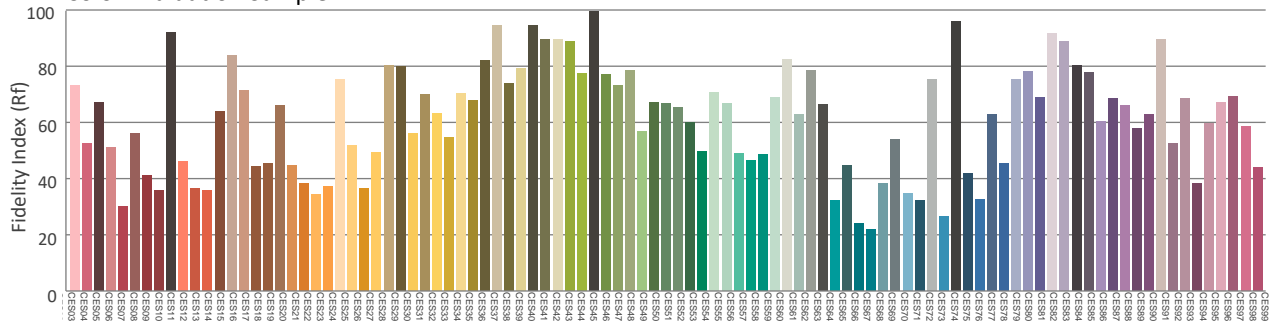
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Cyan - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 10517 lm  
Fixture Peak: 108673 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 4347 lux  
Color Temperature: 0 K  
CRI: 0.0      CRI R9 Value: 0.0  
CQS: 0.0  
TLCl: n/a  
TM-30 Rf: 0.0  
TM-30 Rg: 0.0  
Beam Angle (50%): 19.7°  
Field Angle (10%): 24°  
Cutoff Angle (3%): 25.6°

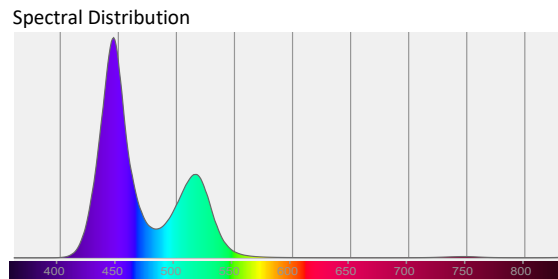
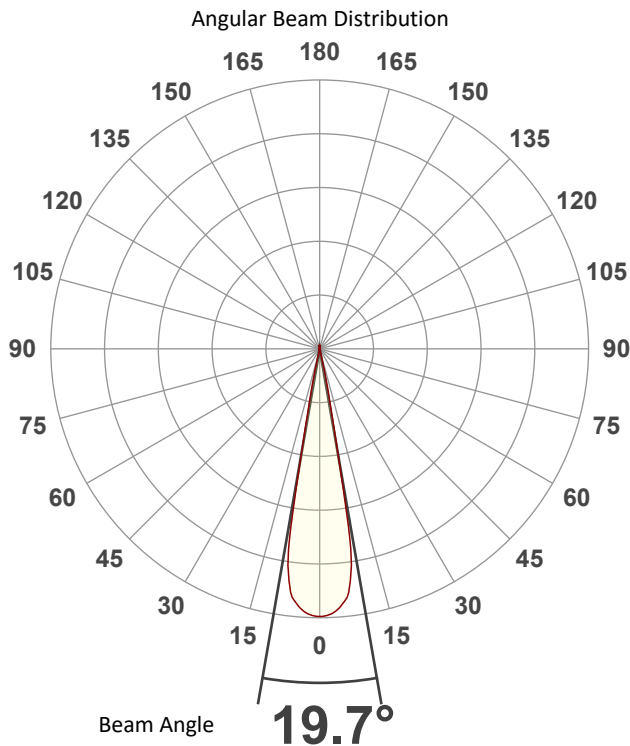


### Conditions

AC Supply: 116 V, 60 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

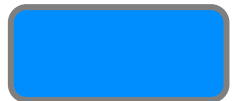
## Overall Measurement



Tested Color (CIE 1931):

X: 0.146

Y: 0.141



Light Quality

CRI: 0.0

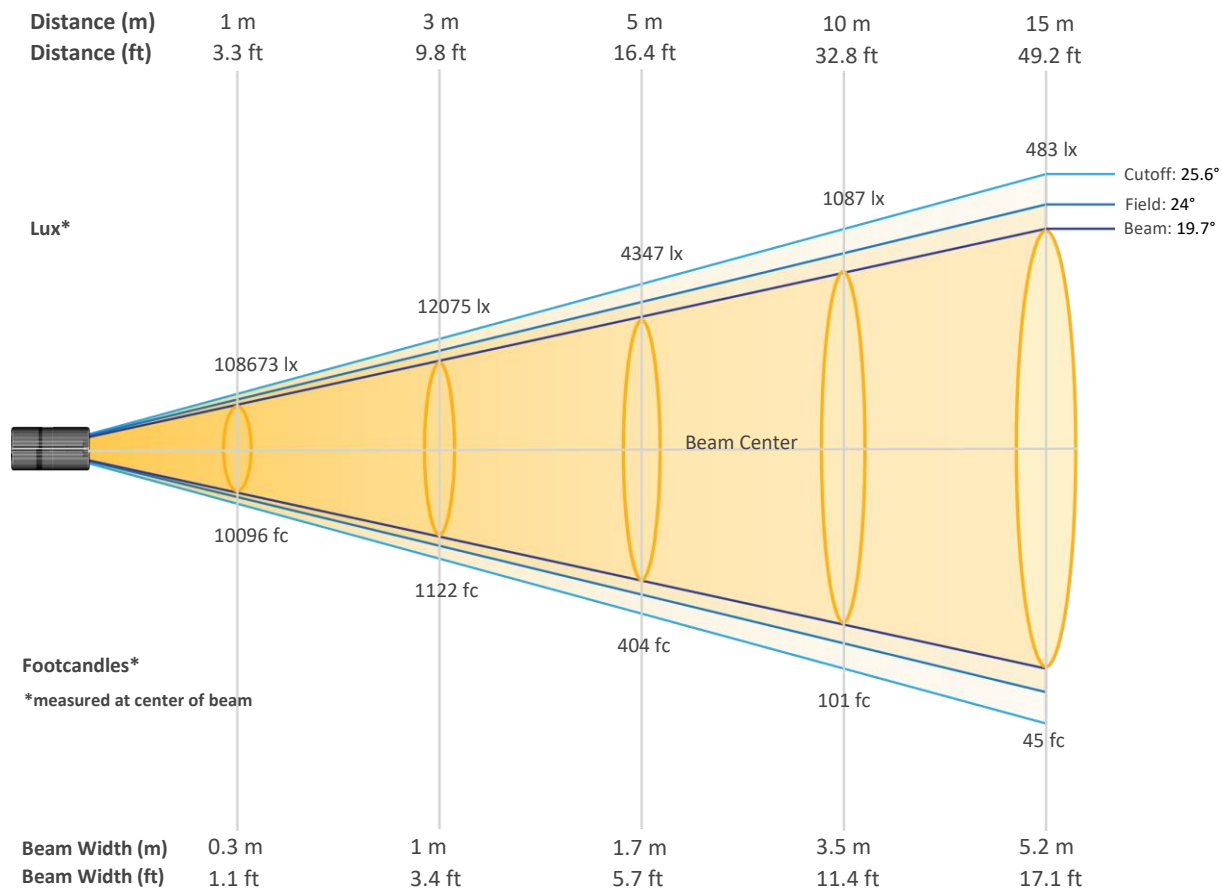
Color Temperature

0 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Cyan - Full Power - Fans at Full

