

COLORADO *SOLO BAR* 4

PHOTOMETRICS REPORT



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Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

The Chauvet headquarters in 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 4: Standard Optics - Full Power

Report Summary

Measurements

Fixture Output: 18210 lm
Fixture Peak: 89312 cd
Fixture Efficacy: 51 lm/W
Intensity @ 5m: 3537 lux
Color Temperature: 5896 K
CRI: 80.8 CRI R9 Value: 28.7
CQS: 88.4
TLCI: 76
TM-30 Rf: 84.6
TM-30 Rg: 112.8
Beam Angle (50%): 17.8°
Field Angle (10%): 42°
Cutoff Angle (3%): 77.6°

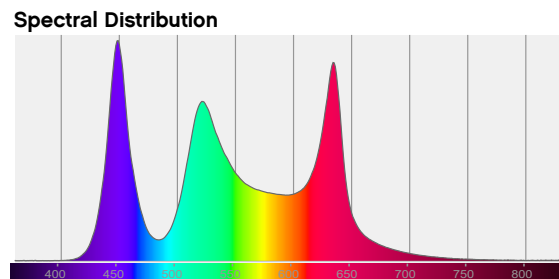
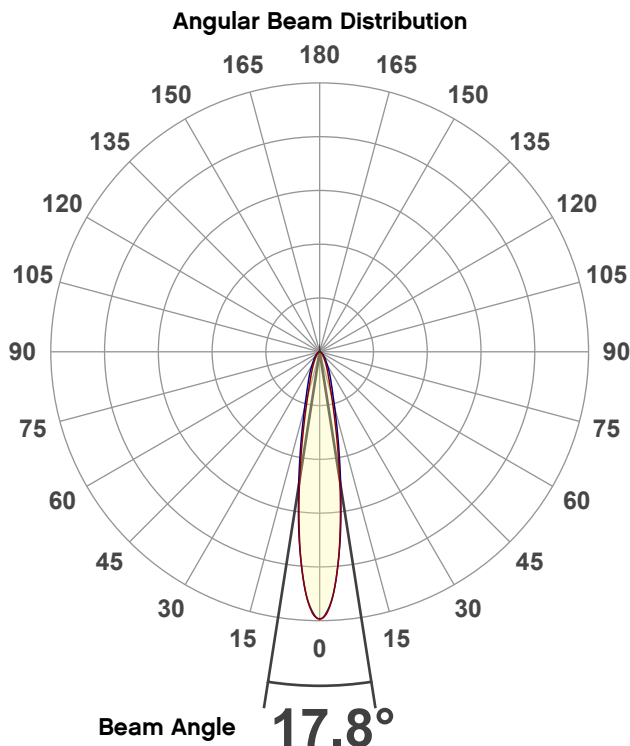


Conditions

AC Supply: 113 V, 60 Hz
Power: 361.34 W
Current: 3.20 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.324

Y: 0.338



Light Quality

CRI: 80.8

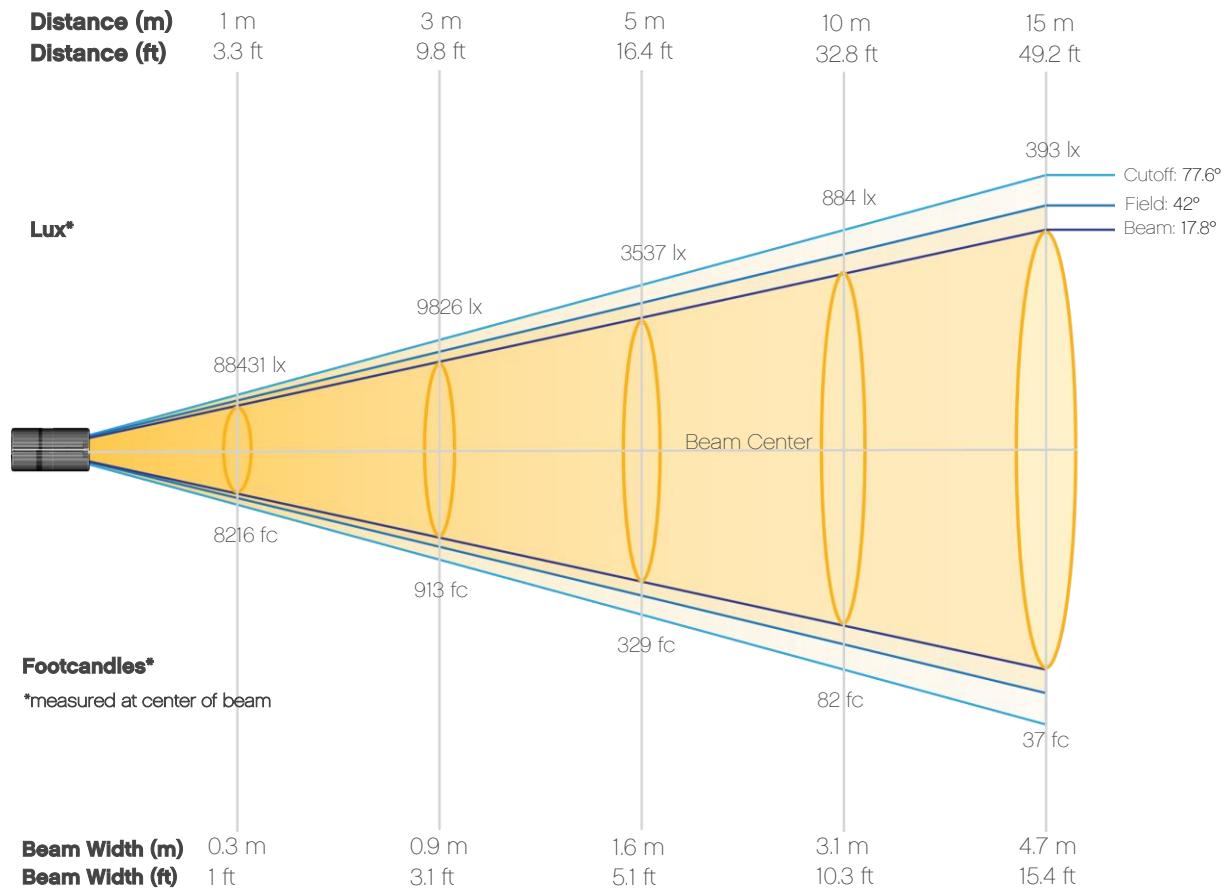
Color Temperature

5896 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Full Power

Beam Details

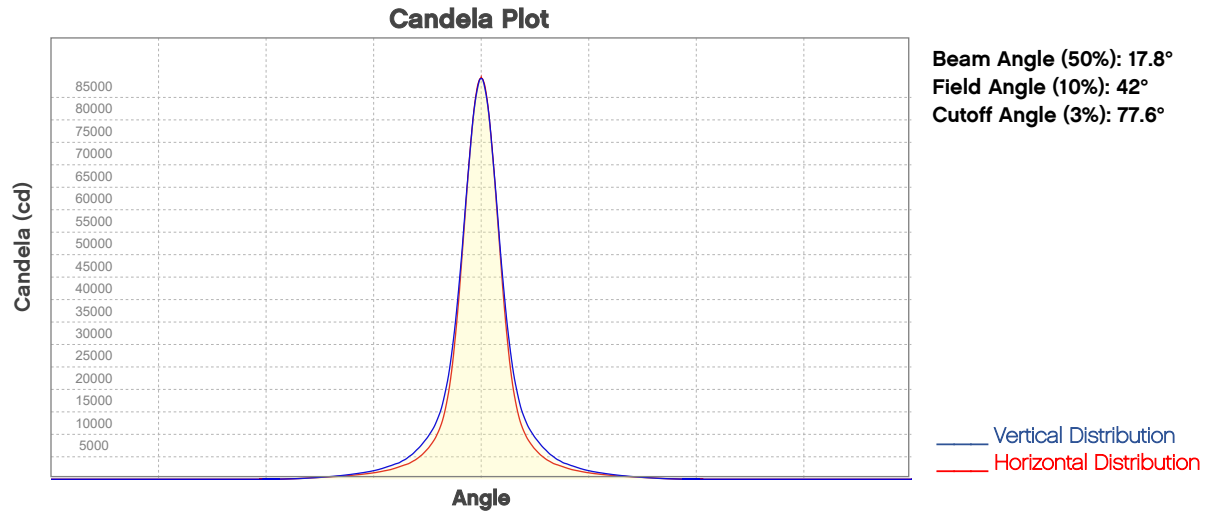


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	88431	22108	9826	5527	3537	2456	1805	1382	1092	884
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	731	614	523	451	393	345	306	273	245	221
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8216	2054	913	513	329	228	168	128	101	82
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	68	57	49	42	37	32	28	25	23	21

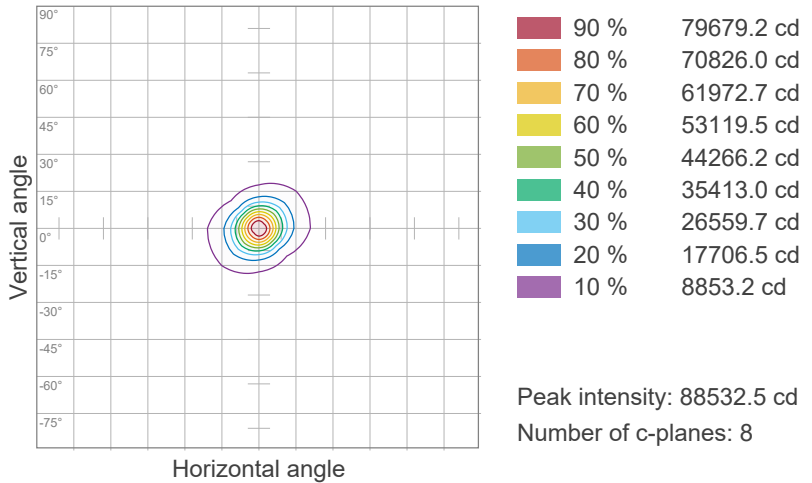
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Full Power

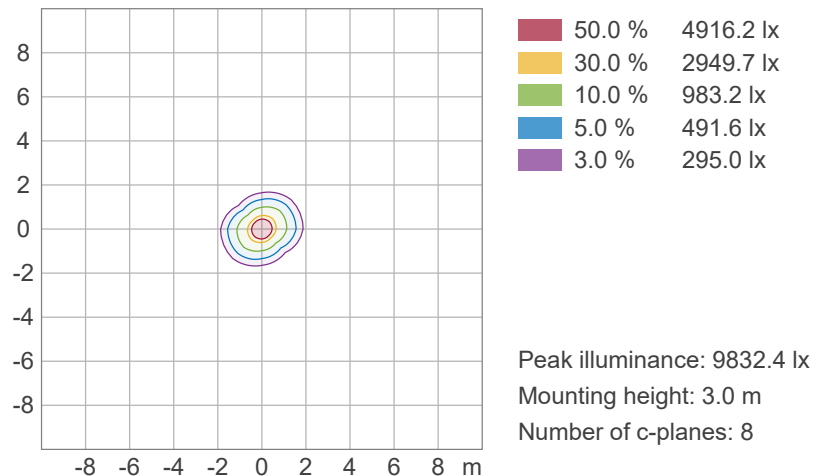


ISO Diagrams

ISO Candela Diagram



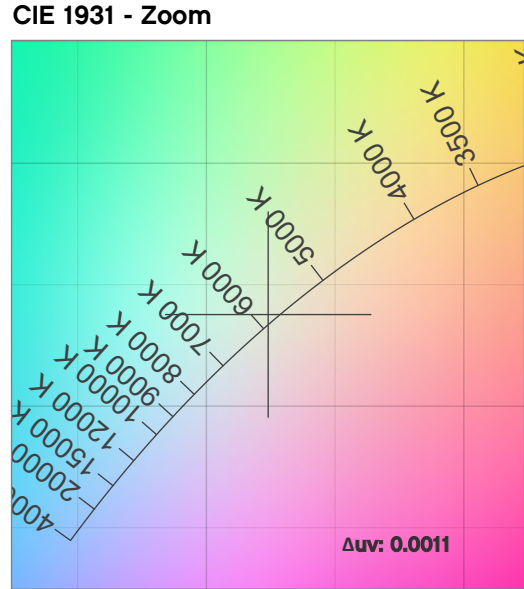
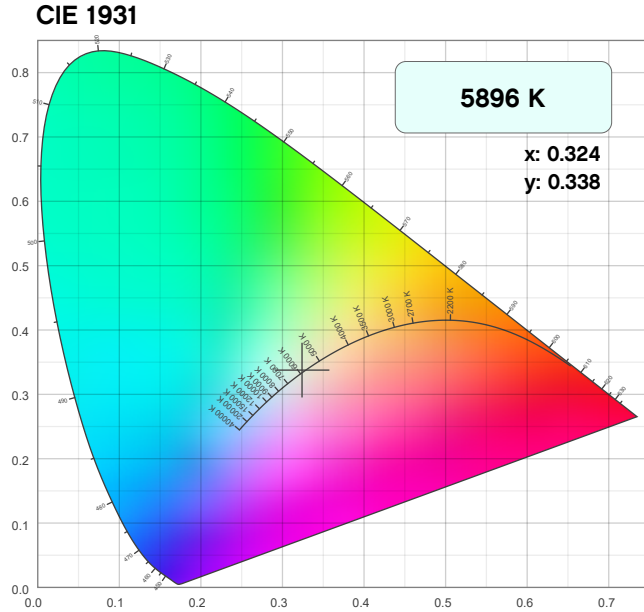
ISO Lux Diagram



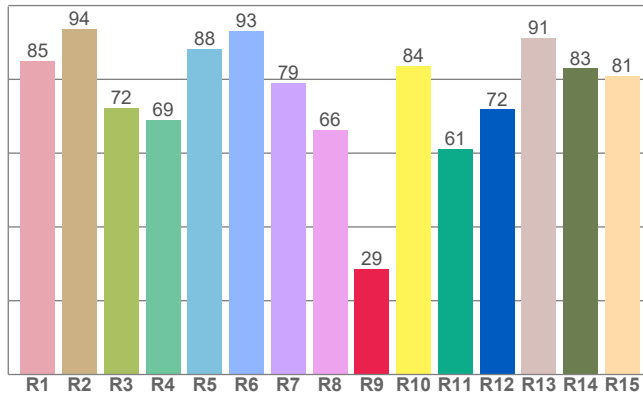
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Full Power

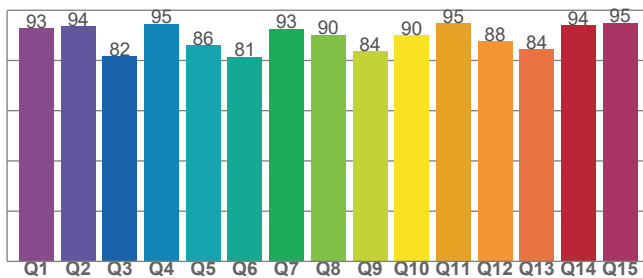
Chromaticity



CRI: 80.8 (R1-R8)



CQS: 88.4



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5896 K	0.324	0.338

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0011	0.338	0.202

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
80.8	28.7	88.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
76	84.6	112.8

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Full Power

TM-30 Details

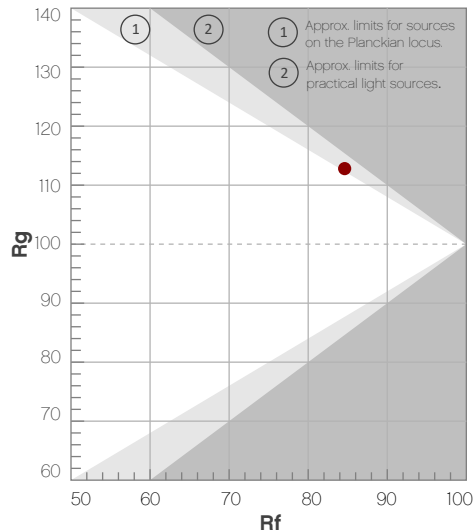
Rf 84.6

Fidelity Index
(R_f)

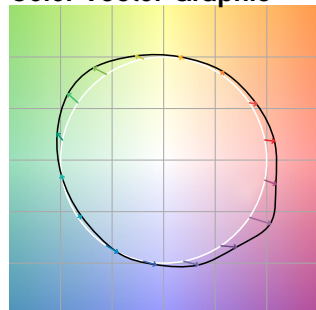
Rg 112.8

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	9%	-3%
2	88	5%	-5%
3	91	3%	-1%
4	91	1%	5%
5	84	4%	7%
6	81	12%	7%
7	80	13%	-2%
8	85	6%	-5%
9	92	0%	-5%
10	93	-4%	1%
11	80	-1%	13%
12	83	1%	12%
13	84	6%	13%
14	76	9%	12%
15	78	20%	6%
16	80	11%	-2%



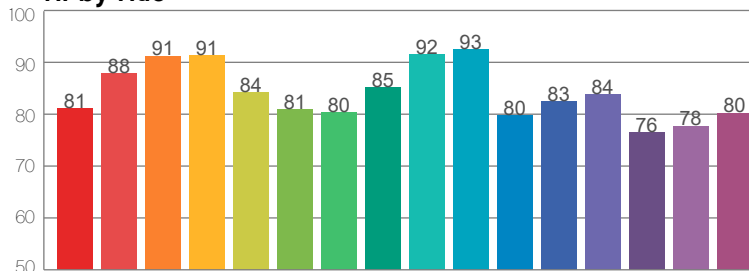
Color Vector Graphic



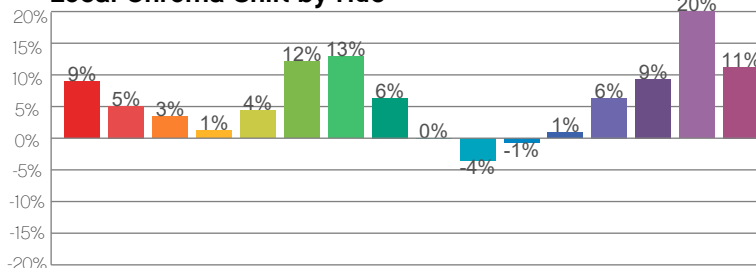
Color Distortion Graphic



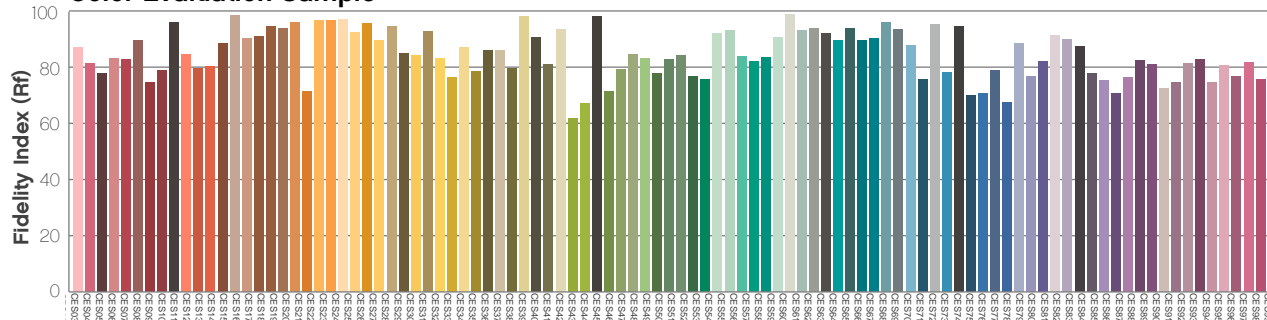
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Half Filter - Full Power

