

COLORADO *SOLO BAR* 6

PHOTOMETRICS REPORT



Table of Contents

Introduction	1
Testing Process	1
Total Illuminance Measurements.....	1
Testing Lab Equipment and Process.....	1
Photometrics & Chromaticity Reports	2
Standard Optics - Full Power	3
Report Summary.....	3
Overall Measurement.....	3
Beam Details.....	4
ISO Diagrams.....	5
Chromaticity.....	6
TM-30 Details.....	7
Standard Optics w/ CYC Filter - Full Power	8
Report Summary.....	8
Overall Measurement.....	8
Beam Details.....	9
ISO Diagrams.....	10
Chromaticity.....	11
TM-30 Details.....	12
Standard Optics w/ Half Filter - Full Power	13
Report Summary.....	13
Overall Measurement.....	13
Beam Details.....	14
ISO Diagrams.....	15
Chromaticity.....	16
TM-30 Details.....	17
Standard Optics w/ Stealth Filter - Full Power	18
Report Summary.....	18
Overall Measurement.....	18
Beam Details.....	19
ISO Diagrams.....	20
Chromaticity.....	21
TM-30 Details.....	22
Standard Optics - 3200K	23
Report Summary.....	23
Overall Measurement.....	23
Beam Details.....	24
ISO Diagrams.....	25
Chromaticity.....	26
TM-30 Details.....	27

Standard Optics - 4000K	28
Report Summary.....	28
Overall Measurement.....	28
Beam Details.....	29
ISO Diagrams	30
Chromaticity.....	31
TM-30 Details	32
Standard Optics - 5600K	33
Report Summary.....	33
Overall Measurement.....	33
Beam Details.....	34
ISO Diagrams	35
Chromaticity.....	36
TM-30 Details	37
Standard Optics - Red Only	38
Report Summary.....	38
Overall Measurement.....	38
Beam Details.....	39
ISO Diagrams	40
Chromaticity.....	41
TM-30 Details	42
Standard Optics - Green Only	43
Report Summary.....	43
Overall Measurement.....	43
Beam Details.....	44
ISO Diagrams	45
Chromaticity.....	46
TM-30 Details	47
Standard Optics - Blue Only	48
Report Summary.....	48
Overall Measurement.....	48
Beam Details.....	49
ISO Diagrams	50
Chromaticity.....	51
TM-30 Details	52
Standard Optics - Lime Only	53
Report Summary.....	53
Overall Measurement.....	53
Beam Details.....	54
ISO Diagrams	55
Chromaticity.....	56
TM-30 Details	57

Standard Optics - Warm White Only	58
Report Summary.....	58
Overall Measurement.....	58
Beam Details.....	59
ISO Diagrams.....	60
Chromaticity.....	61
TM-30 Details.....	62
Contact Us	63

Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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



Photometrics & Chromaticity Reports

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Full Power

Report Summary

Measurements

Fixture Output: 28189 lm
Fixture Peak: 162266 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 6491 lux
Color Temperature: 5889 K
CRI: 81.1 CRI R9 Value: 32.0
CQS: 88.4
TLCI: 75
TM-30 Rf: 84.9
TM-30 Rg: 112.6
Beam Angle (50%): 16.8°
Field Angle (10%): 36.2°
Cutoff Angle (3%): 68.7°

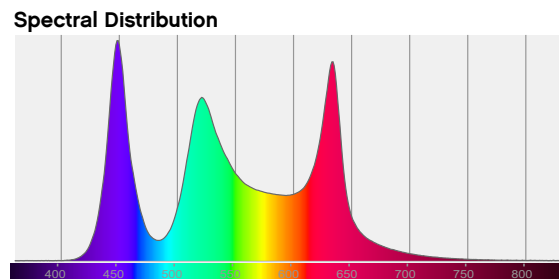
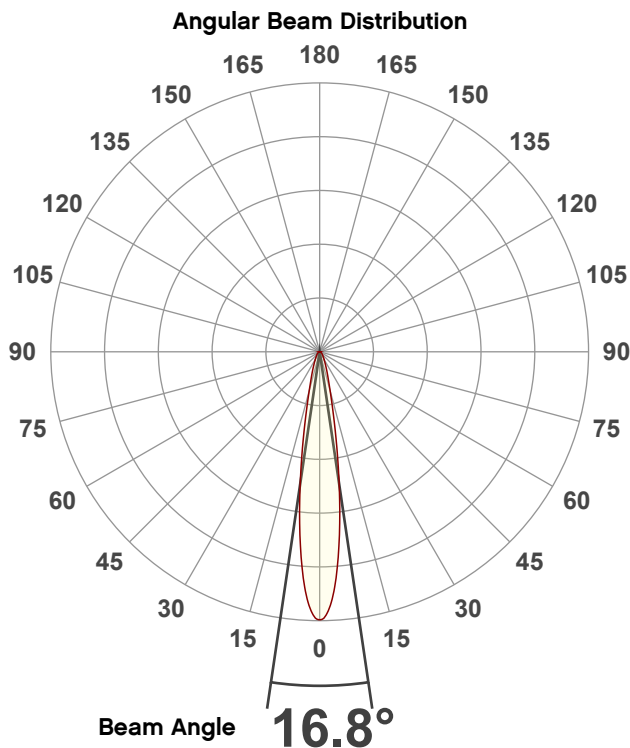


Conditions

AC Supply: 109 V, 60 Hz
Power: 595.53 W
Current: 5.48 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.324

Y: 0.340



Light Quality

CRI: 81.1

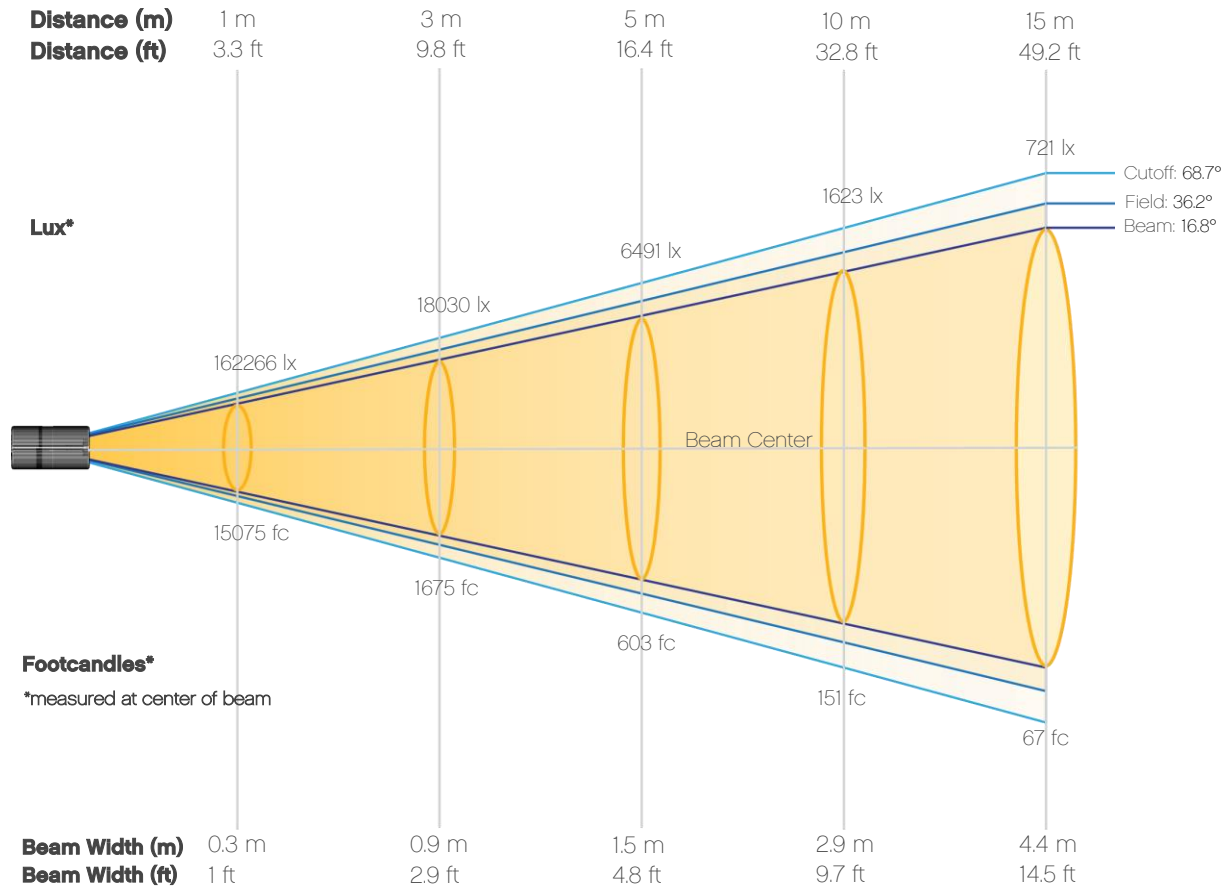
Color Temperature

5889 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Full Power

Beam Details

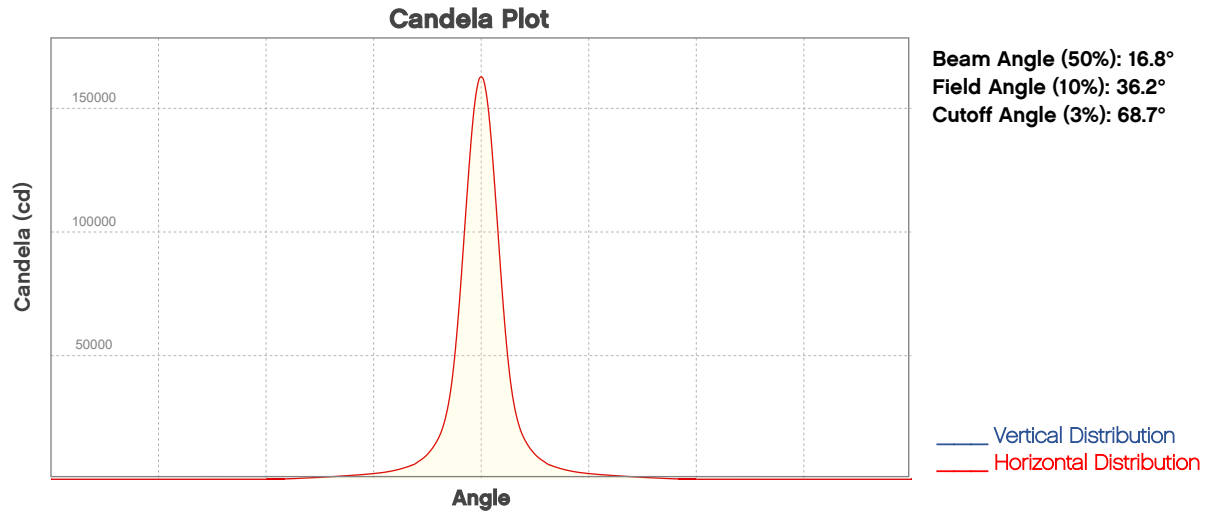


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	162266	40566	18030	10142	6491	4507	3312	2535	2003	1623
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1341	1127	960	828	721	634	561	501	449	406
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15075	3769	1675	942	603	419	308	236	186	151
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	125	105	89	77	67	59	52	47	42	38

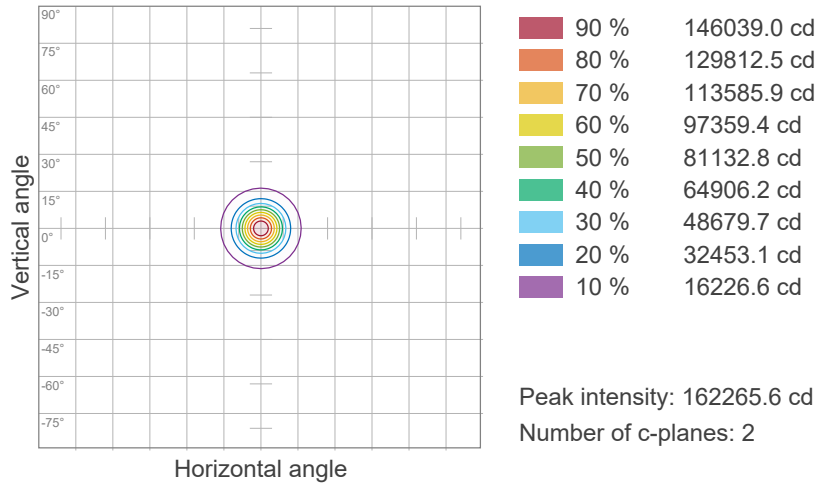
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Full Power

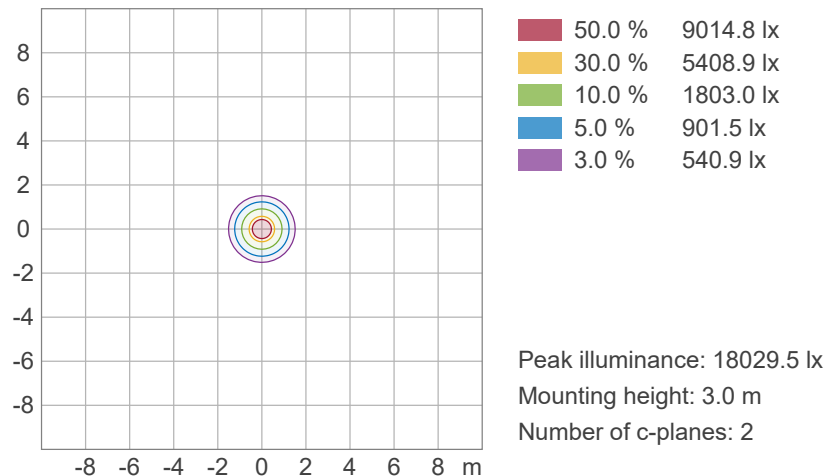


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

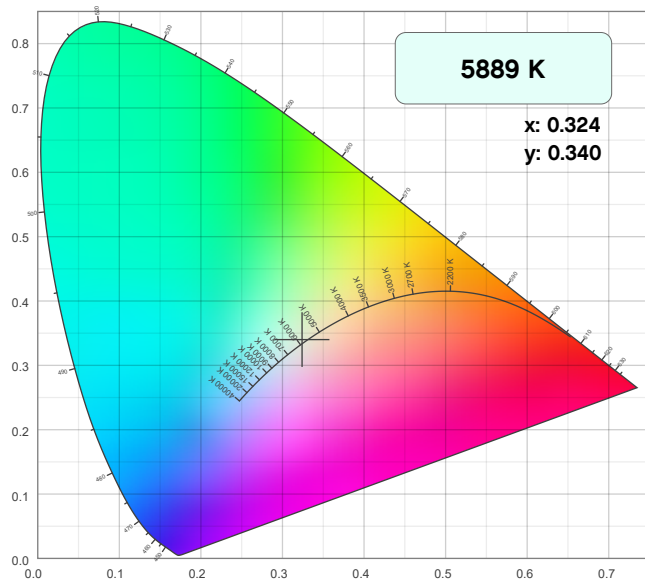


Photometric & Chromaticity Report

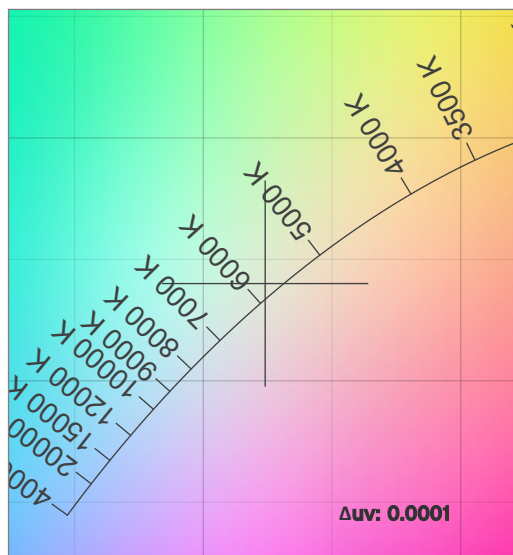
COLORado Solo Bar 6: Standard Optics - Full Power

Chromaticity

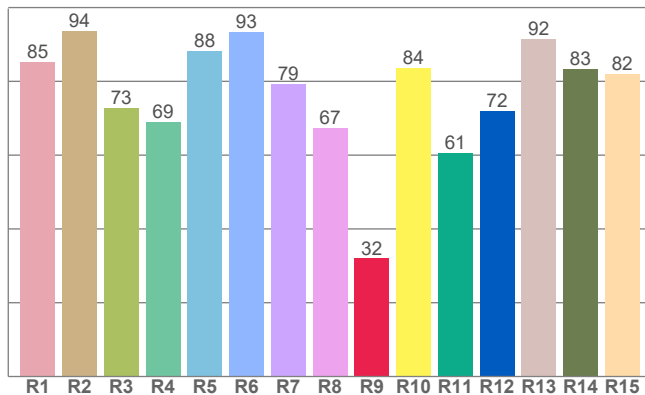
CIE 1931



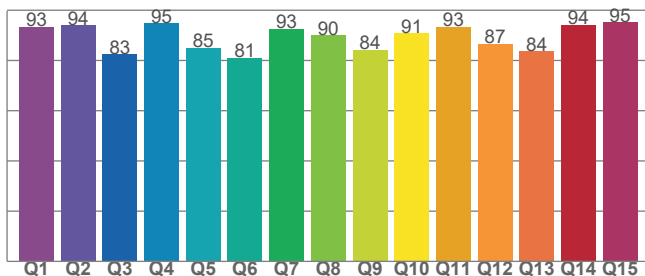
CIE 1931 - Zoom



CRI: 81.1 (R1-R8)



CQS: 88.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5889 K	0.324	0.340

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0001	0.340	0.201

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
81.1	32.0	88.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
75	84.9	112.6

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Full Power

TM-30 Details

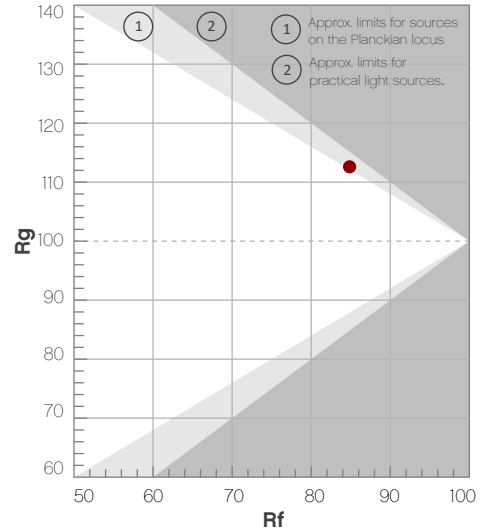
Rf 84.9

Fidelity Index
(R_f)

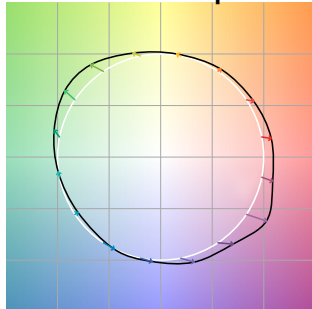
Rg 112.6

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	9%	-3%
2	88	5%	-5%
3	91	3%	-1%
4	92	1%	4%
5	85	4%	7%
6	81	12%	7%
7	80	13%	-2%
8	85	6%	-5%
9	91	0%	-5%
10	93	-4%	0%
11	81	-1%	12%
12	84	1%	11%
13	85	6%	12%
14	77	9%	11%
15	78	20%	5%
16	80	11%	-2%



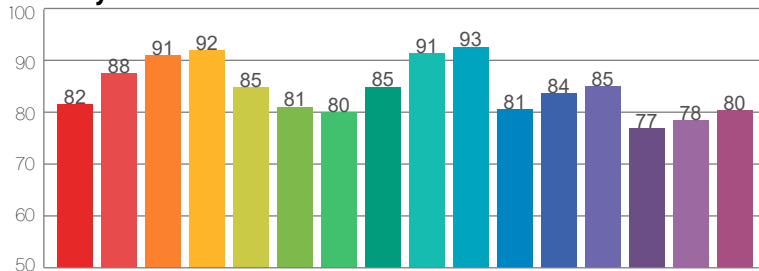
Color Vector Graphic



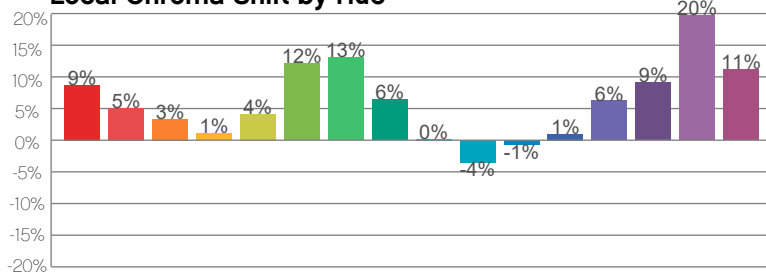
Color Distortion Graphic



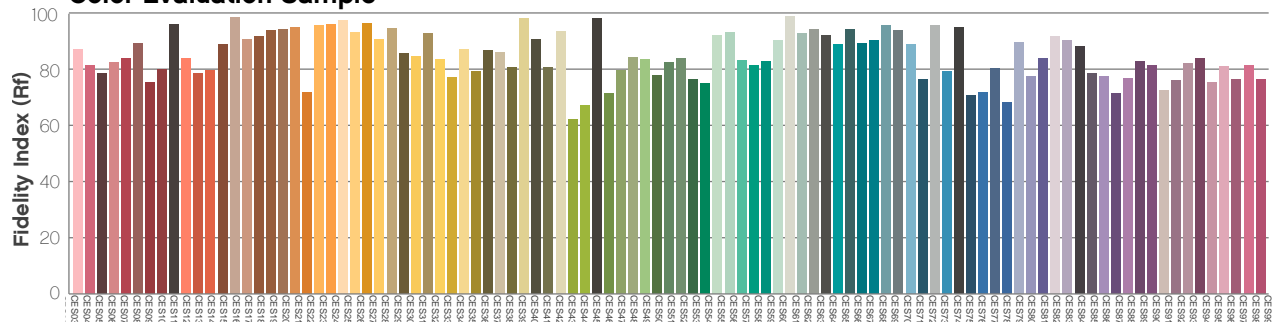
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ CYC Filter - Full Power

Report Summary

Measurements

Fixture Output: 32913 lm
Fixture Peak: 43473 cd
Fixture Efficacy: 57 lm/W
Intensity @ 5m: 1739 lux
Color Temperature: 8621 K
CRI: 56.0 CRI R9 Value: -115.3
CQS: 82.0
TLCI: 63
TM-30 Rf: 71.7
TM-30 Rg: 124.3
Beam Angle (50%): 40.7°
Field Angle (10%): 84.4°
Cutoff Angle (3%): 163.8°

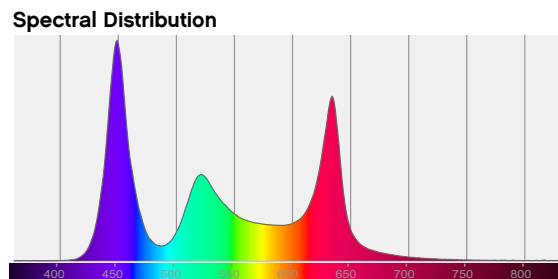
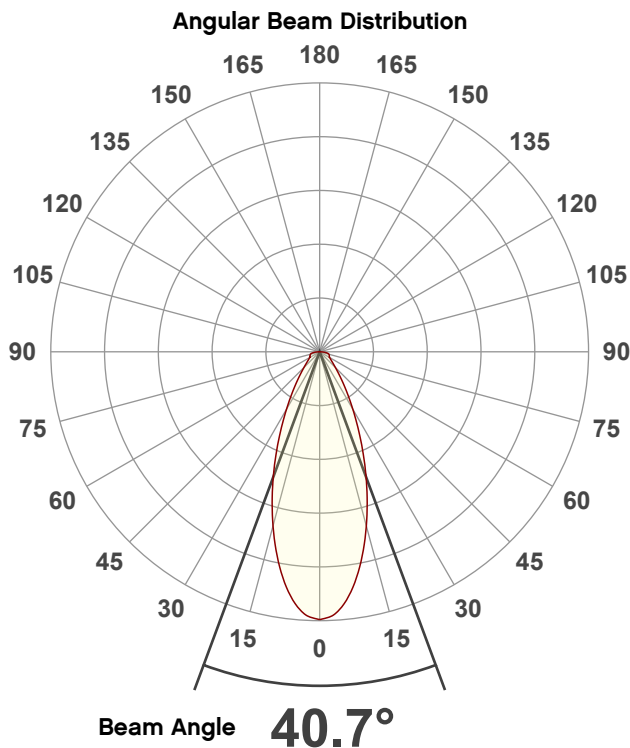


Conditions

AC Supply: 107 V, 60 Hz
Power: 584.38 W
Current: 5.44 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.304
Y: 0.264

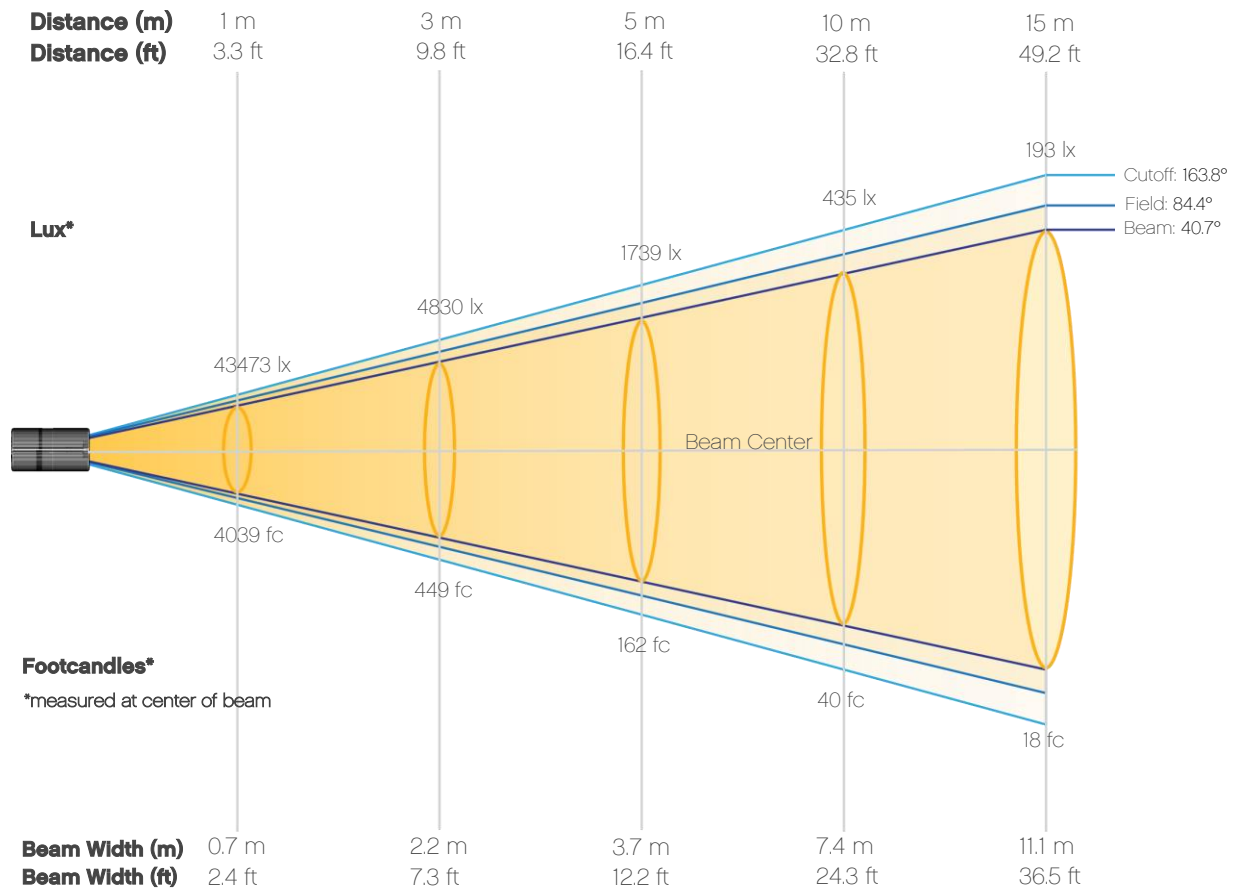
Light Quality
CRI: 56.0

Color Temperature
8621 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ CYC Filter - Full Power