## Beam Details

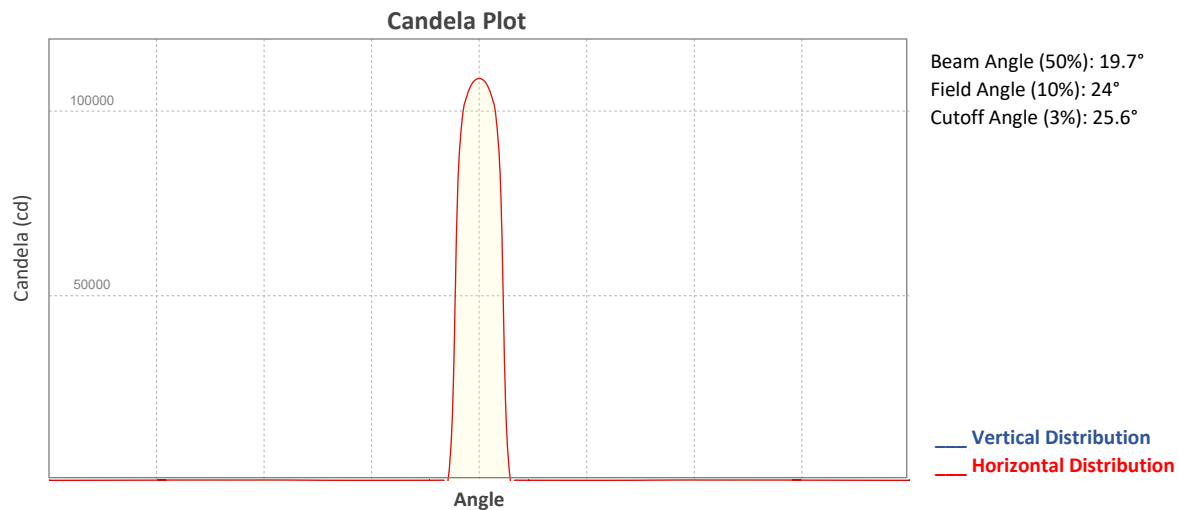


### Beam Intensities from 1-20m (3.3-65.6ft)

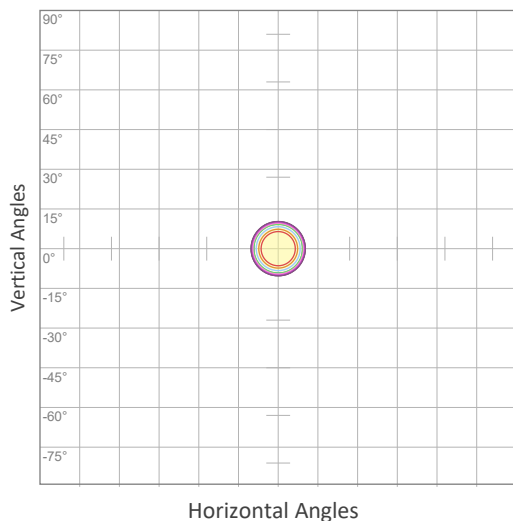
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	108673	27168	12075	6792	4347	3019	2218	1698	1342	1087
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	898	755	643	554	483	425	376	335	301	272
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10096	2524	1122	631	404	280	206	158	125	101
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	83	70	60	52	45	39	35	31	28	25

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Cyan - Full Power - Fans at Full



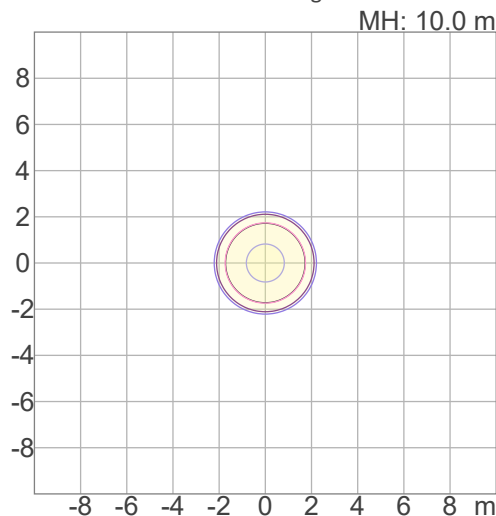
## ISO Diagrams



ISO Candela Diagram

10%	10867 cd
20%	21735 cd
30%	32602 cd
40%	43469 cd
50%	54337 cd
60%	65204 cd
70%	76071 cd
80%	86939 cd
90%	97806 cd

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 108673 cd



ISO Lux Diagram

3%	32.6 lx
5%	54.3 lx
10%	109 lx
30%	326 lx
50%	543 lx

**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 1087 lx

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

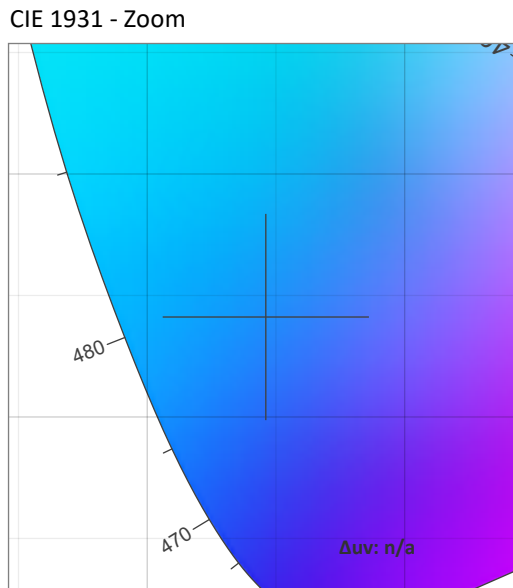
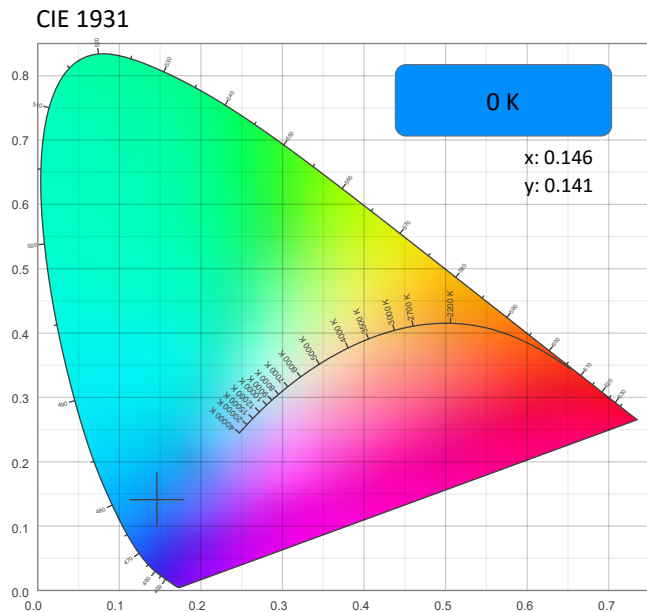
Mounting height: 10 meters / 33 feet