Report Summary

Measurements

Fixture Output: 14998 lm
Fixture Peak: 59585 cd
Fixture Efficacy: 43 lm/W
Intensity @ 5m: 2380 lux
Color Temperature: 8321 K
CRI: 55.1 CRI R9 Value: -121.3
CQS: 81.7
TLCI: 61
TM-30 Rf: 71.4
TM-30 Rg: 124.5
Beam Angle (50%): 16.8°
Field Angle (10%): 50.1°
Cutoff Angle (3%): 91.5°

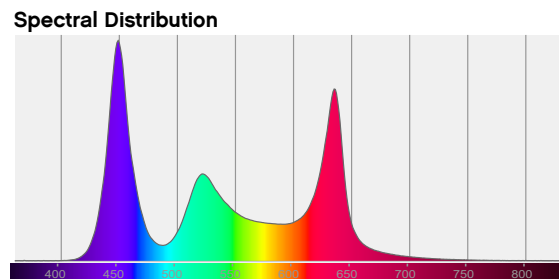
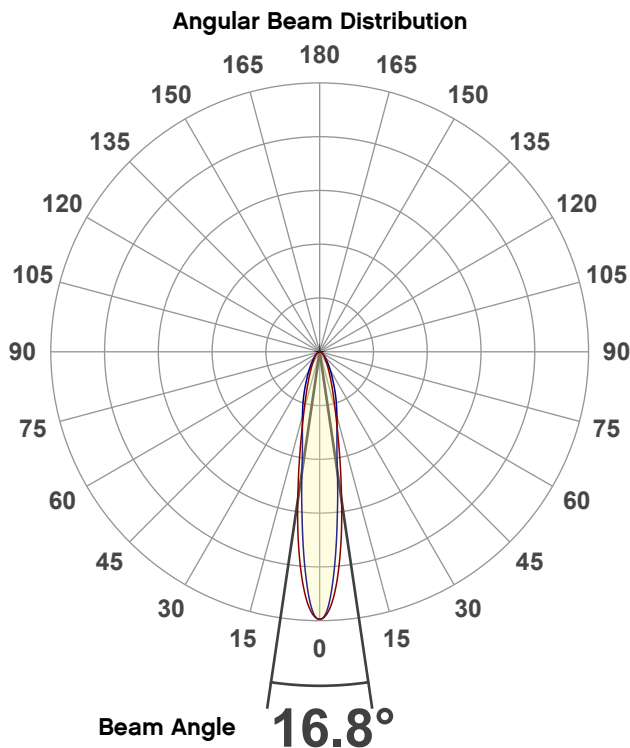


Conditions

AC Supply: 113 V, 60.1 Hz
Power: 353.08 W
Current: 3.12 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 7/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.306

Y: 0.265



Light Quality

CRI: 55.1

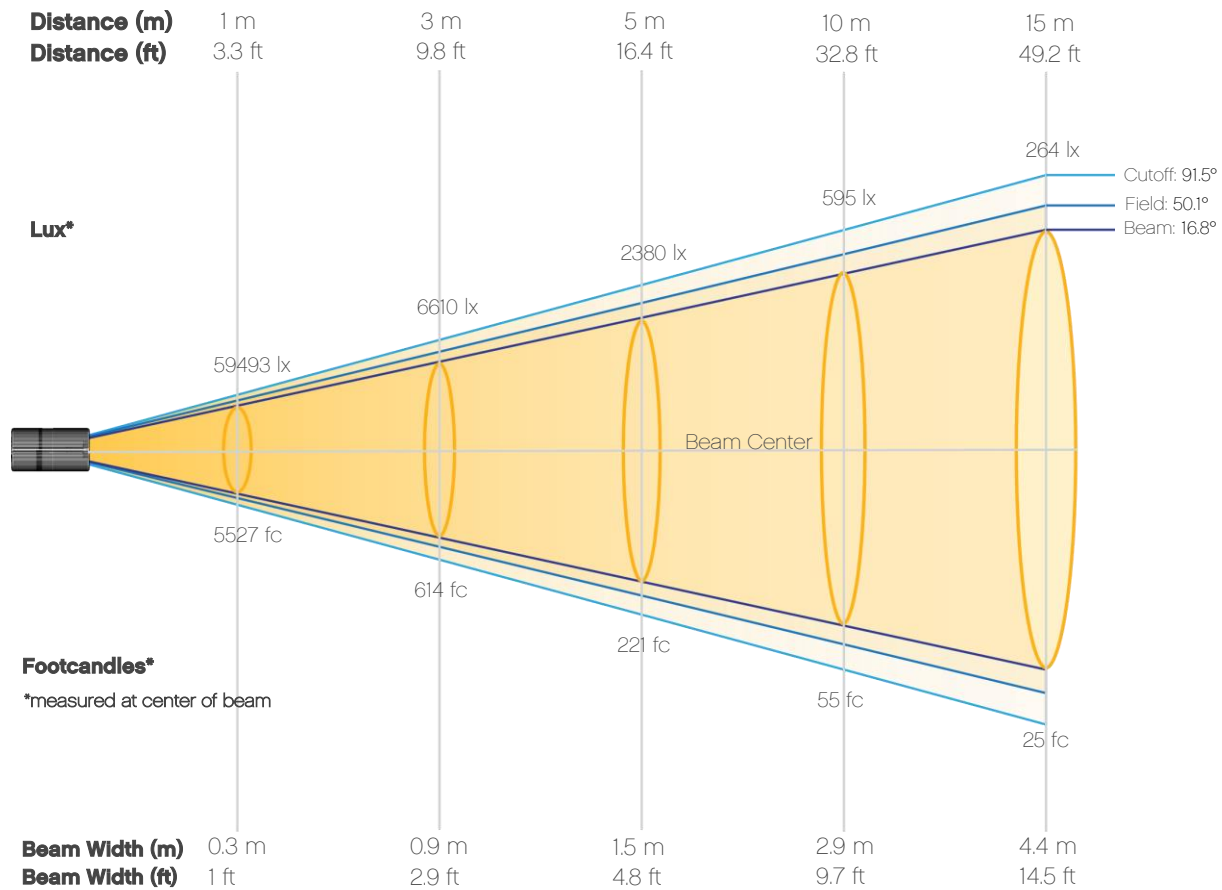
Color Temperature

8321 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Half Filter - Full Power

Beam Details

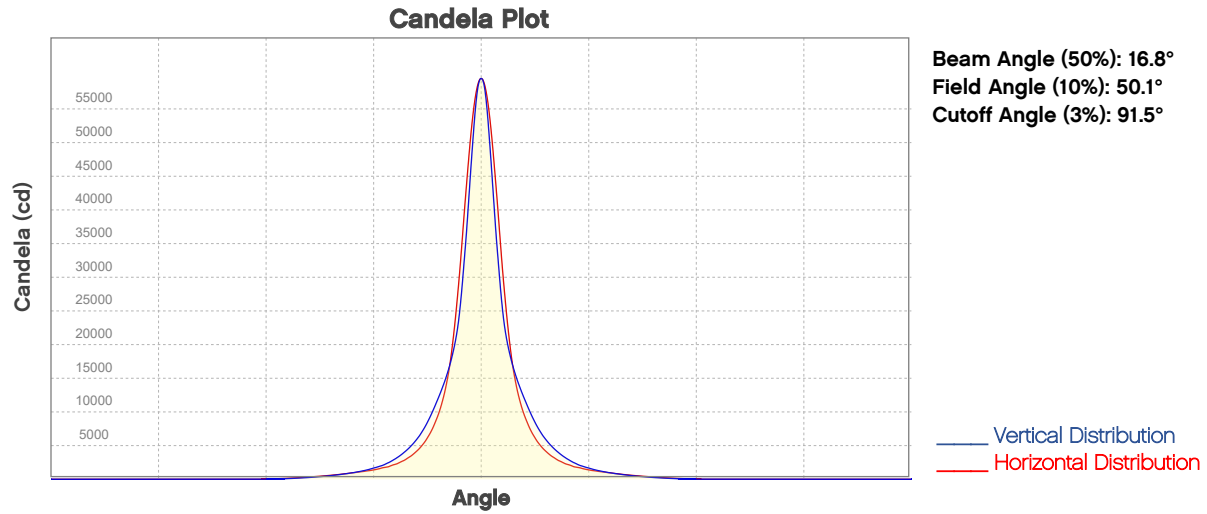


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	59493	14873	6610	3718	2380	1653	1214	930	734	595
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	492	413	352	304	264	232	206	184	165	149
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5527	1382	614	345	221	154	113	86	68	55
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	46	38	33	28	25	22	19	17	15	14

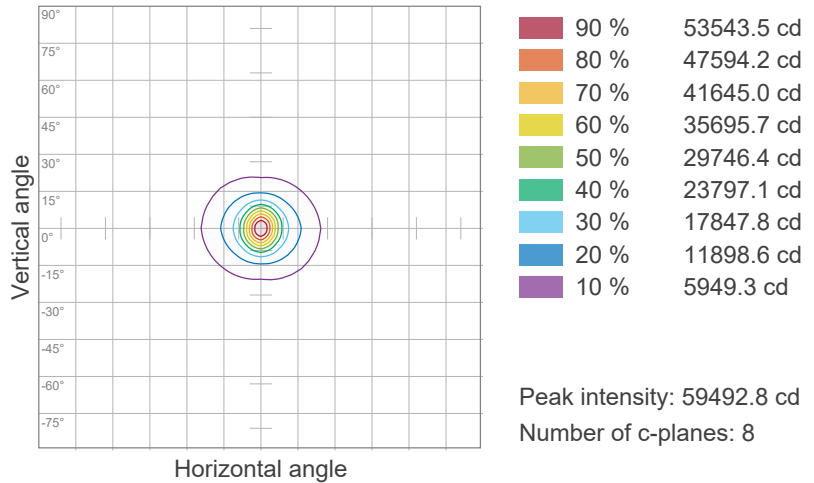
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Half Filter - Full Power

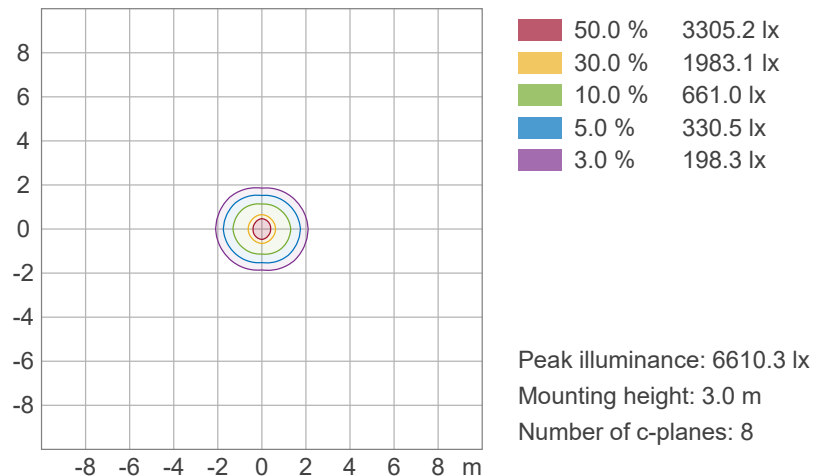


ISO Diagrams

ISO Candela Diagram



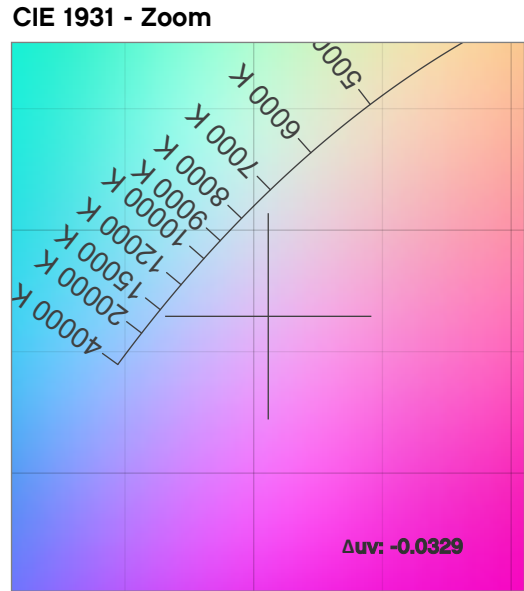
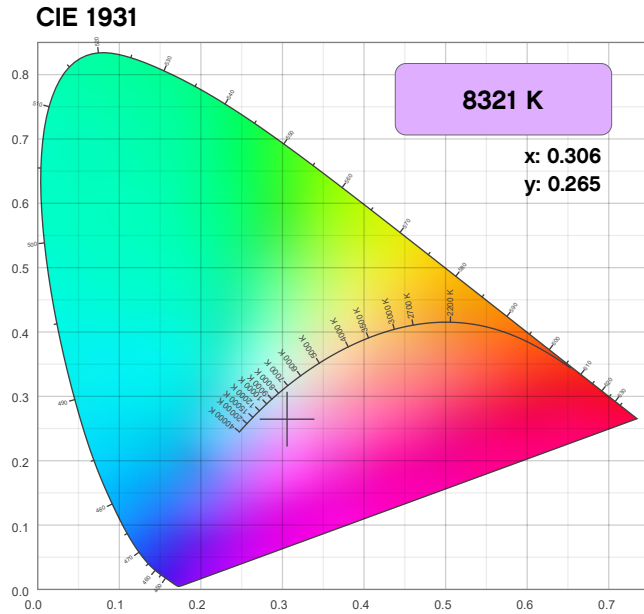
ISO Lux Diagram



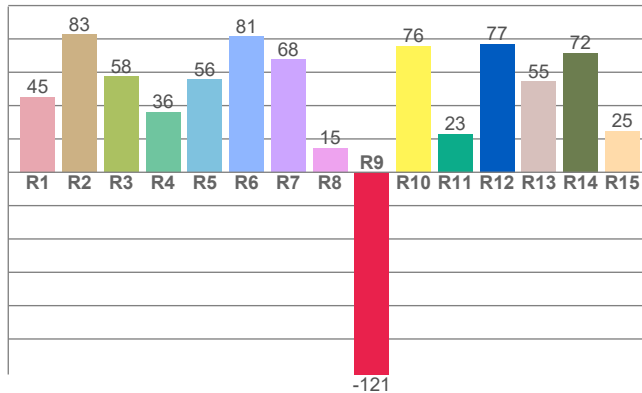
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Half Filter - Full Power

Chromaticity



CRI: 55.1 (R1-R8)

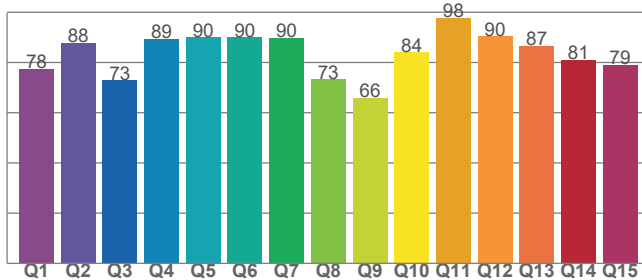


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8321 K	0.306	0.265

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0329	0.265	0.220

CQS: 81.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
55.1	-121.3	81.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
61	71.4	124.5

Photometric & Chromaticity Report

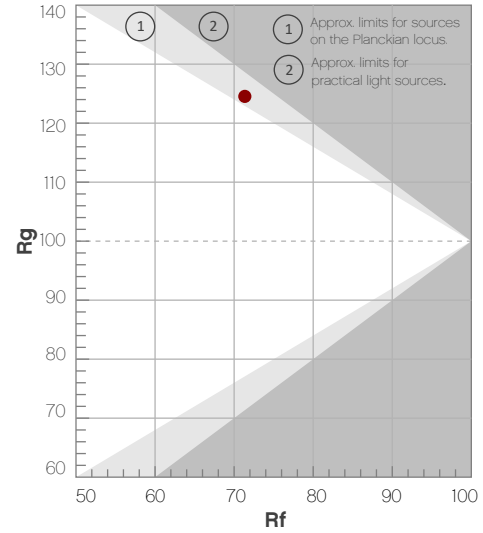
COLORado Solo Bar 4: Standard Optics-w/Half Filter - Full Power

TM-30 Details

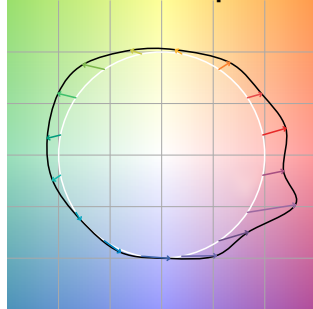
Rf 71.4
Fidelity Index
(R_f)

Rg 124.5
Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	57	23%	2%
2	71	14%	-4%
3	78	11%	-5%
4	87	3%	7%
5	78	6%	9%
6	70	15%	15%
7	74	17%	6%
8	69	12%	6%
9	86	9%	4%
10	86	0%	8%
11	62	1%	19%
12	65	-3%	27%
13	61	6%	33%
14	53	9%	28%
15	51	35%	32%
16	62	19%	8%