Beam Details

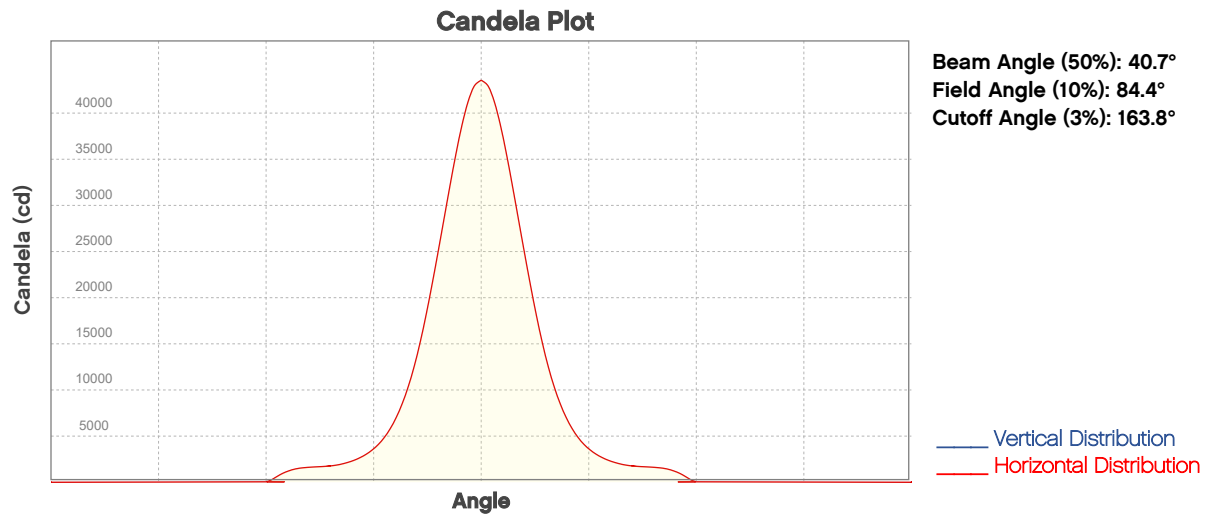


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	43473	10868	4830	2717	1739	1208	887	679	537	435
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	359	302	257	222	193	170	150	134	120	109
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4039	1010	449	252	162	112	82	63	50	40
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	33	28	24	21	18	16	14	12	11	10

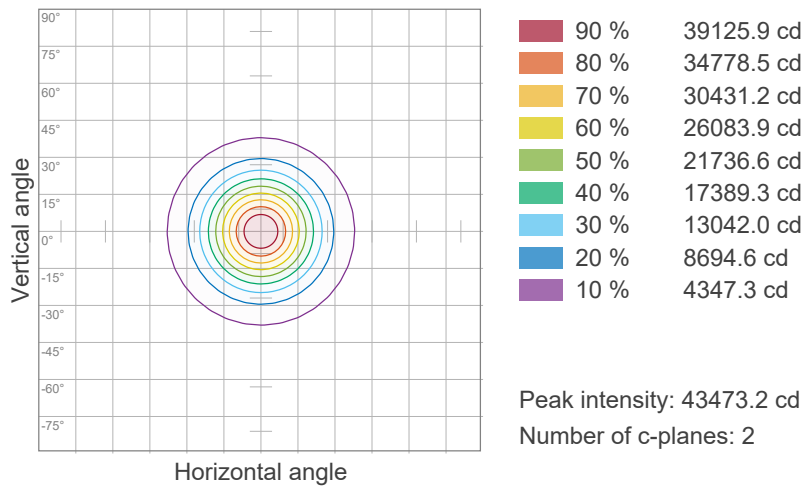
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ CYC Filter - Full Power

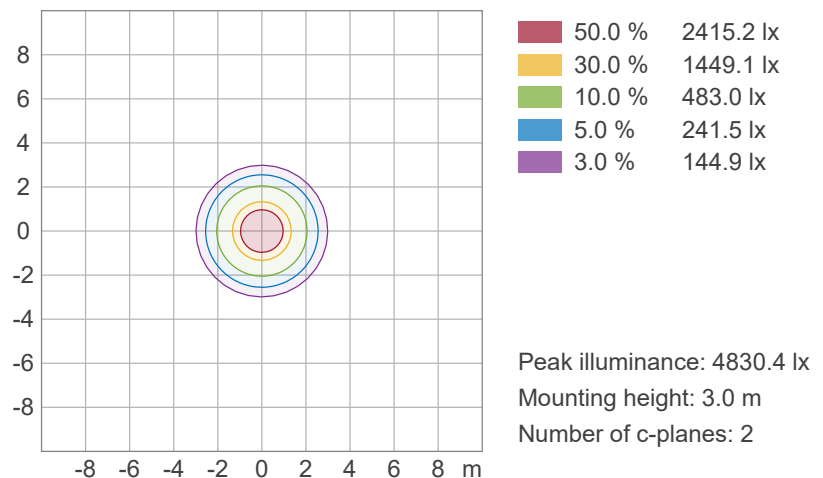


ISO Diagrams

ISO Candela Diagram



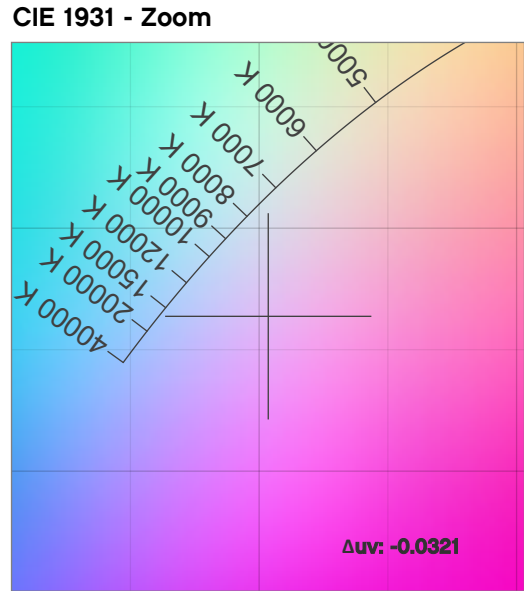
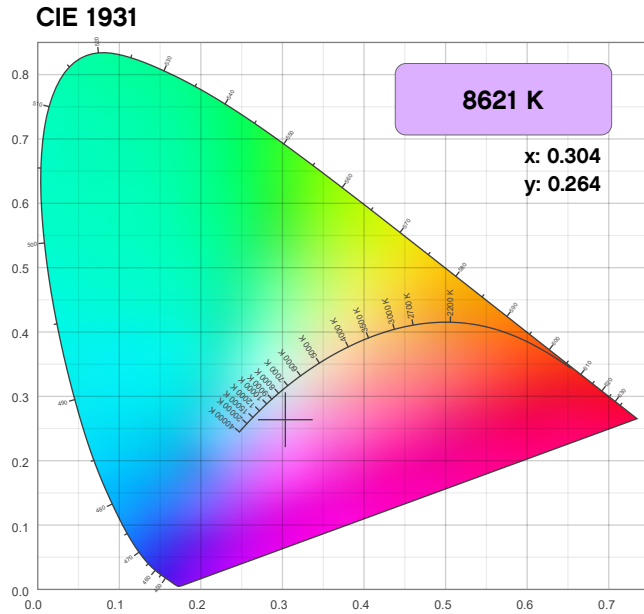
ISO Lux Diagram



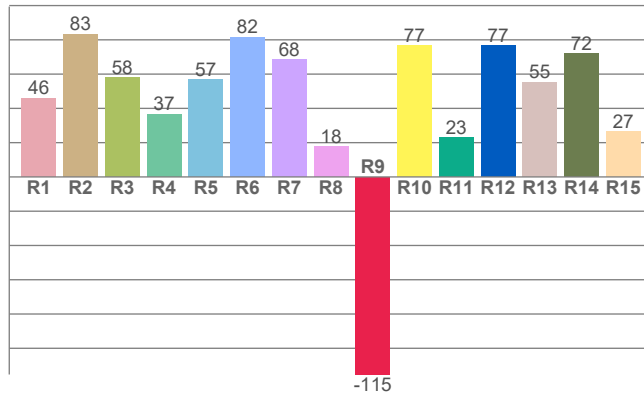
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ CYC Filter - Full Power

Chromaticity



CRI: 56.0 (R1-R8)

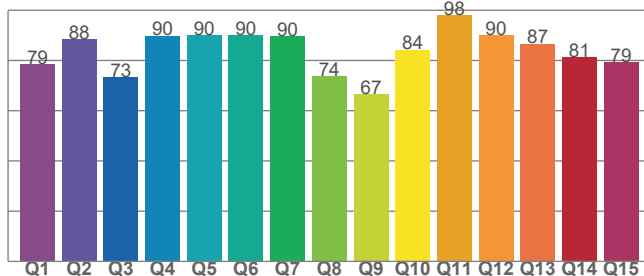


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8621 K	0.304	0.264

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0321	0.264	0.218

CQS: 82.0



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
56.0	-115.3	82.0

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
63	71.7	124.3

Photometric & Chromaticity Report

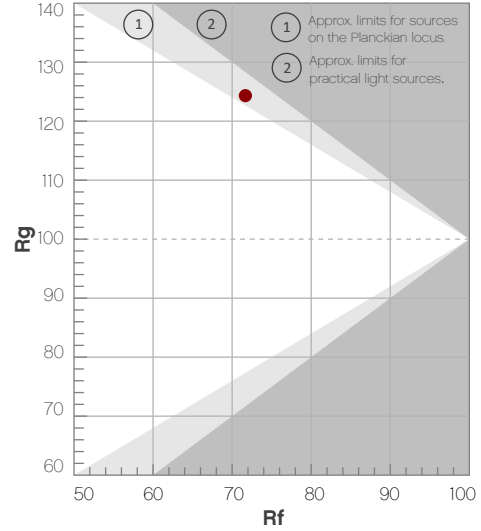
COLORado Solo Bar 6: Standard Optics w/ CYC Filter - Full Power

TM-30 Details

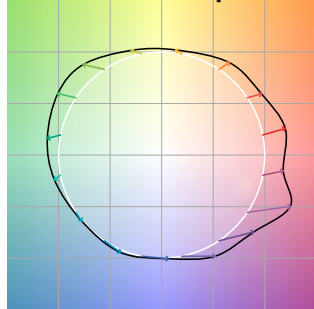
Rf 71.7
Fidelity Index
(Rg)

Rg 124.3
Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	58	23%	2%
2	71	13%	-4%
3	79	11%	-5%
4	87	3%	7%
5	79	5%	9%
6	70	15%	15%
7	74	17%	6%
8	69	12%	6%
9	87	7%	3%
10	85	0%	10%
11	62	1%	19%
12	66	-3%	26%
13	62	6%	32%
14	51	12%	33%
15	55	31%	28%
16	62	19%	8%



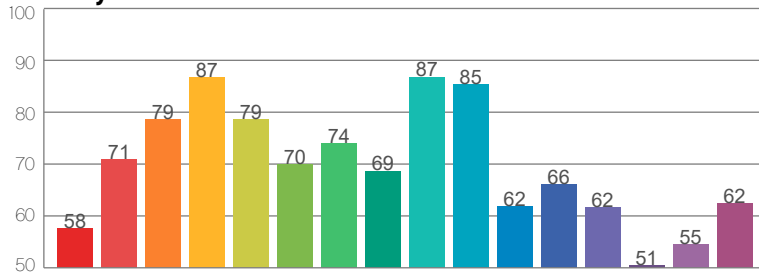
Color Vector Graphic



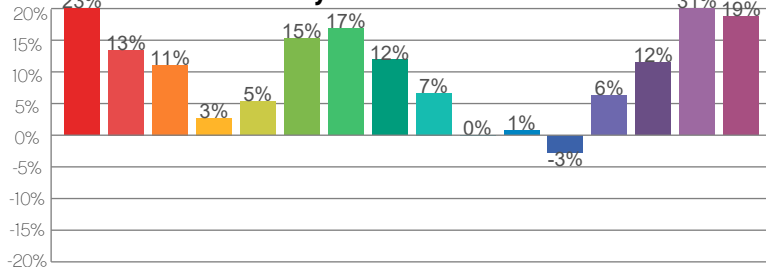
Color Distortion Graphic



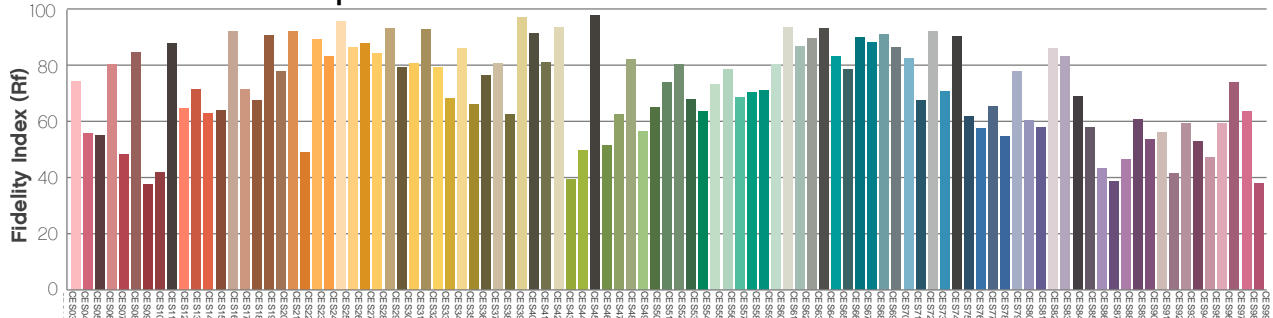
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLOrado Solo Bar 6: Standard Optics w/ Half Filter - Full Power

Report Summary

Measurements

Fixture Output: 23920 lm
Fixture Peak: 94694 cd
Fixture Efficacy: 41 lm/W
Intensity @ 5m: 3788 lux
Color Temperature: 8790 K
CRI: 56.3 CRI R9 Value: -113.7
CQS: 82.1
TLCI: 64
TM-30 Rf: 71.7
TM-30 Rg: 124.2
Beam Angle (50%): 18.9°
Field Angle (10%): 46.8°
Cutoff Angle (3%): 90.4°

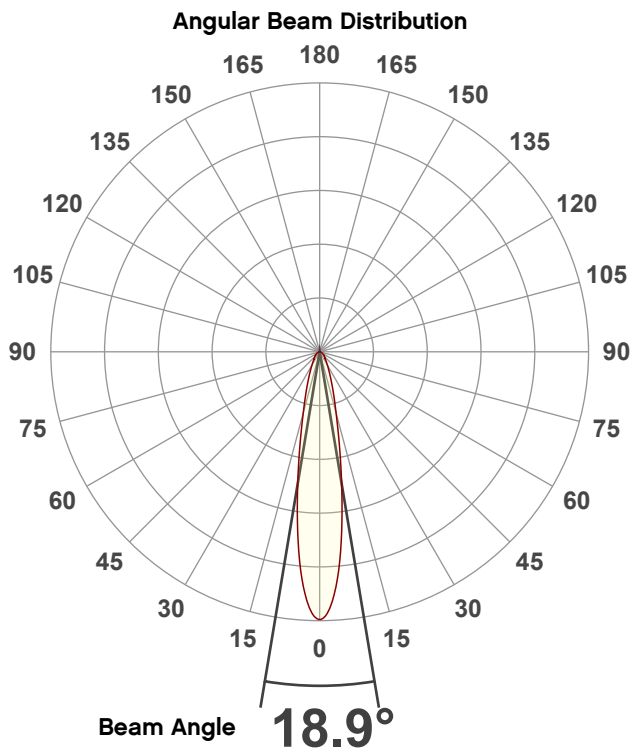


Conditions

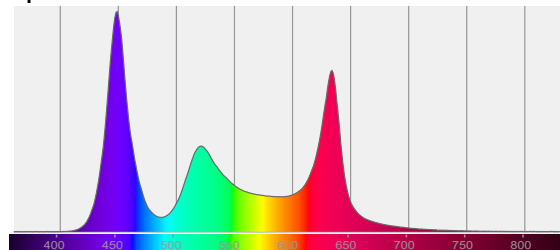
AC Supply: 108 V, 60 Hz
Power: 591.86 W
Current: 5.50 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.303

Y: 0.263



Light Quality

CRI: 56.3

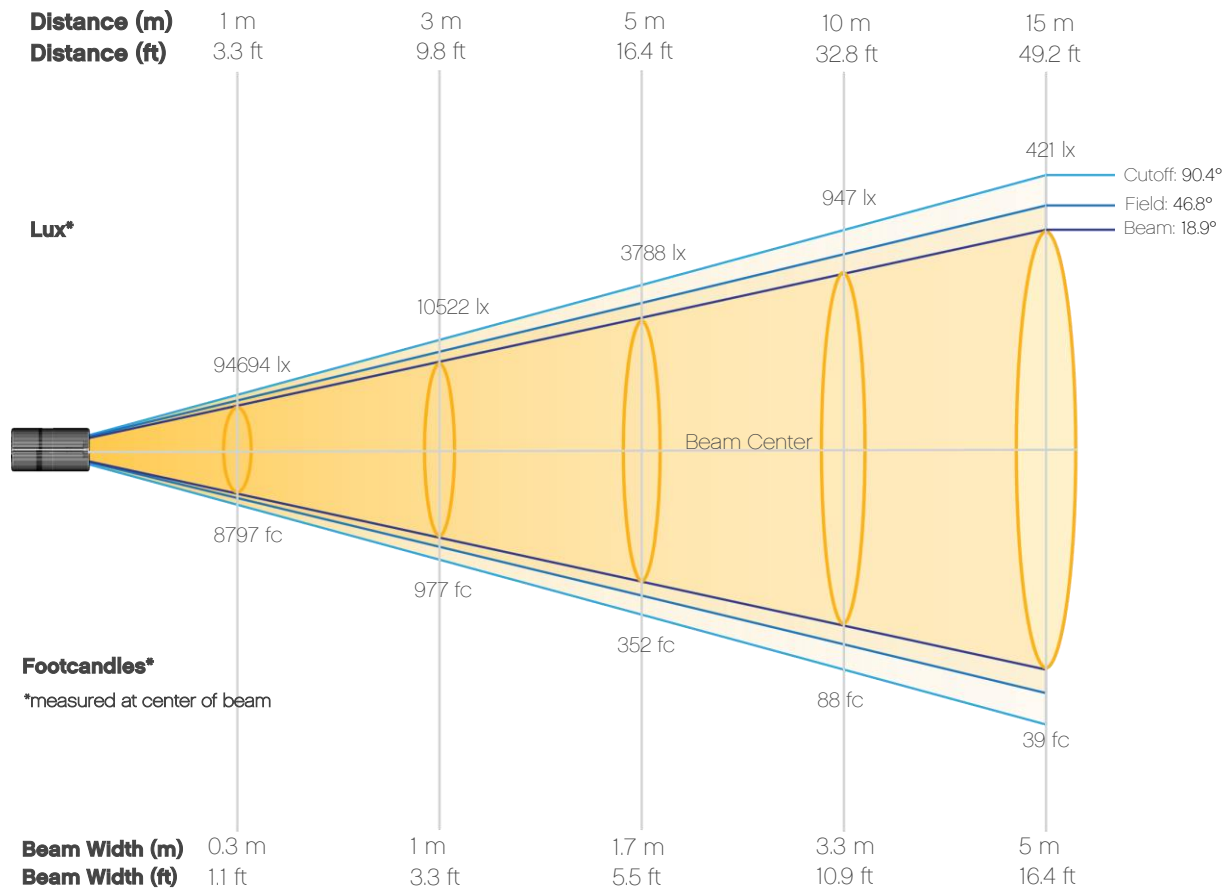
Color Temperature

8790 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Half Filter - Full Power

Beam Details

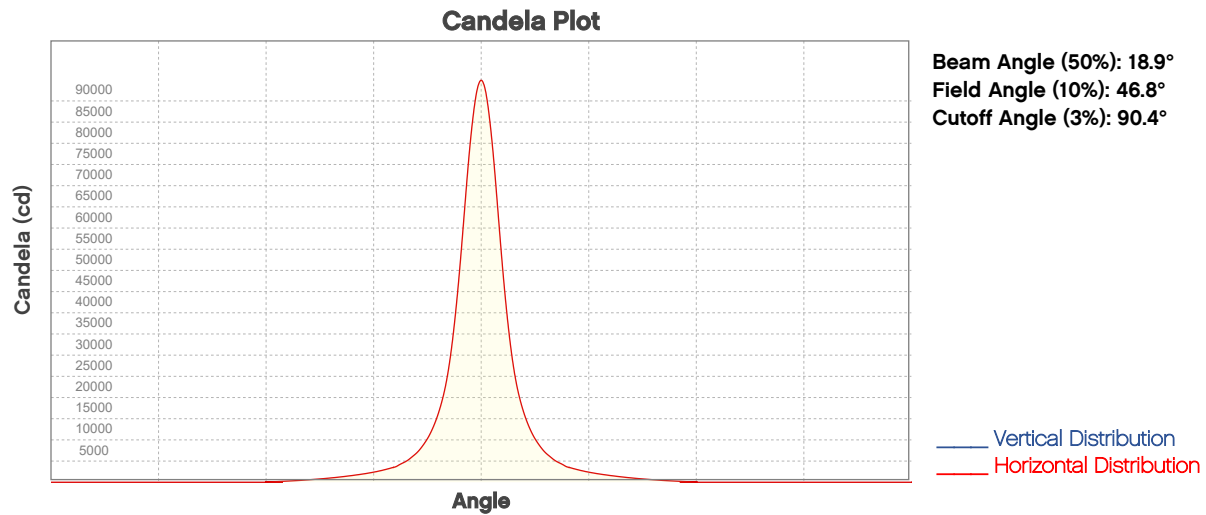


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	94694	23673	10522	5918	3788	2630	1933	1480	1169	947
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	783	658	560	483	421	370	328	292	262	237
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8797	2199	977	550	352	244	180	137	109	88
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	73	61	52	45	39	34	30	27	24	22

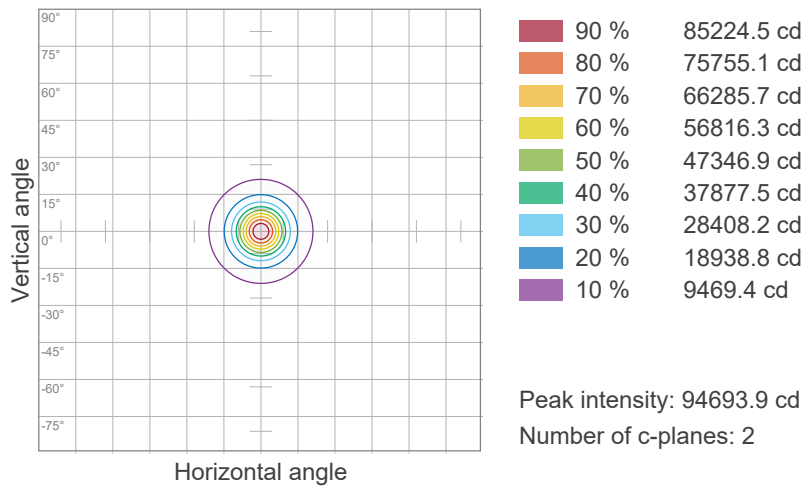
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Half Filter - Full Power

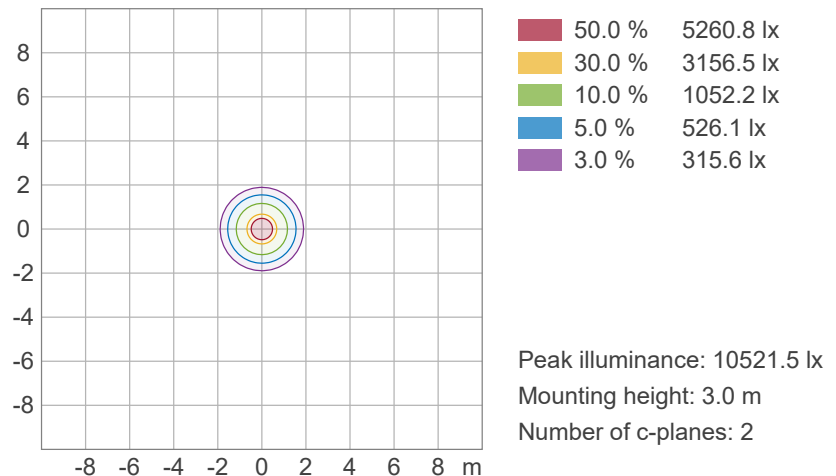


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

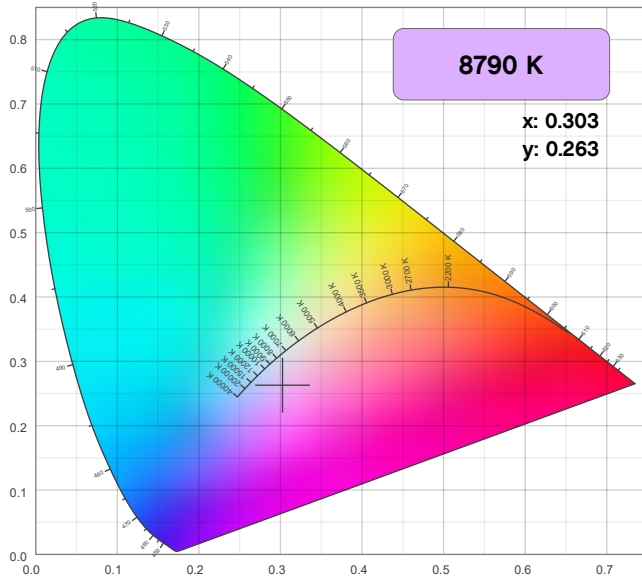


Photometric & Chromaticity Report

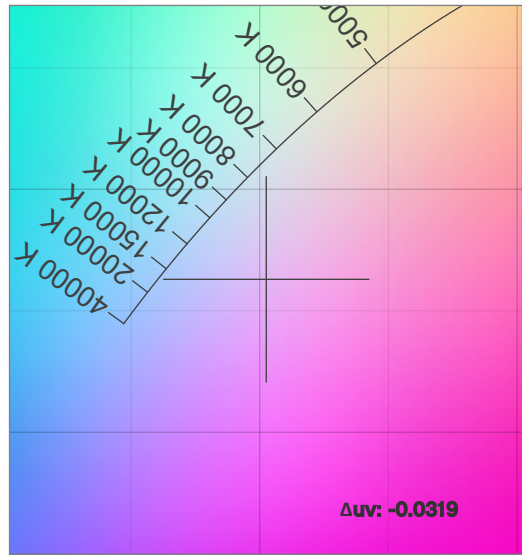
COLORado Solo Bar 6: Standard Optics w/ Half Filter - Full Power

Chromaticity

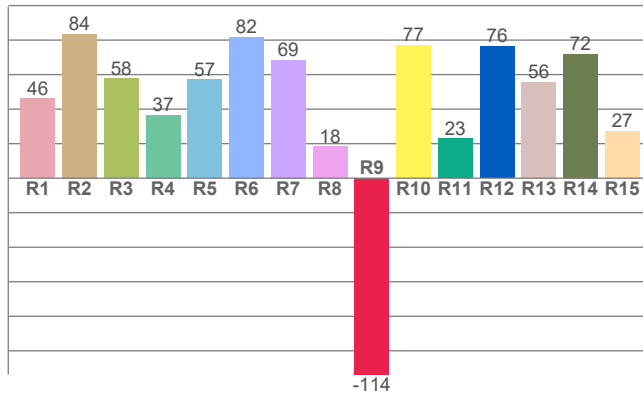
CIE 1931



CIE 1931 - Zoom



CRI: 56.3 (R1-R8)

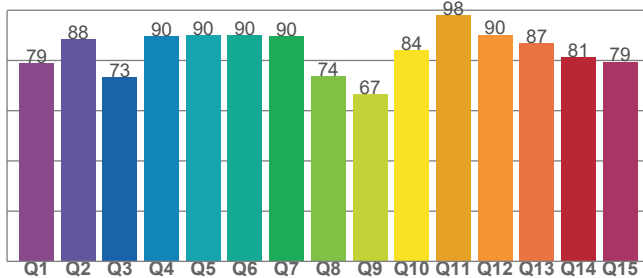


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8790 K	0.303	0.263

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0319	0.263	0.218

CQS: 82.1



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
56.3	-113.7	82.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
64	71.7	124.2