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Cyan - Full Power - Fans at Full

## Chromaticity



CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.146	0.141

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
n/a	0.141	0.133

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

# Photometric & Chromaticity Report

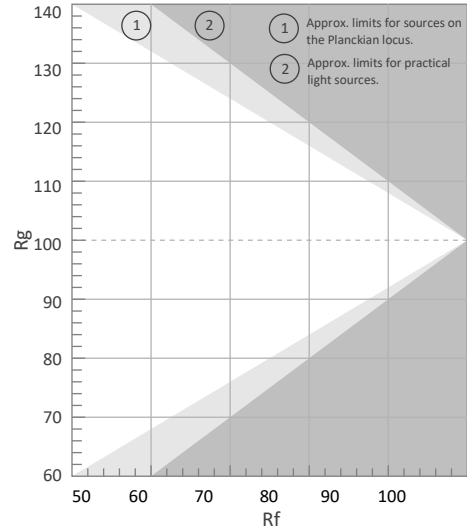
Maverick Storm 4 Profile: 50% Zoom-Cyan - Full Power - Fans at Full

## TM-30 Details

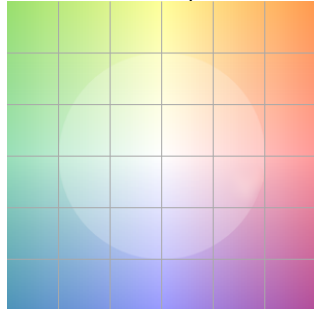
**Rf 0.0**  
Fidelity Index (Rg)

**Rg 0.0**  
Gammut Index (Rg)

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



Color Distortion Graphic



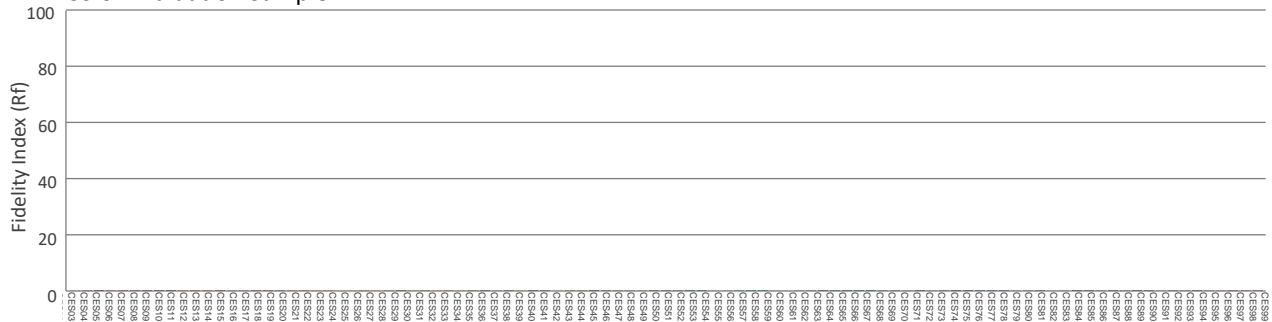
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Magenta - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 2408 lm  
Fixture Peak: 23582 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 943 lux  
Color Temperature: 0 K  
CRI: 0.0      CRI R9 Value: 0.0  
CQS: 0.0  
TLCl: n/a  
TM-30 Rf: 0.0  
TM-30 Rg: 0.0  
Beam Angle (50%): 19.7°  
Field Angle (10%): 24.2°  
Cutoff Angle (3%): 25.1°

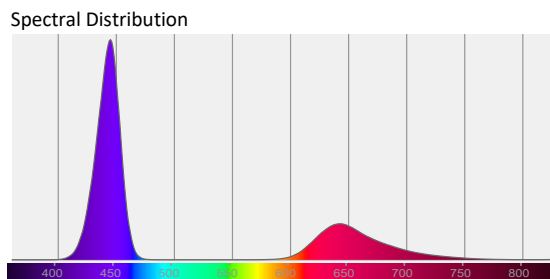
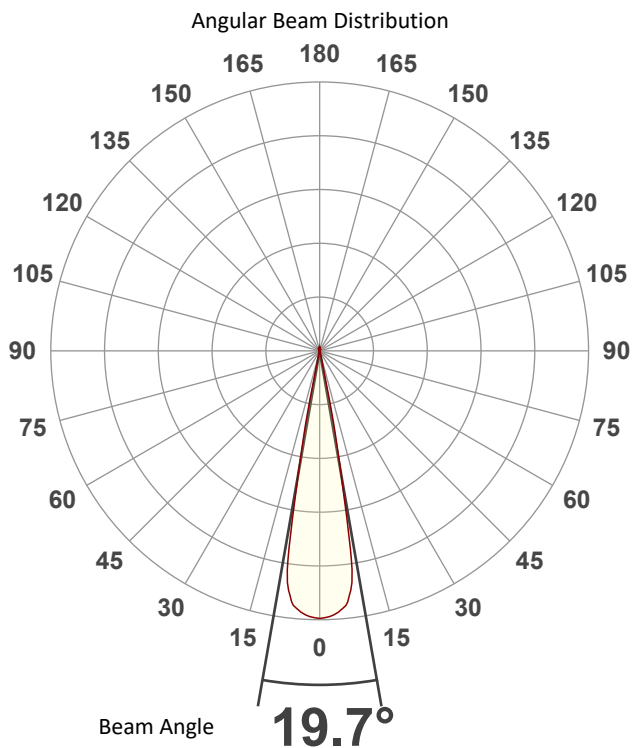
### Conditions

AC Supply: 115 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a



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 10/6/2022 to LM-63-2002 Standards.

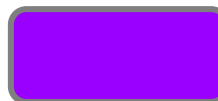
## Overall Measurement



Tested Color (CIE 1931):