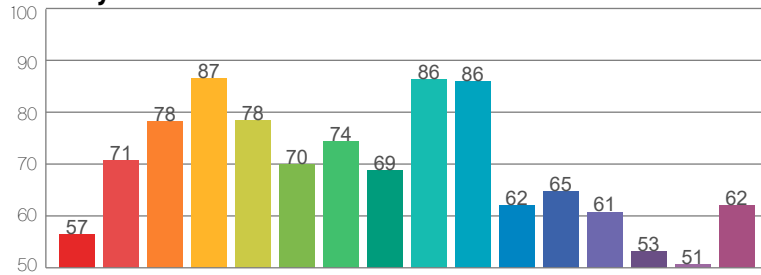
Color Vector Graphic



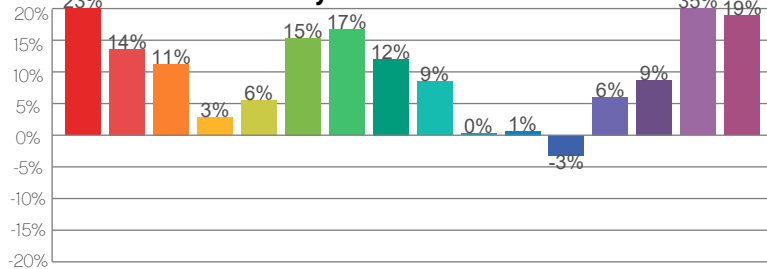
Color Distortion Graphic



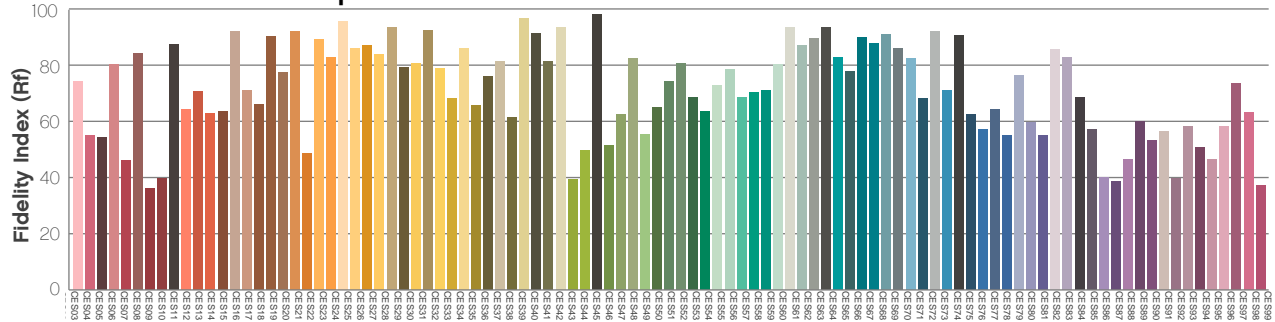
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/CYC Filter - Full Power

Report Summary

Measurements

Fixture Output: 14038 lm
Fixture Peak: 23042 cd
Fixture Efficacy: 39 lm/W
Intensity @ 5m: 911 lux
Color Temperature: 8274 K
CRI: 55.7 CRI R9 Value: -118.4
CQS: 81.9
TLCI: 61
TM-30 Rf: 71.7
TM-30 Rg: 124.3
Beam Angle (50%): 34.2°
Field Angle (10%): 80.9°
Cutoff Angle (3%): 136.1°

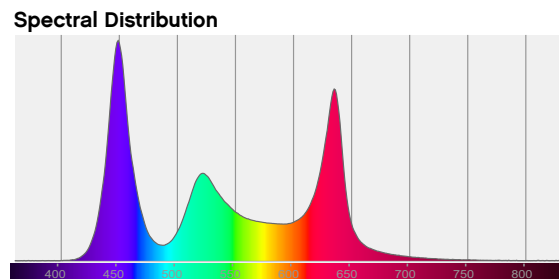
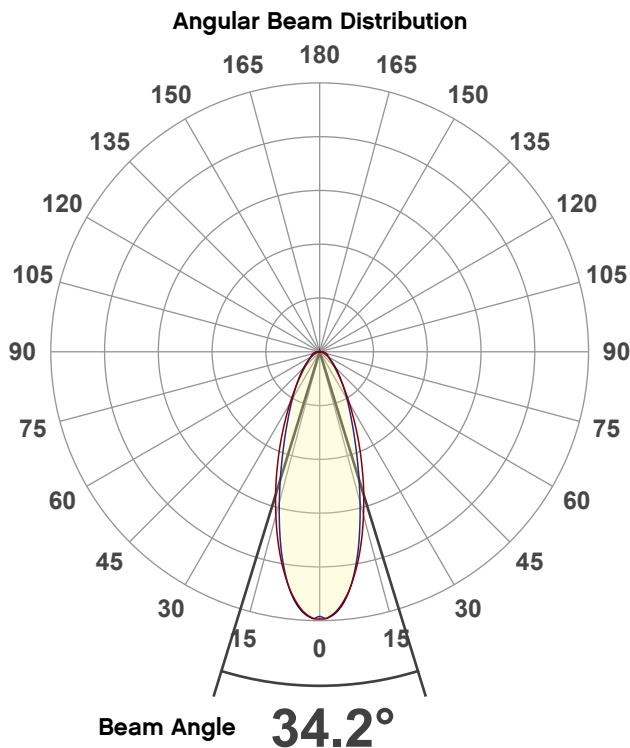


Conditions

AC Supply: 113 V, 60 Hz
Power: 358.19 W
Current: 3.17 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 7/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.306
Y: 0.265



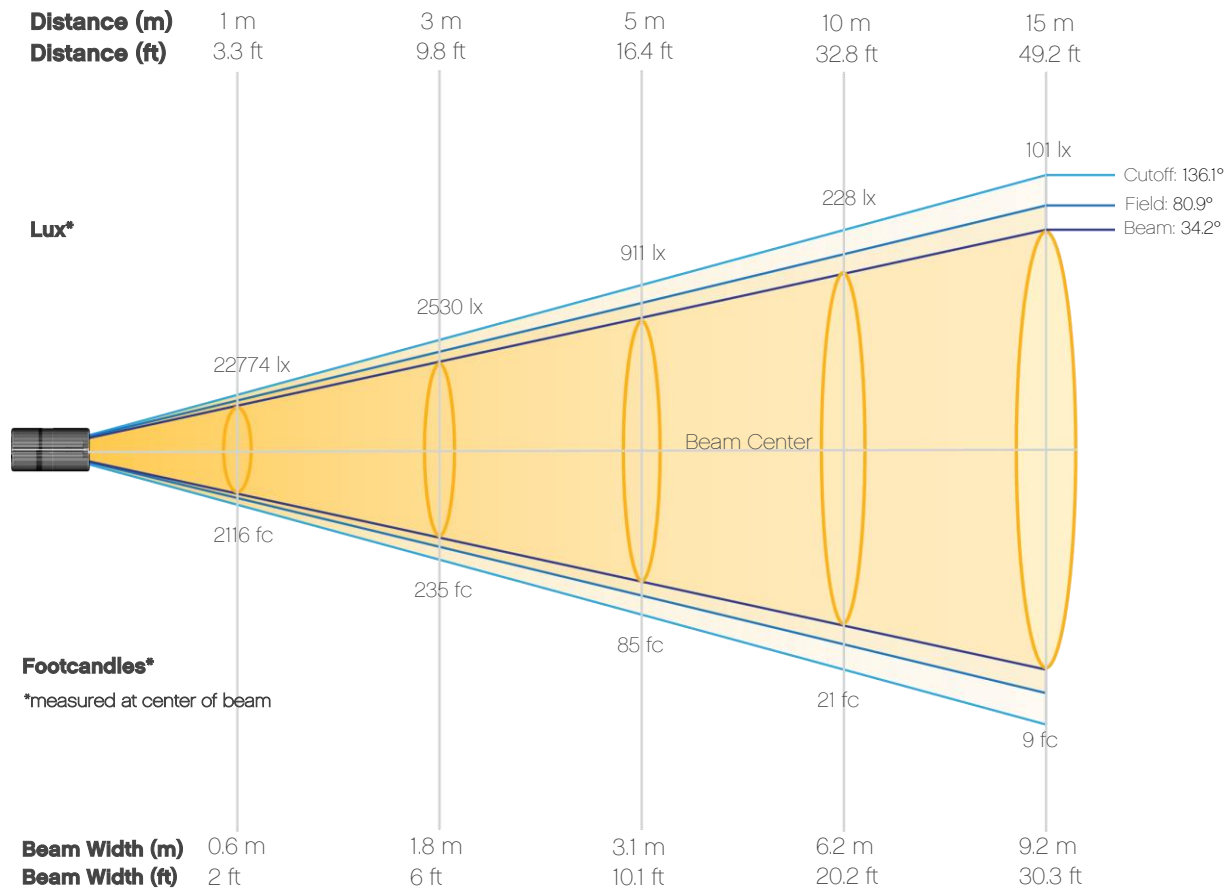
Light Quality
CRI: 55.7

Color Temperature
8274 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/CYC Filter - Full Power

Beam Details

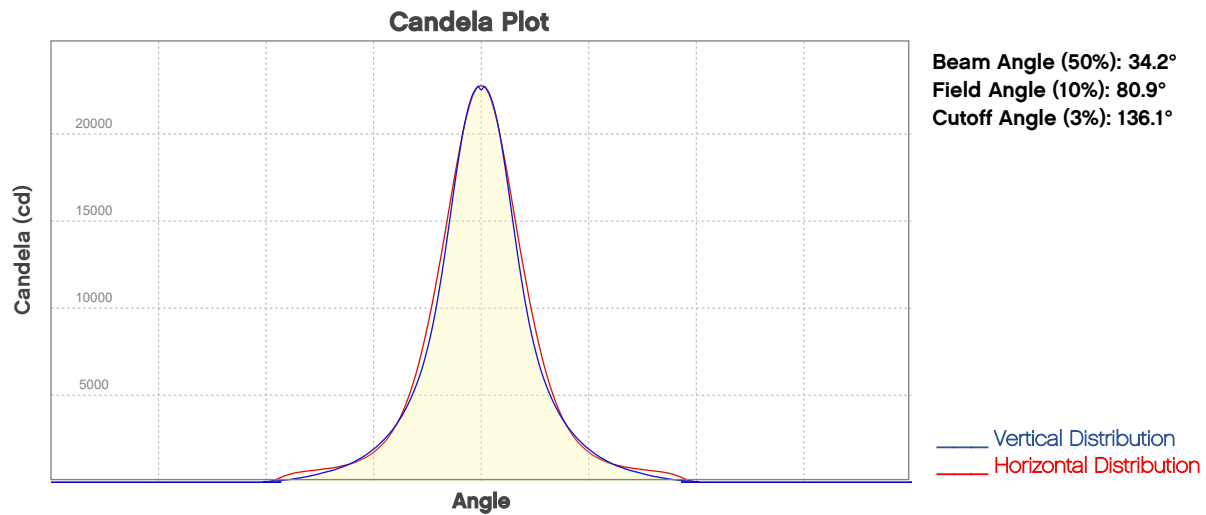


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	22774	5694	2530	1423	911	633	465	356	281	228
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	188	158	135	116	101	89	79	70	63	57
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	2116	529	235	132	85	59	43	33	26	21
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	17	15	13	11	9	8	7	7	6	5

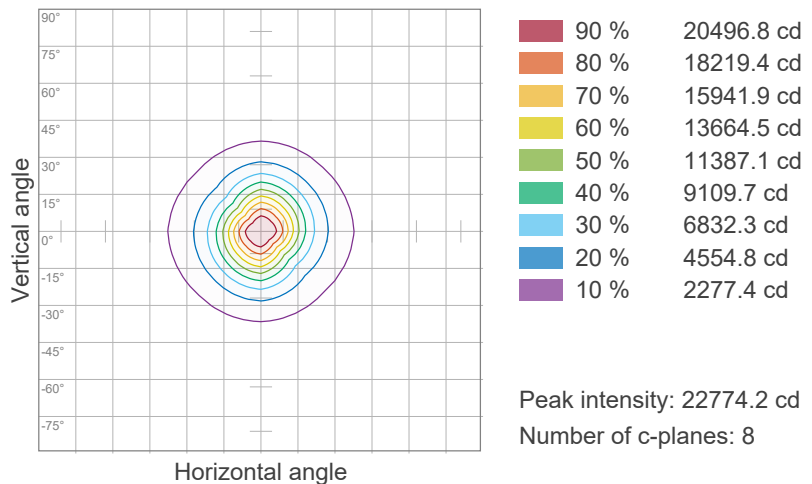
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/CYC Filter - Full Power

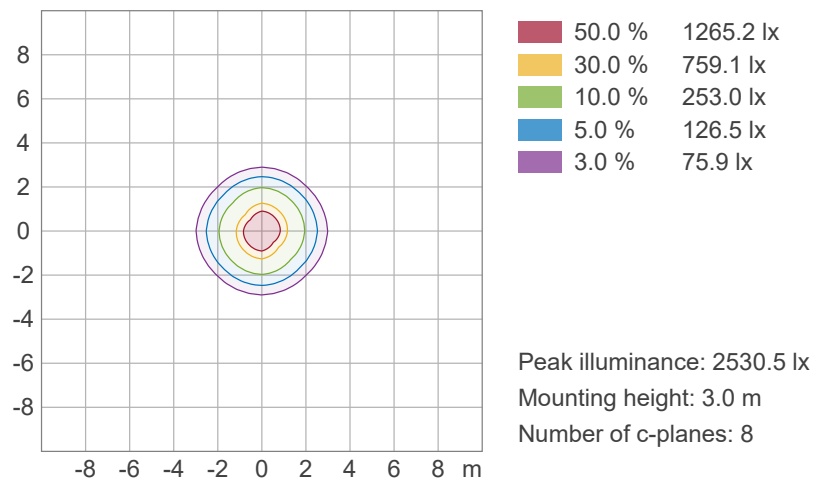


ISO Diagrams

ISO Candela Diagram



ISO Lux Diagram

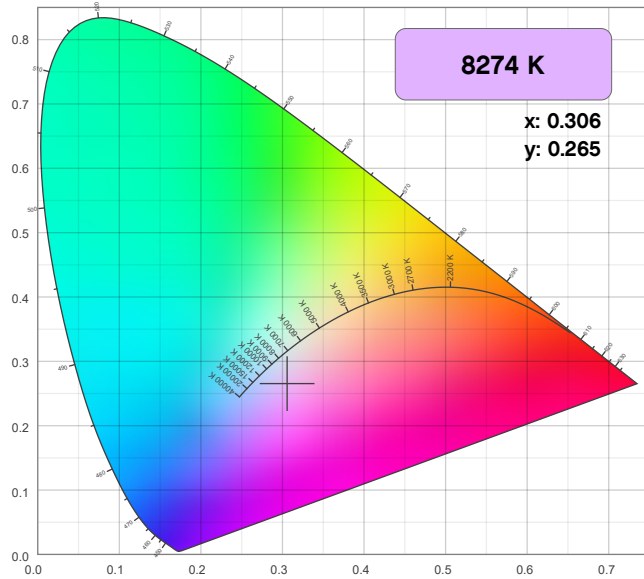


Photometric & Chromaticity Report

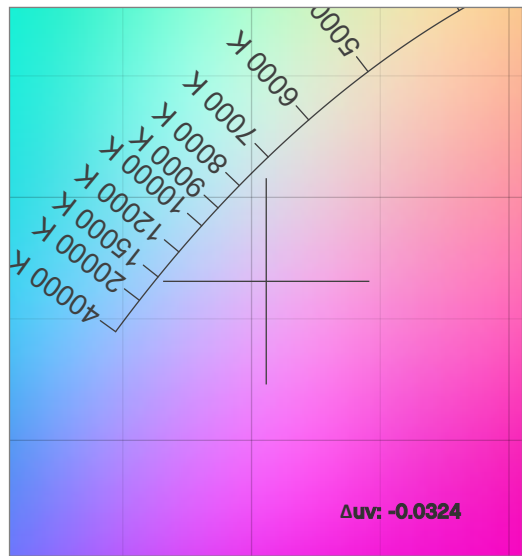
COLORado Solo Bar 4: Standard Optics-w/CYC Filter - Full Power

Chromaticity

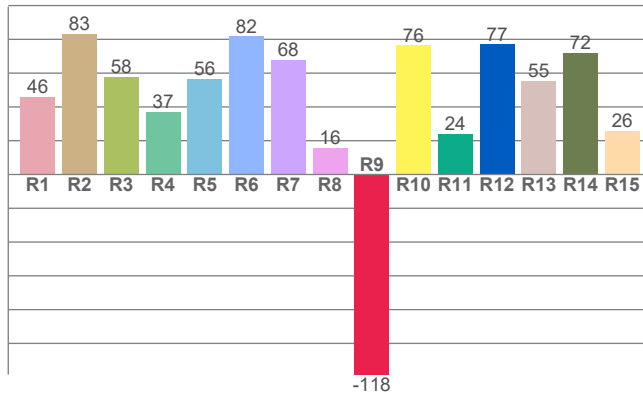
CIE 1931



CIE 1931 - Zoom



CRI: 55.7 (R1-R8)

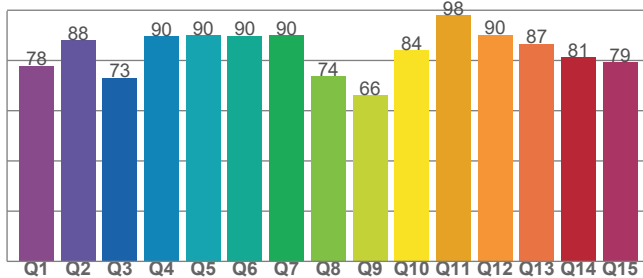


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
8274 K	0.306	0.265

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0324	0.265	0.219

CQS: 81.9



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
55.7	-118.4	81.9

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
61	71.7	124.3

Photometric & Chromaticity Report

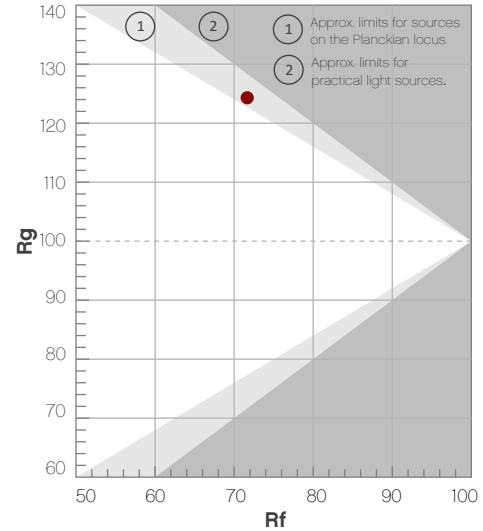
COLORado Solo Bar 4: Standard Optics-w/CYC Filter - Full Power