Photometric & Chromaticity Report

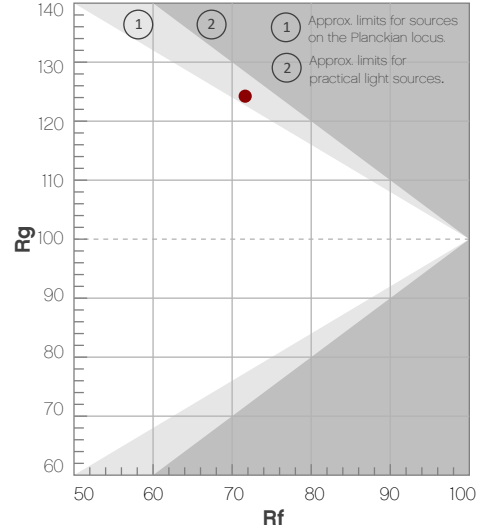
COLORado Solo Bar 6: Standard Optics w/ Half Filter - Full Power

TM-30 Details

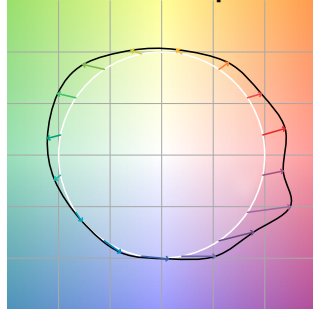
Rf 71.7
Fidelity Index
(Rg)

Rg 124.2
Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	58	22%	2%
2	71	13%	-4%
3	78	10%	-4%
4	87	3%	6%
5	79	5%	9%
6	70	15%	15%
7	74	17%	6%
8	69	12%	6%
9	87	7%	3%
10	85	0%	10%
11	61	1%	19%
12	66	-3%	26%
13	62	6%	32%
14	51	12%	33%
15	55	31%	28%
16	62	19%	8%



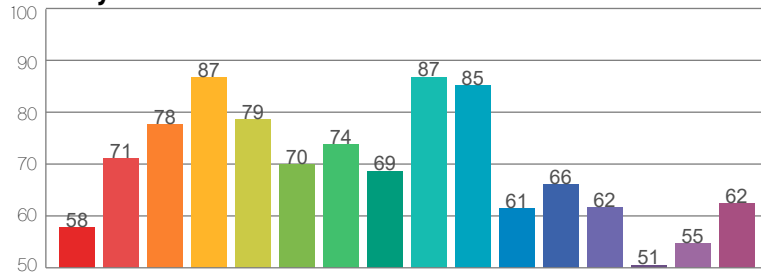
Color Vector Graphic



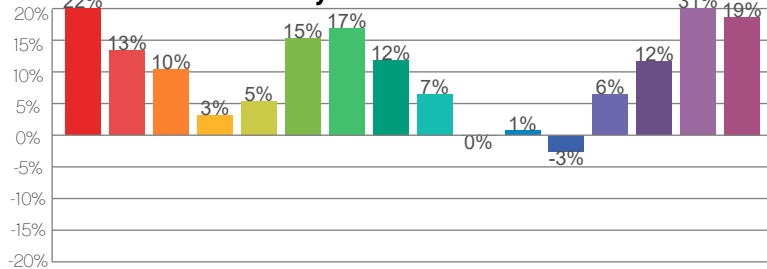
Color Distortion Graphic



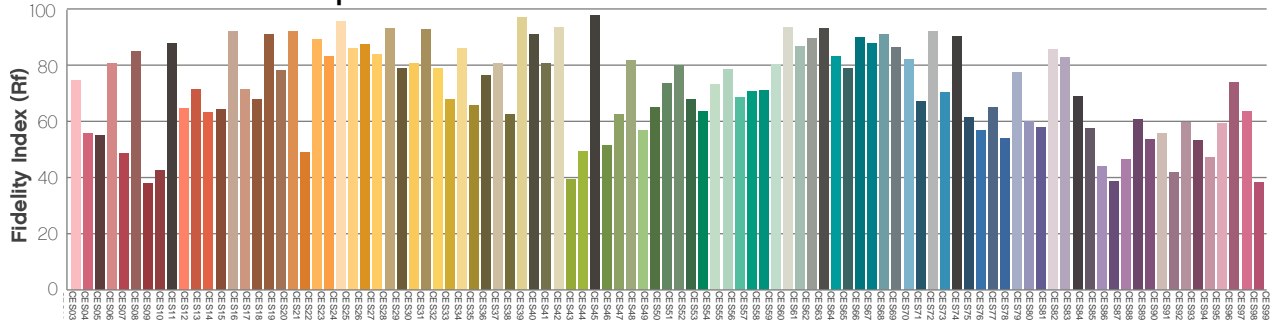
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Stealth Filter - Full Power

Report Summary

Measurements

Fixture Output: 8571 lm
Fixture Peak: 23305 cd
Fixture Efficacy: 15 lm/W
Intensity @ 5m: 932 lux
Color Temperature: 7974 K
CRI: 58.6 CRI R9 Value: -101.1
CQS: 82.8
TLCI: 62
TM-30 Rf: 73.7
TM-30 Rg: 123.3
Beam Angle (50%): 25°
Field Angle (10%): 61.2°
Cutoff Angle (3%): 102.2°

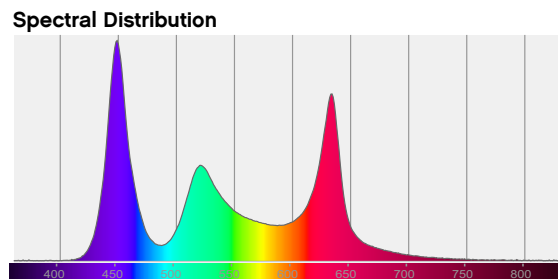
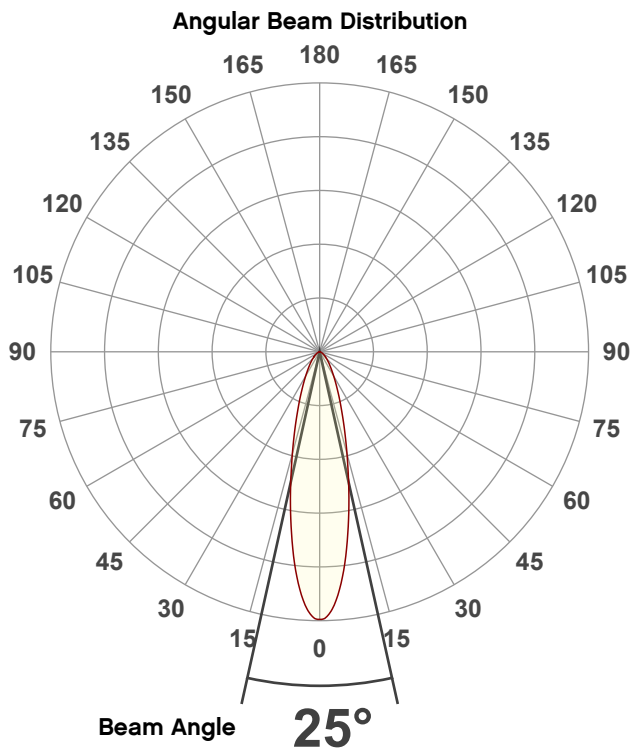


Conditions

AC Supply: 108 V, 60 Hz
Power: 590.05 W
Current: 5.48 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.306

Y: 0.273



Light Quality

CRI: 58.6

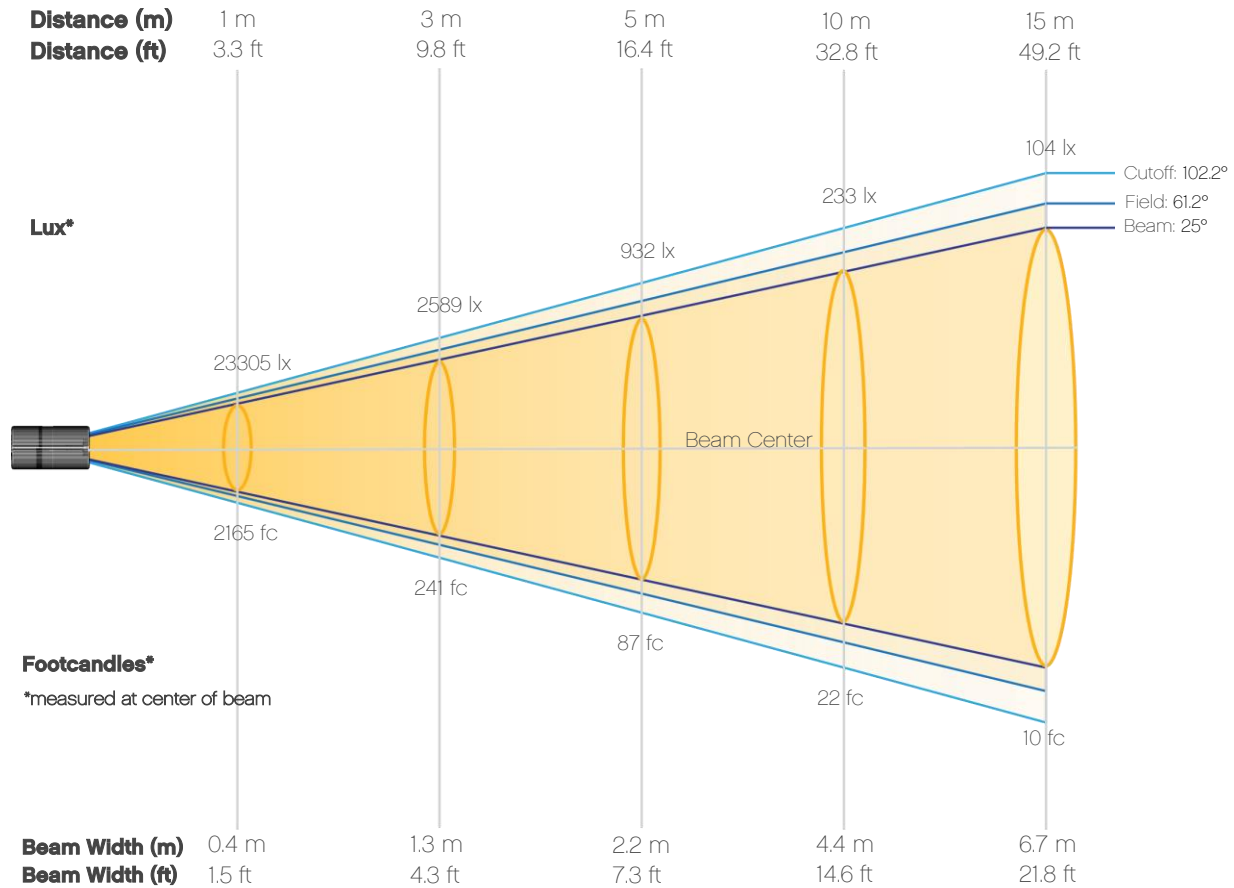
Color Temperature

7974 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Stealth Filter - Full Power

Beam Details

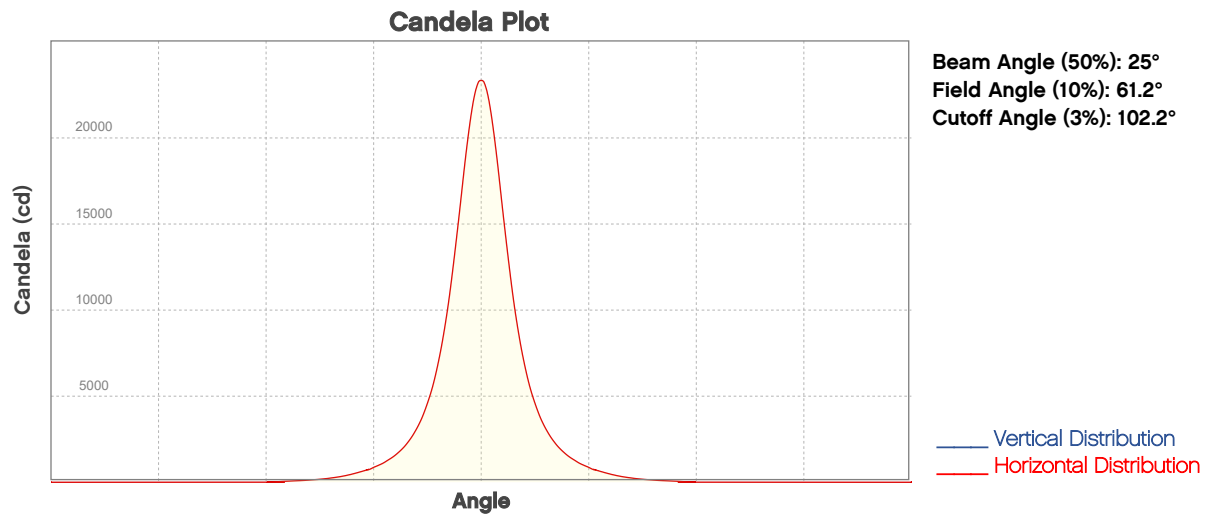


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	23305	5826	2589	1457	932	647	476	364	288	233
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	193	162	138	119	104	91	81	72	65	58
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2165	541	241	135	87	60	44	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	8	7	7	6	5

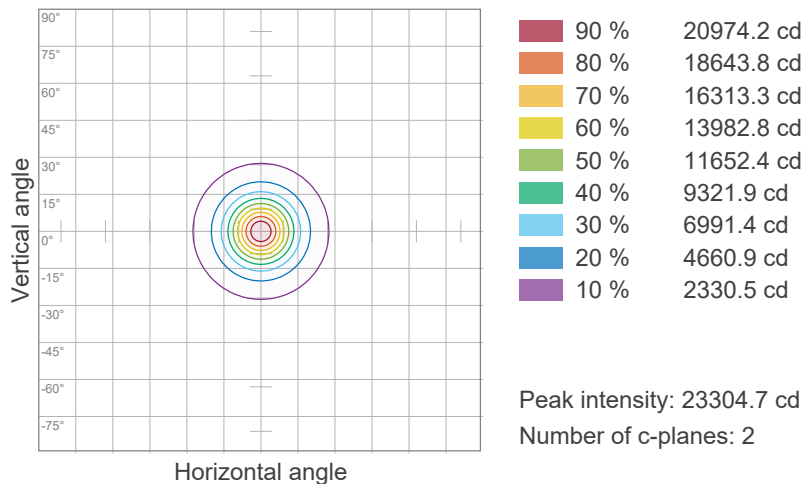
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Stealth Filter - Full Power

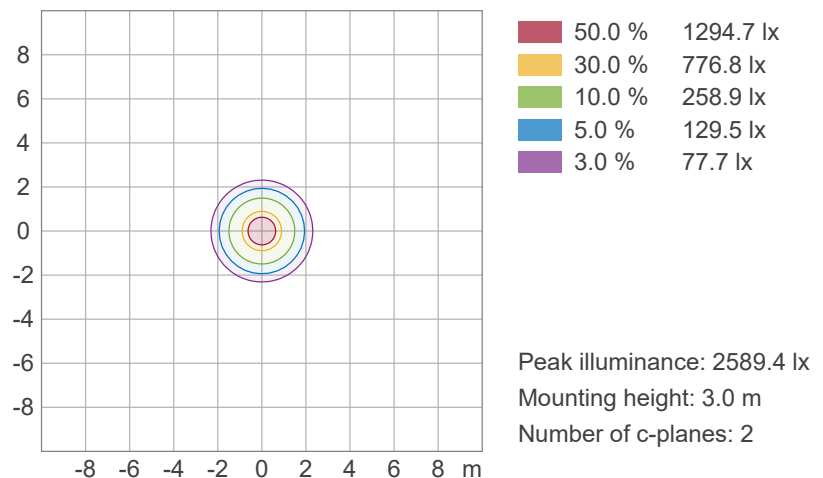


ISO Diagrams

ISO Candela Diagram



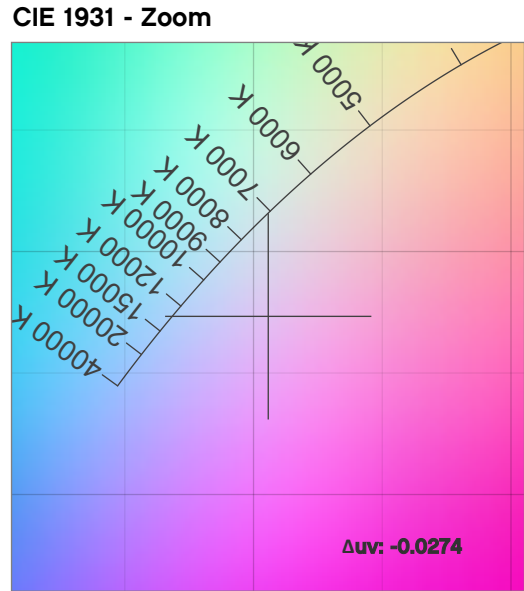
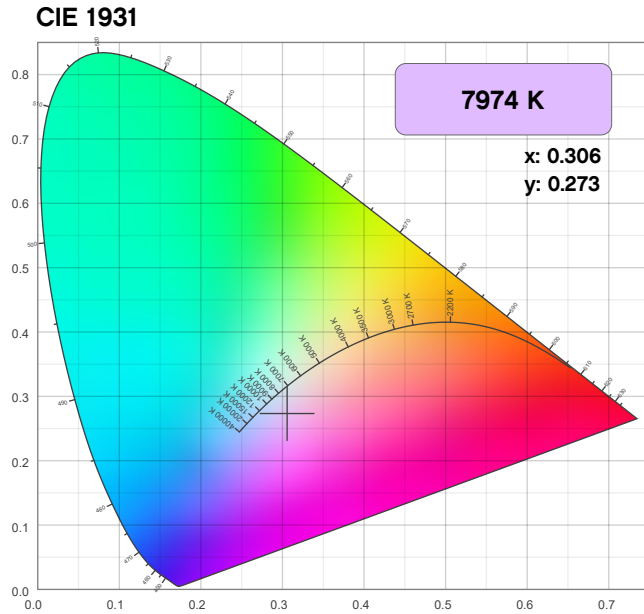
ISO Lux Diagram



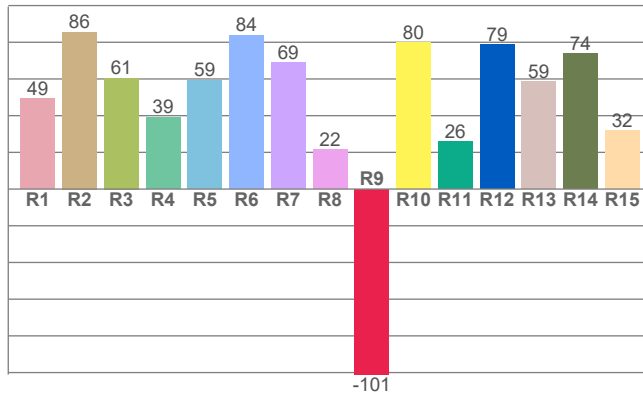
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Stealth Filter - Full Power

Chromaticity



CRI: 58.6 (R1-R8)

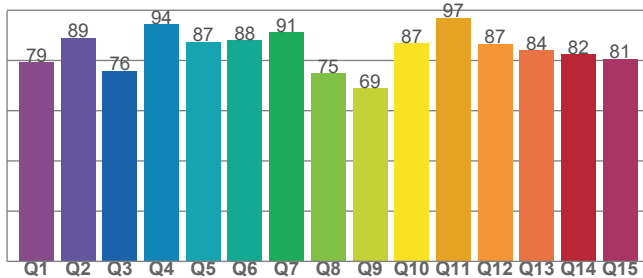


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7974 K	0.306	0.273

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0274	0.273	0.216

CQS: 82.8



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
58.6	-101.1	82.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
62	73.7	123.3

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics w/ Stealth Filter - Full Power

TM-30 Details

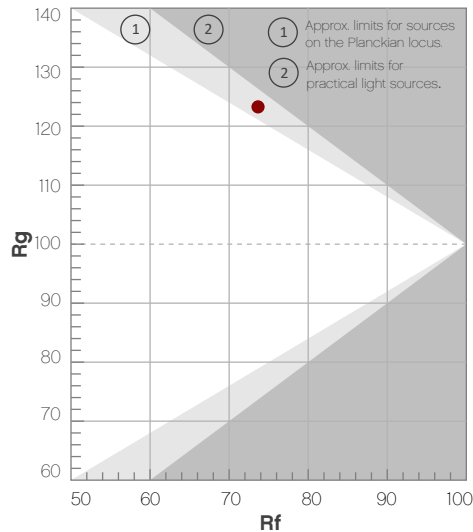
Rf 73.7

Fidelity Index
(R_f)

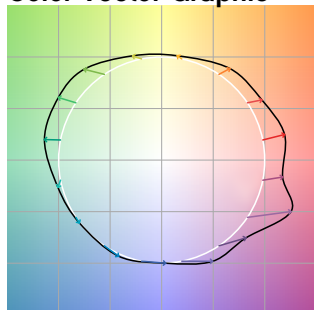
Rg 123.3

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	59	22%	1%
2	71	13%	-5%
3	80	11%	-6%
4	89	2%	5%
5	81	5%	8%
6	71	15%	14%
7	74	17%	5%
8	73	15%	3%
9	84	4%	6%
10	89	0%	6%
11	66	1%	17%
12	70	-3%	23%
13	65	6%	29%
14	56	8%	26%
15	55	32%	28%
16	64	18%	7%



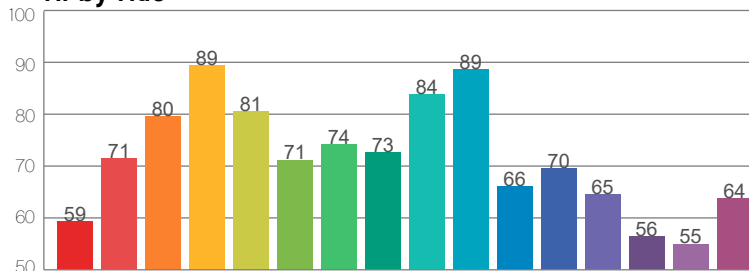
Color Vector Graphic



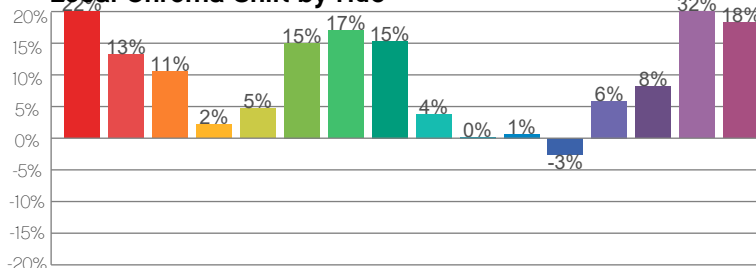
Color Distortion Graphic



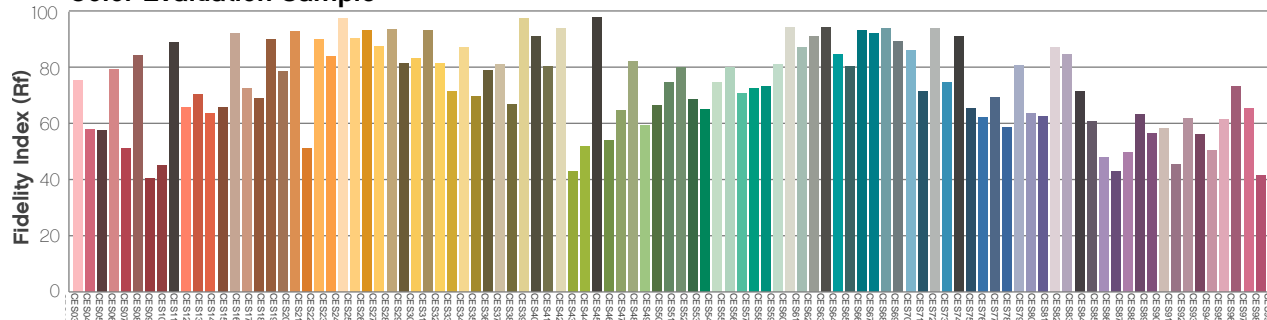
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 3200K

Report Summary

Measurements

Fixture Output: 28970 lm
Fixture Peak: 166806 cd
Fixture Efficacy: 51 lm/W
Intensity @ 5m: 6672 lux
Color Temperature: 3180 K
CRI: 93.8 CRI R9 Value: 96.1
CQS: 91.1
TLCI: 80
TM-30 Rf: 90.1
TM-30 Rg: 107.1
Beam Angle (50%): 16.8°
Field Angle (10%): 36.1°
Cutoff Angle (3%): 68.5°

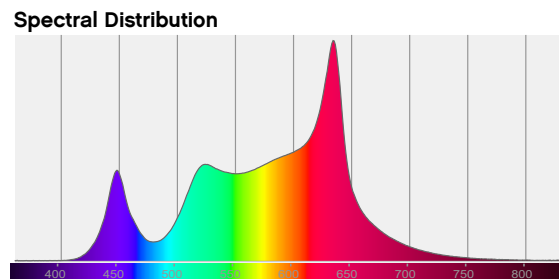
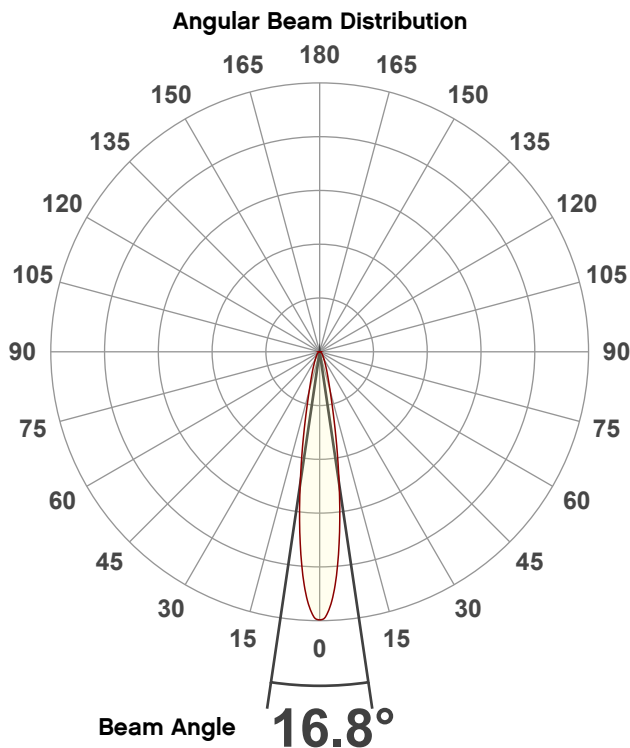


Conditions

AC Supply: 108 V, 60.1 Hz
Power: 574.57 W
Current: 5.32 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 - 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.423