X: 0.215

Y: 0.044



Light Quality

CRI: 0.0

Color Temperature

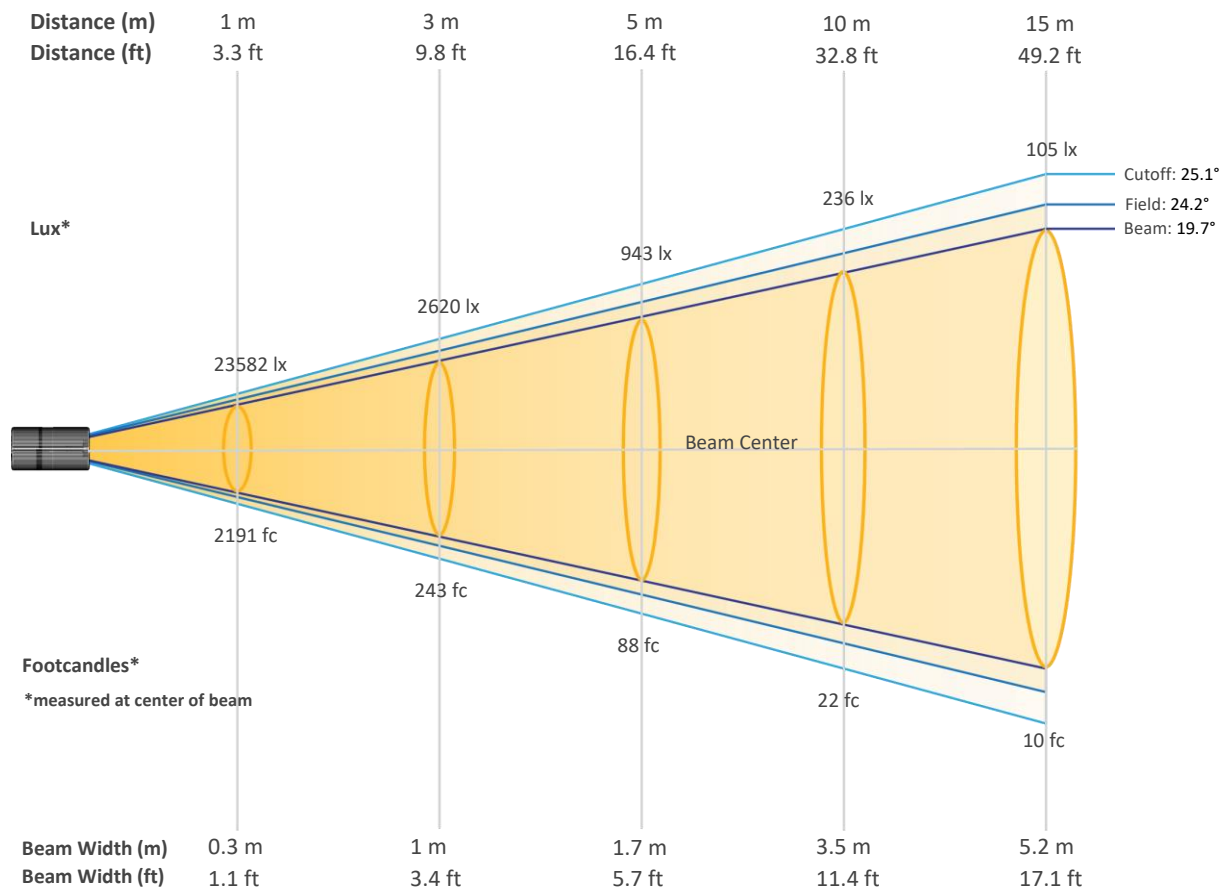
0 K



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Magenta - Full Power - Fans at Full

## Beam Details

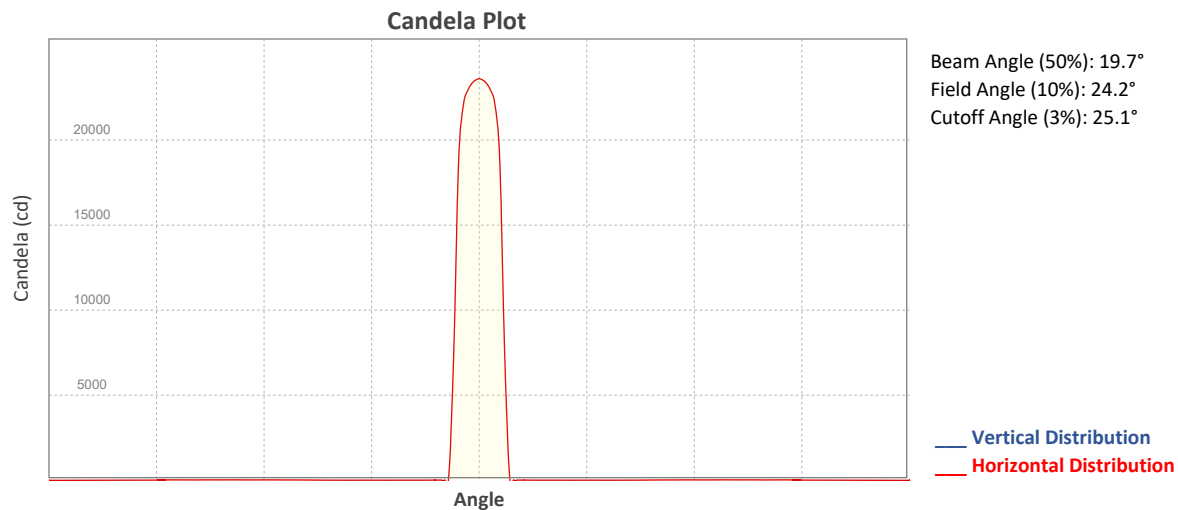


### Beam Intensities from 1-20m (3.3-65.6ft)

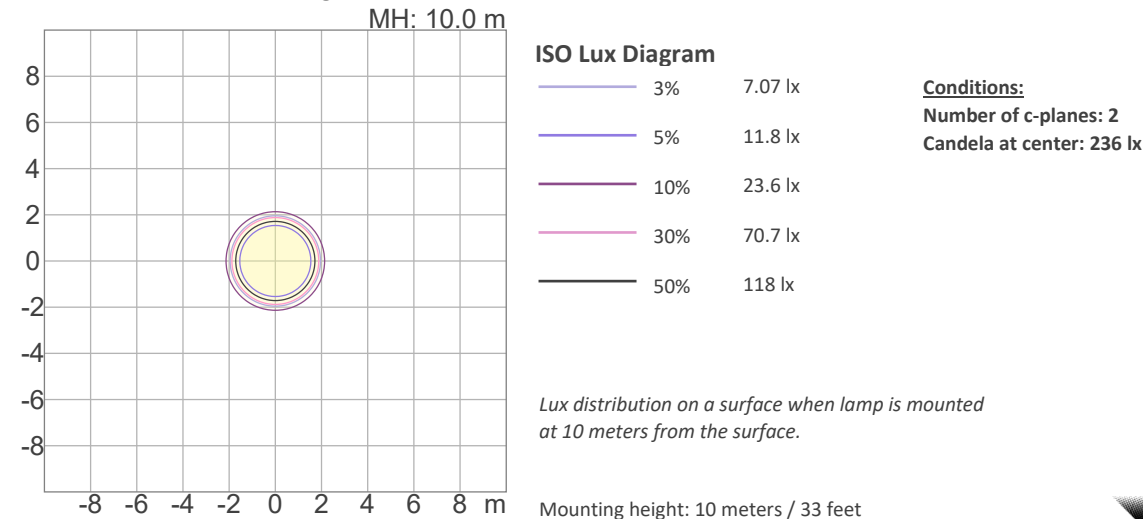
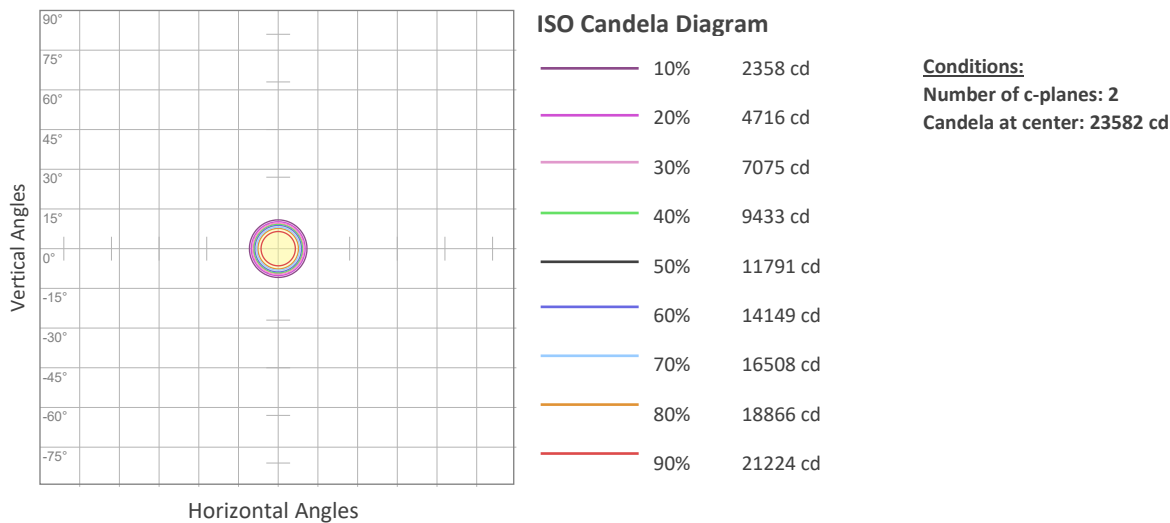
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	23582	5896	2620	1474	943	655	481	368	291	236
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	195	164	140	120	105	92	82	73	65	59
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2191	548	243	137	88	61	45	34	27	22
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	18	15	13	11	10	9	8	7	6	5