TM-30 Details

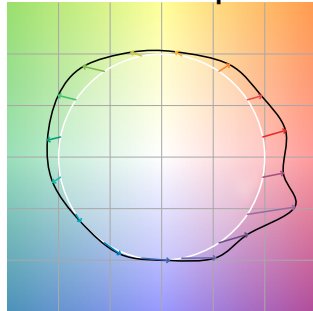
Rf 71.7
Fidelity Index
(Rg)

Rg 124.3
Gammut Index
(Rg)

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	57	23%	2%
2	71	13%	-4%
3	79	11%	-5%
4	87	3%	7%
5	79	5%	9%
6	70	15%	14%
7	75	17%	6%
8	69	12%	6%
9	87	8%	3%
10	86	0%	8%
11	62	1%	19%
12	65	-3%	27%
13	61	6%	32%
14	54	9%	28%
15	51	34%	31%
16	62	19%	8%



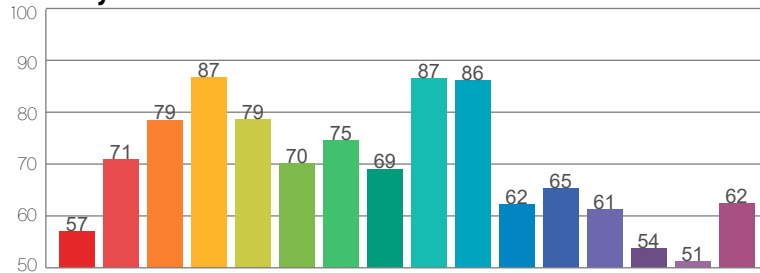
Color Vector Graphic



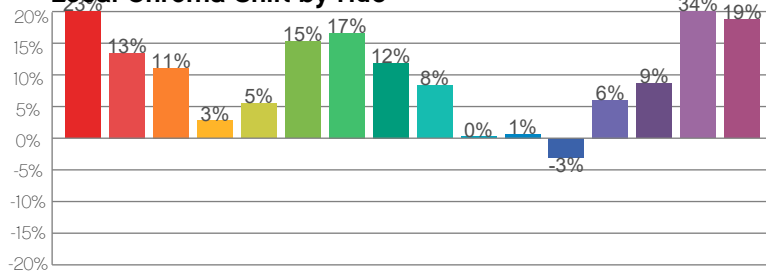
Color Distortion Graphic



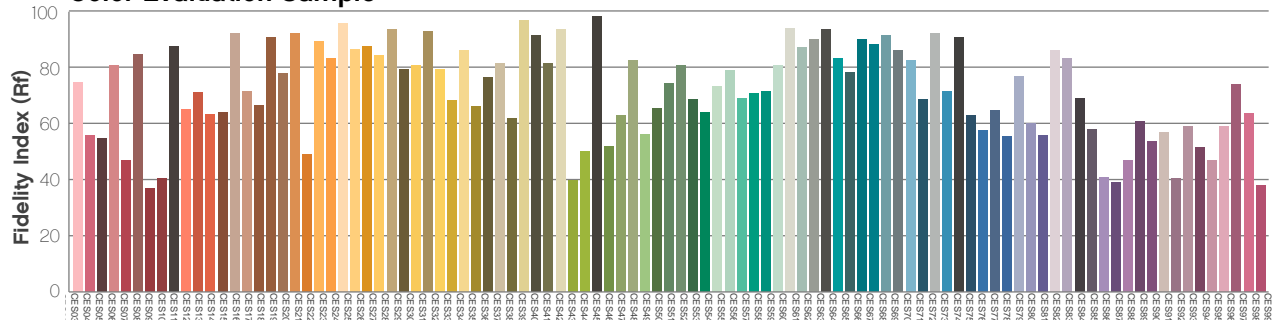
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Stealth Filter - Full Power

Report Summary

Measurements

Fixture Output: 5090 lm
Fixture Peak: 12542 cd
Fixture Efficacy: 14 lm/W
Intensity @ 5m: 501 lux
Color Temperature: 7575 K
CRI: 57.8 CRI R9 Value: -103.5
CQS: 82.6
TLCI: 60
TM-30 Rf: 73.5
TM-30 Rg: 124.1
Beam Angle (50%): 26.4°
Field Angle (10%): 65.7°
Cutoff Angle (3%): 105°

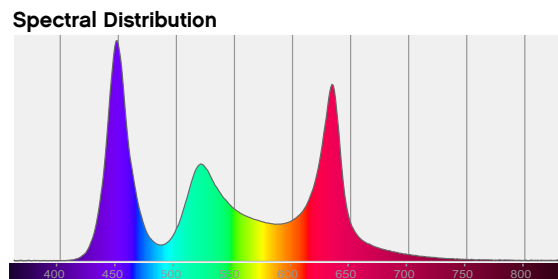
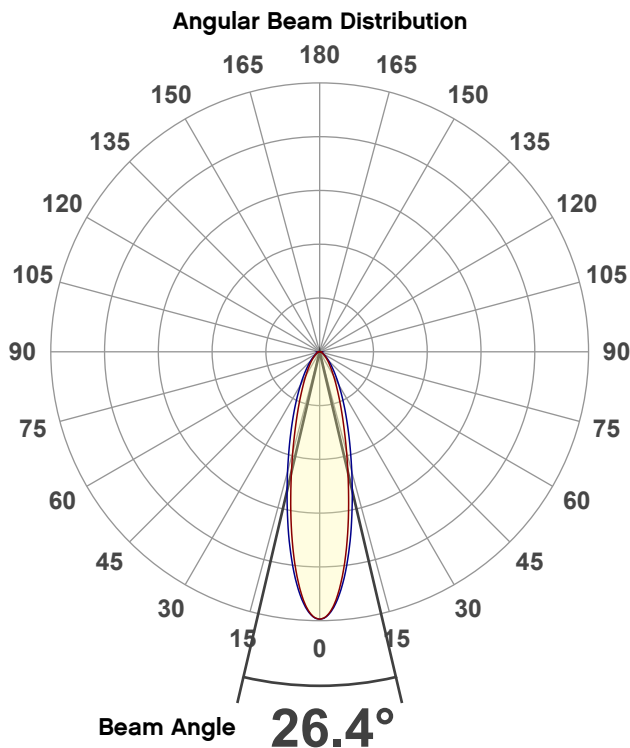


Conditions

AC Supply: 114 V, 60 Hz
Power: 362.18 W
Current: 3.18 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 7/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.309
Y: 0.275



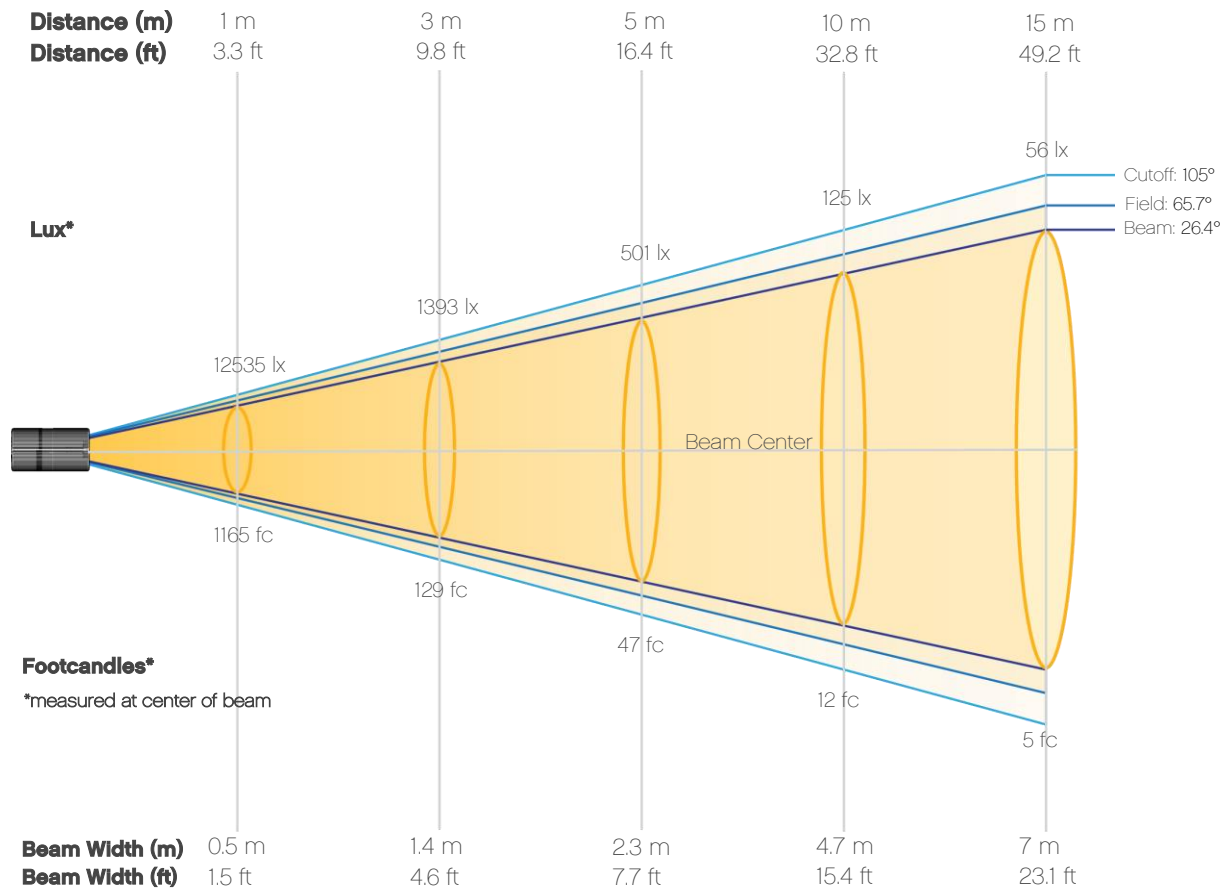
Light Quality
CRI: 57.8

Color Temperature
7575 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Stealth Filter - Full Power

Beam Details

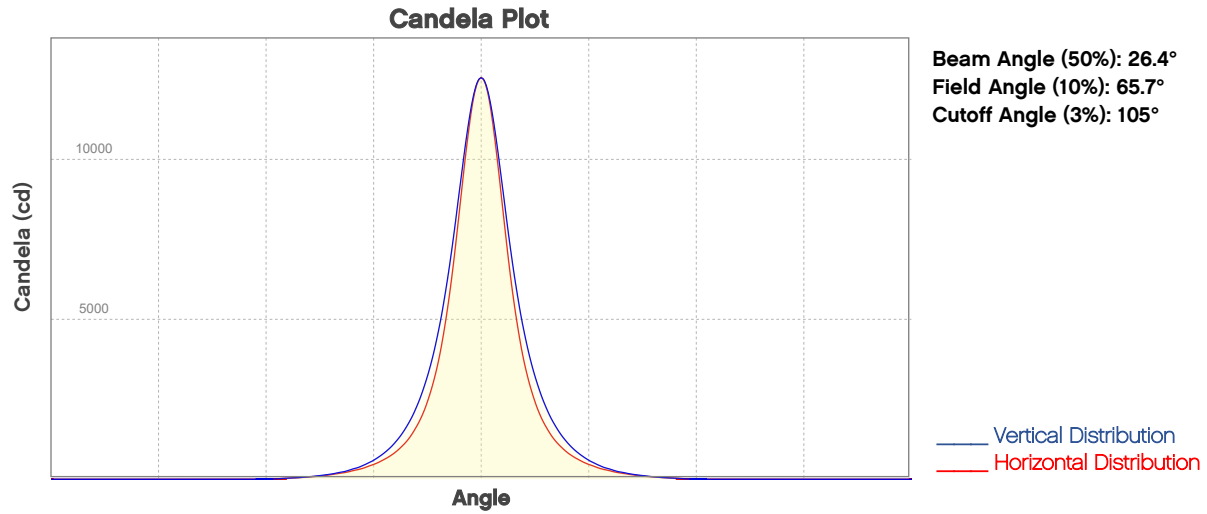


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	12535	3134	1393	783	501	348	256	196	155	125
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	104	87	74	64	56	49	43	39	35	31
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1165	291	129	73	47	32	24	18	14	12
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	10	8	7	6	5	5	4	4	3	3

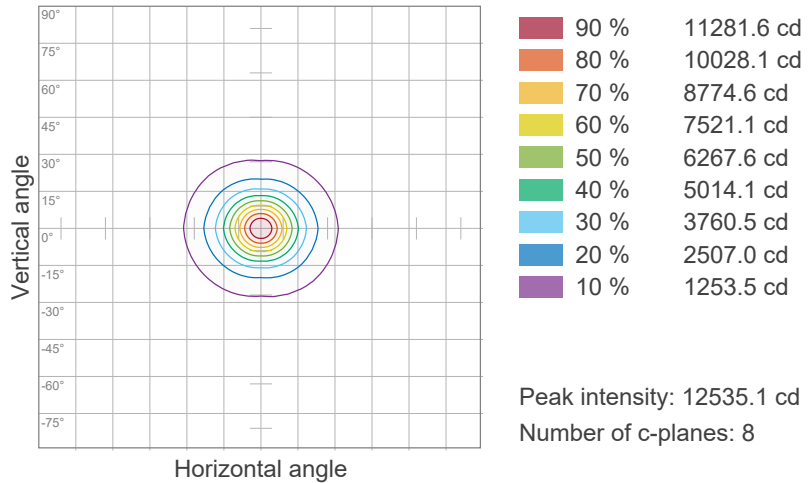
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Stealth Filter - Full Power

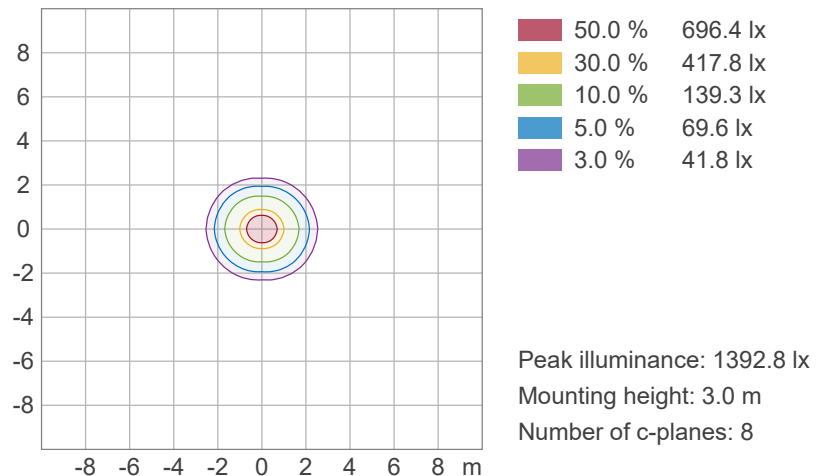


ISO Diagrams

ISO Candela Diagram



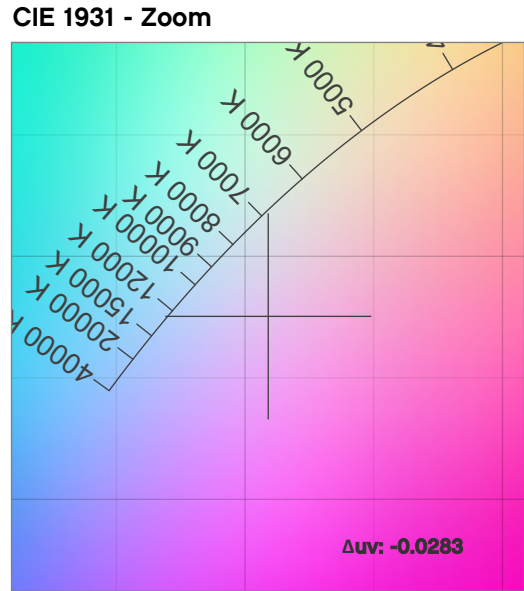
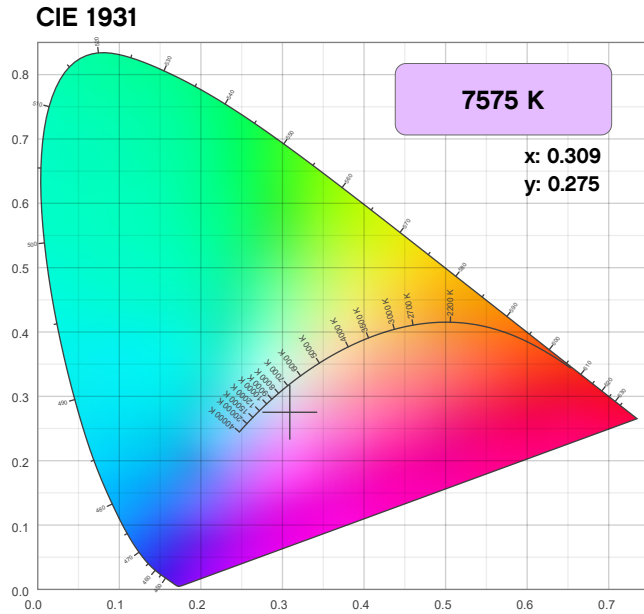
ISO Lux Diagram