Y: 0.395



Light Quality

CRI: 93.8



Color Temperature

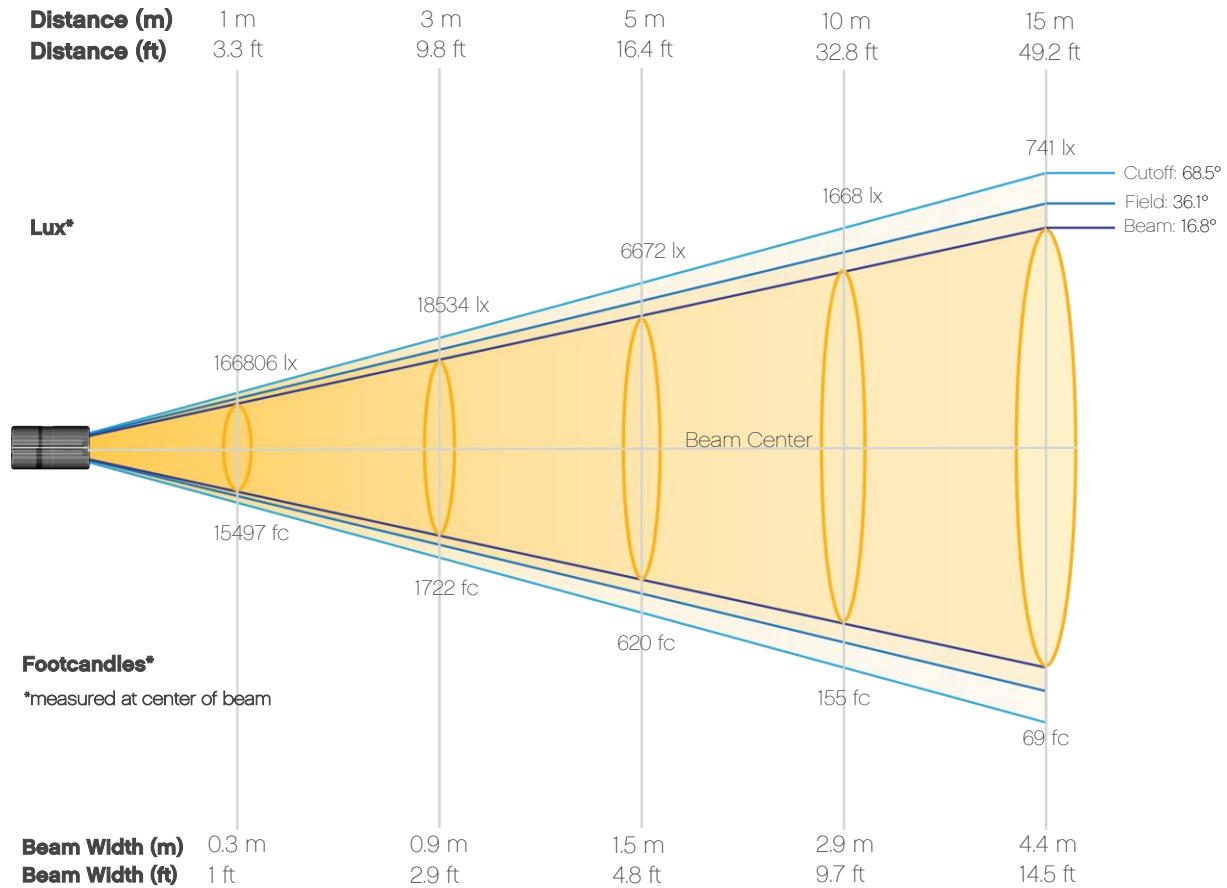
3180 K



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 3200K

Beam Details

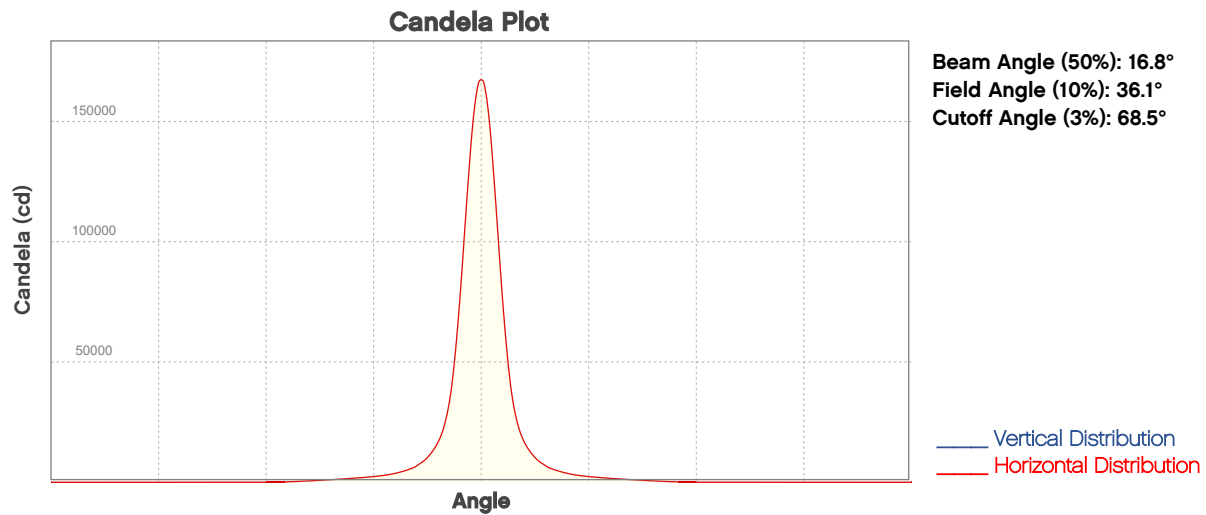


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	166806	41702	18534	10425	6672	4634	3404	2606	2059	1668
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1379	1158	987	851	741	652	577	515	462	417
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15497	3874	1722	969	620	430	316	242	191	155
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	128	108	92	79	69	61	54	48	43	39

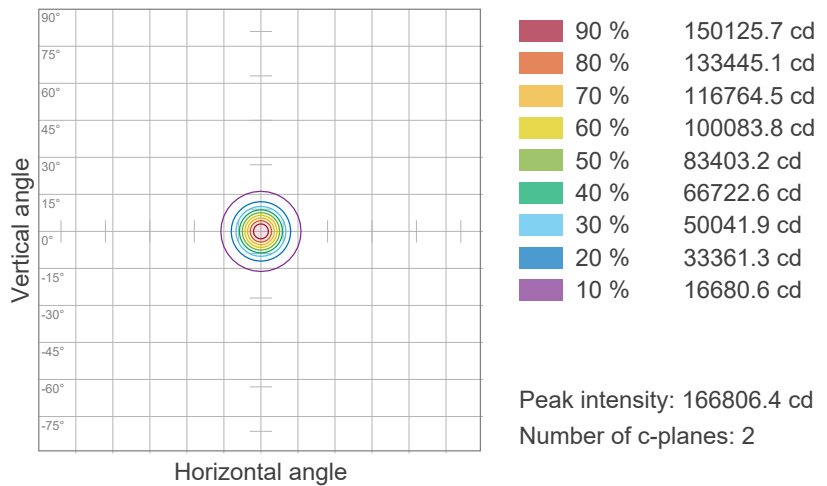
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 3200K

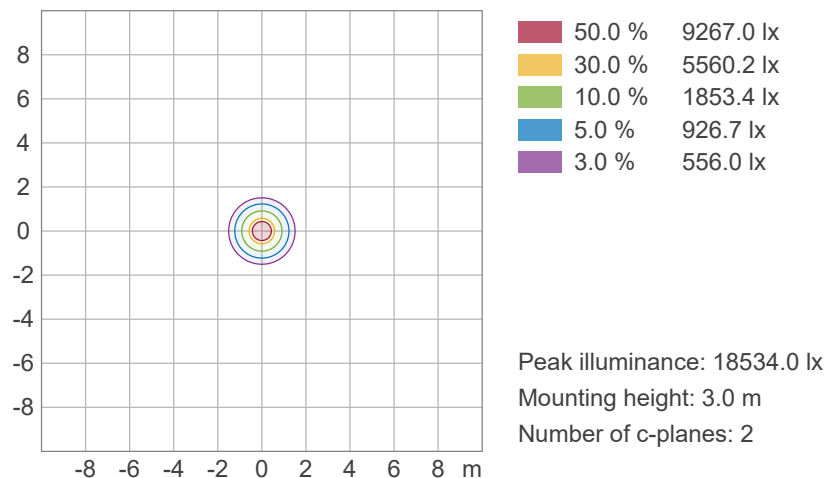


ISO Diagrams

ISO Candela Diagram



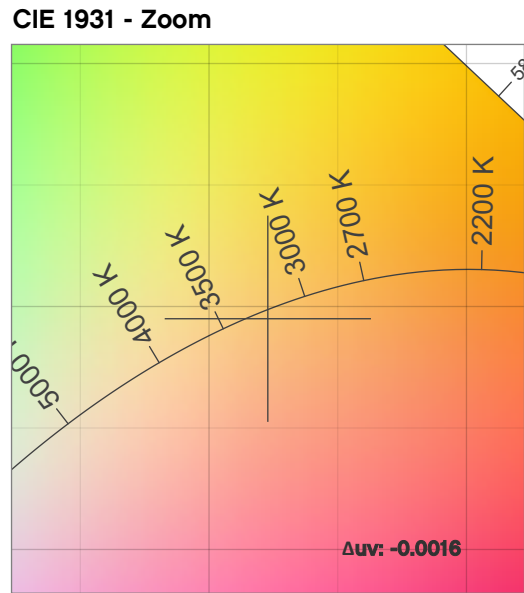
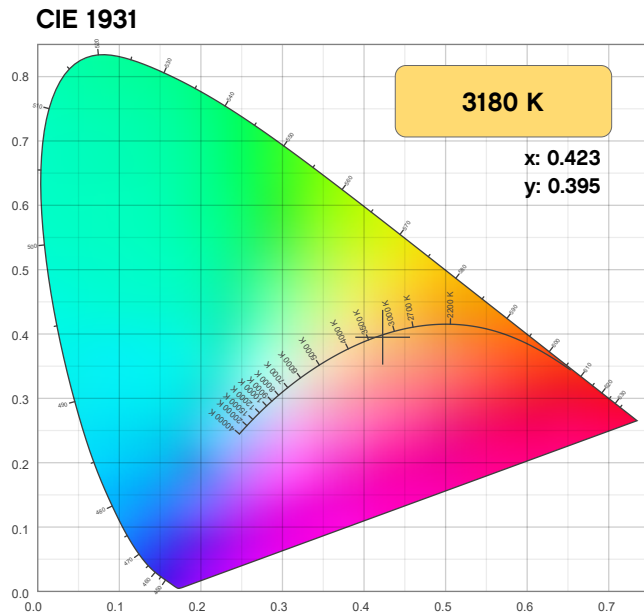
ISO Lux Diagram



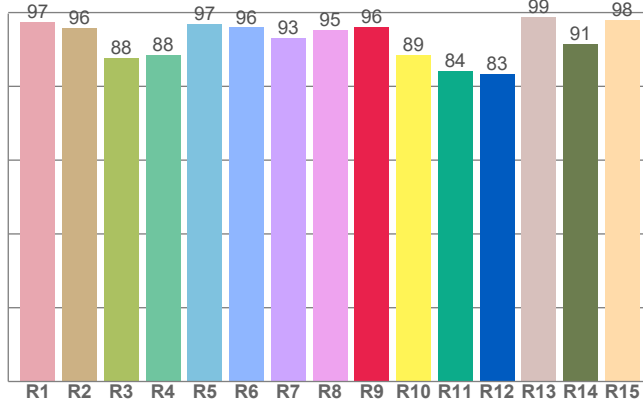
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 3200K

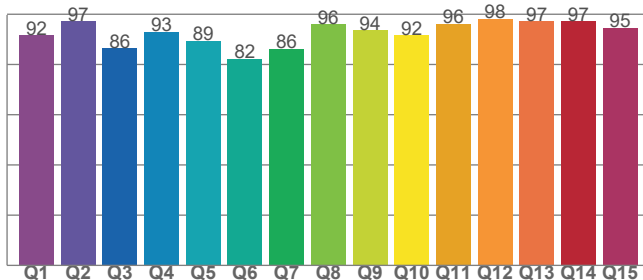
Chromaticity



CRI: 93.8 (R1-R8)



CQS: 91.1



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3180 K	0.423	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0016	0.395	0.245

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.8	96.1	91.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
80	90.1	107.1

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 3200K

TM-30 Details

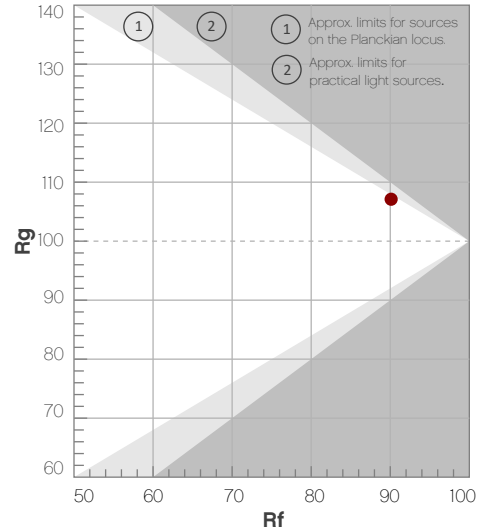
Rf 90.1

Fidelity Index
(R_f)

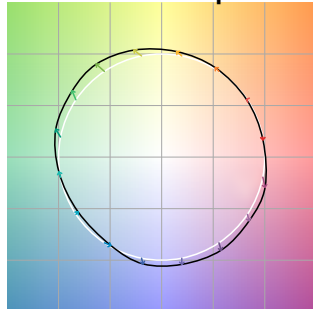
Rg 107.1

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	0%	-3%
2	96	-1%	1%
3	90	1%	5%
4	89	3%	6%
5	88	7%	6%
6	84	10%	3%
7	86	8%	-5%
8	87	6%	-6%
9	92	1%	-5%
10	93	-3%	-1%
11	89	-1%	7%
12	89	5%	2%
13	91	6%	-1%
14	90	7%	-2%
15	89	5%	-4%
16	88	4%	-9%



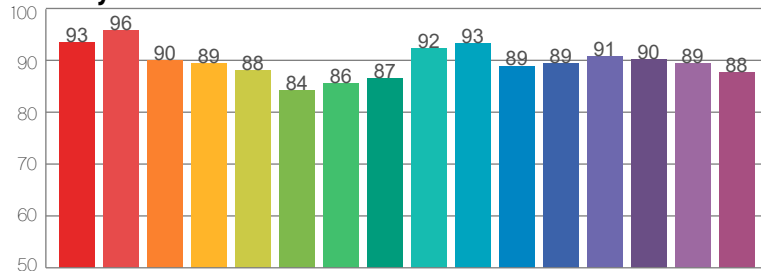
Color Vector Graphic



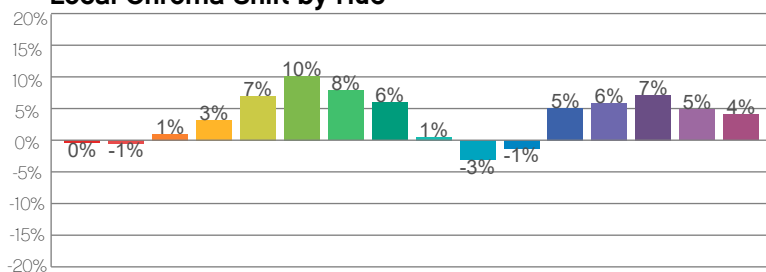
Color Distortion Graphic



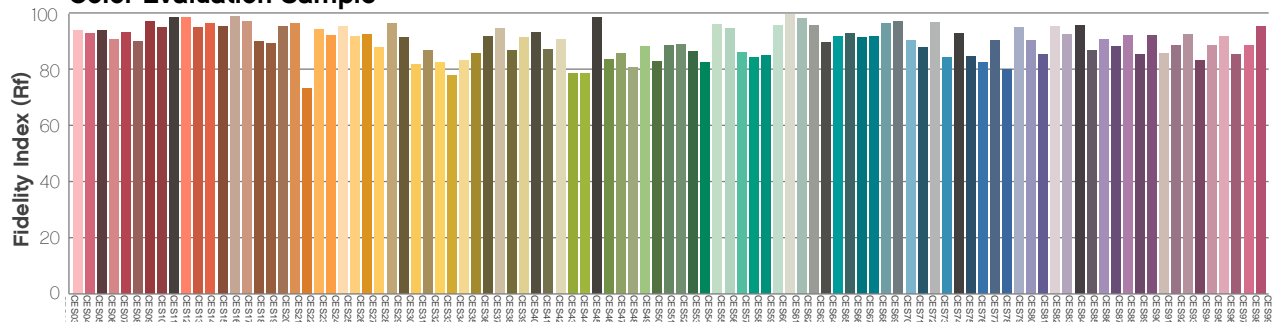
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 4000K

Report Summary

Measurements

Fixture Output: 27729 lm
Fixture Peak: 160109 cd
Fixture Efficacy: 48 lm/W
Intensity @ 5m: 6404 lux
Color Temperature: 4239 K
CRI: 91.3 CRI R9 Value: 88.8
CQS: 90.7
TLCI: 81
TM-30 Rf: 88.0
TM-30 Rg: 108.5
Beam Angle (50%): 16.8°
Field Angle (10%): 36.1°
Cutoff Angle (3%): 68.5°

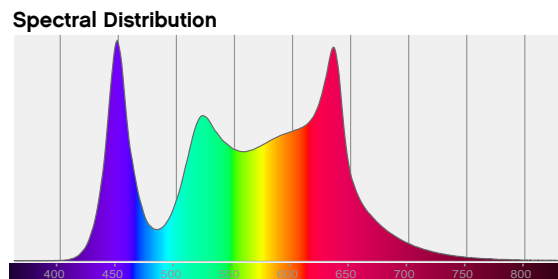
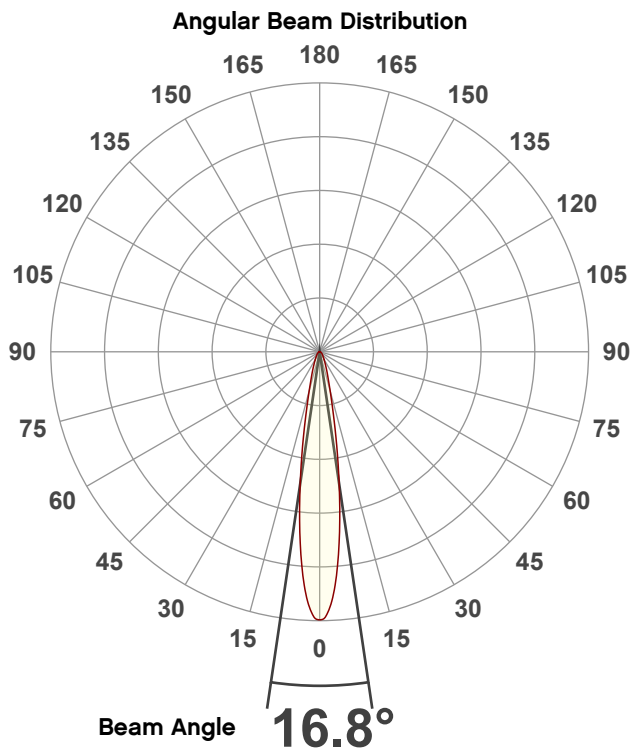


Conditions

AC Supply: 107 V, 60 Hz
Power: 576.91 W
Current: 5.37 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.366
Y: 0.350

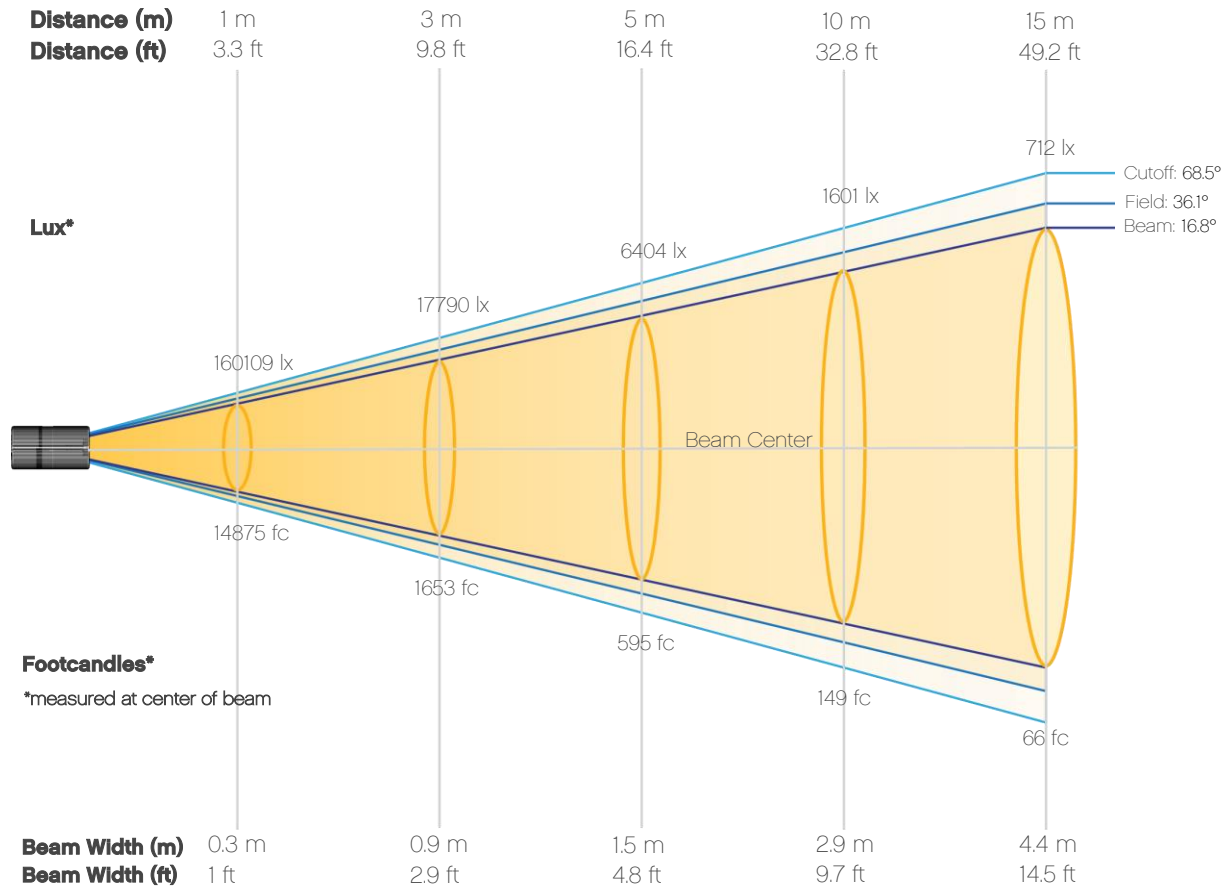
Light Quality
CRI: 91.3

Color Temperature
4239 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 4000K

Beam Details

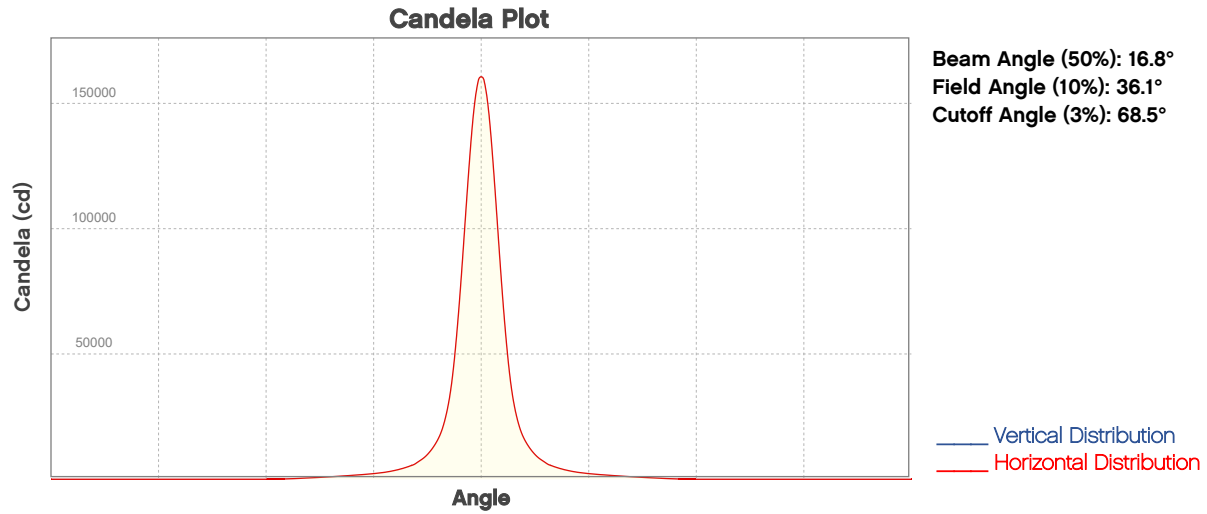


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	160109	40027	17790	10007	6404	4447	3268	2502	1977	1601
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1323	1112	947	817	712	625	554	494	444	400
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14875	3719	1653	930	595	413	304	232	184	149
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	123	103	88	76	66	58	51	46	41	37

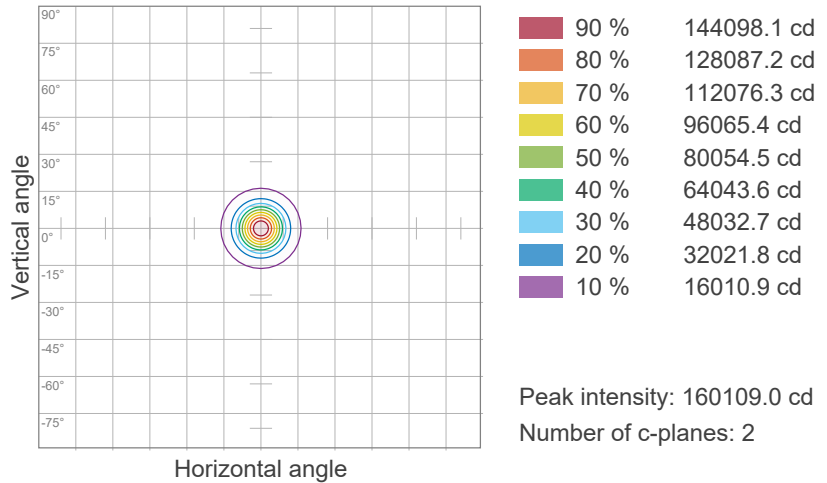
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 4000K

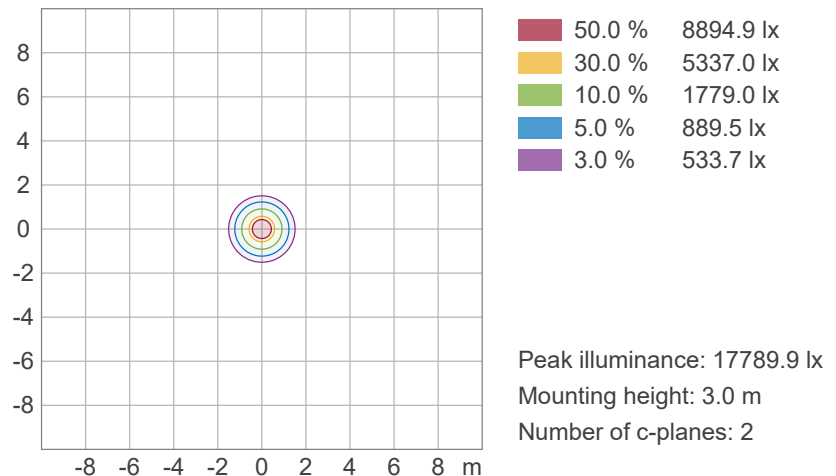


ISO Diagrams

ISO Candela Diagram



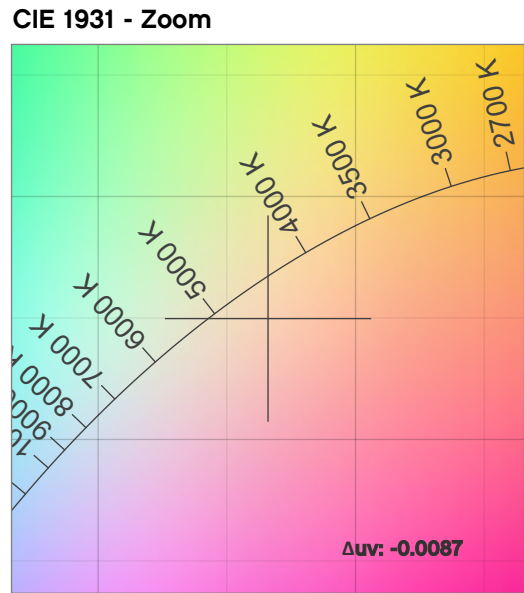
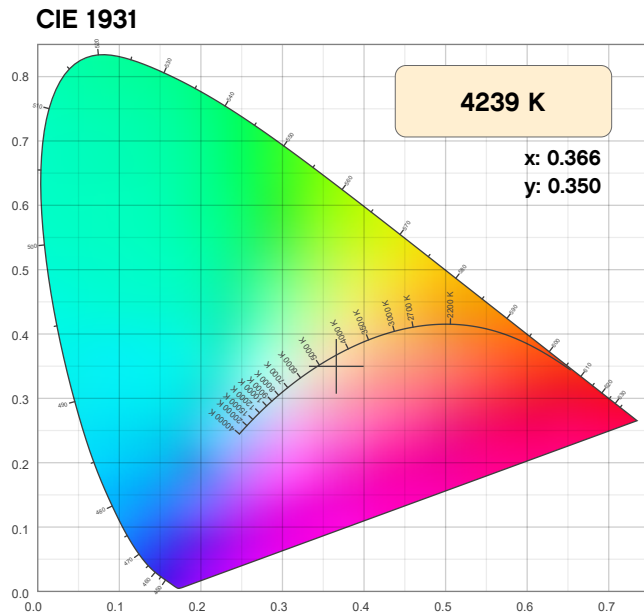
ISO Lux Diagram