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Magenta - Full Power - Fans at Full



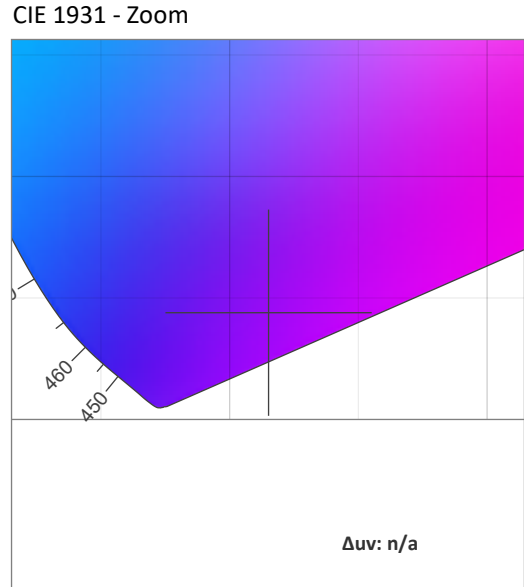
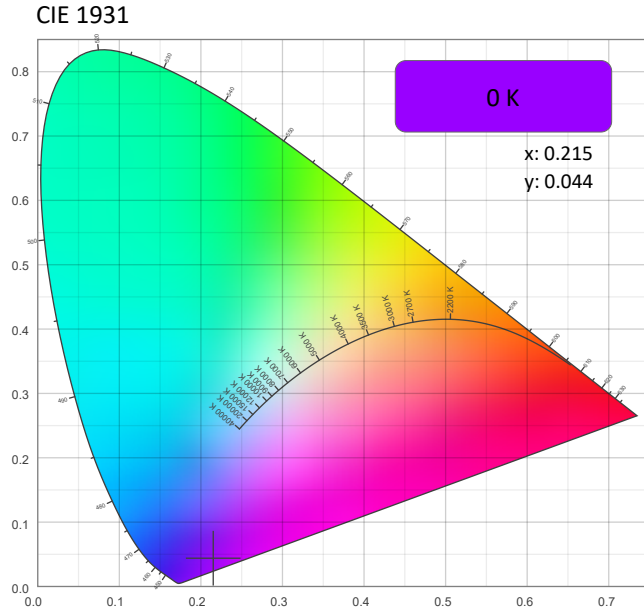
## ISO Diagrams



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Magenta - Full Power - Fans at Full

## Chromaticity



### CRI: 0.0 (R1-R8)

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15

### CQS: 0.0

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15

### Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.215	0.044

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
n/a	0.044	0.278

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
0.0	0.0	0.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
n/a	0.0	0.0

# Photometric & Chromaticity Report

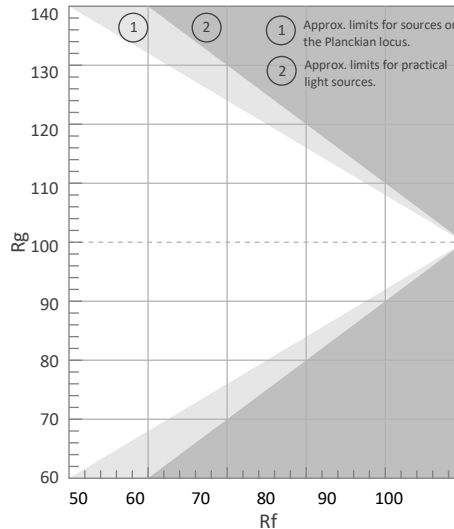
Maverick Storm 4 Profile: 50% Zoom-Magenta - Full Power - Fans at Full

## TM-30 Details

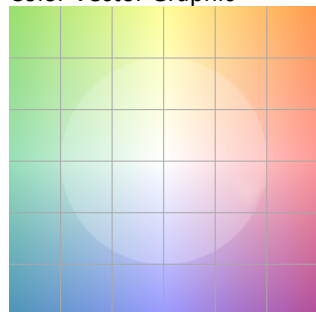
**Rf 0.0**  
Fidelity Index (Rg)

**Rg 0.0**  
Gammut Index (Rg)

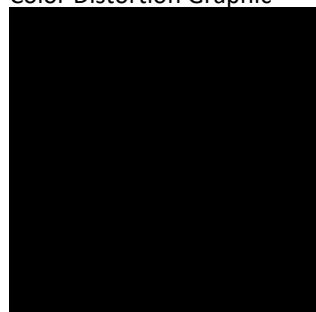
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



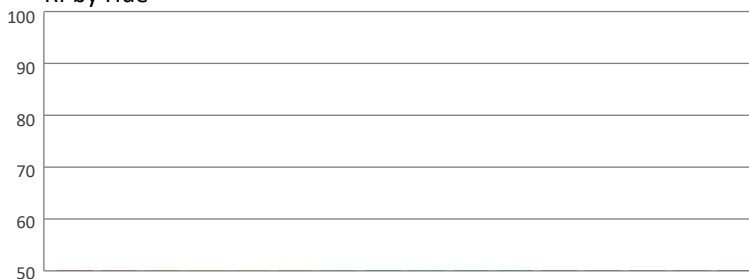
Color Vector Graphic



Color Distortion Graphic



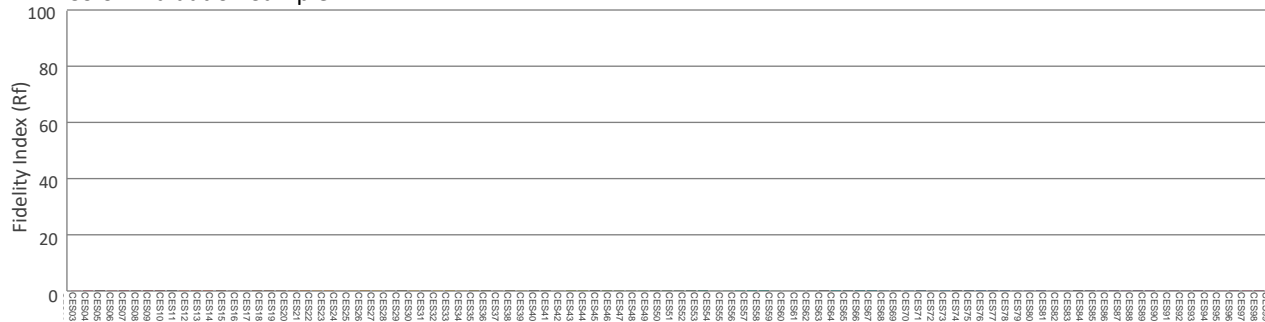
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Yellow - Full Power - Fans at Full