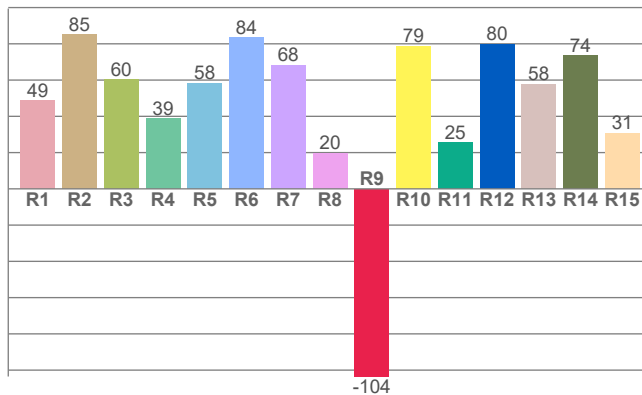
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Stealth Filter - Full Power

Chromaticity



CRI: 57.8 (R1-R8)

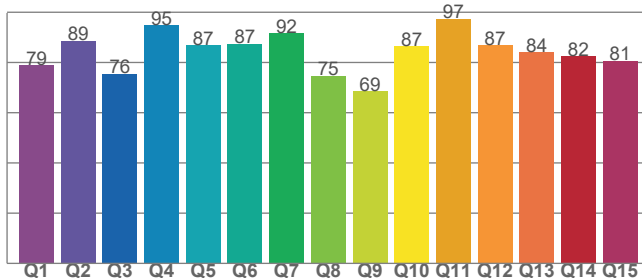


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7575 K	0.309	0.275

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0283	0.275	0.217

CQS: 82.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
57.8	-103.5	82.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
60	73.5	124.1

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics-w/Stealth Filter - Full Power

TM-30 Details

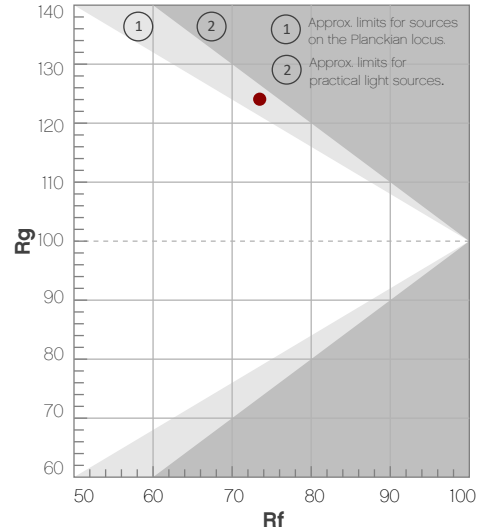
Rf 73.5

Fidelity Index
(R_f)

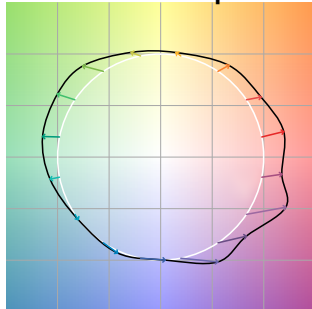
Rg 124.1

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	59	22%	1%
2	71	13%	-6%
3	79	11%	-6%
4	89	2%	5%
5	80	5%	8%
6	71	15%	14%
7	74	17%	5%
8	72	16%	3%
9	86	9%	0%
10	89	0%	6%
11	66	1%	17%
12	69	-3%	24%
13	64	11%	34%
14	56	10%	26%
15	55	28%	27%
16	64	18%	7%



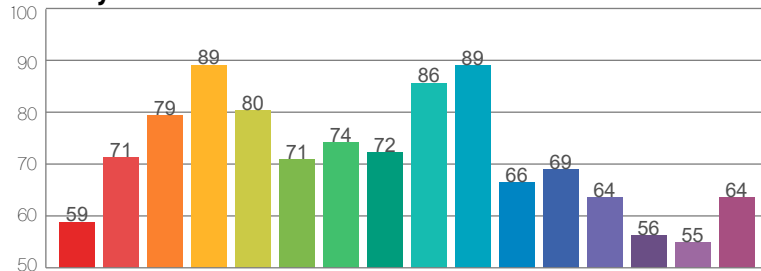
Color Vector Graphic



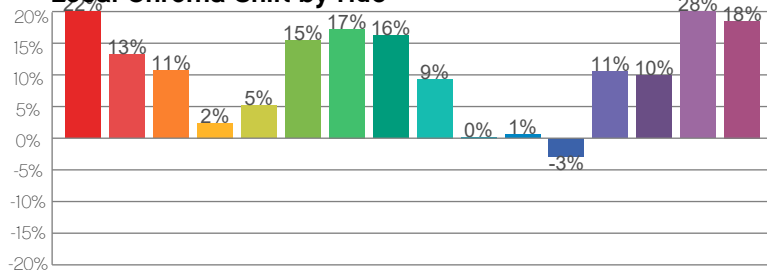
Color Distortion Graphic



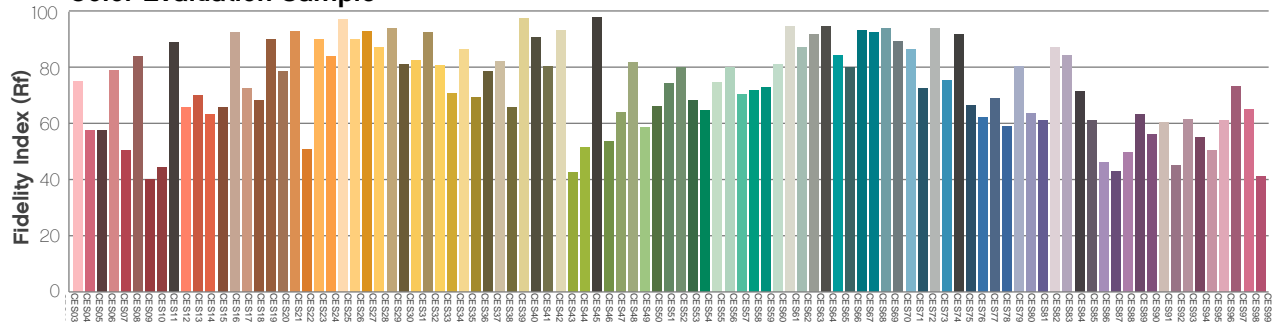
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Red Only

Report Summary

Measurements

Fixture Output: 8644 lm
Fixture Peak: 42485 cd
Fixture Efficacy: 30 lm/W
Intensity @ 5m: 1699 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%): 17.6°
Field Angle (10%): 41.8°
Cutoff Angle (3%): 76.8°

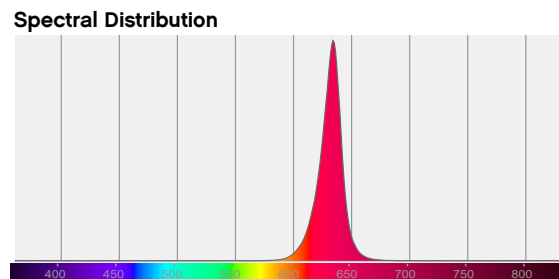
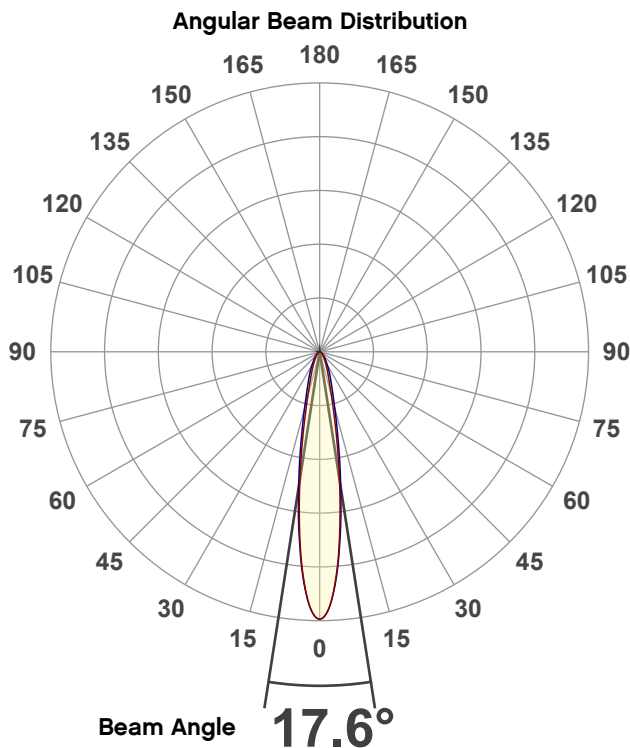


Conditions

AC Supply: 114 V, 60 Hz
Power: 285.04 W
Current: 2.50 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.699

Y: 0.300



Light Quality

CRI: 0.0

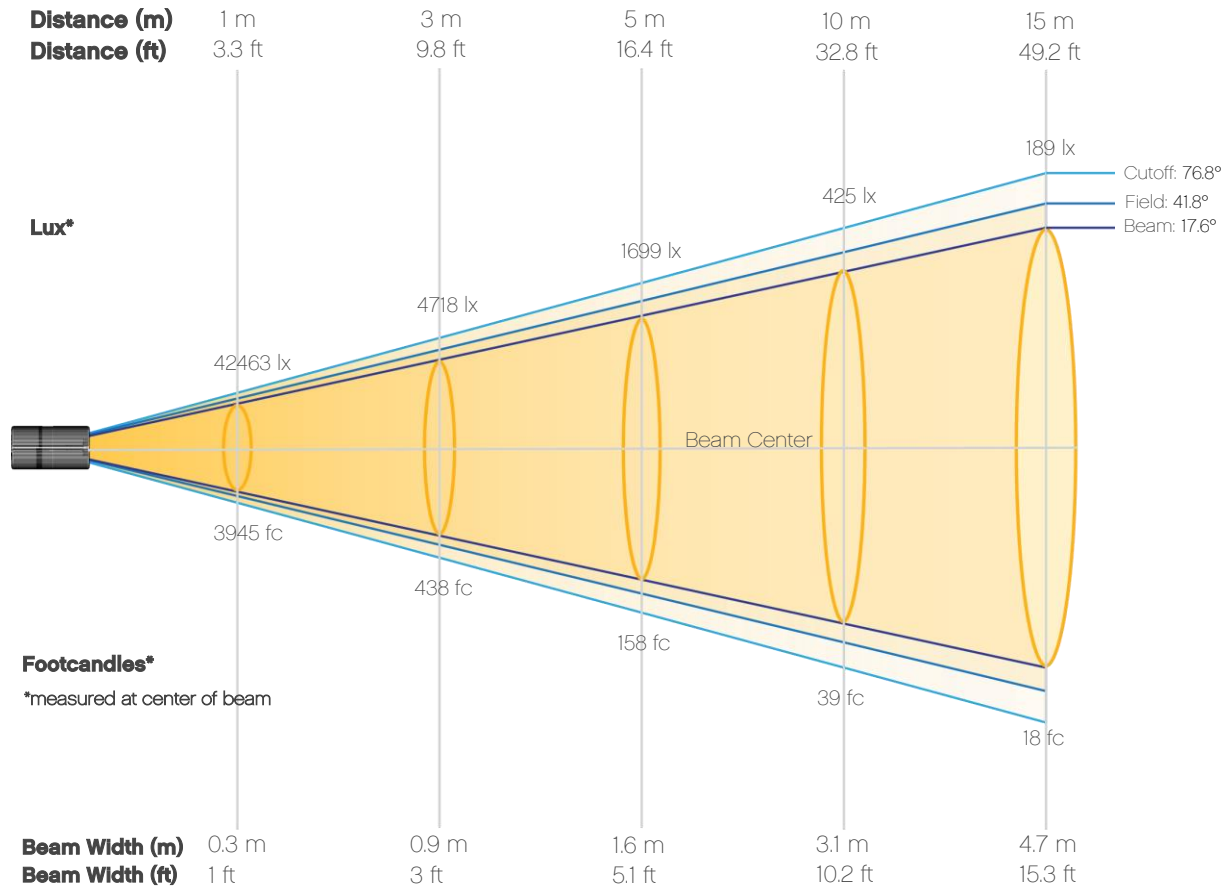
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Red Only

Beam Details

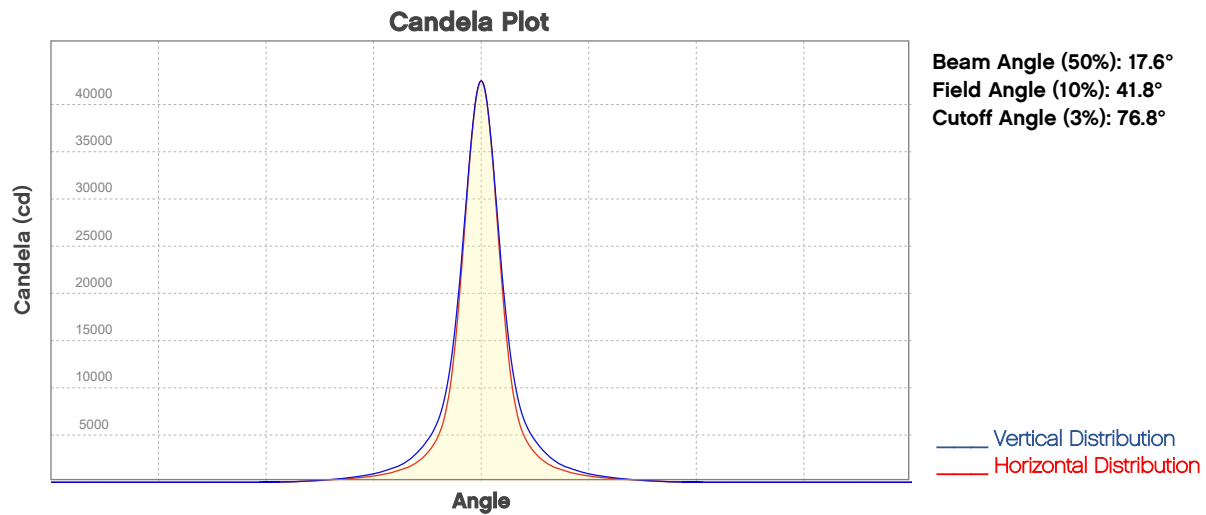


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	42463	10616	4718	2654	1699	1180	867	663	524	425
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	351	295	251	217	189	166	147	131	118	106
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	3945	986	438	247	158	110	81	62	49	39
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	33	27	23	20	18	15	14	12	11	10

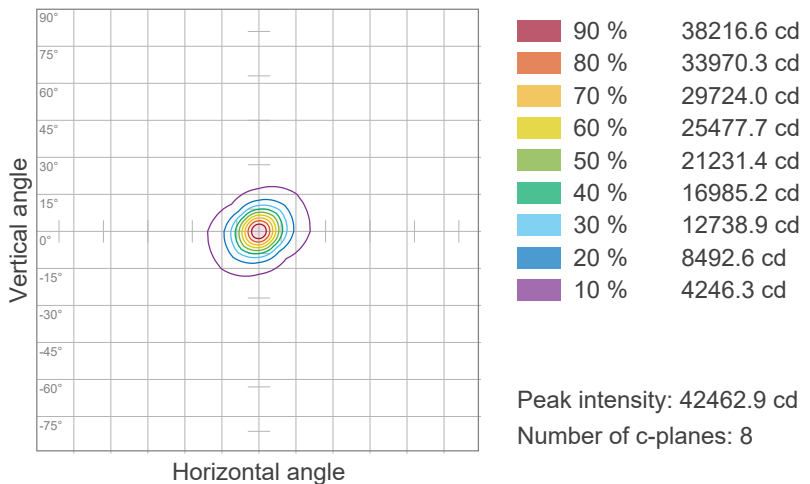
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Red Only

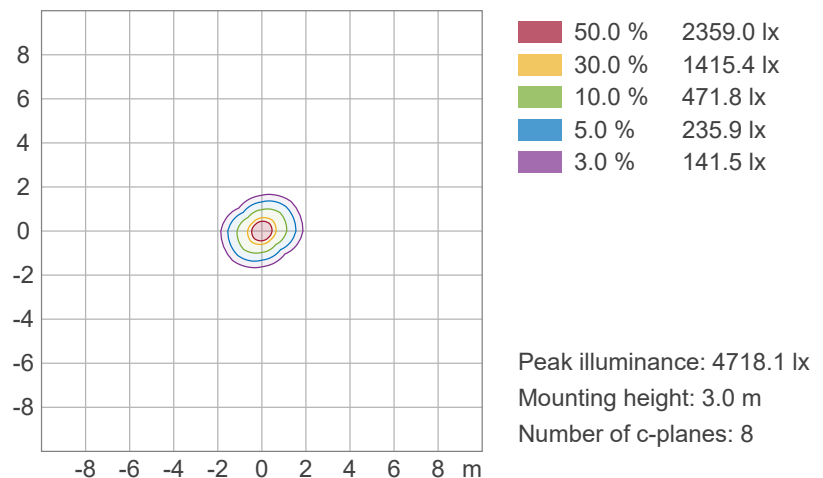


ISO Diagrams

ISO Candela Diagram



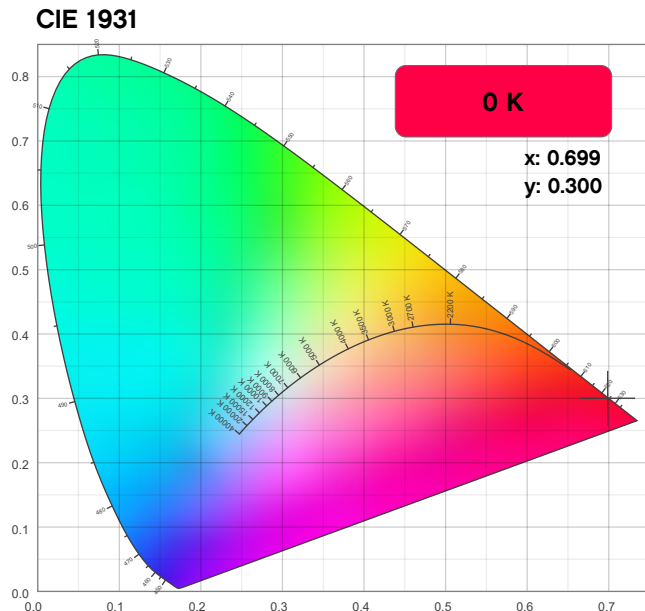
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado Solo Bar 4: 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

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	0.699	0.300

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.300	0.537

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 4: Standard Optics - Red Only