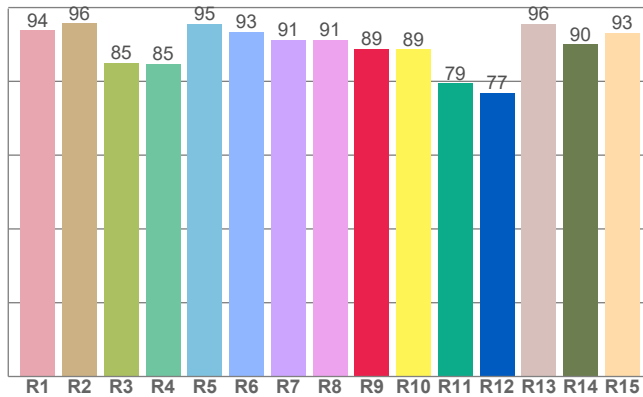
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 4000K

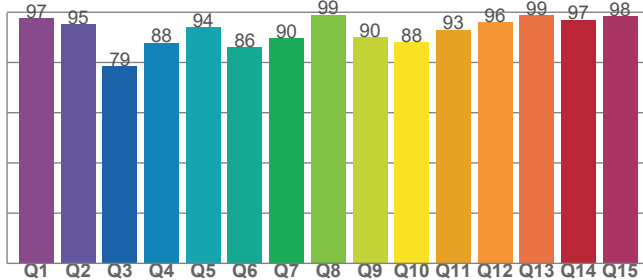
Chromaticity



CRI: 91.3 (R1-R8)



CQS: 90.7



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4239 K	0.366	0.350

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0087	0.350	0.226

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.3	88.8	90.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
81	88.0	108.5

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 4000K

TM-30 Details

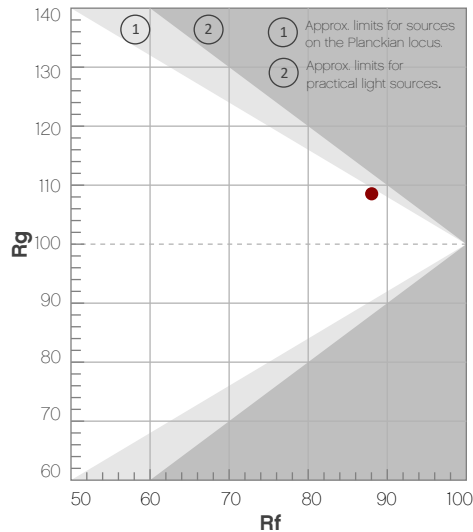
Rf 88.0

Fidelity Index
(R_f)

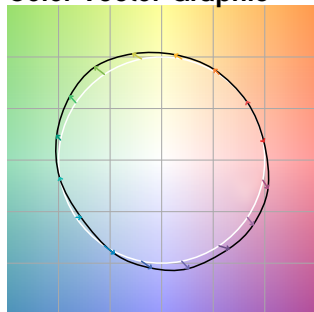
Rg 108.5

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	1%	-2%
2	96	0%	1%
3	87	1%	7%
4	87	3%	7%
5	85	7%	7%
6	83	11%	4%
7	87	8%	-2%
8	90	4%	-4%
9	94	0%	-3%
10	91	-4%	3%
11	82	1%	12%
12	81	5%	11%
13	89	8%	5%
14	84	8%	6%
15	88	9%	-3%
16	86	7%	-7%



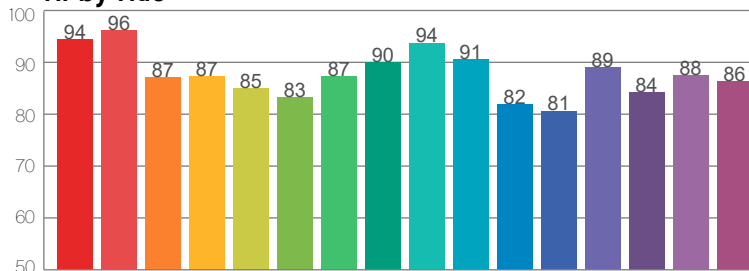
Color Vector Graphic



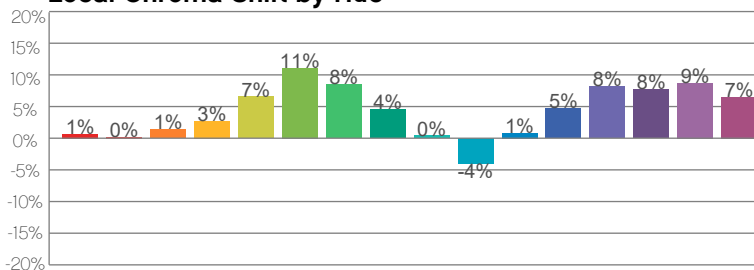
Color Distortion Graphic



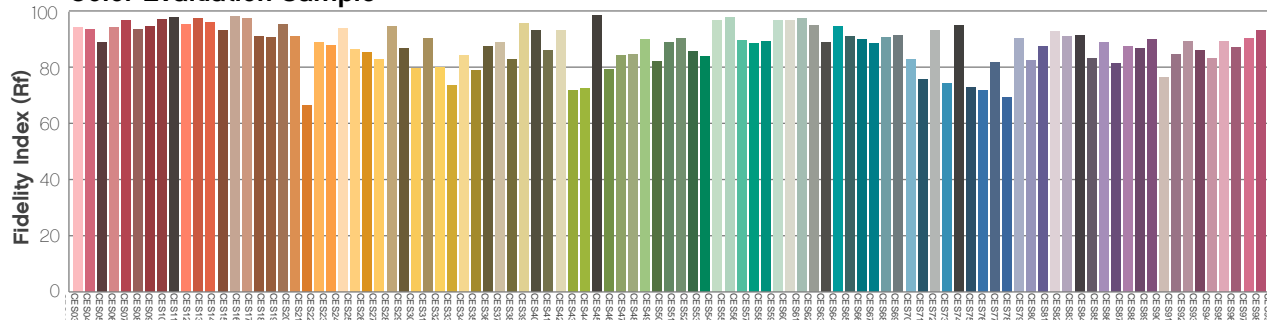
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 5600K

Report Summary

Measurements

Fixture Output: 26942 lm
Fixture Peak: 155509 cd
Fixture Efficacy: 47 lm/W
Intensity @ 5m: 6220 lux
Color Temperature: 5579 K
CRI: 90.4 CRI R9 Value: 98.3
CQS: 91.5
TLCI: 85
TM-30 Rf: 88.8
TM-30 Rg: 107.3
Beam Angle (50%): 16.7°
Field Angle (10%): 36°
Cutoff Angle (3%): 68.5°

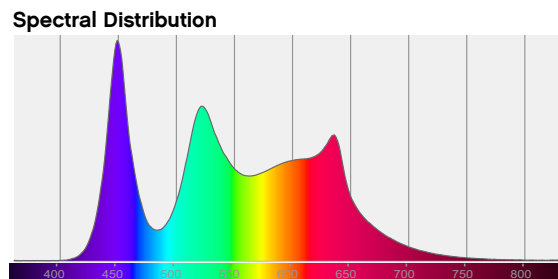
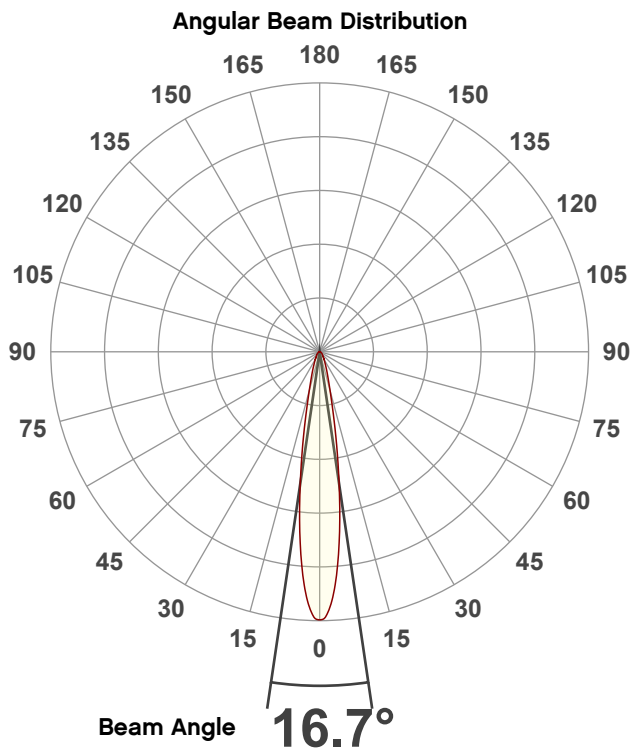


Conditions

AC Supply: 108 V, 60.1 Hz
Power: 575.21 W
Current: 5.33 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 - 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.331

Y: 0.340



Light Quality

CRI: 90.4



Color Temperature

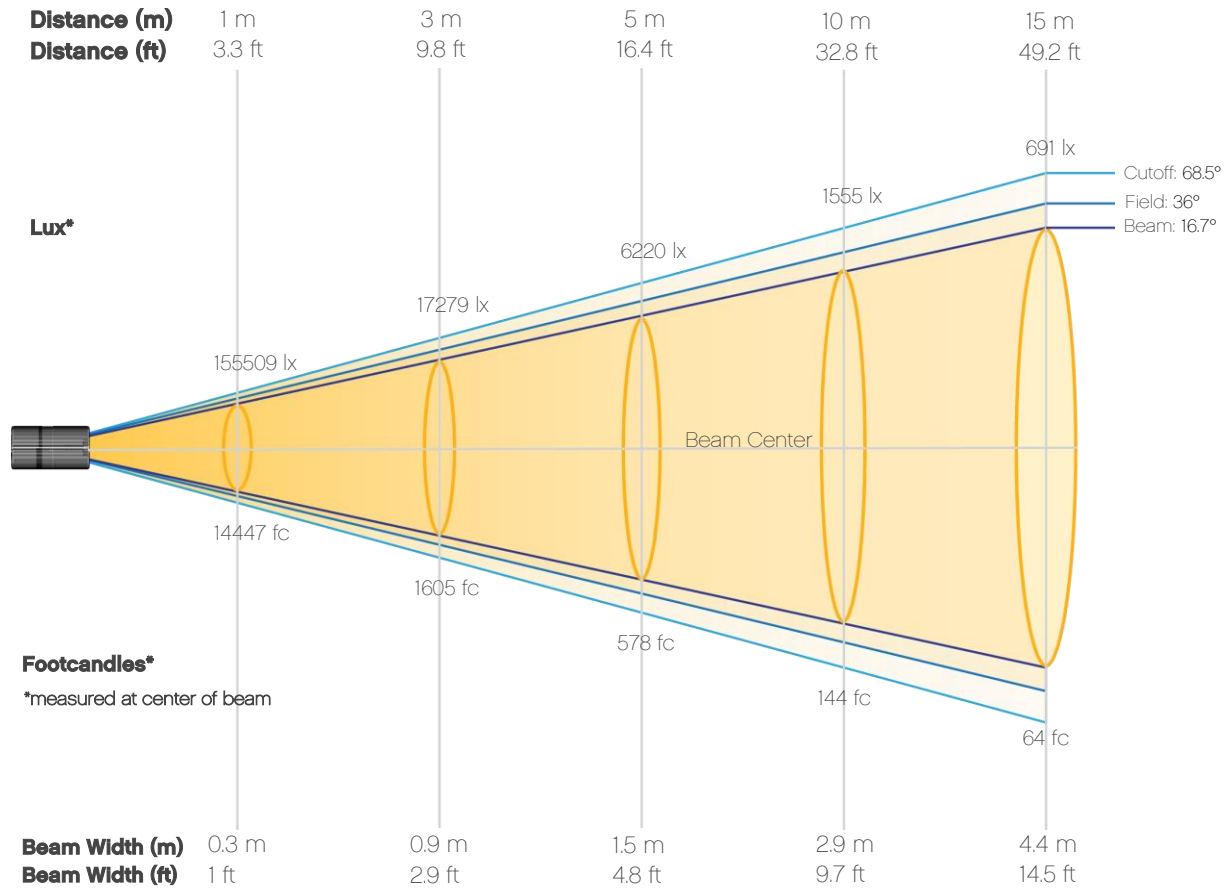
5579 K



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 5600K

Beam Details

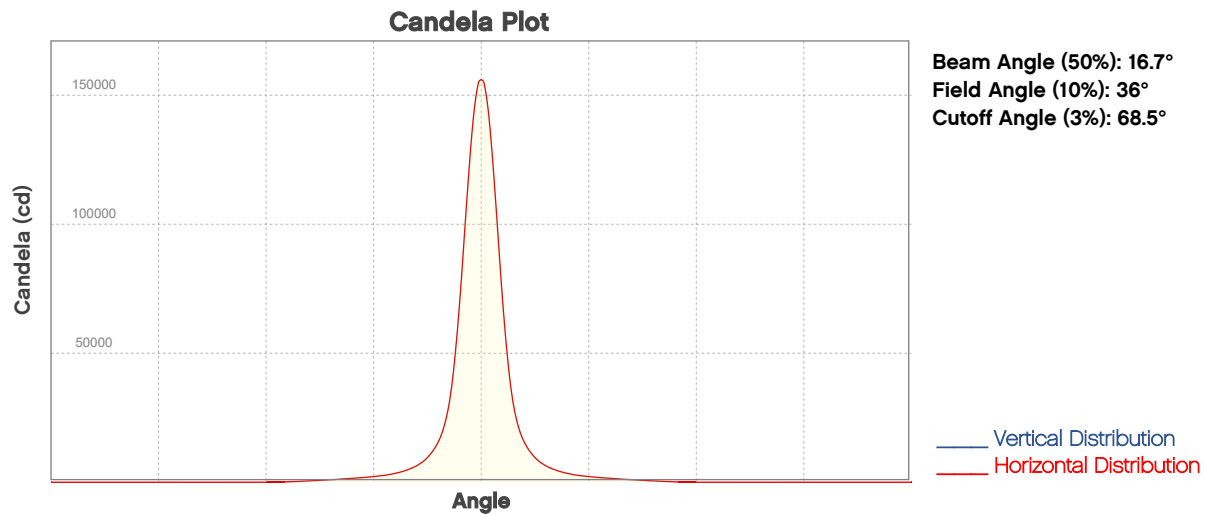


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	155509	38877	17279	9719	6220	4320	3174	2430	1920	1555
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1285	1080	920	793	691	607	538	480	431	389
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14447	3612	1605	903	578	401	295	226	178	144
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	119	100	85	74	64	56	50	45	40	36

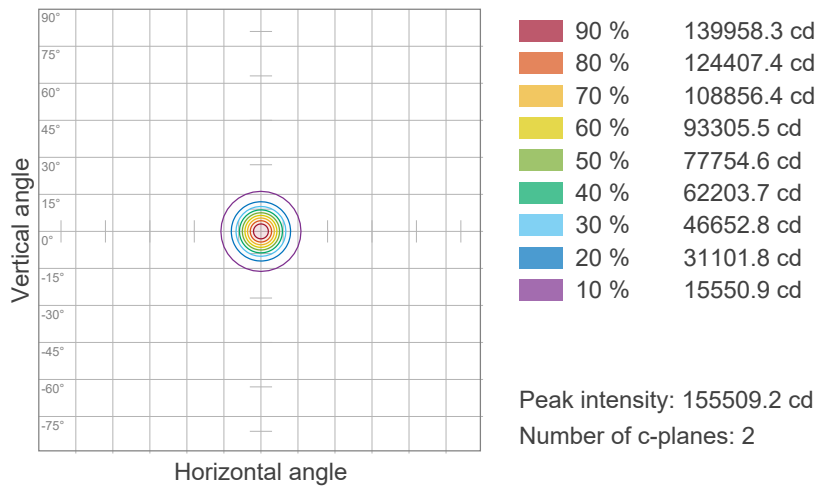
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 5600K

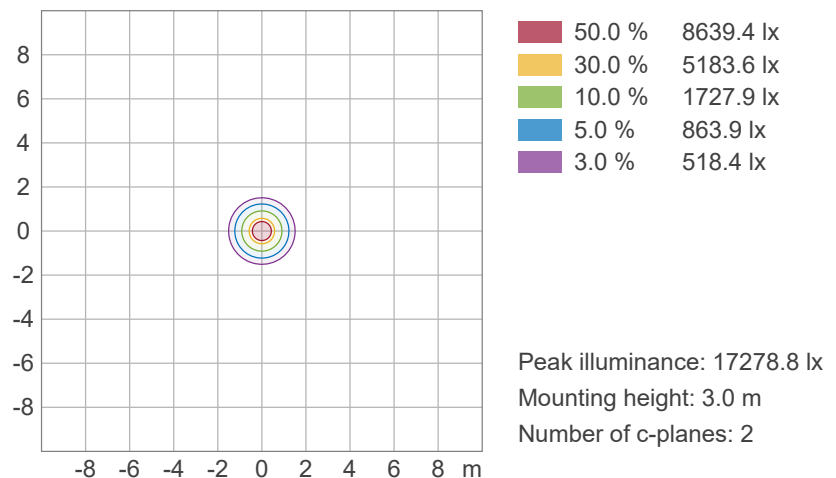


ISO Diagrams

ISO Candela Diagram



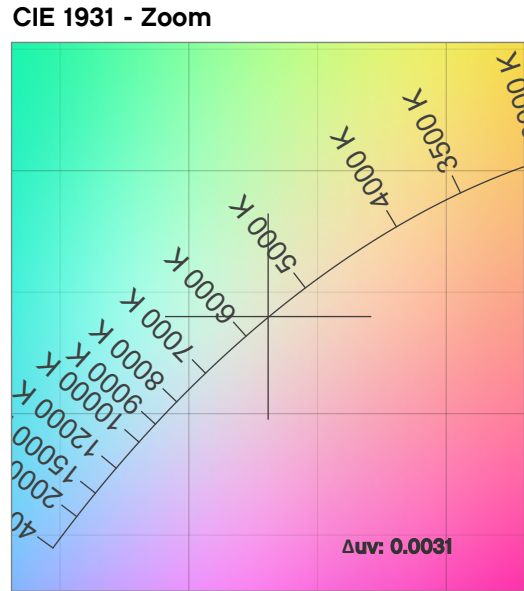
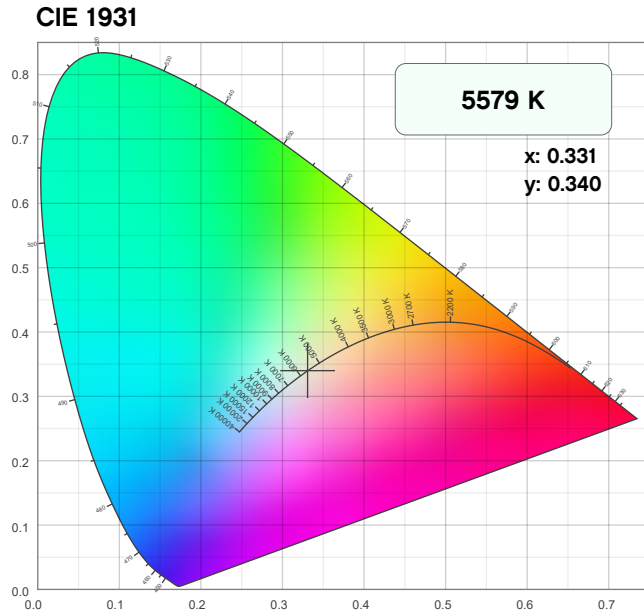
ISO Lux Diagram



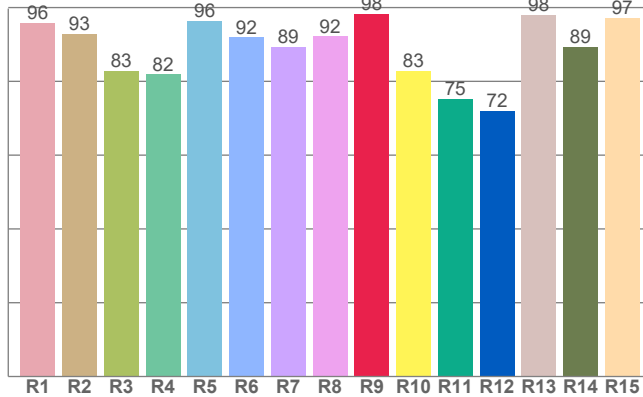
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 5600K

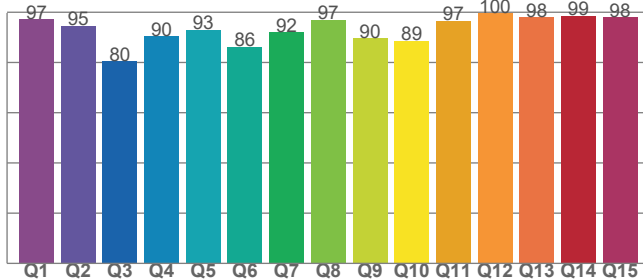
Chromaticity



CRI: 90.4 (R1-R8)



CQS: 91.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5579 K	0.331	0.340

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0031	0.340	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
90.4	98.3	91.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
85	88.8	107.3

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - 5600K

TM-30 Details

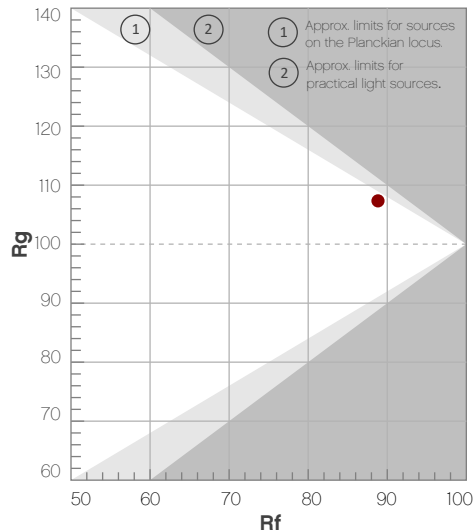
Rf 88.8

Fidelity Index
(R_f)

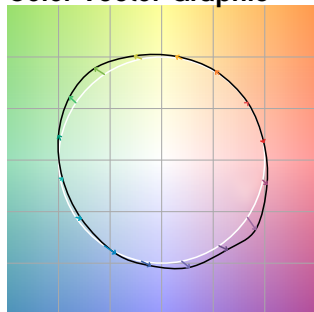
Rg 107.3

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	96	0%	0%
3	92	1%	4%
4	90	1%	6%
5	87	4%	6%
6	84	10%	5%
7	87	8%	-1%
8	92	3%	-4%
9	94	-2%	-2%
10	91	-4%	4%
11	79	0%	13%
12	86	3%	9%
13	89	7%	6%
14	85	8%	4%
15	85	13%	-5%
16	91	5%	-3%



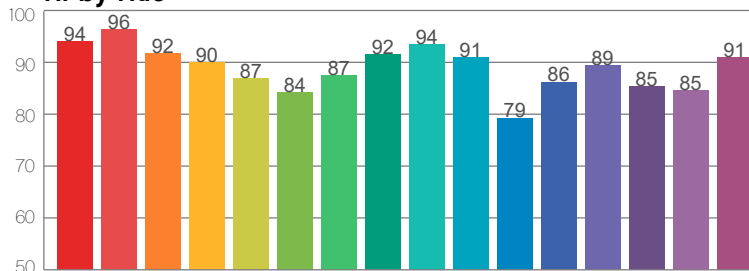
Color Vector Graphic



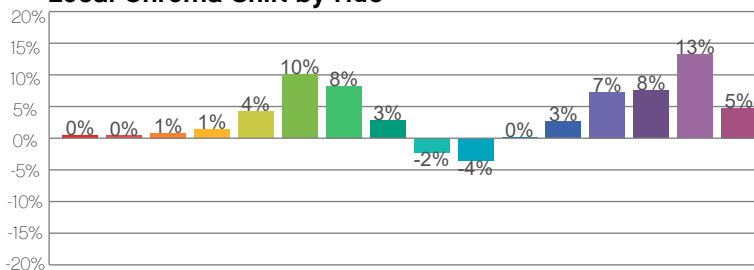
Color Distortion Graphic



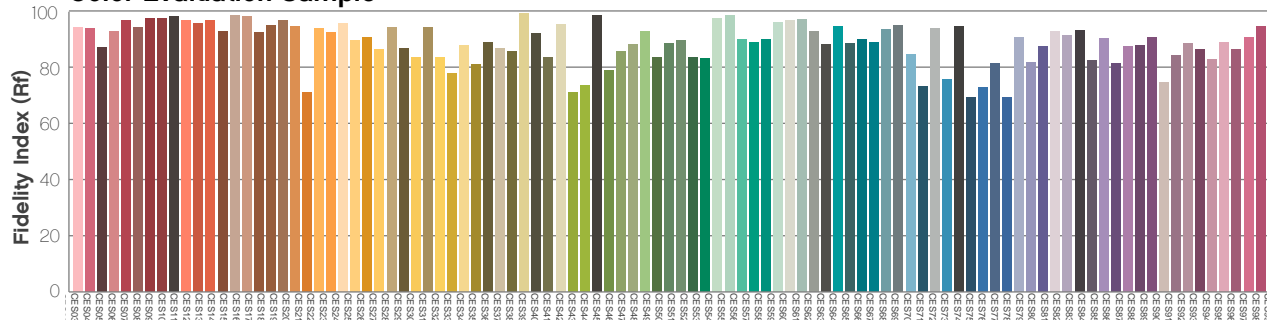
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Red Only

Report Summary

Measurements

Fixture Output: 12443 lm
Fixture Peak: 73017 cd
Fixture Efficacy: 29 lm/W
Intensity @ 5m: 2921 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 16.5°
Field Angle (10%): 35.7°
Cutoff Angle (3%): 67.9°

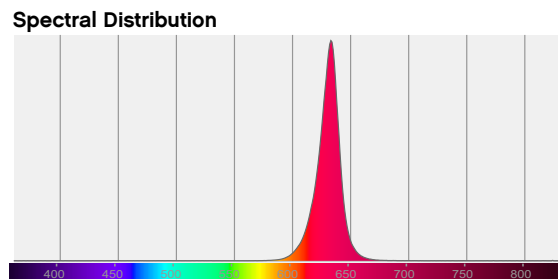
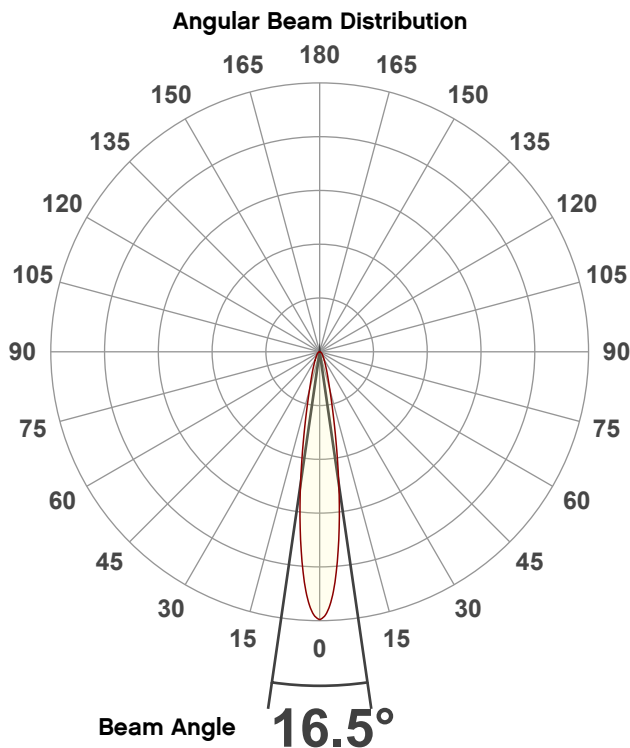


Conditions

AC Supply: 111 V, 60 Hz
Power: 438.17 W
Current: 3.94 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.698