## Report Summary

### Measurements

Fixture Output: 44114 lm  
Fixture Peak: 433000 cd  
Fixture Efficacy: n/a lm/W  
Intensity @ 5m: 17320 lux  
Color Temperature: 3421 K  
CRI: 28.8      CRI R9 Value: -111.1  
CQS: 0.3  
TLCI: 2  
TM-30 Rf: 16.1  
TM-30 Rg: 12.5  
Beam Angle (50%): 20.7°  
Field Angle (10%): 24.4°  
Cutoff Angle (3%): 25.3°

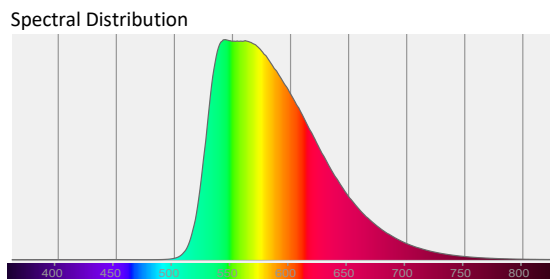
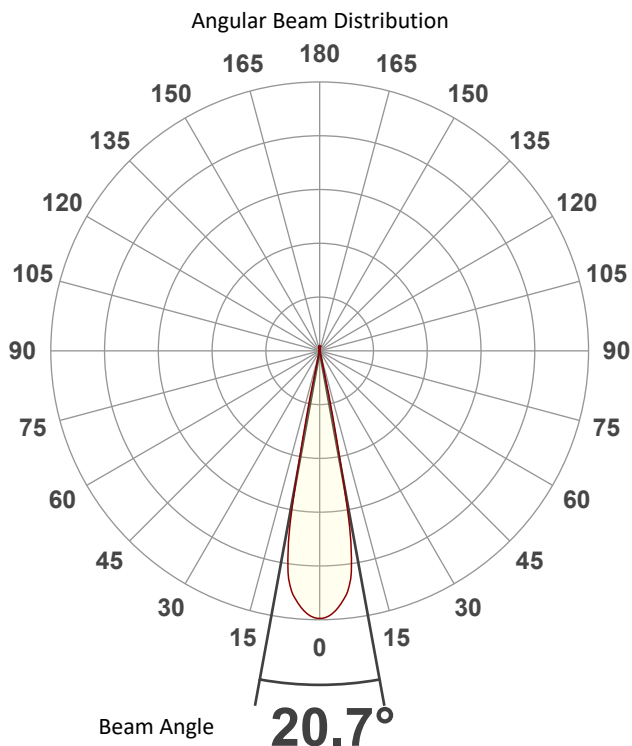


### Conditions

AC Supply: 116 V, 60.1 Hz  
Power: n/a W  
Current: 0.000 A  
Power Factor: n/a

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 10/6/2022 to LM-63-2002 Standards.

## Overall Measurement



Tested Color (CIE 1931):  
X: 0.463  
Y: 0.529

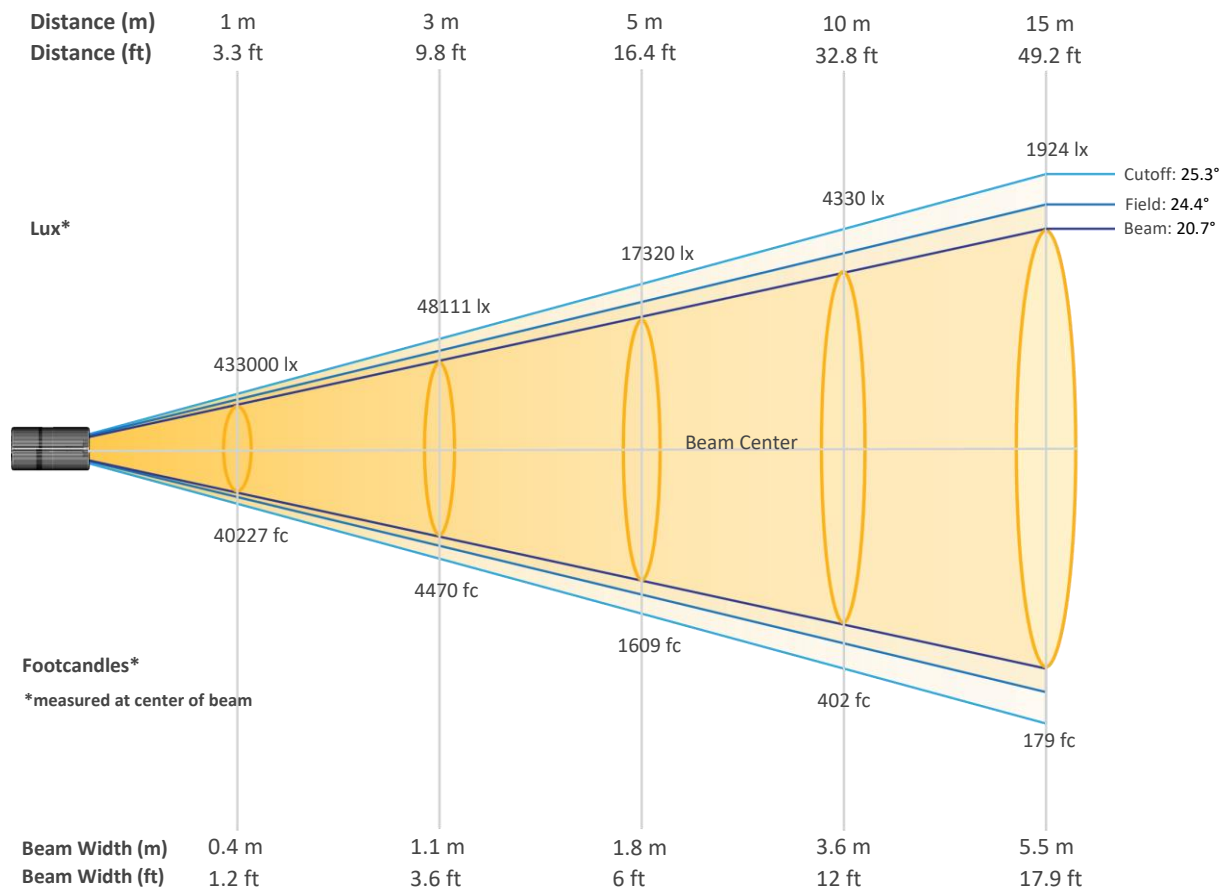
Light Quality  
CRI: 28.8

Color Temperature  
3421 K

# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Yellow - Full Power - Fans at Full