TM-30 Details

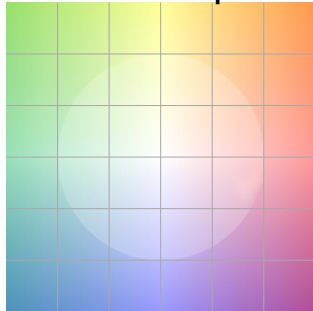
Rf 0.0

Fidelity Index
(Rg)

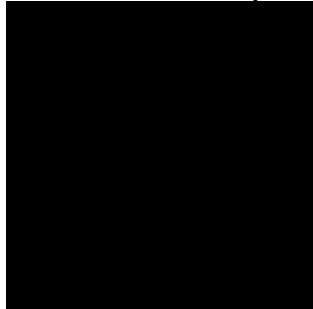
Rg 0.0

Gammut Index
(Rg)

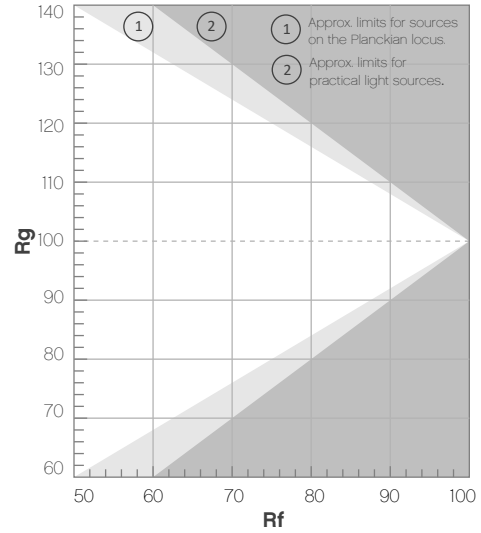
Color Vector Graphic



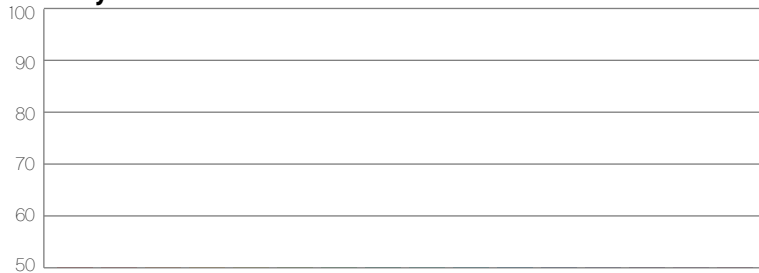
Color Distortion Graphic



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%



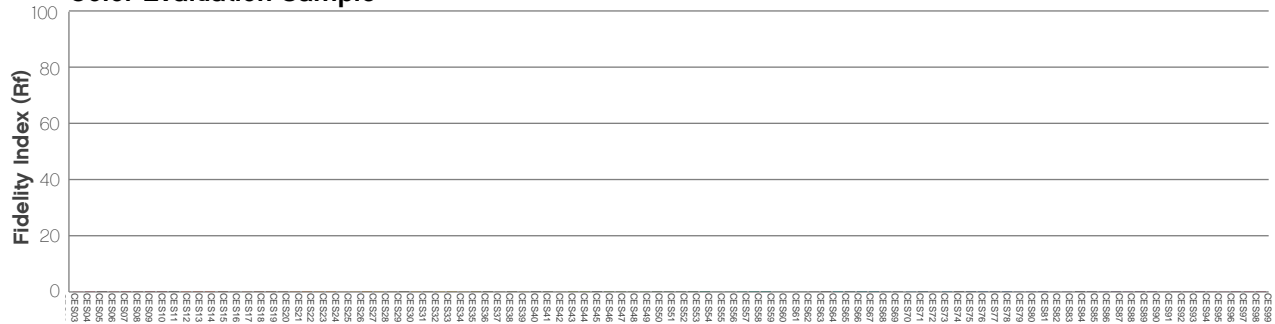
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Green Only

Report Summary

Measurements

Fixture Output: 16760 lm
Fixture Peak: 81496 cd
Fixture Efficacy: 61 lm/W
Intensity @ 5m: 3259 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%): 17.7°
Field Angle (10%): 42°
Cutoff Angle (3%): 77.7°

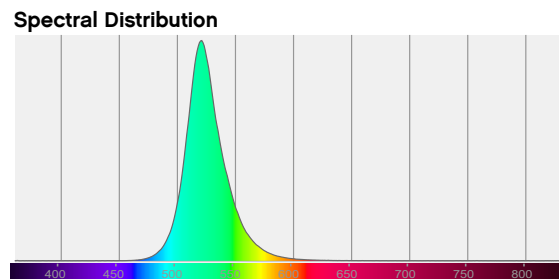
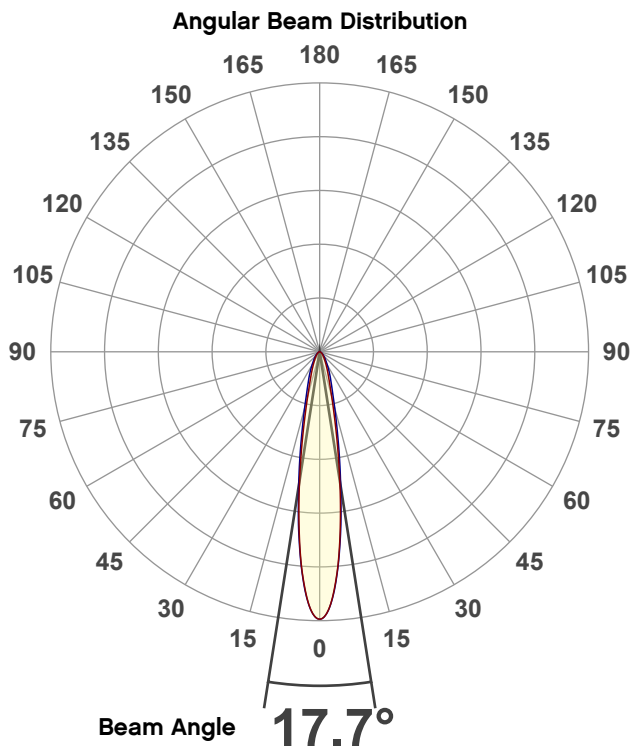


Conditions

AC Supply: 114 V, 60.1 Hz
Power: 277.65 W
Current: 2.43 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.170
Y: 0.730



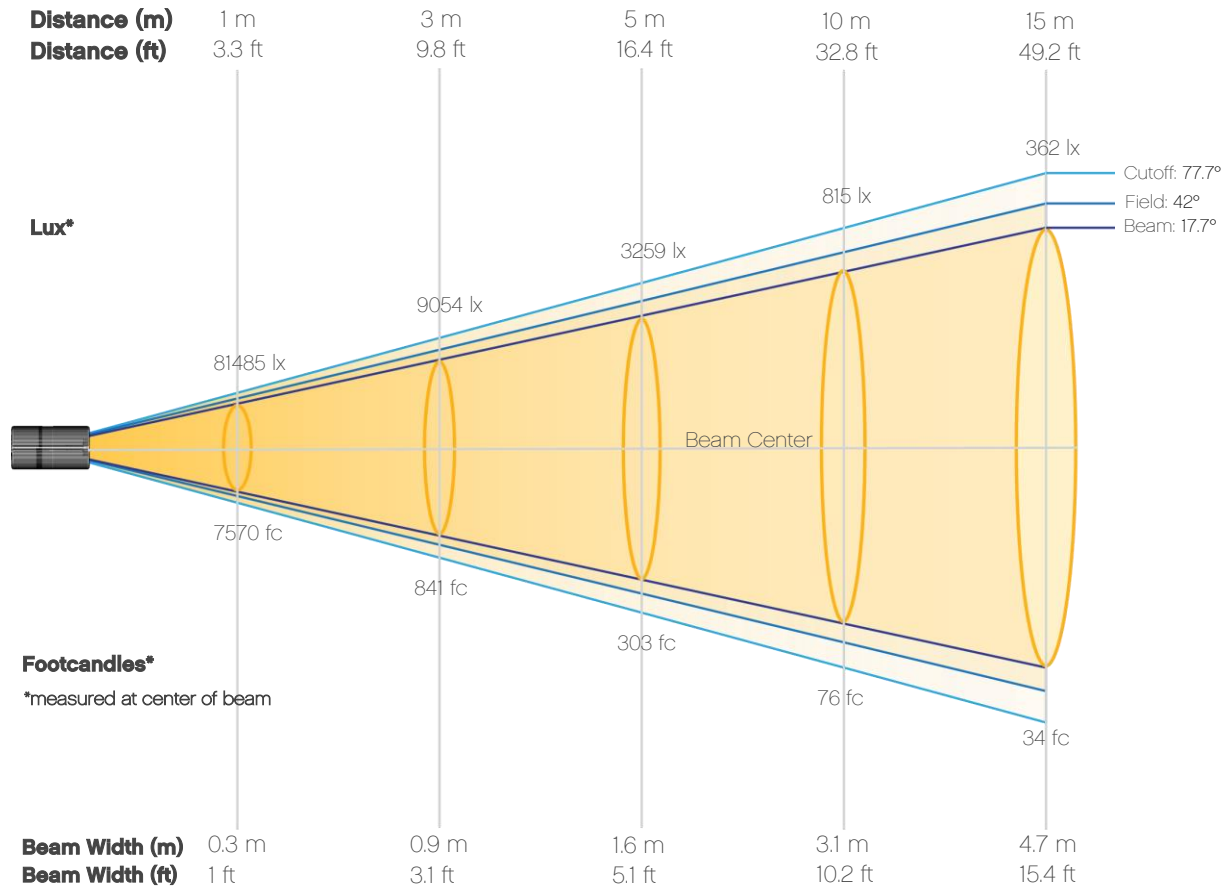
Light Quality
CRI: 0.0

Color Temperature
0 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Green Only

Beam Details

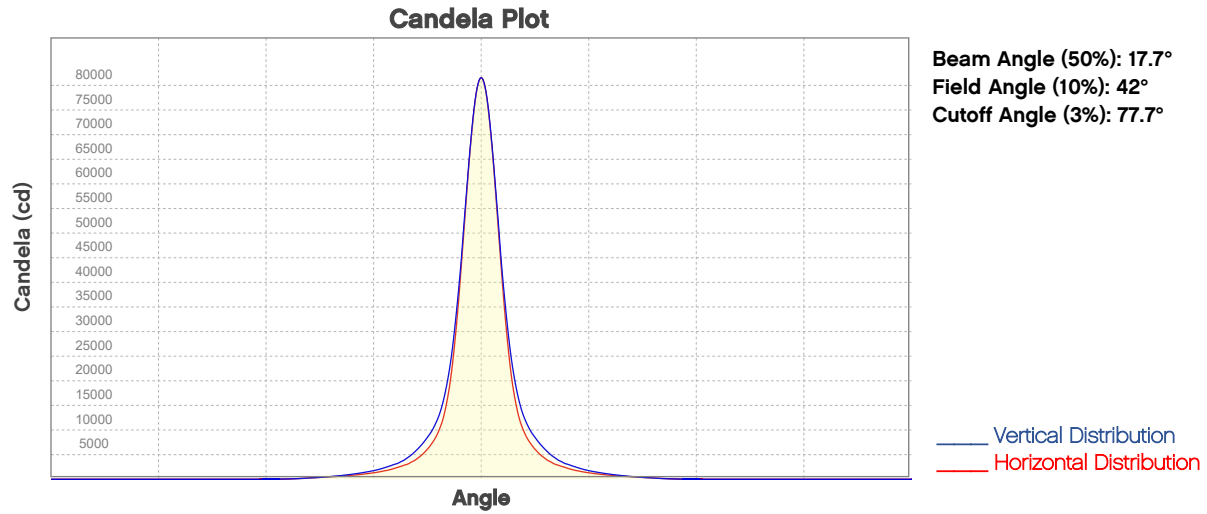


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	81485	20371	9054	5093	3259	2263	1663	1273	1006	815
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	673	566	482	416	362	318	282	251	226	204
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	7570	1893	841	473	303	210	154	118	93	76
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	63	53	45	39	34	30	26	23	21	19

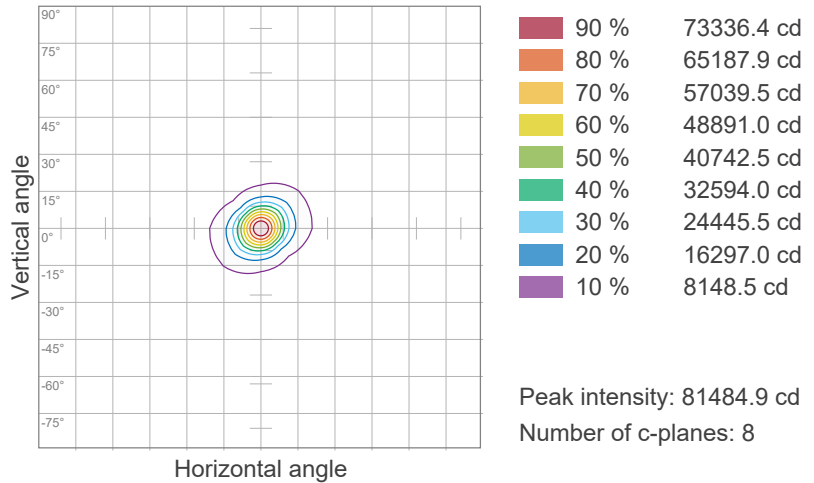
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Green Only

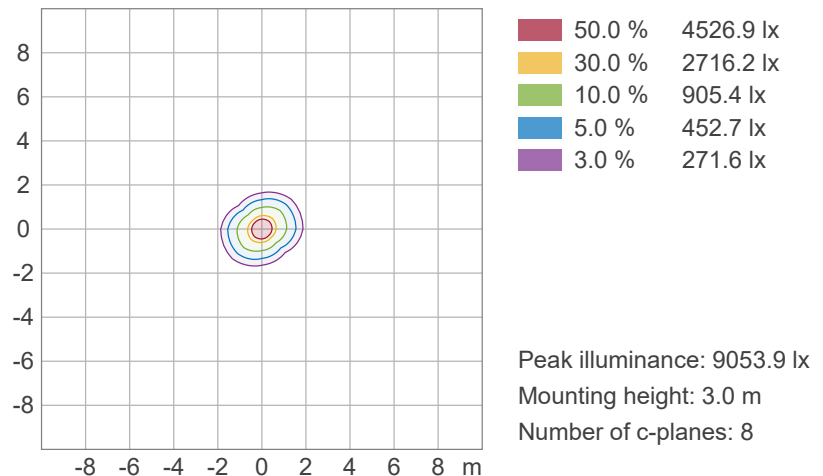


ISO Diagrams

ISO Candela Diagram



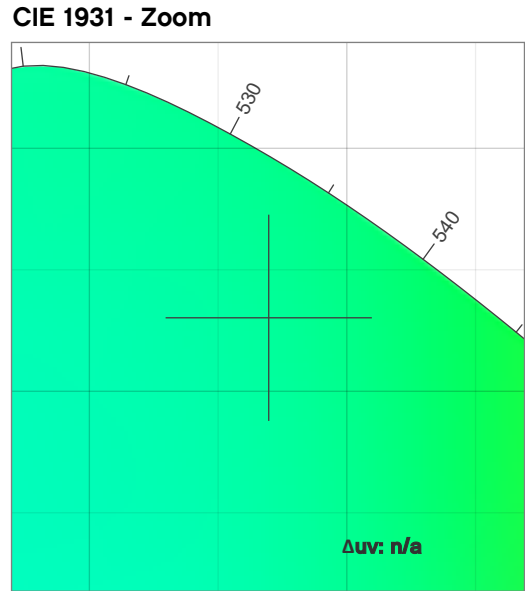
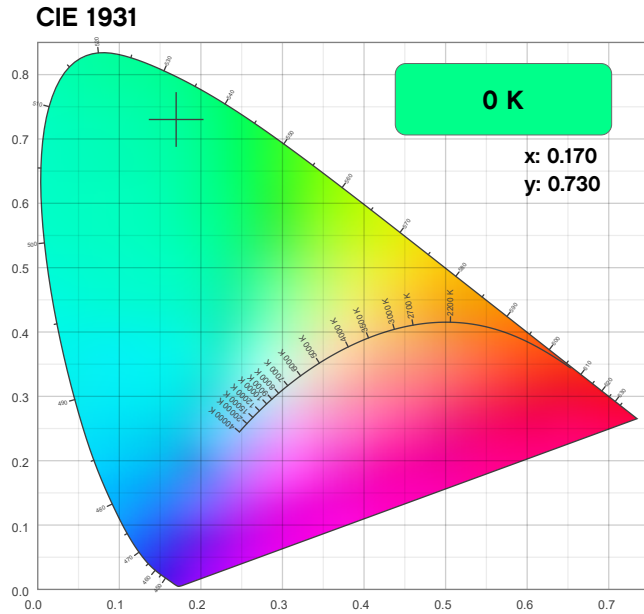
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado Solo Bar 4: 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	0.170	0.730

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.730	0.059

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 4: Standard Optics - Green Only

TM-30 Details

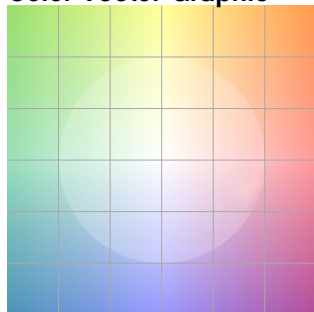
Rf 0.0

Fidelity Index
(Rg)

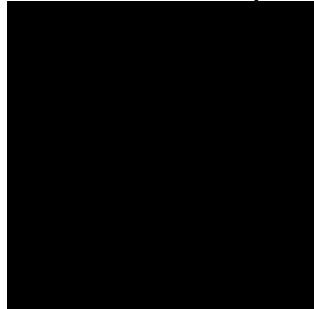
Rg 0.0

Gammut Index
(Rg)