Y: 0.301



Light Quality

CRI: 0.0

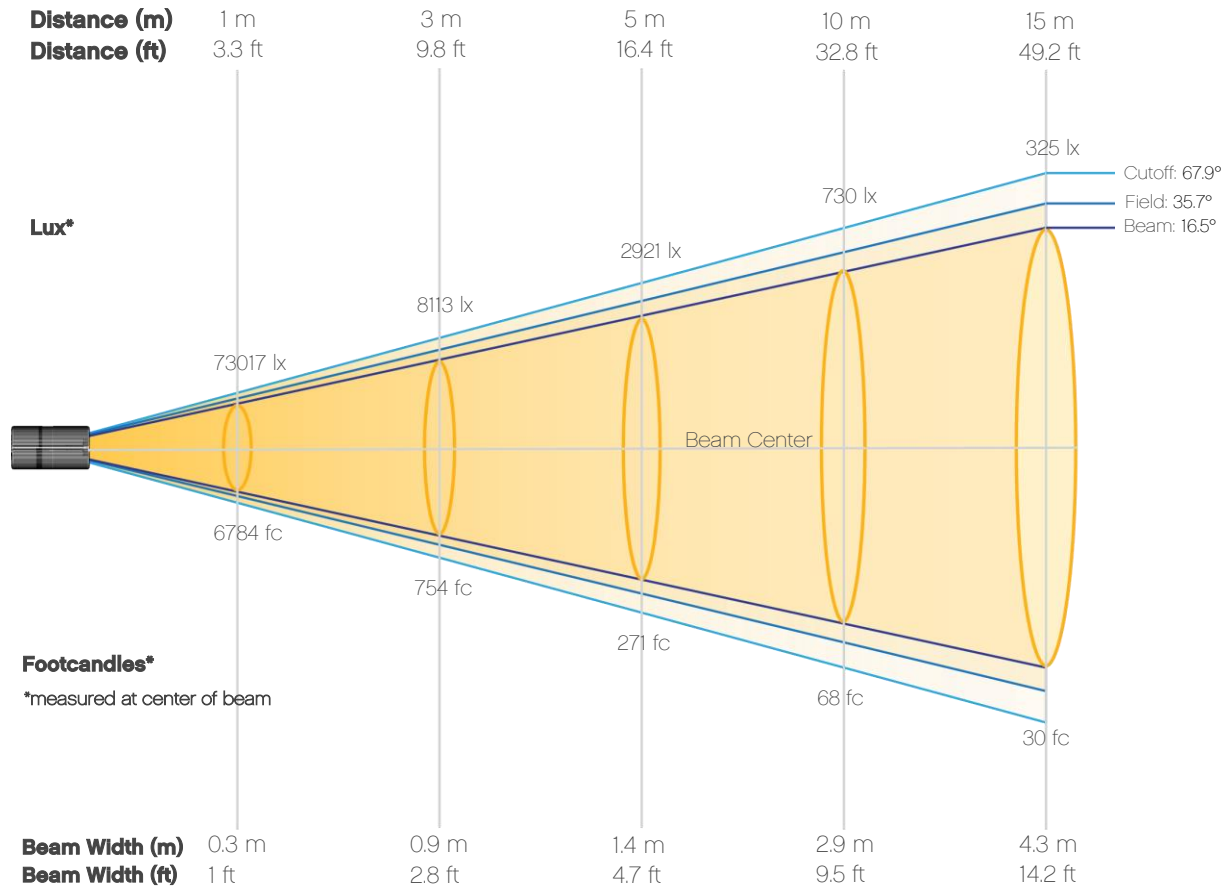
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Red Only

Beam Details

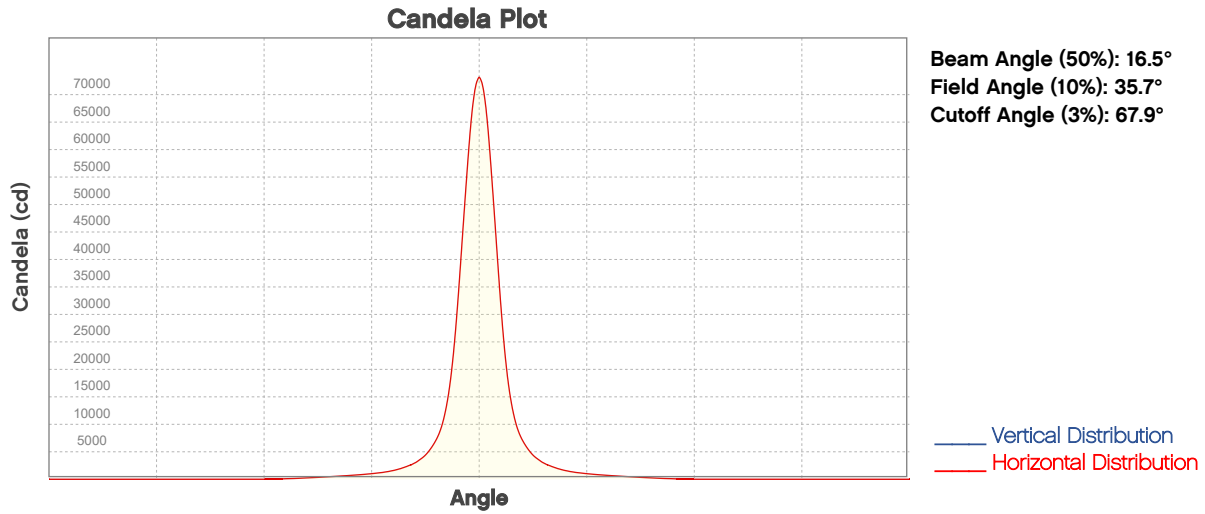


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	73017	18254	8113	4564	2921	2028	1490	1141	901	730
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	603	507	432	373	325	285	253	225	202	183
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	6784	1696	754	424	271	188	138	106	84	68
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	56	47	40	35	30	26	23	21	19	17

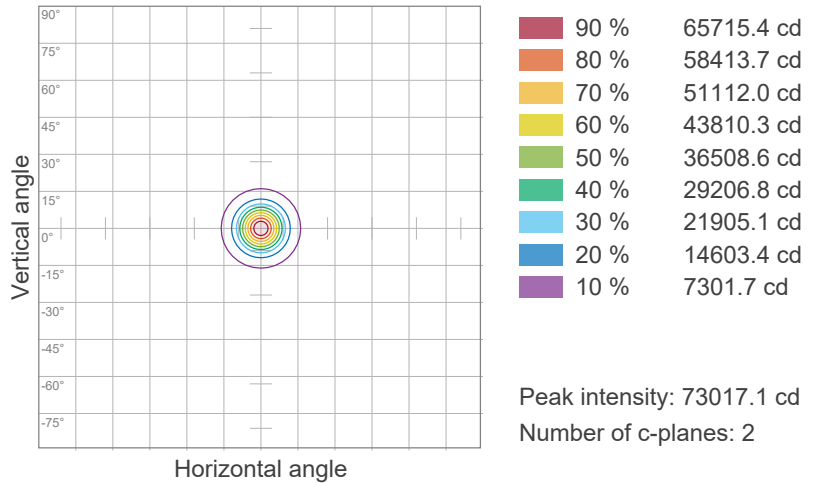
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Red Only

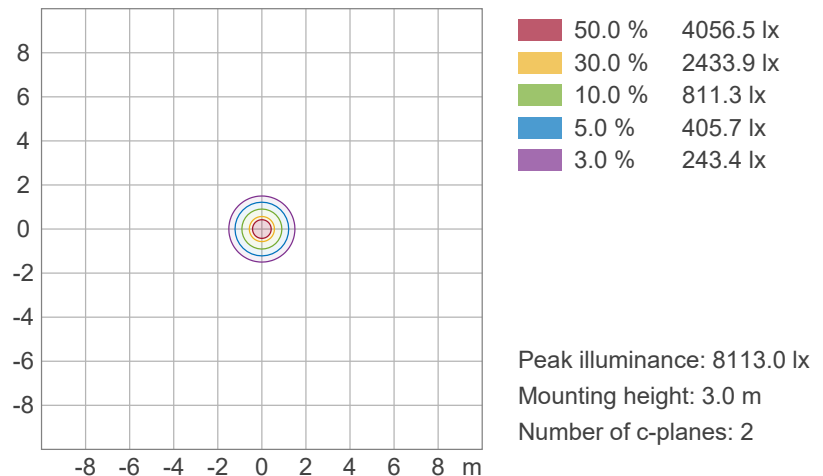


ISO Diagrams

ISO Candela Diagram



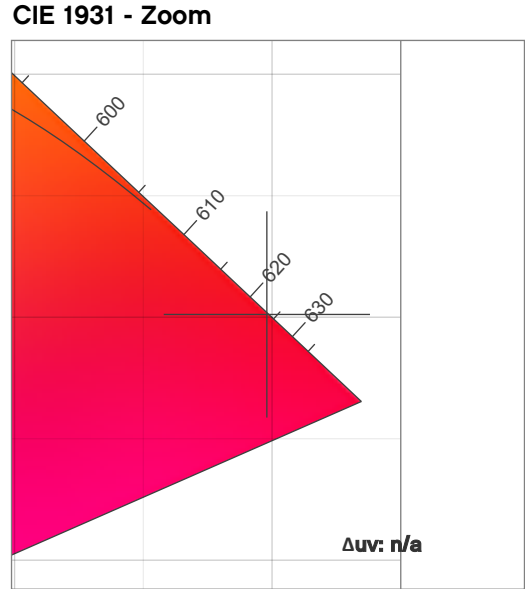
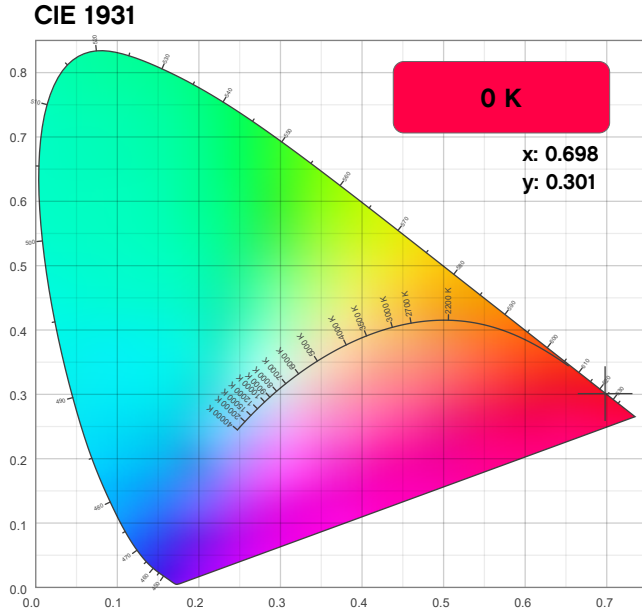
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Red Only

Chromaticity



CRI: 0.0 (R1-R8)

0	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

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	0.698	0.301

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.301	0.535

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

COLORado Solo Bar 6: Standard Optics - Red Only

TM-30 Details

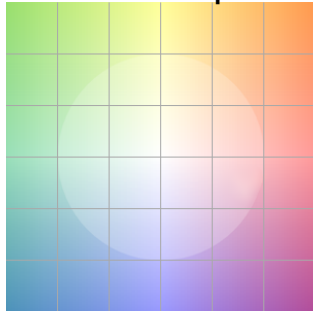
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

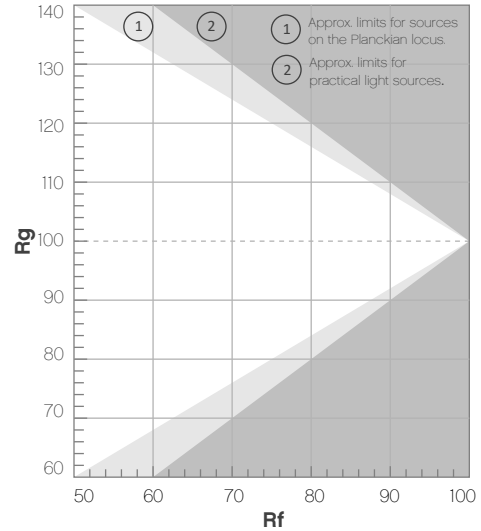
Color Vector Graphic



Color Distortion Graphic



Hue Bin	Rf	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%



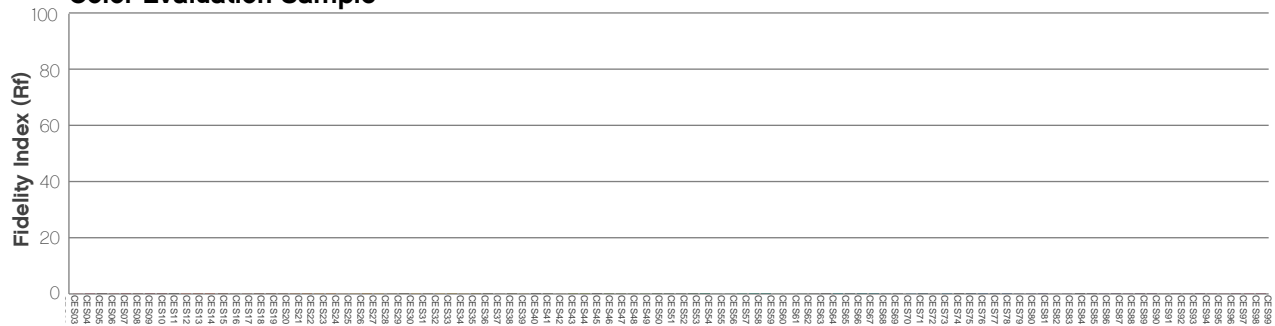
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Green Only

Report Summary

Measurements

Fixture Output: 24392 lm
Fixture Peak: 139965 cd
Fixture Efficacy: 57 lm/W
Intensity @ 5m: 5599 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 16.8°
Field Angle (10%): 36.2°
Cutoff Angle (3%): 69°

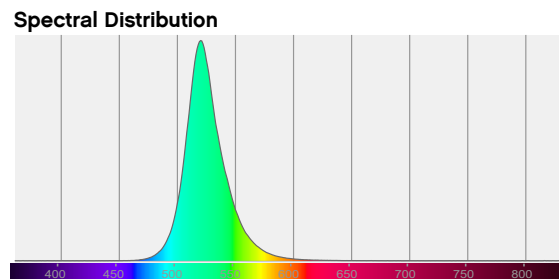
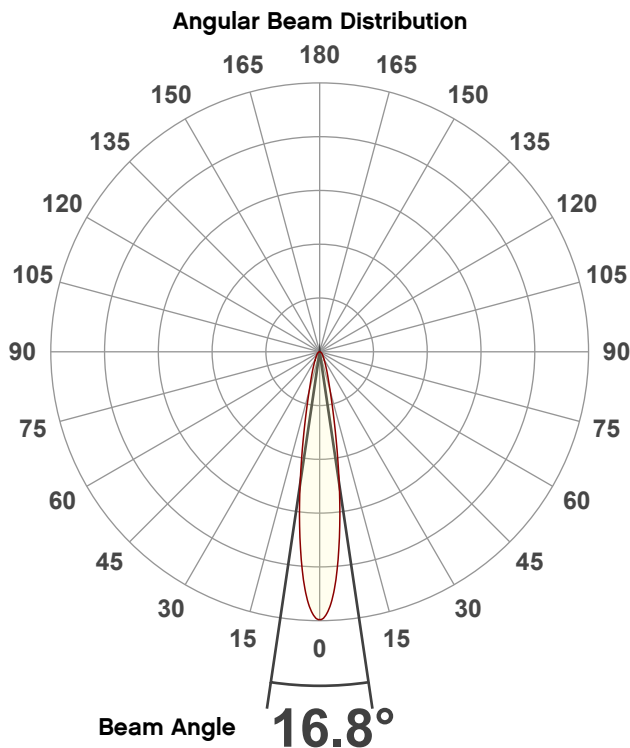


Conditions

AC Supply: 112 V, 60 Hz
Power: 431.77 W
Current: 3.87 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.167
Y: 0.732

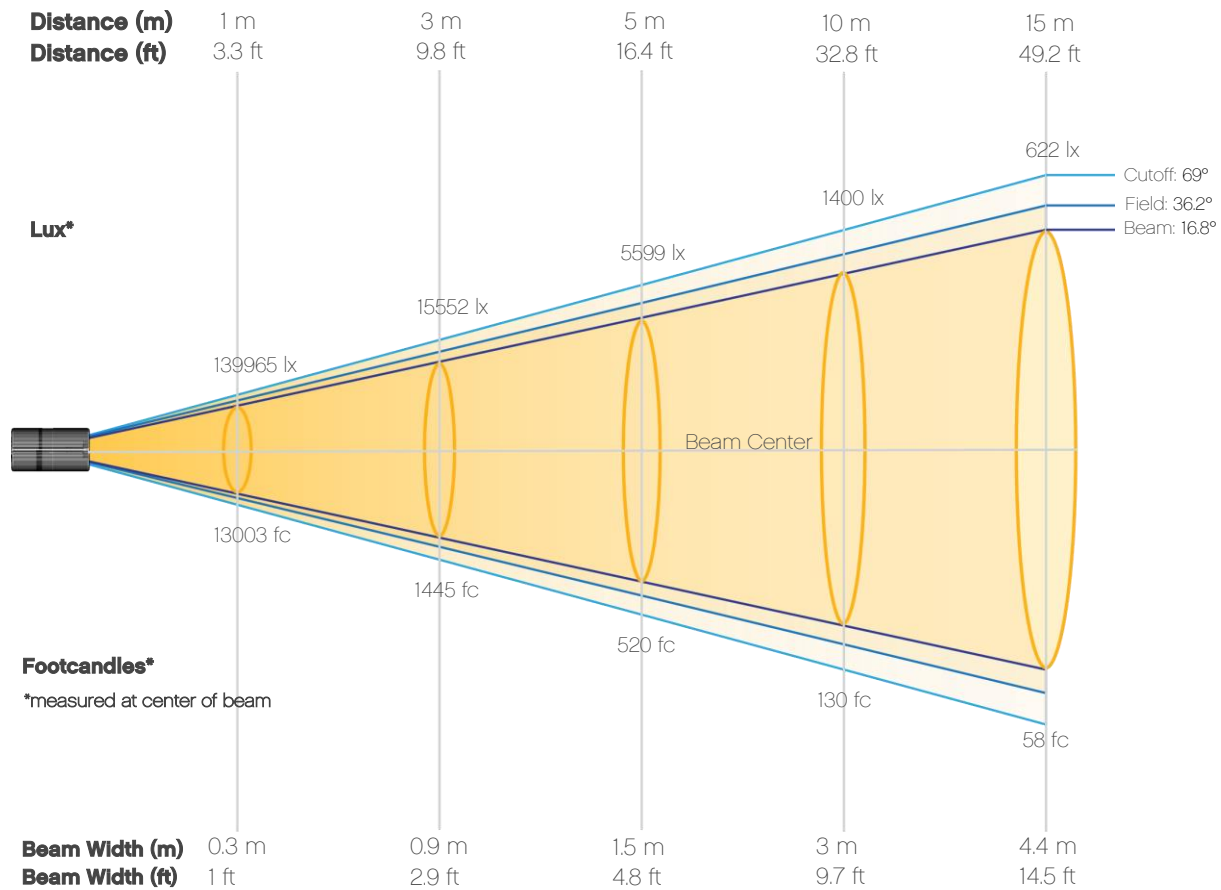
Light Quality
CRI: 0.0

Color Temperature
0 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Green Only

Beam Details

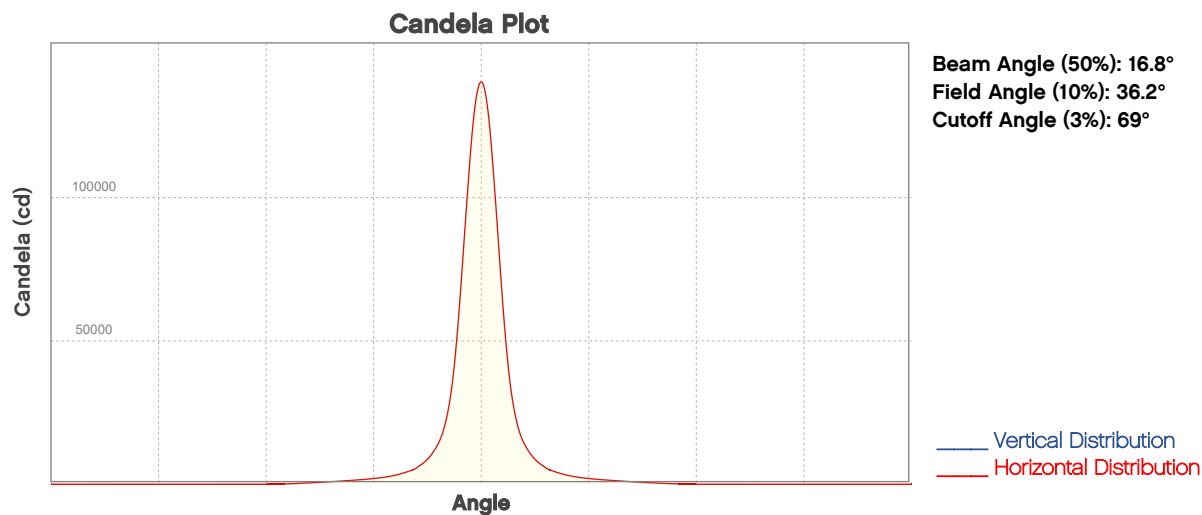


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	139965	34991	15552	8748	5599	3888	2856	2187	1728	1400
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1157	972	828	714	622	547	484	432	388	350
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	13003	3251	1445	813	520	361	265	203	161	130
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	107	90	77	66	58	51	45	40	36	33

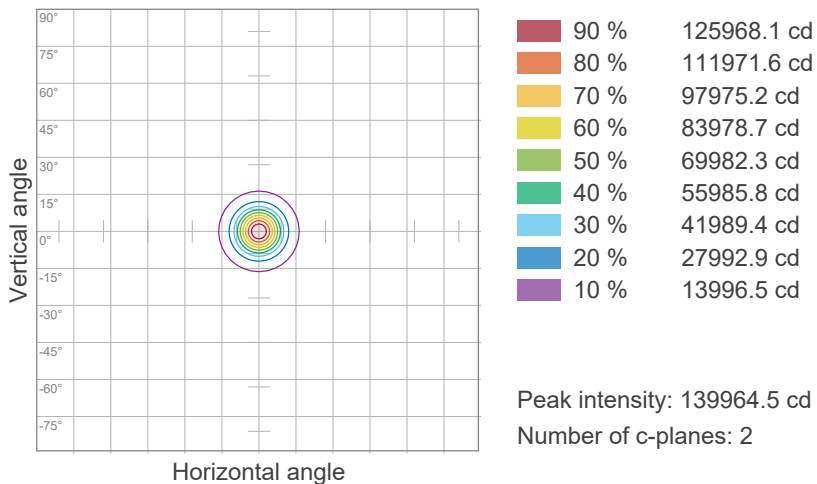
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Green Only

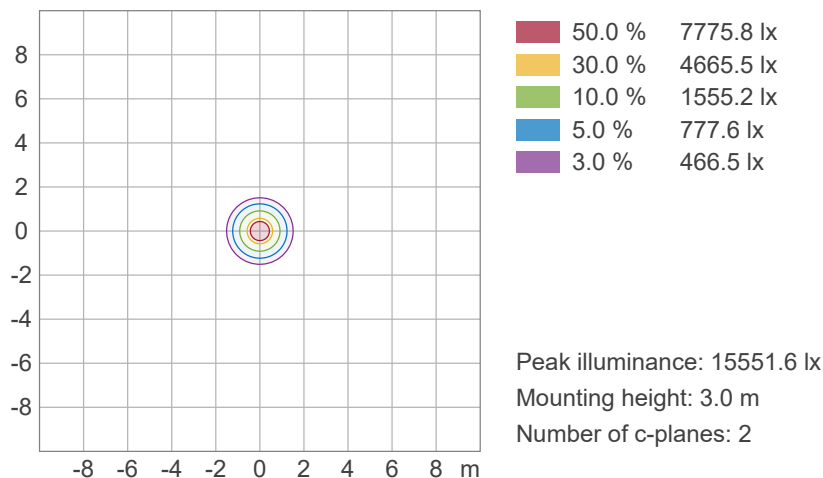


ISO Diagrams

ISO Candela Diagram



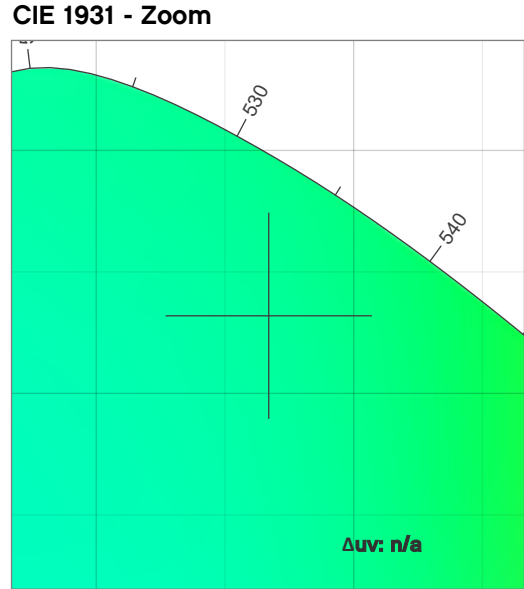
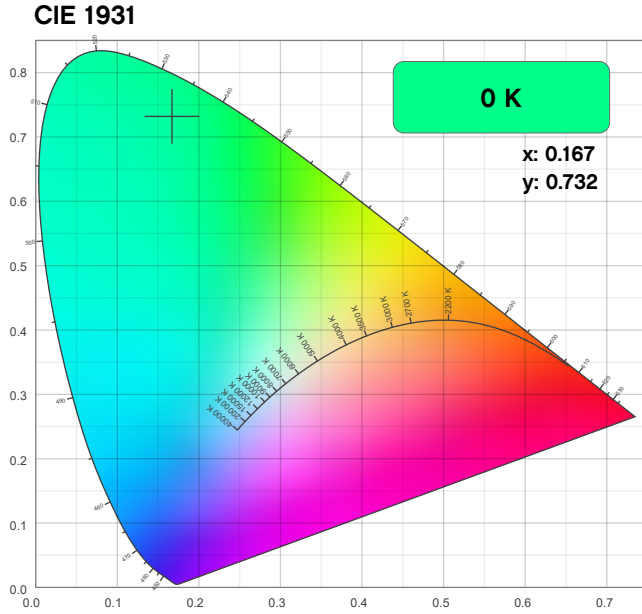
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Green Only

Chromaticity



CRI: 0.0 (R1-R8)

0	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

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	0.167	0.732

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.732	0.058

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

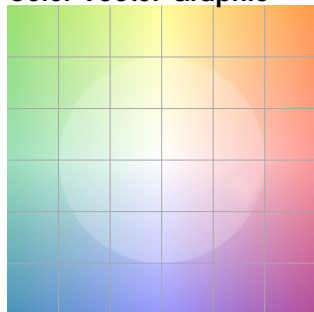
COLORado Solo Bar 6: Standard Optics - Green Only

TM-30 Details

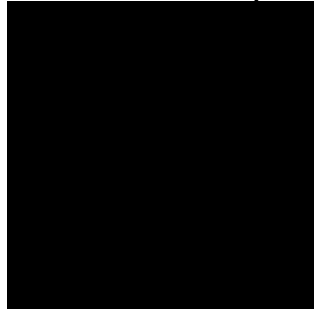
Rf 0.0
Fidelity Index
(Rg)

Rg 0.0
Gammut Index
(Rg)

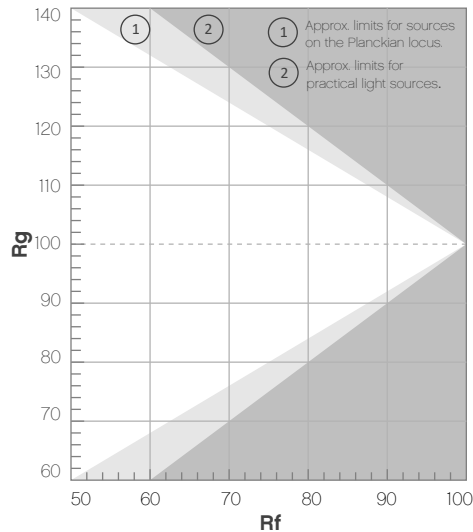
Color Vector Graphic



Color Distortion Graphic



Hue Bin	Rf	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%



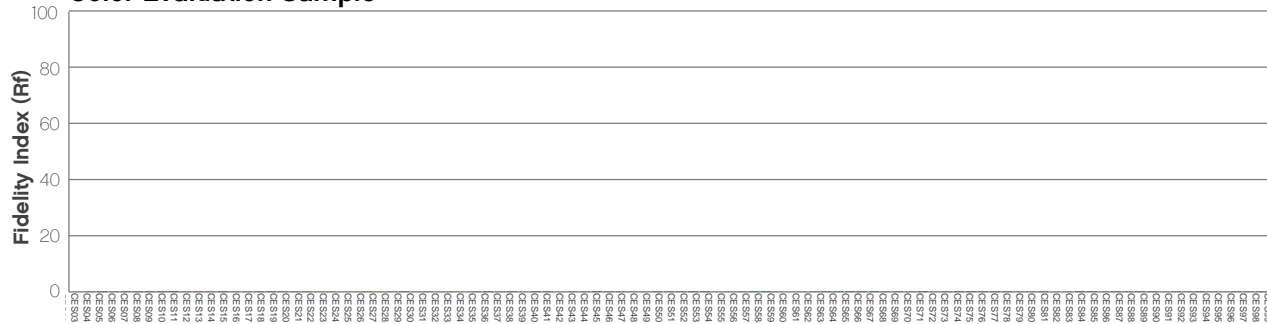
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Blue Only