## Beam Details

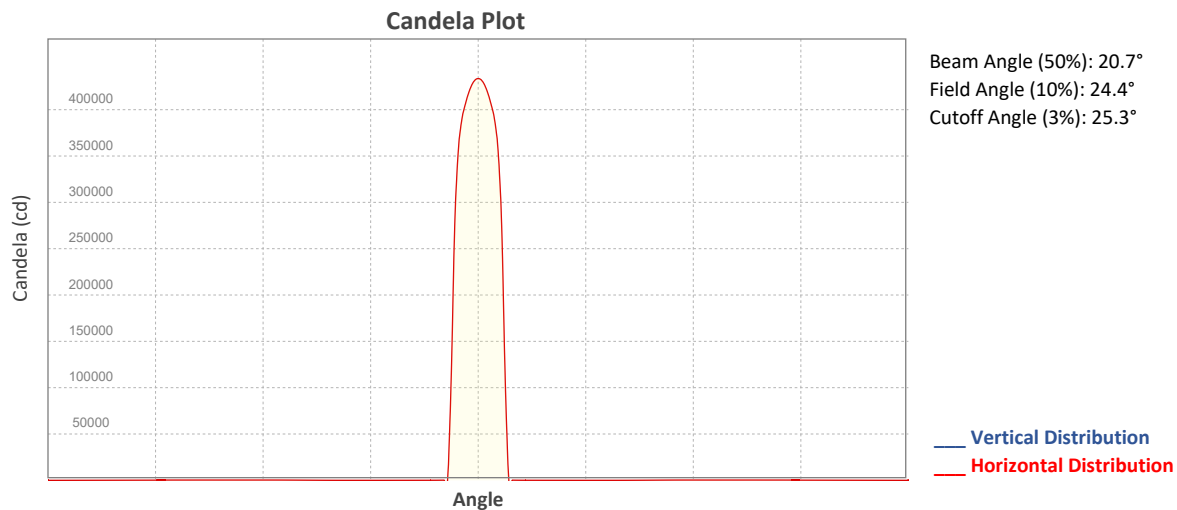


### Beam Intensities from 1-20m (3.3-65.6ft)

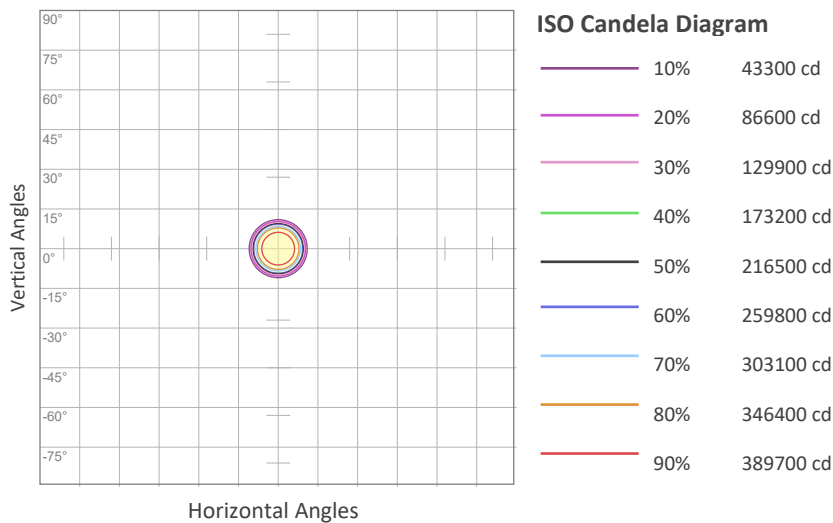
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	433000	108250	48111	27062	17320	12028	8837	6766	5346	4330
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	3579	3007	2562	2209	1924	1691	1498	1336	1199	1082
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	40227	10057	4470	2514	1609	1117	821	629	497	402
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	332	279	238	205	179	157	139	124	111	101

# Photometric & Chromaticity Report

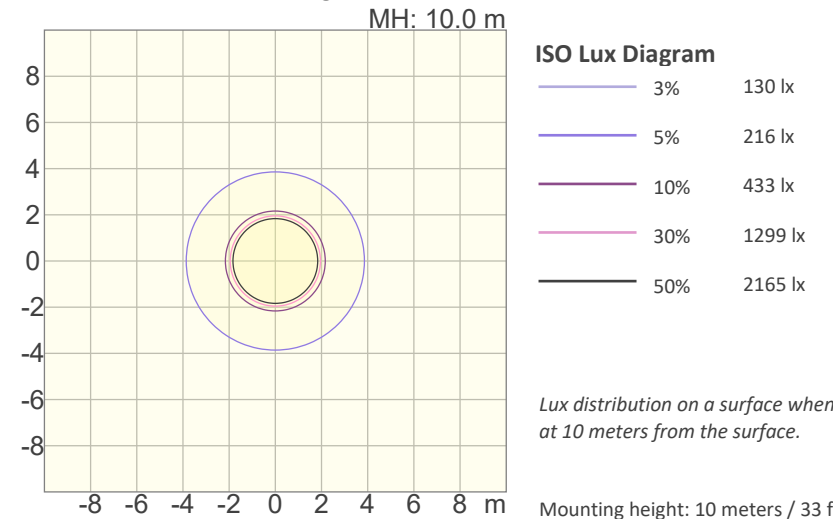
Maverick Storm 4 Profile: 50% Zoom-Yellow - Full Power - Fans at Full



## ISO Diagrams



**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 433000 cd



**Conditions:**  
 Number of c-planes: 2  
 Candela at center: 4330 lx

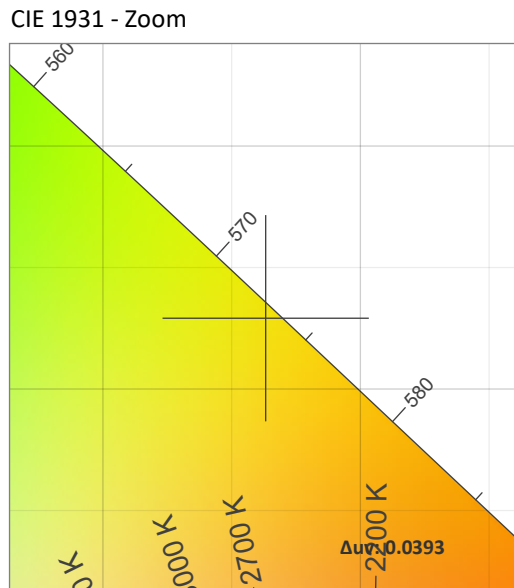
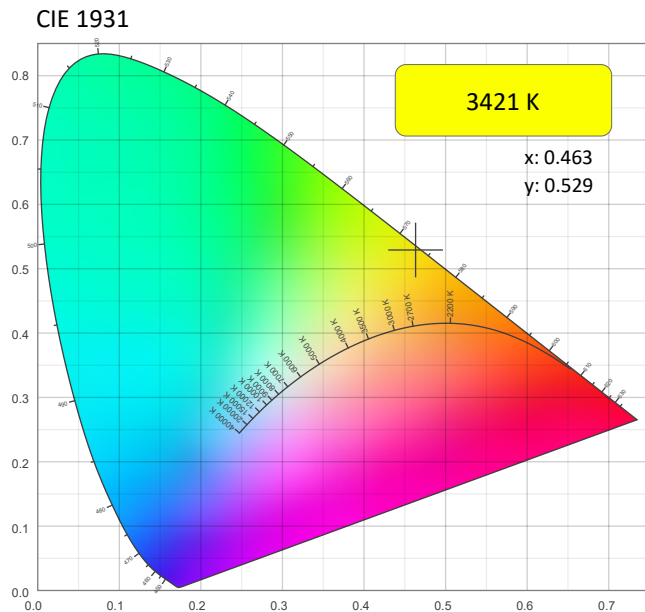
*Lux distribution on a surface when lamp is mounted at 10 meters from the surface.*