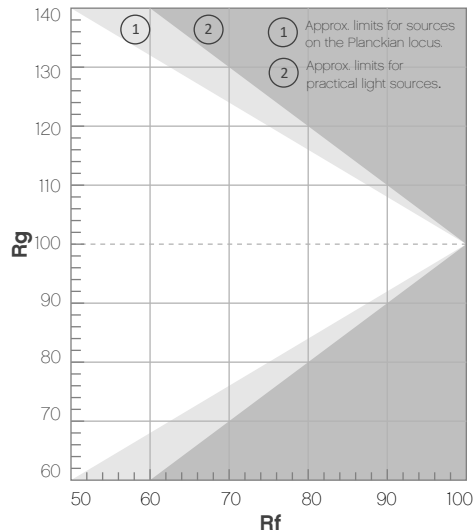
Color Vector Graphic



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%



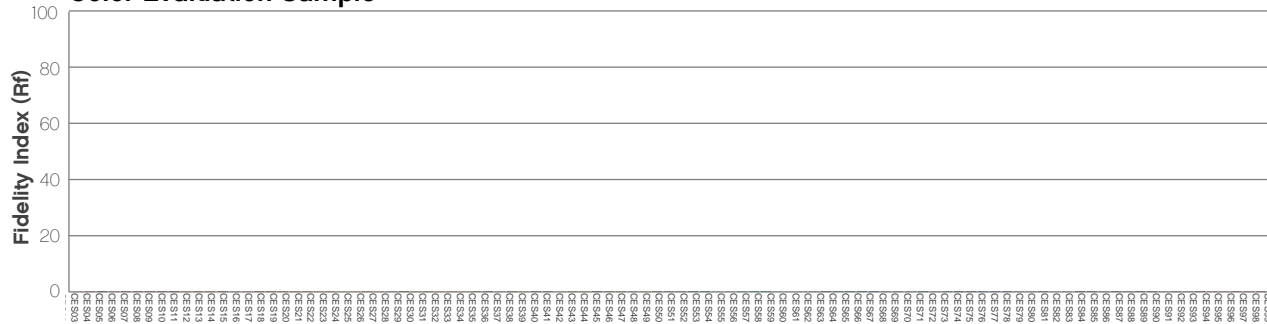
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Blue Only

Report Summary

Measurements

Fixture Output: 3320 lm
Fixture Peak: 16597 cd
Fixture Efficacy: 11 lm/W
Intensity @ 5m: 664 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%): 17.1°
Field Angle (10%): 41°
Cutoff Angle (3%): 76.9°

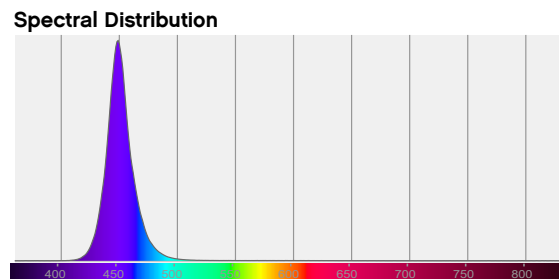
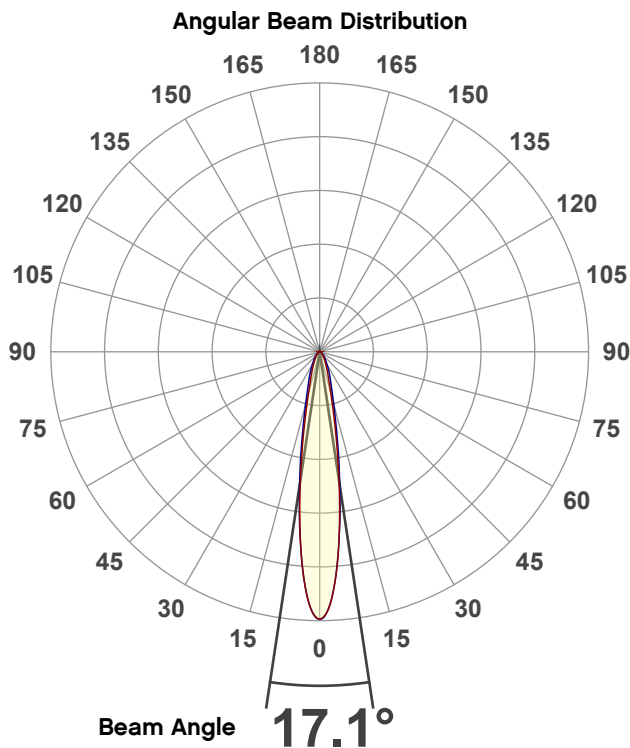


Conditions

AC Supply: 113 V, 60 Hz
Power: 304.13 W
Current: 2.68 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.155

Y: 0.026



Light Quality

CRI: 0.0

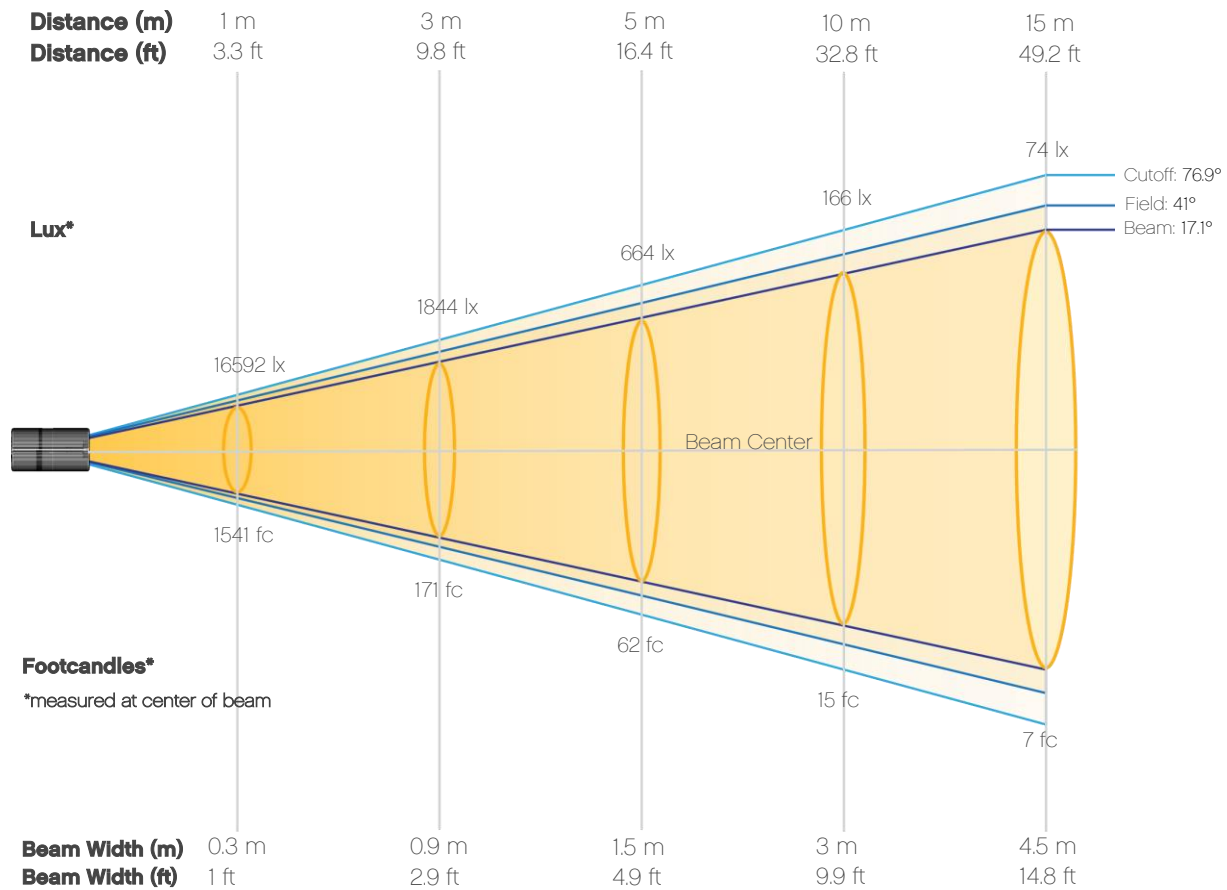
Color Temperature

0 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Blue Only

Beam Details

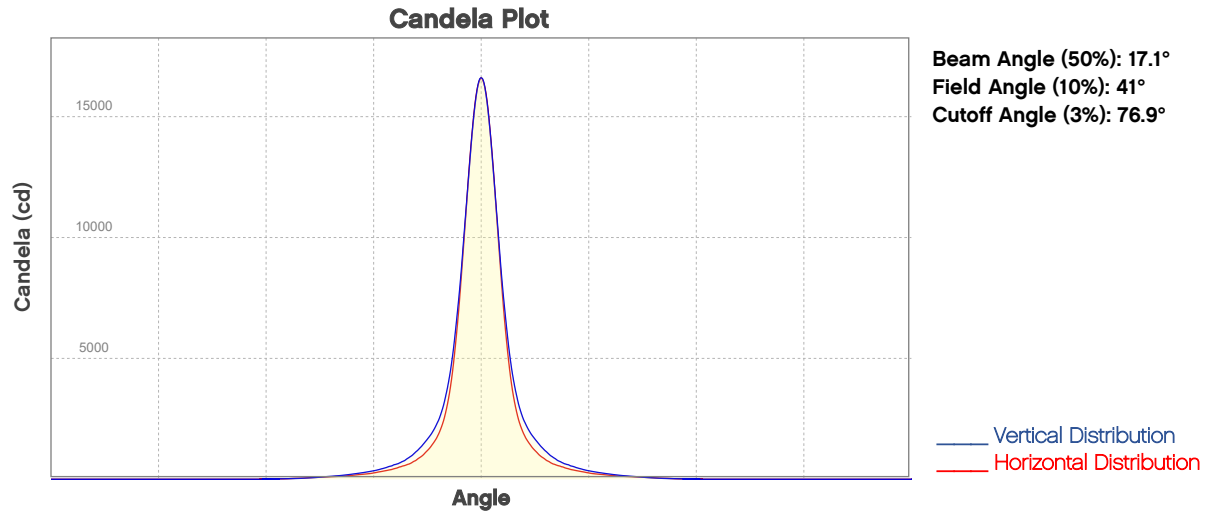


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	16592	4148	1844	1037	664	461	339	259	205	166
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	137	115	98	85	74	65	57	51	46	41
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	1541	385	171	96	62	43	31	24	19	15
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	13	11	9	8	7	6	5	5	4	4

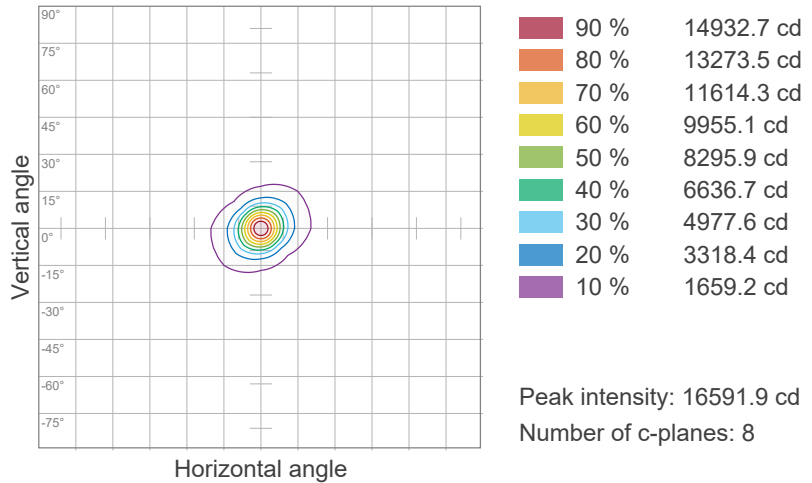
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Blue Only

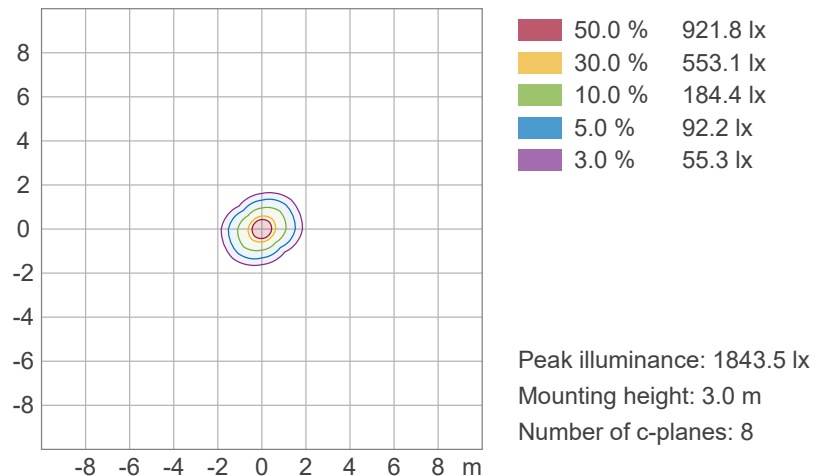


ISO Diagrams

ISO Candela Diagram



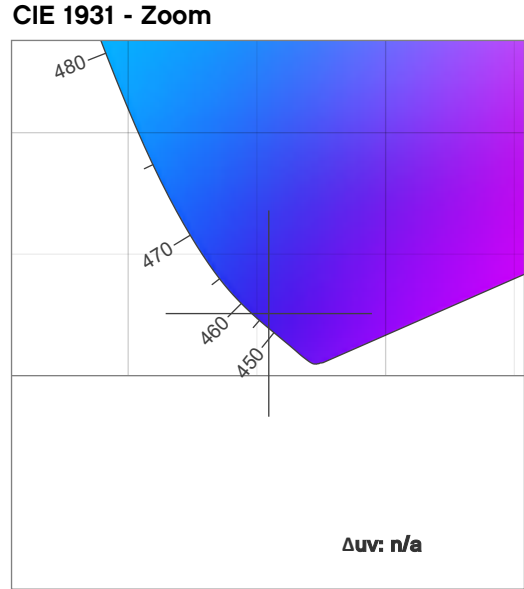
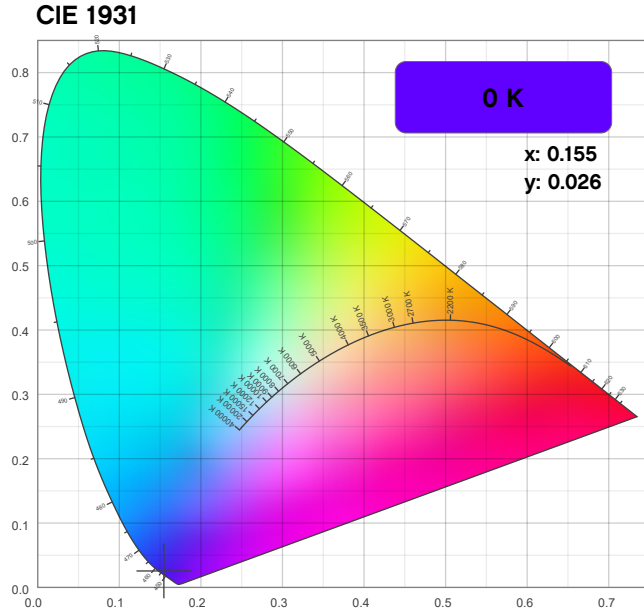
ISO Lux Diagram



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Blue Only

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

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	0.026

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.026	0.206

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 4: Standard Optics - Blue Only

TM-30 Details

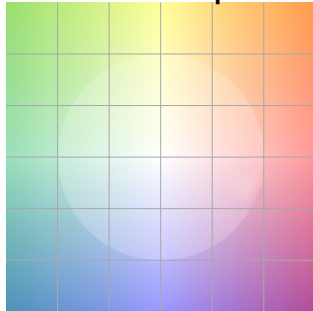
Rf 0.0

Fidelity Index
(Rg)

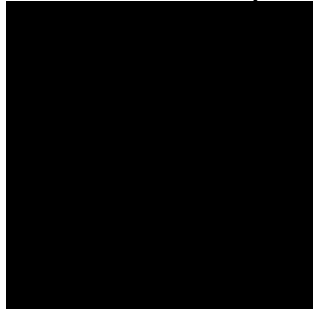
Rg 0.0

Gammut Index
(Rg)

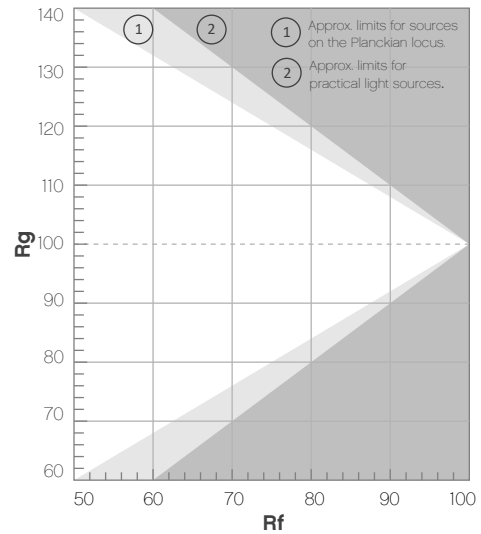
Color Vector Graphic



Color Distortion Graphic



Hue Bin	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%



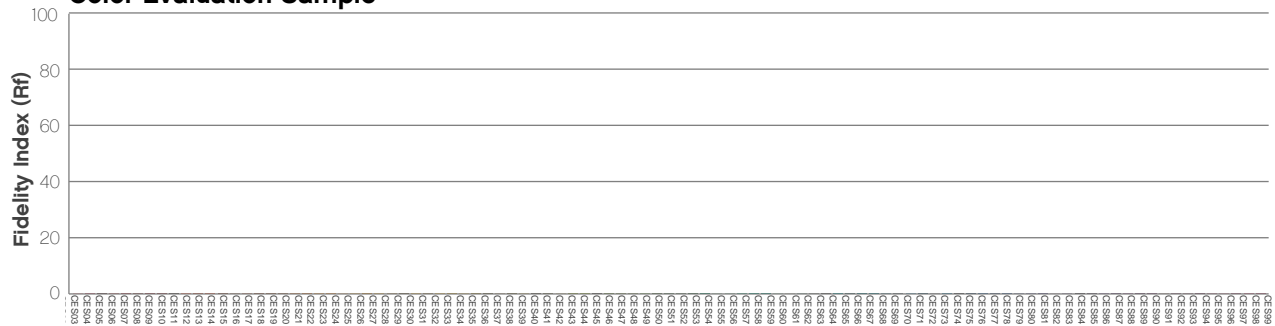
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Warm White Only