Report Summary

Measurements

Fixture Output: 4898 lm
Fixture Peak: 28689 cd
Fixture Efficacy: 10 lm/W
Intensity @ 5m: 1148 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 16.3°
Field Angle (10%): 35.1°
Cutoff Angle (3%): 66.9°

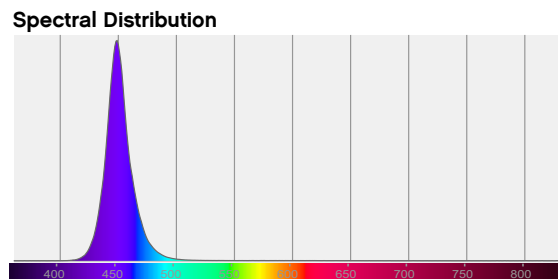
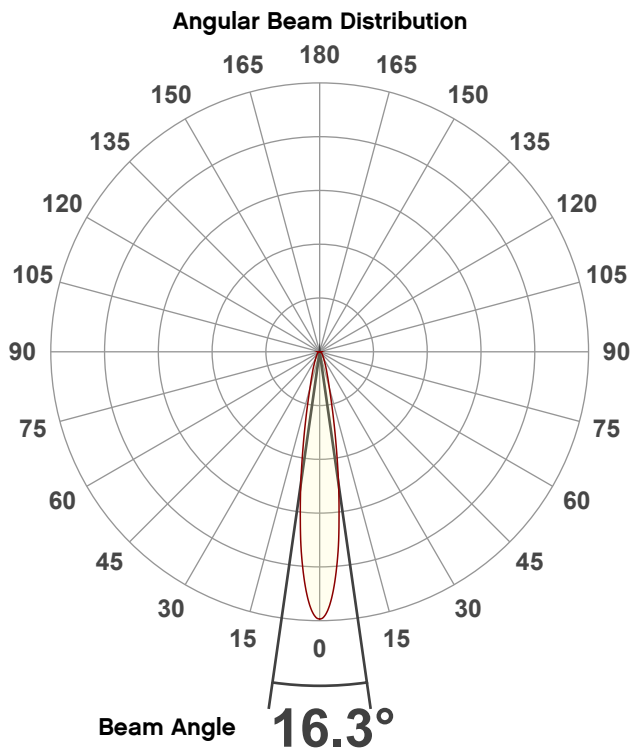


Conditions

AC Supply: 111 V, 60 Hz
Power: 471.65 W
Current: 4.26 A
Power Factor: 1.0

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.155

Y: 0.025



Light Quality

CRI: 0.0

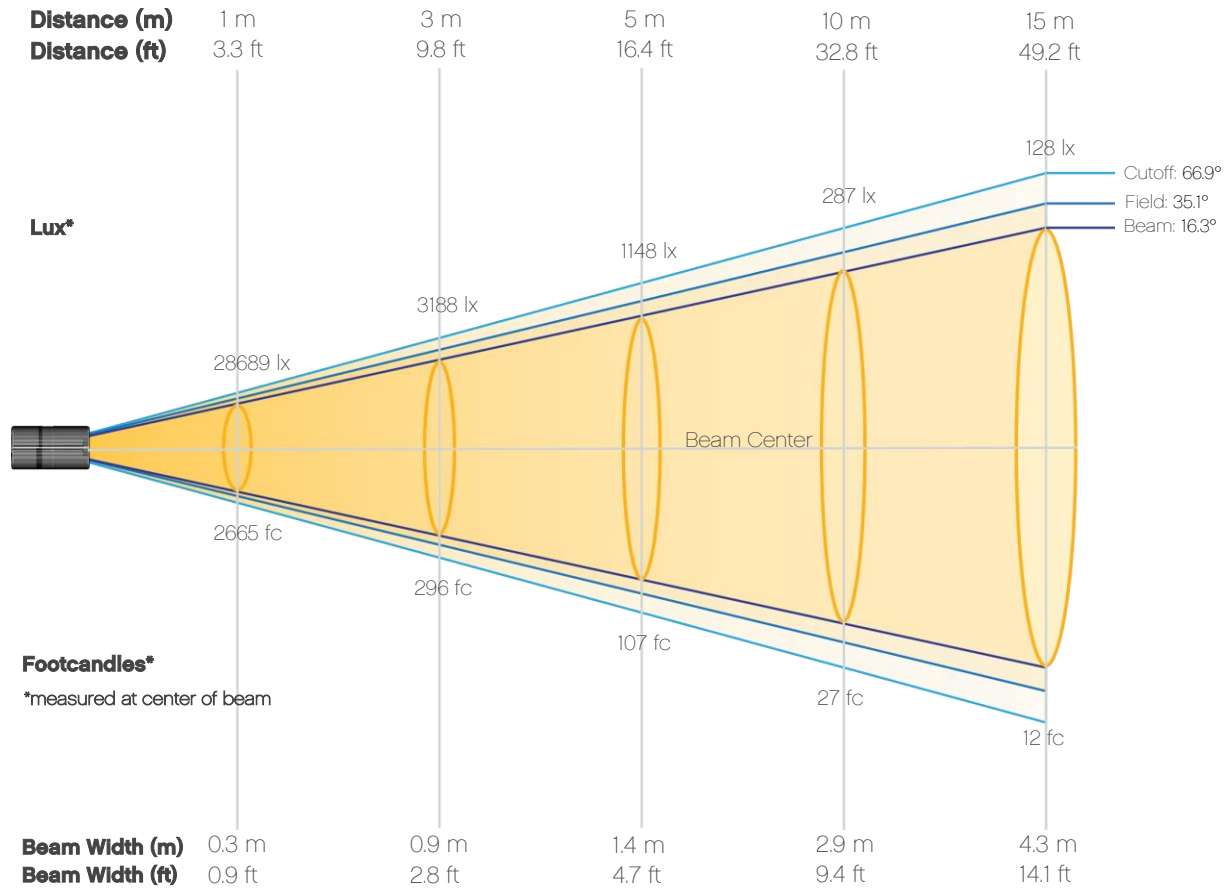
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Blue Only

Beam Details

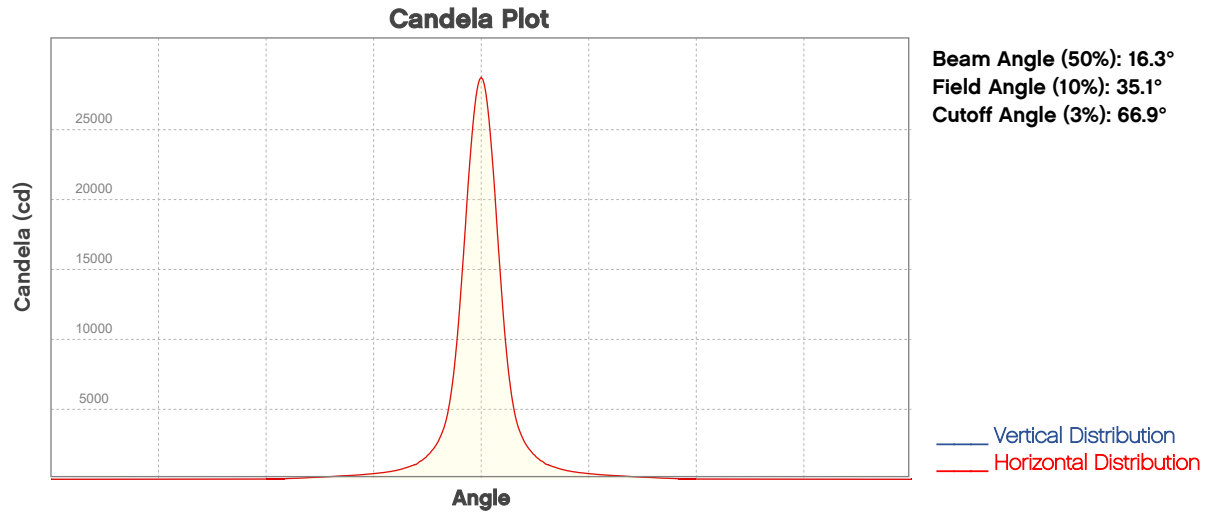


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	28689	7172	3188	1793	1148	797	585	448	354	287
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	237	199	170	146	128	112	99	89	79	72
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2665	666	296	167	107	74	54	42	33	27
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	22	19	16	14	12	10	9	8	7	7

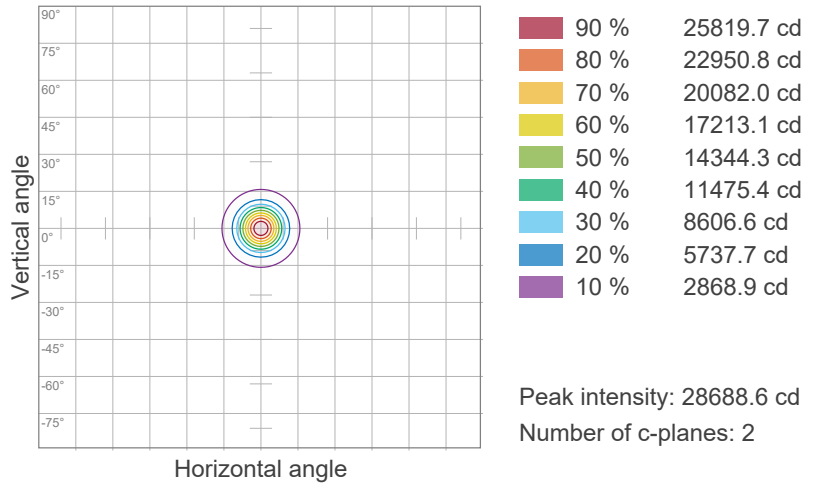
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Blue Only

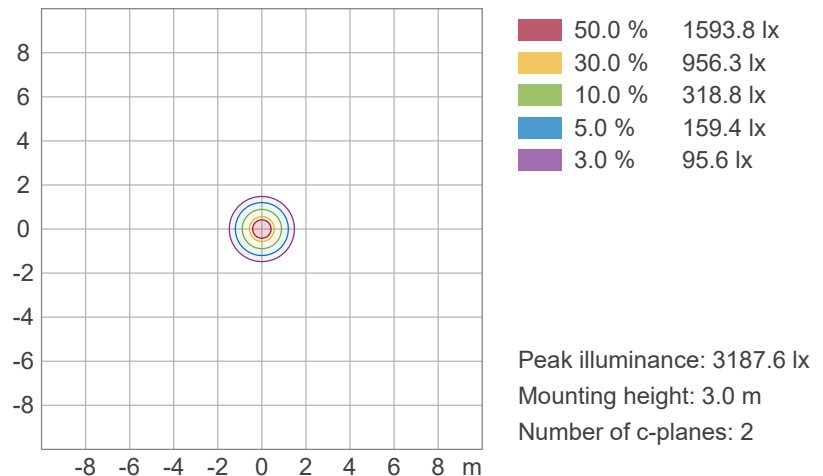


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

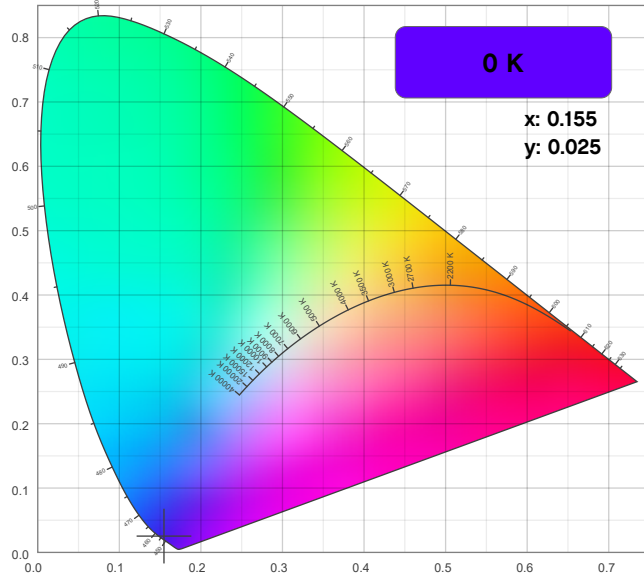


Photometric & Chromaticity Report

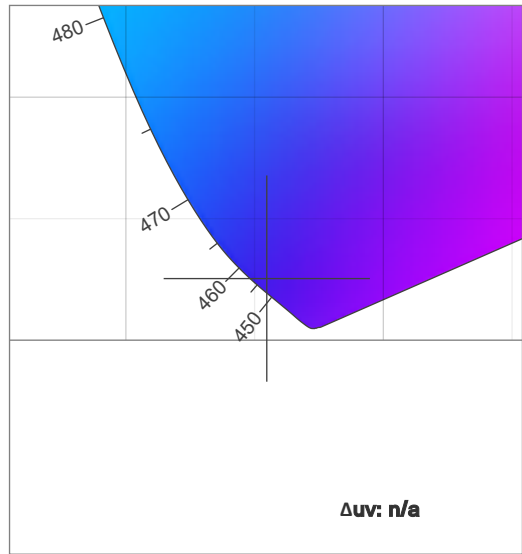
COLORado Solo Bar 6: Standard Optics - Blue Only

Chromaticity

CIE 1931



CIE 1931 - Zoom



CRI: 0.0 (R1-R8)

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

CQS: 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	0.155	0.025

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.025	0.207

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

COLORado Solo Bar 6: Standard Optics - Blue Only

TM-30 Details

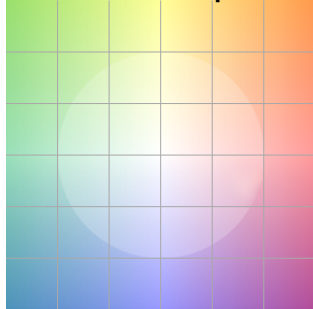
Rf 0.0

Fidelity Index
(Rg)

Rg 0.0

Gammut Index
(Rg)

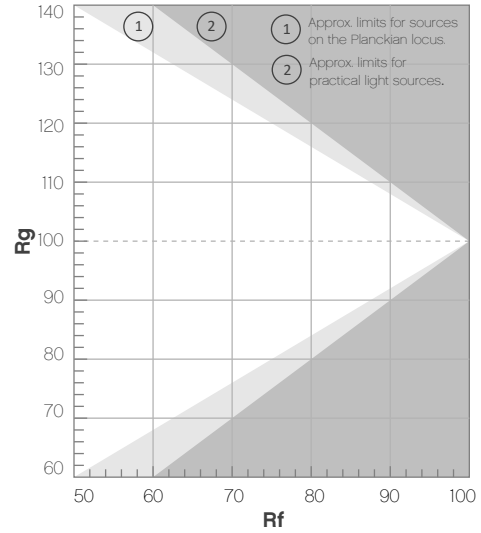
Color Vector Graphic



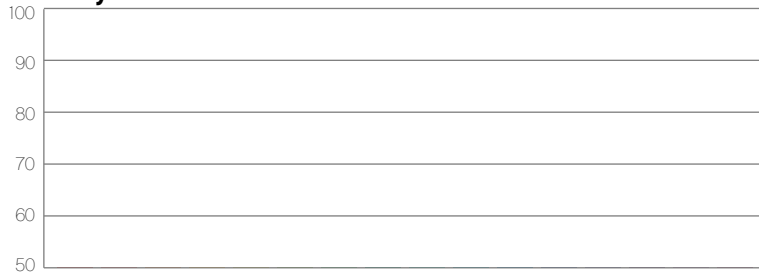
Color Distortion Graphic



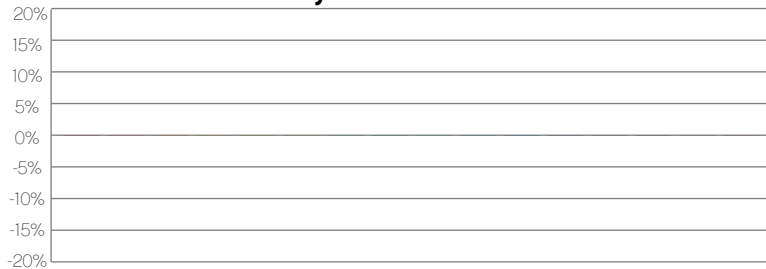
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



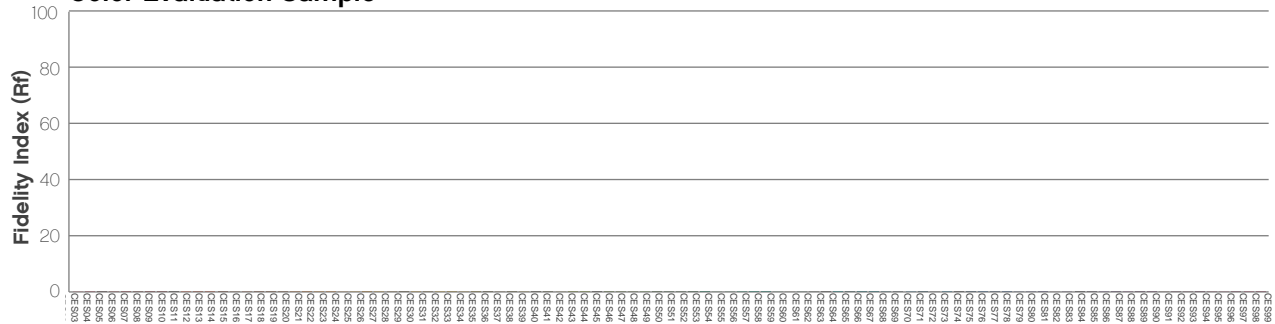
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Lime Only

Report Summary

Measurements

Fixture Output: 28522 lm
Fixture Peak: 161656 cd
Fixture Efficacy: 75 lm/W
Intensity @ 5m: 6466 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCI: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 16.9°
Field Angle (10%): 36.6°
Cutoff Angle (3%): 69.6°

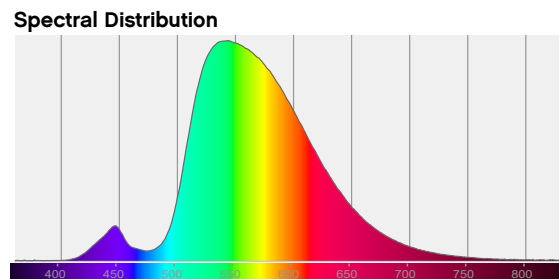
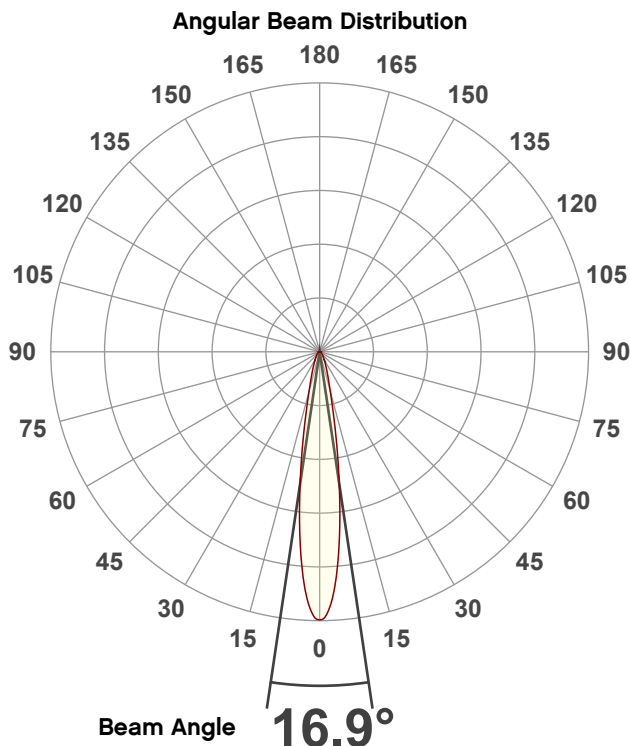


Conditions

AC Supply: 112 V, 60 Hz
Power: 383.85 W
Current: 3.43 A
Power Factor: 0.99

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 Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.400

Y: 0.522



Light Quality

CRI: 0.0

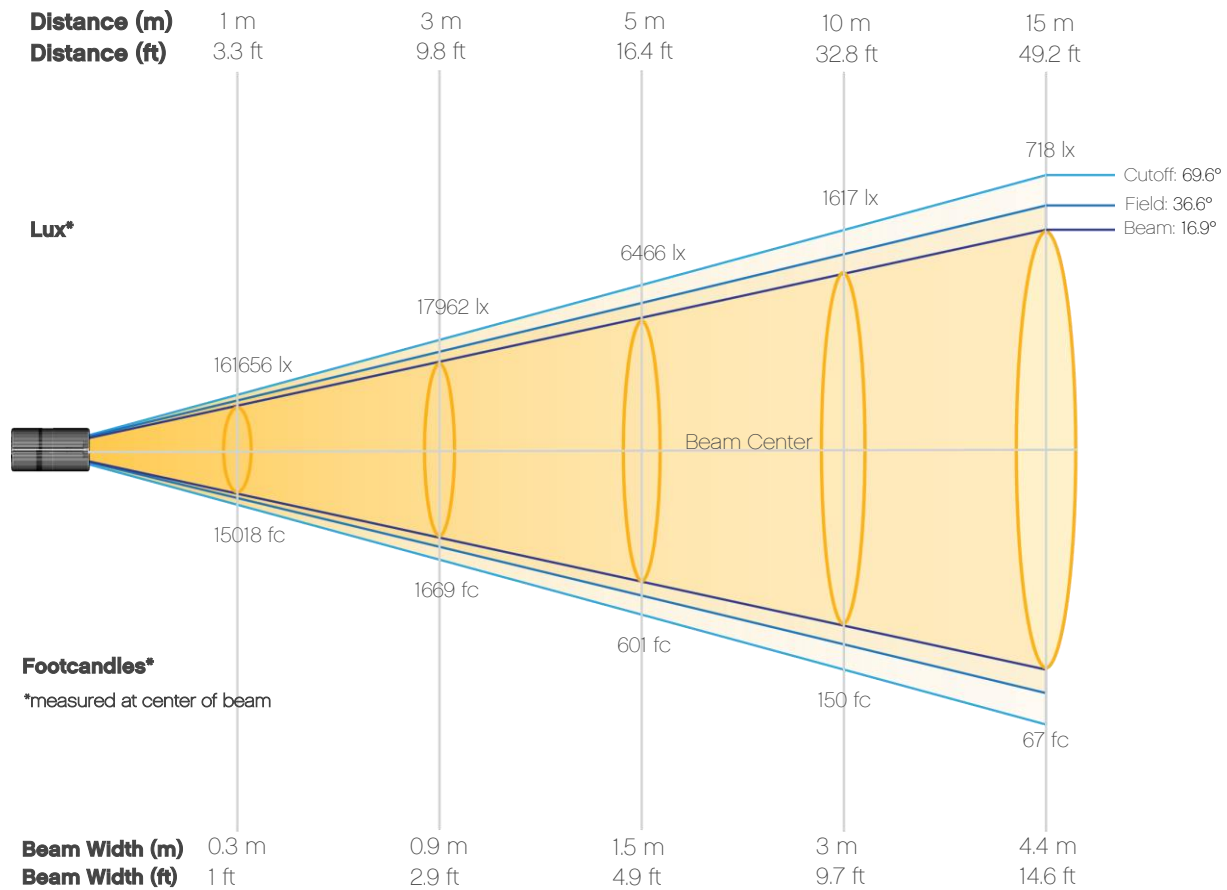
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Lime Only

Beam Details

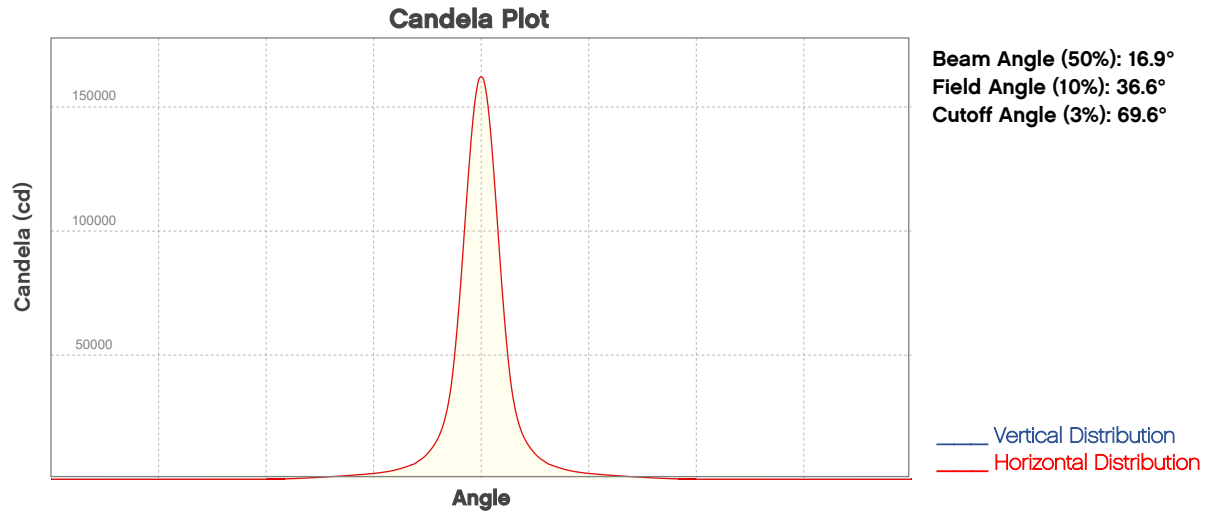


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	161656	40414	17962	10103	6466	4490	3299	2526	1996	1617
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1336	1123	957	825	718	631	559	499	448	404
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15018	3755	1669	939	601	417	306	235	185	150
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	124	104	89	77	67	59	52	46	42	38

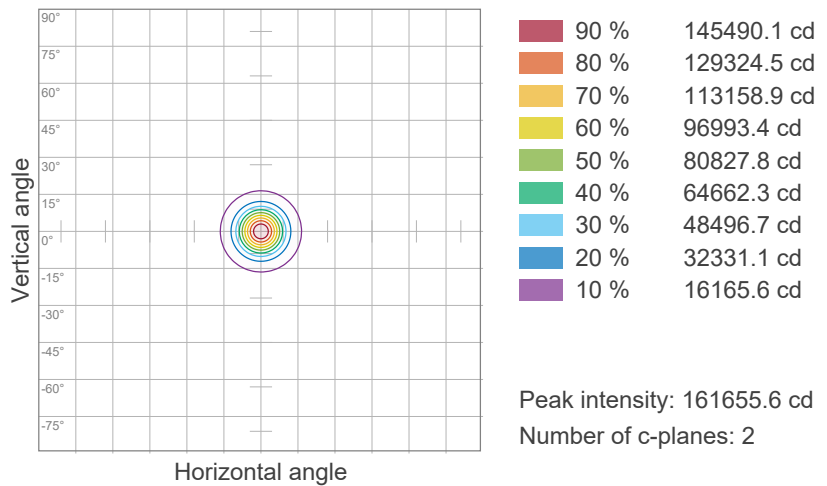
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Lime Only