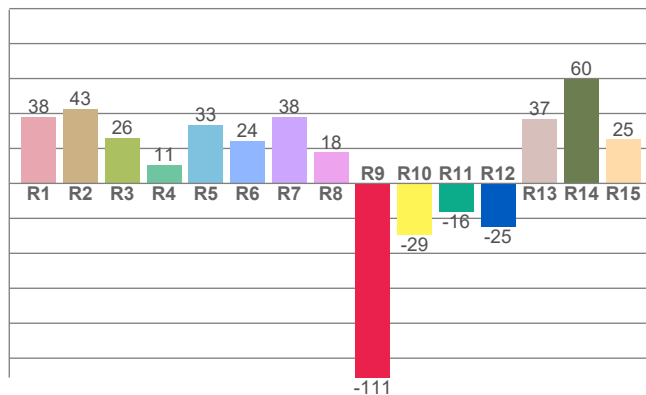
# Photometric & Chromaticity Report

Maverick Storm 4 Profile: 50% Zoom-Yellow - Full Power - Fans at Full

## Chromaticity



CRI: 28.8 (R1-R8)

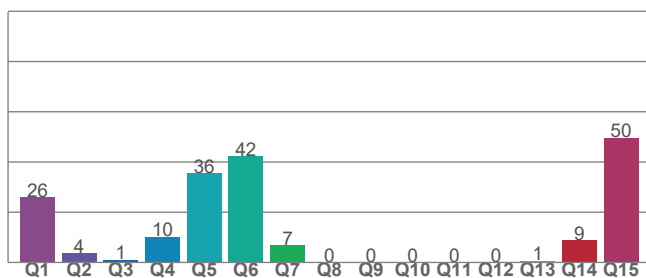


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3421 K	0.463	0.529

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
$\Delta uv$	y	u
0.0393	0.529	0.220

CQS: 0.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
28.8	-111.1	0.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
2	16.1	12.5



# Photometric & Chromaticity Report

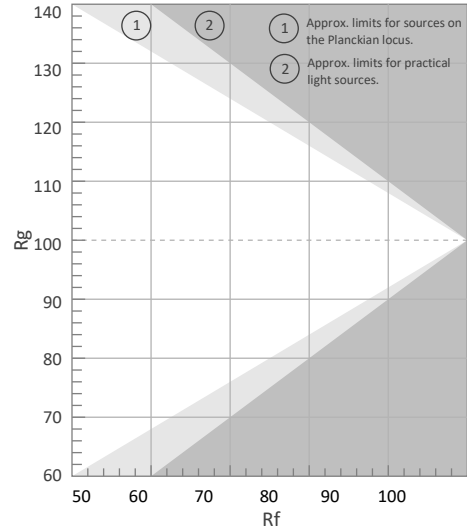
Maverick Storm 4 Profile: 50% Zoom-Yellow - Full Power - Fans at Full

## TM-30 Details

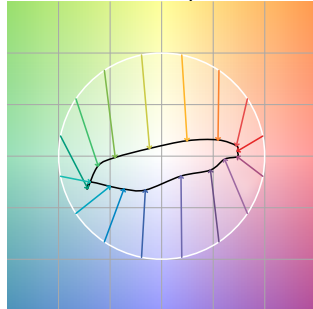
**Rf 16.1**  
Fidelity Index (Rg)

**Rg 12.5**  
Gammut Index (Rg)

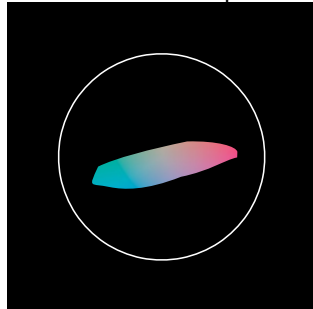
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	50	-27%	-10%
2	21	-34%	-32%
3	1	-57%	-37%
4	1	-80%	-21%
5	5	-90%	10%
6	1	-76%	38%
7	6	-54%	42%
8	12	-36%	45%
9	59	-27%	11%
10	38	-42%	-3%
11	14	-53%	-13%
12	14	-65%	-9%
13	7	-77%	15%
14	19	-63%	32%
15	19	-48%	31%
16	50	-28%	14%



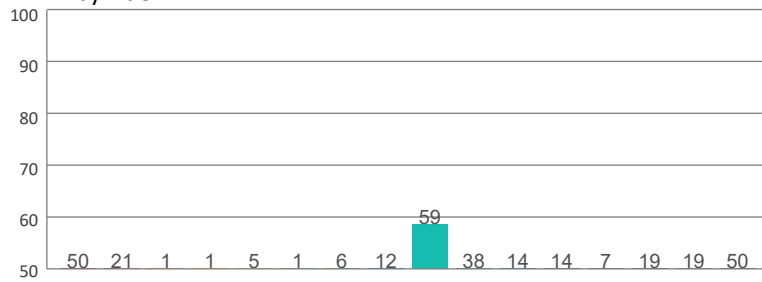
Color Vector Graphic



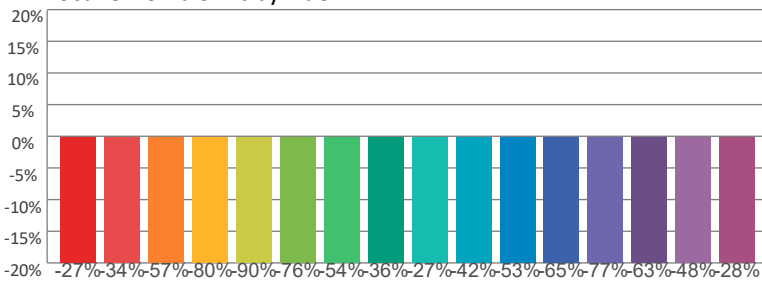
Color Distortion Graphic



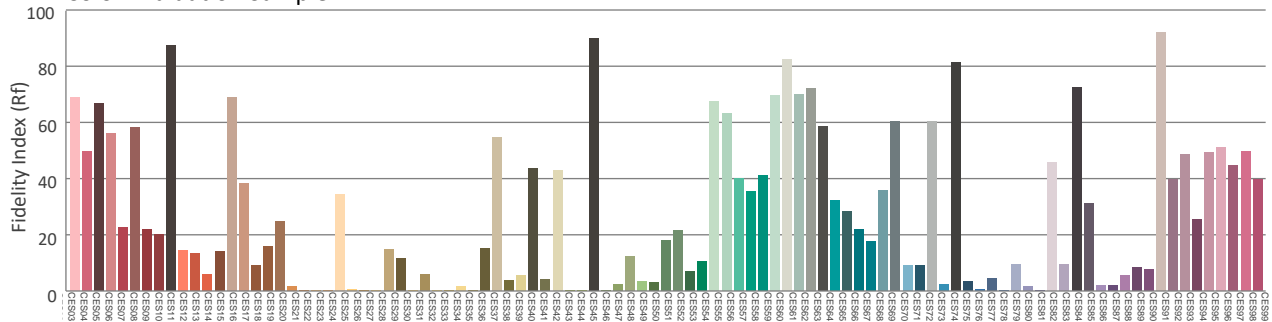
R<sub>f</sub> by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



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