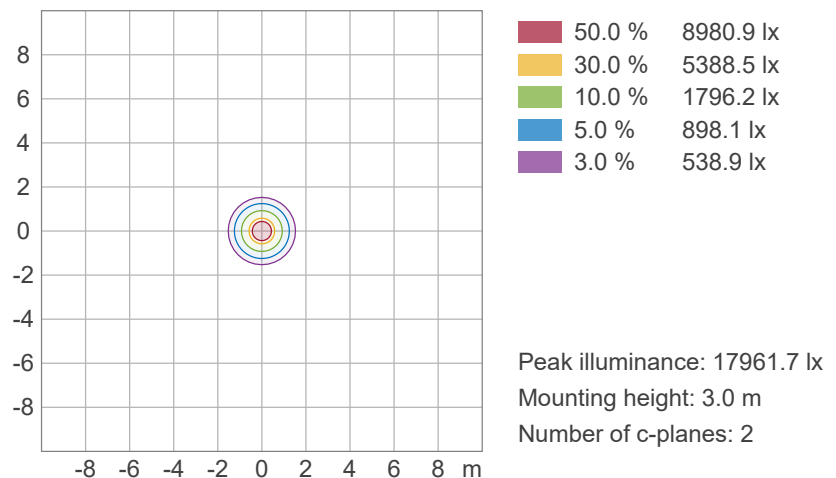


ISO Diagrams

ISO Candela Diagram



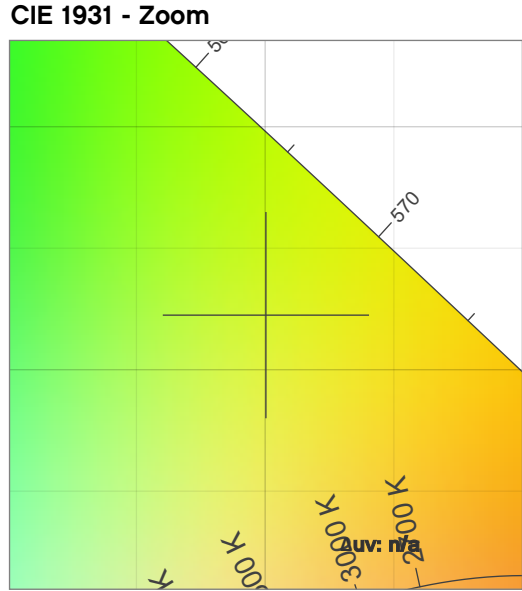
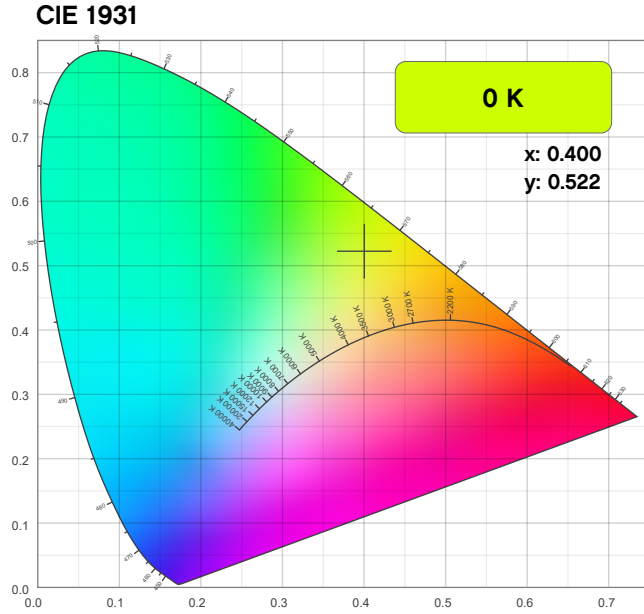
ISO Lux Diagram



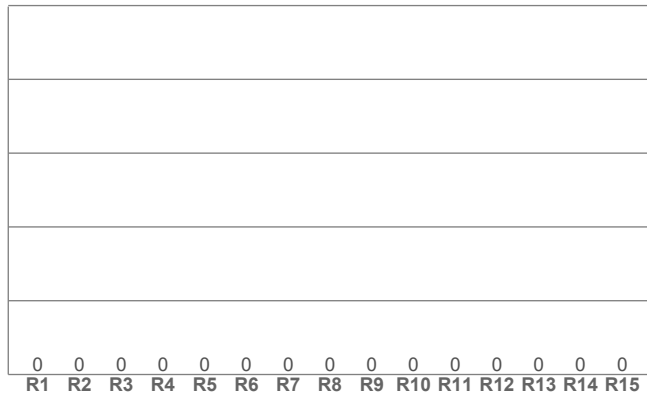
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Lime Only

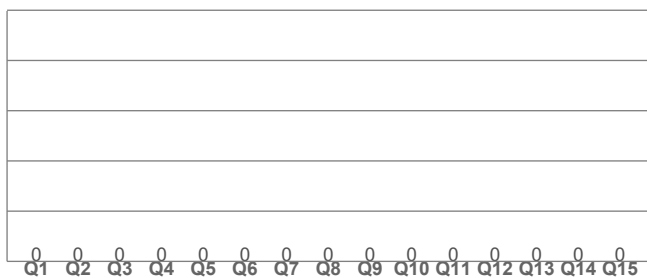
Chromaticity



CRI: 0.0 (R1-R8)



CQS: 0.0



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
0 K	0.400	0.522

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.522	0.189

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

COLORado Solo Bar 6: Standard Optics - Lime Only

TM-30 Details

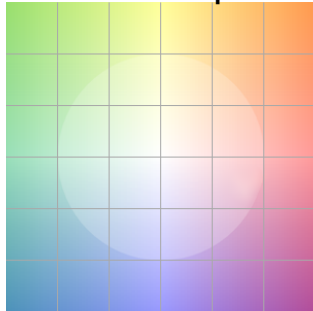
Rf 0.0

Fidelity Index
(Rg)

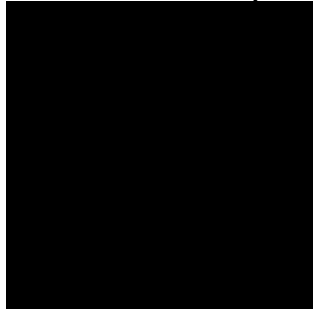
Rg 0.0

Gammut Index
(Rg)

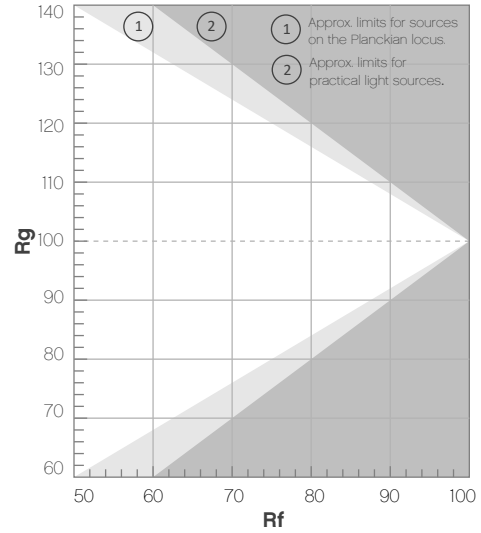
Color Vector Graphic



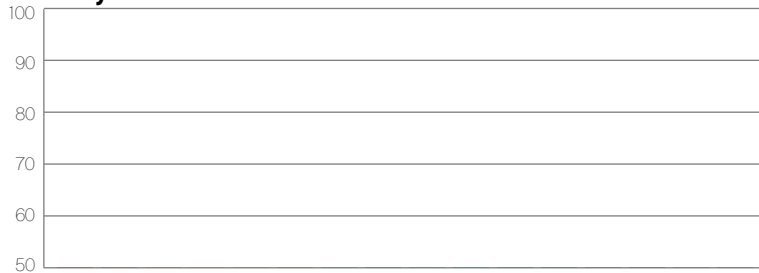
Color Distortion Graphic



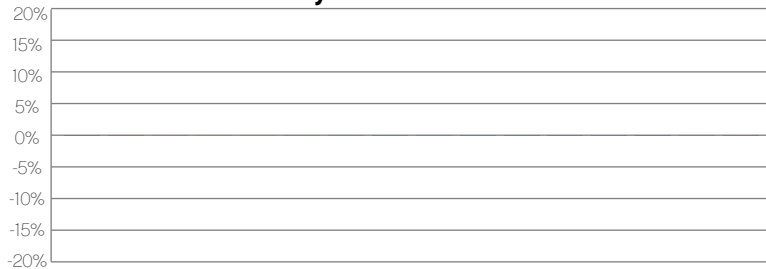
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



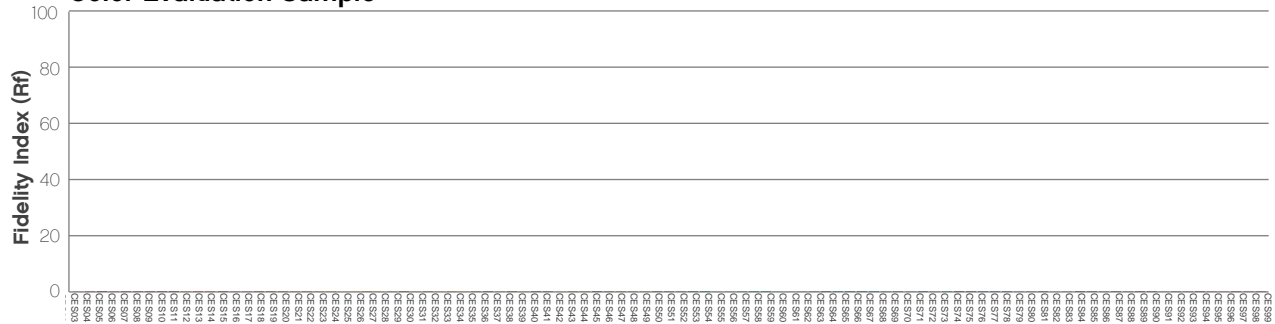
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Warm White Only

Report Summary

Measurements

Fixture Output: 18311 lm
Fixture Peak: 106347 cd
Fixture Efficacy: 54 lm/W
Intensity @ 5m: 4254 lux
Color Temperature: 3063 K
CRI: 82.6 CRI R9 Value: 7.6
CQS: 80.6
TLCI: 63
TM-30 Rf: 83.0
TM-30 Rg: 99.0
Beam Angle (50%): 16.8°
Field Angle (10%): 36°
Cutoff Angle (3%): 68.3°

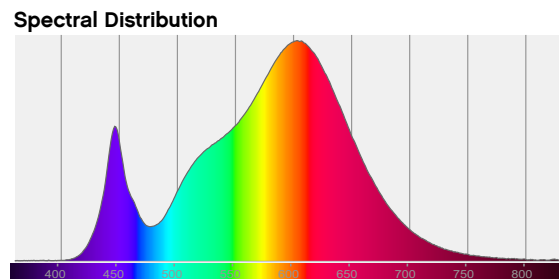
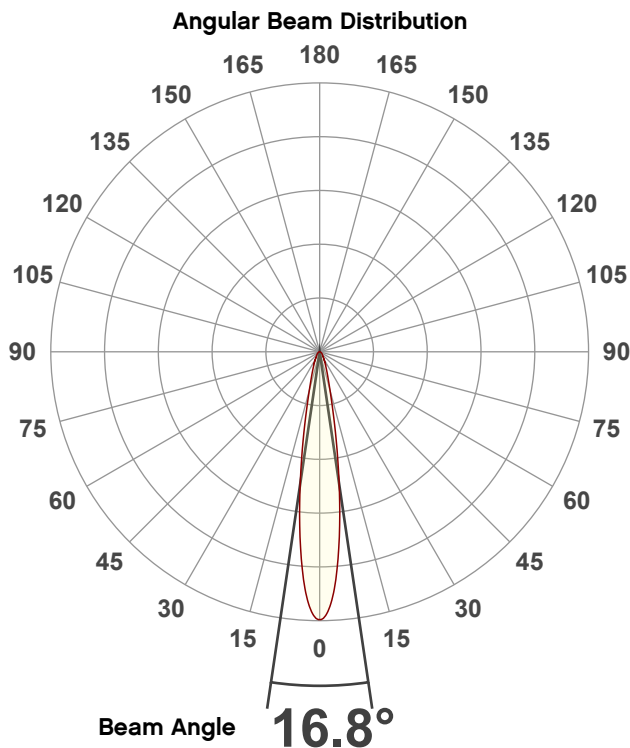


Conditions

AC Supply: 112 V, 60 Hz
Power: 339.2 W
Current: 3.02 A
Power Factor: 0.99

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 Davie, FL on 7/25/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.429

Y: 0.395



Light Quality

CRI: 82.6



Color Temperature

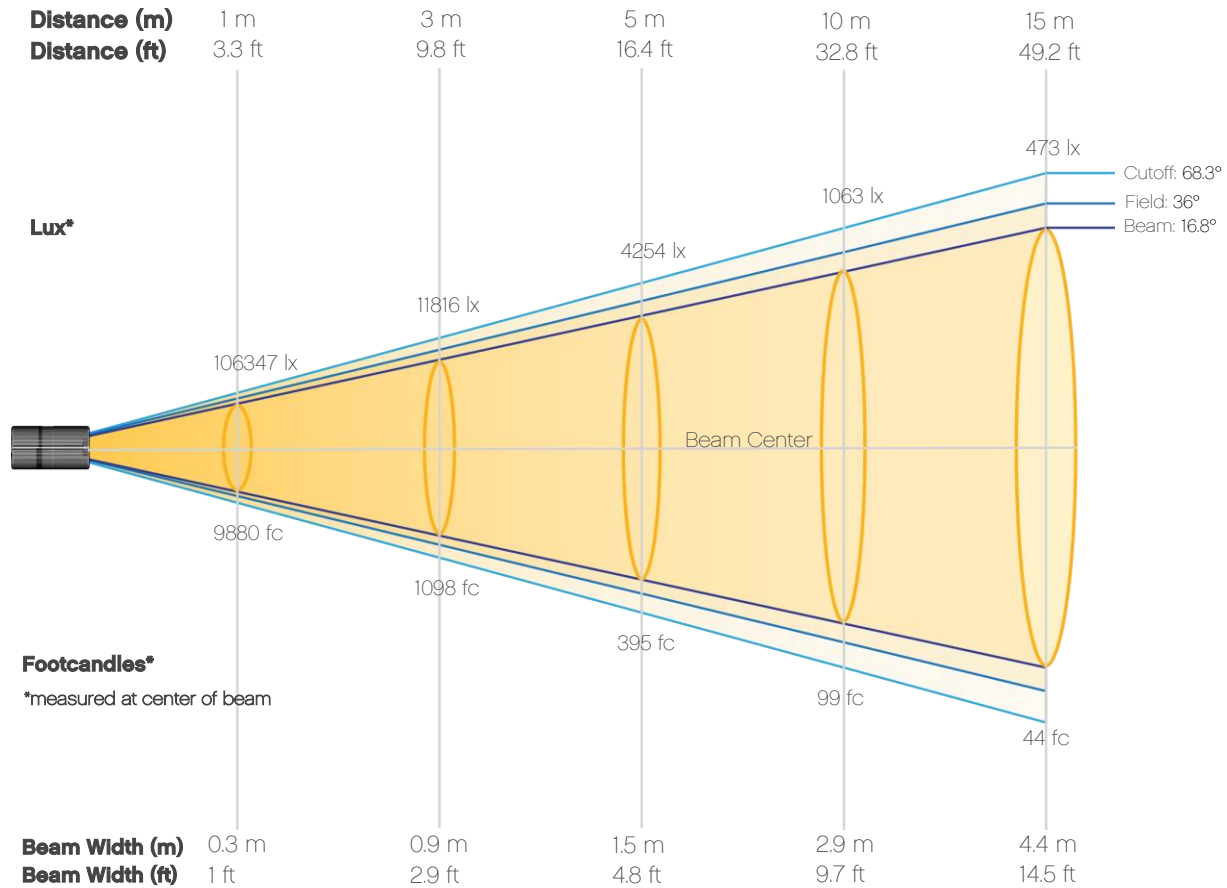
3063 K



Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Warm White Only

Beam Details

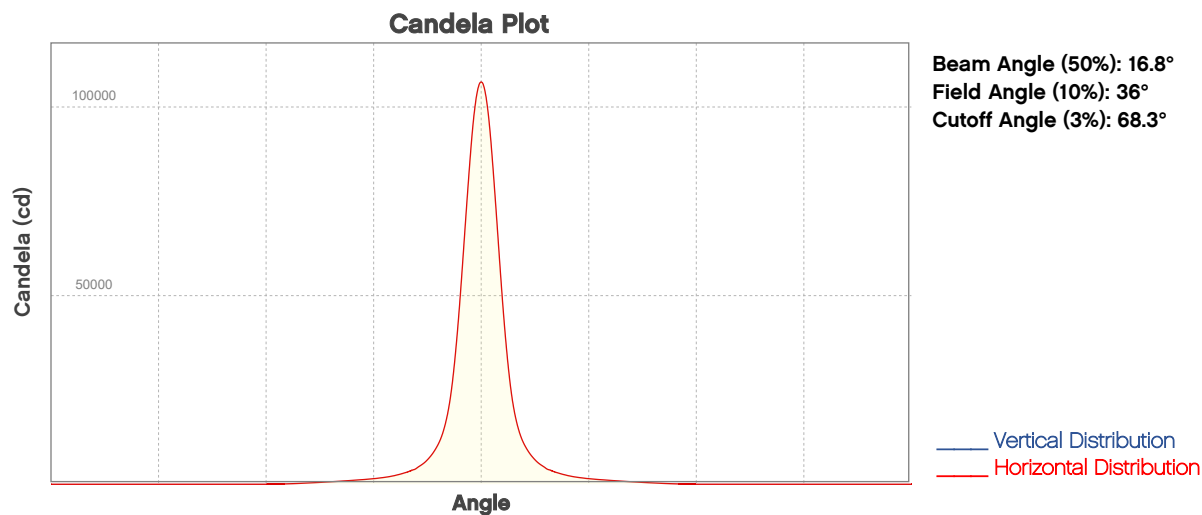


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	106347	26587	11816	6647	4254	2954	2170	1662	1313	1063
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	879	739	629	543	473	415	368	328	295	266
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	9880	2470	1098	618	395	274	202	154	122	99
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	82	69	58	50	44	39	34	30	27	25

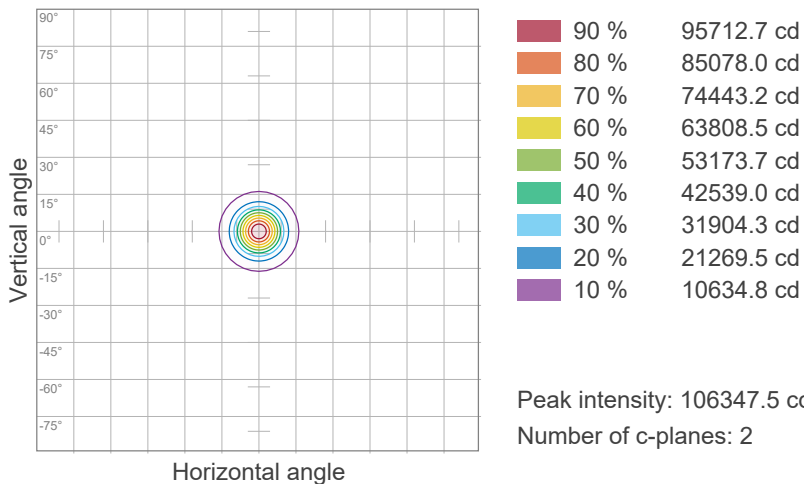
Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Warm White Only

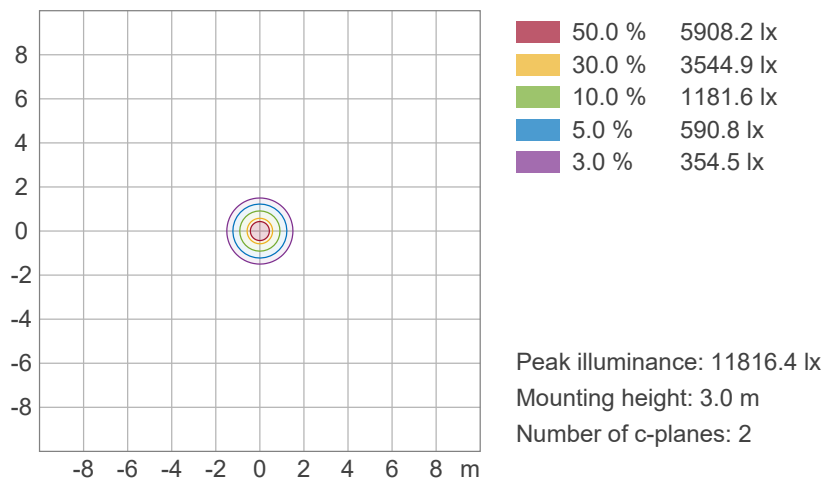


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

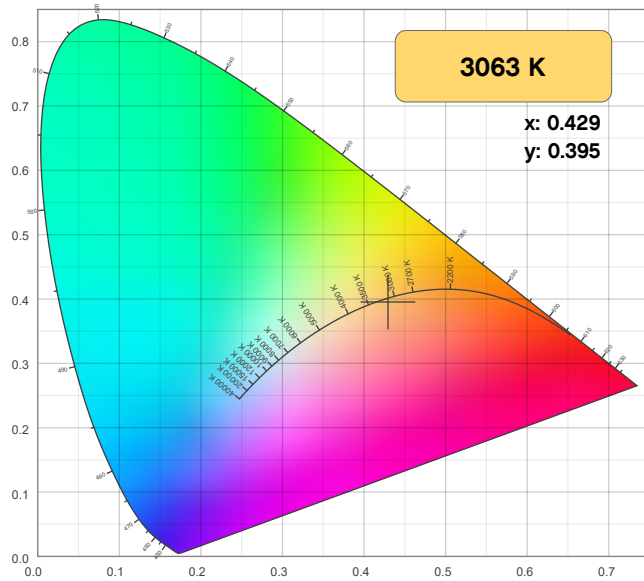


Photometric & Chromaticity Report

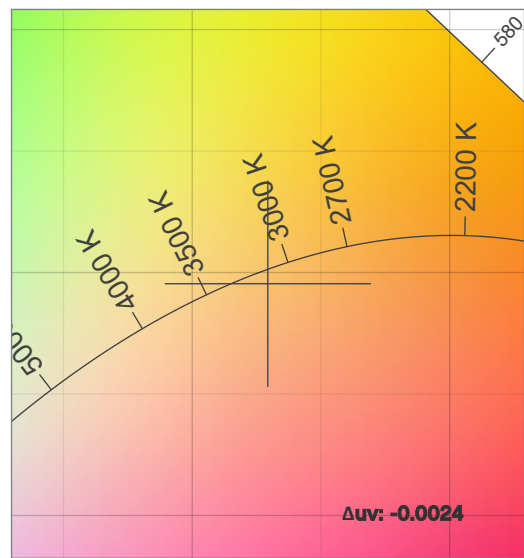
COLORado Solo Bar 6: Standard Optics - Warm White Only

Chromaticity

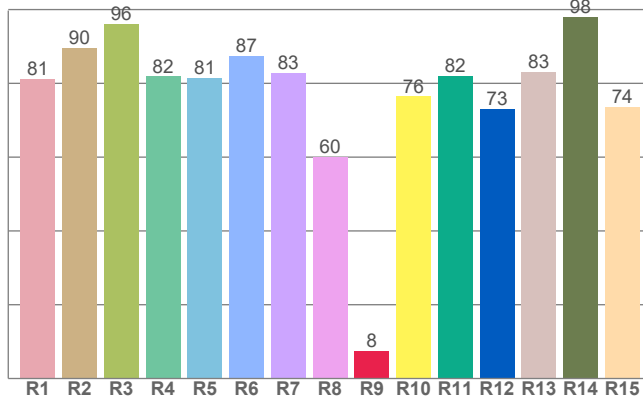
CIE 1931



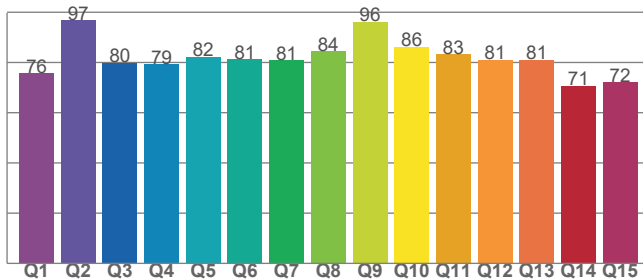
CIE 1931 - Zoom



CRI: 82.6 (R1-R8)



CQS: 80.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3063 K	0.429	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0024	0.395	0.249

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
82.6	7.6	80.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
63	83.0	99.0

Photometric & Chromaticity Report

COLORado Solo Bar 6: Standard Optics - Warm White Only

TM-30 Details

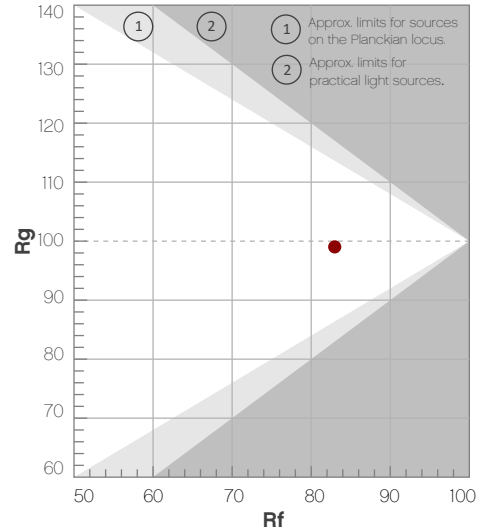
Rf 83.0

Fidelity Index
(R_f)

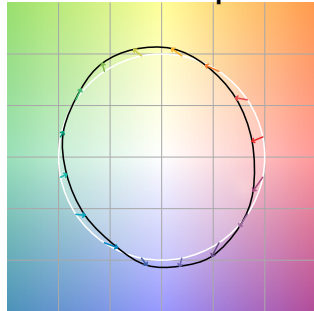
Rg 99.0

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-8%	8%
3	73	-2%	14%
4	81	5%	11%
5	89	8%	6%
6	87	8%	-3%
7	82	2%	-11%
8	91	-2%	-6%
9	89	-6%	-2%
10	84	-7%	6%
11	81	-3%	13%
12	83	6%	6%
13	88	7%	-4%
14	82	7%	-13%
15	79	0%	-14%
16	80	-7%	-15%



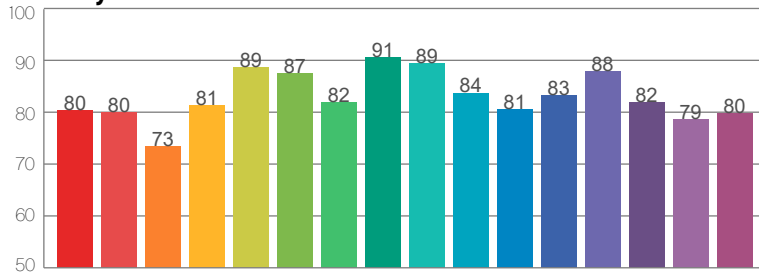
Color Vector Graphic



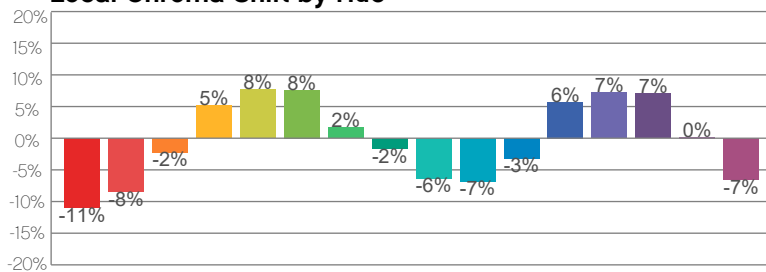
Color Distortion Graphic



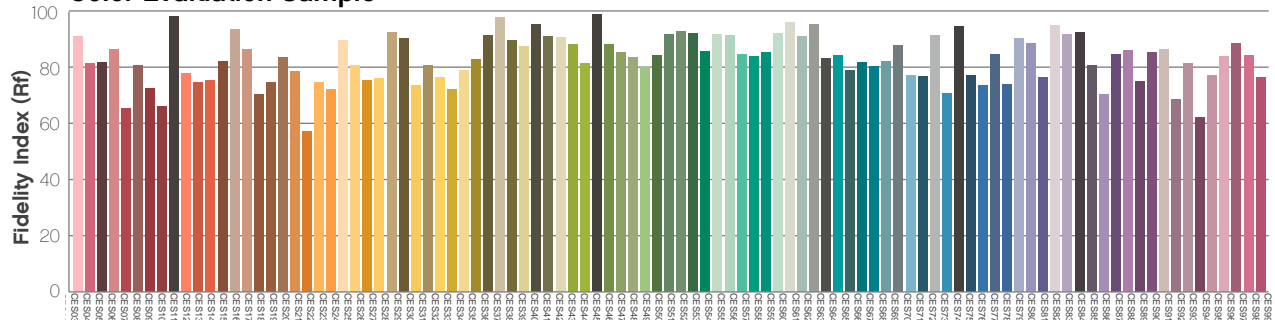
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



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