Report Summary

Measurements

Fixture Output: 12850 lm
Fixture Peak: 63087 cd
Fixture Efficacy: 59 lm/W
Intensity @ 5m: 2519 lux
Color Temperature: 3055 K
CRI: 82.6 CRI R9 Value: 7.7
CQS: 80.7
TLCI: 64
TM-30 Rf: 83.2
TM-30 Rg: 98.8
Beam Angle (50%): 17.6°
Field Angle (10%): 42°
Cutoff Angle (3%): 77.6°

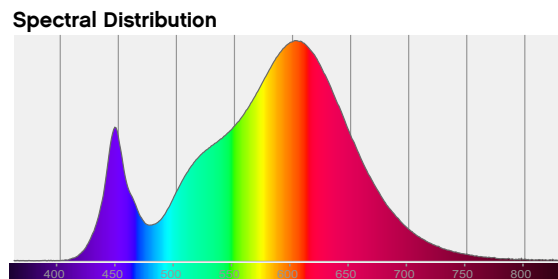
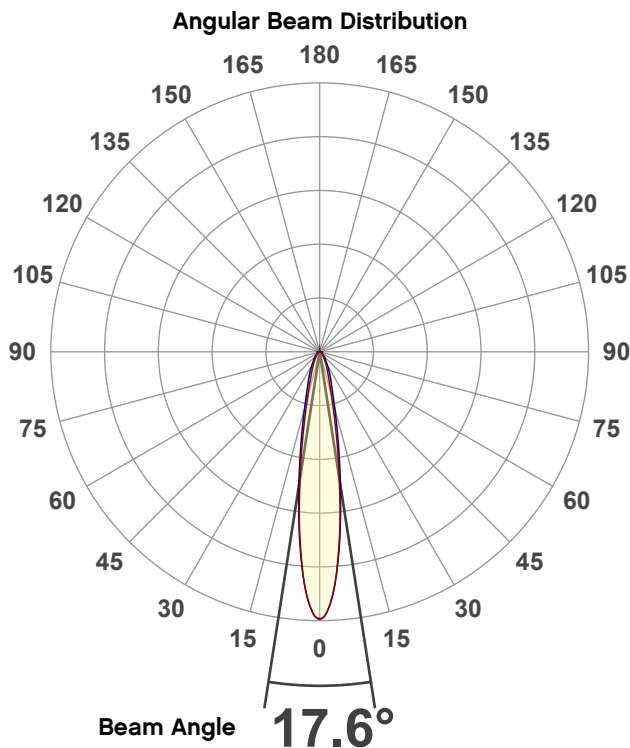


Conditions

AC Supply: 115 V, 60 Hz
Power: 221.88 W
Current: 1.93 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.430
Y: 0.395



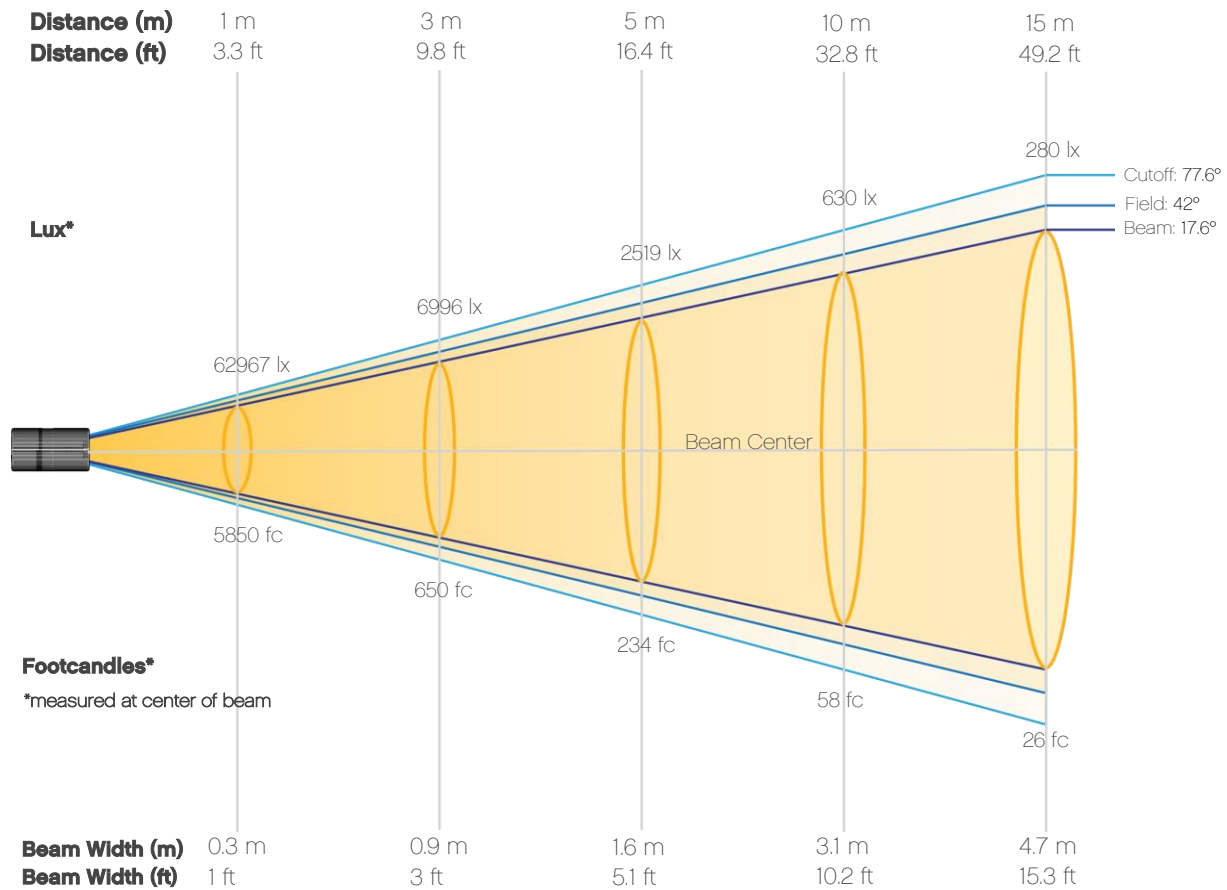
Light Quality
CRI: 82.6

Color Temperature
3055 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Warm White Only

Beam Details

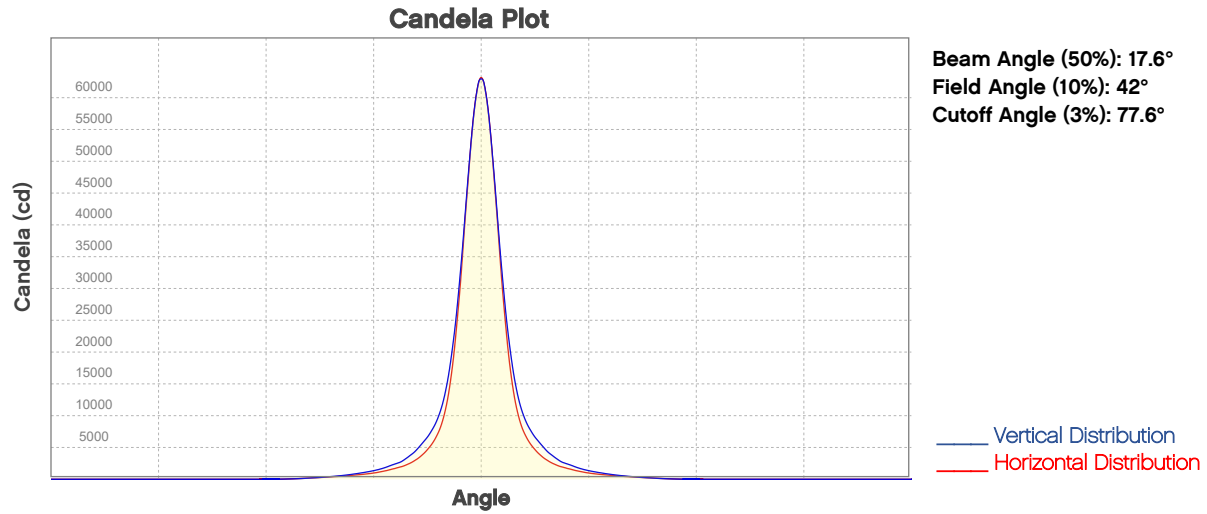


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	62967	15742	6996	3935	2519	1749	1285	984	777	630
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	520	437	373	321	280	246	218	194	174	157
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5850	1462	650	366	234	162	119	91	72	58
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	48	41	35	30	26	23	20	18	16	15

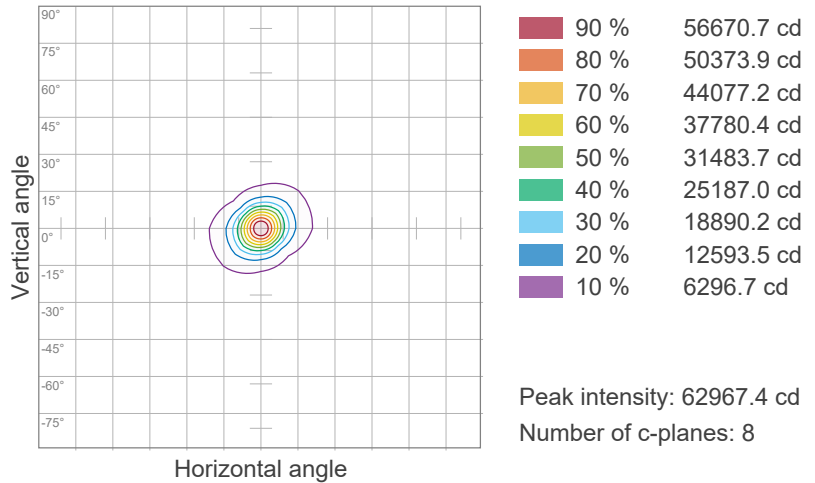
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Warm White Only

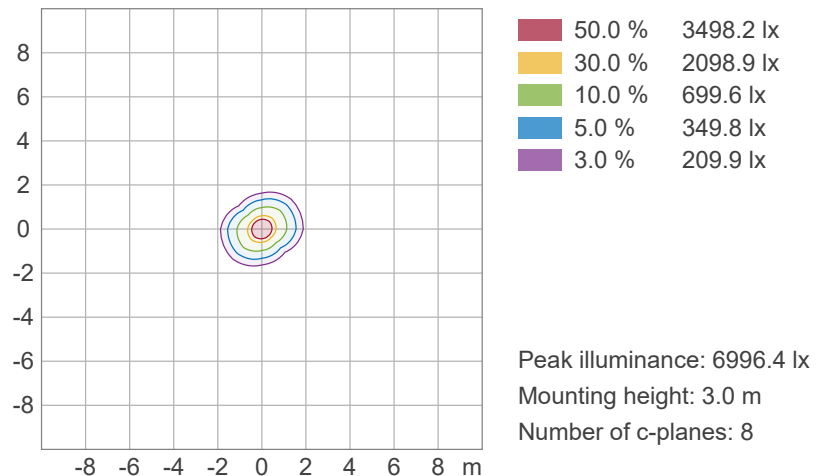


ISO Diagrams

ISO Candela Diagram



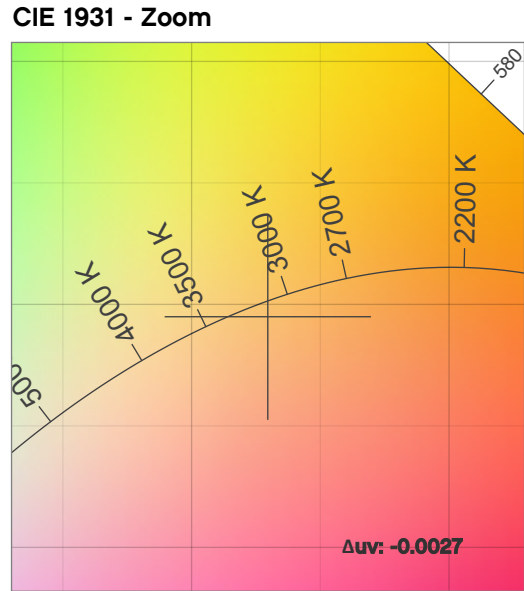
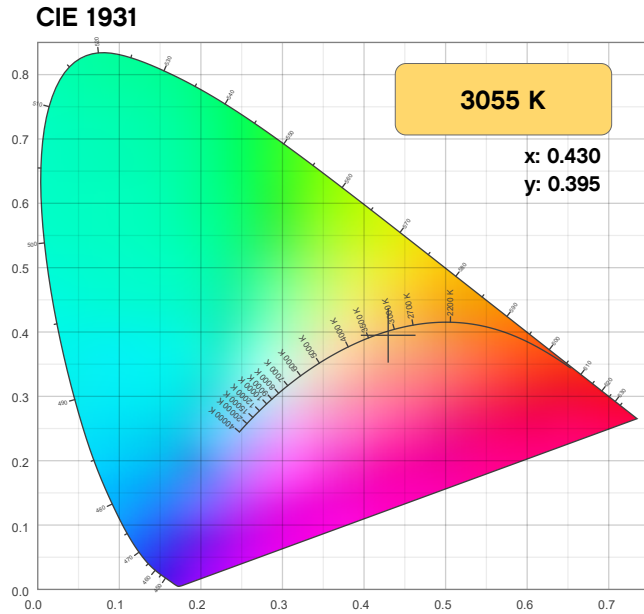
ISO Lux Diagram



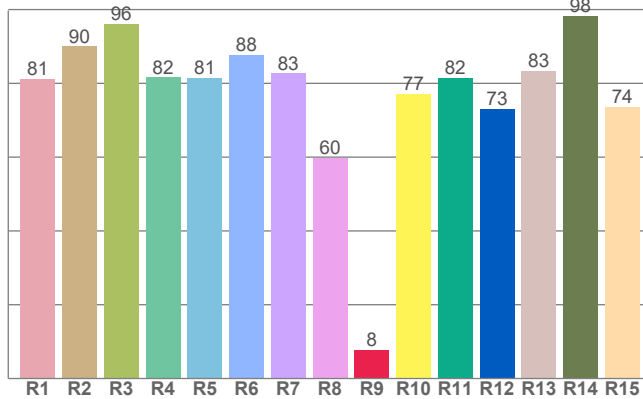
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Warm White Only

Chromaticity



CRI: 82.6 (R1-R8)

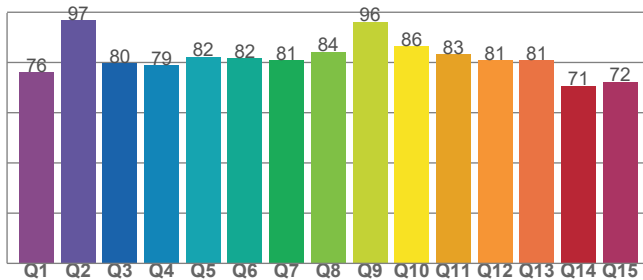


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3055 K	0.430	0.395

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0027	0.395	0.250

CQS: 80.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
82.6	7.7	80.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
64	83.2	98.8

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Warm White Only

TM-30 Details

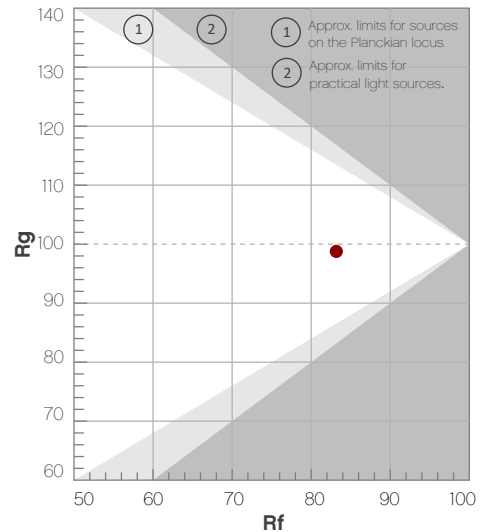
Rf 83.2

Fidelity Index
(R_f)

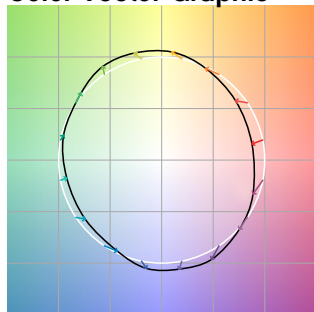
Rg 98.8

Gammut Index
(R_g)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-8%	8%
3	74	-2%	14%
4	82	5%	11%
5	89	7%	6%
6	88	7%	-3%
7	83	1%	-11%
8	91	-2%	-5%
9	90	-6%	-1%
10	84	-7%	6%
11	80	-3%	13%
12	83	6%	6%
13	88	7%	-4%
14	82	7%	-13%
15	79	0%	-14%
16	79	-7%	-15%



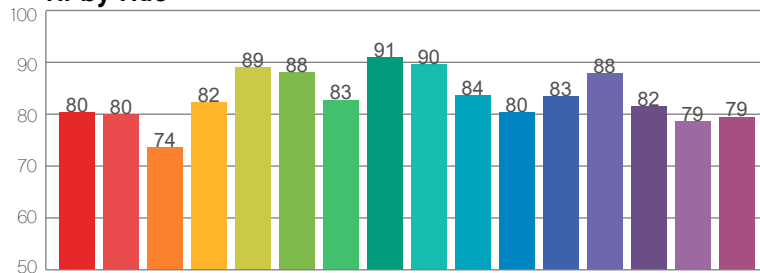
Color Vector Graphic



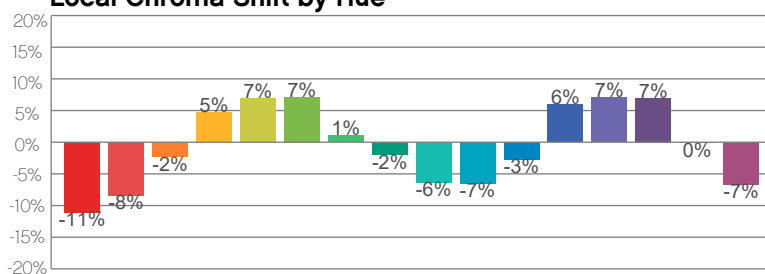
Color Distortion Graphic



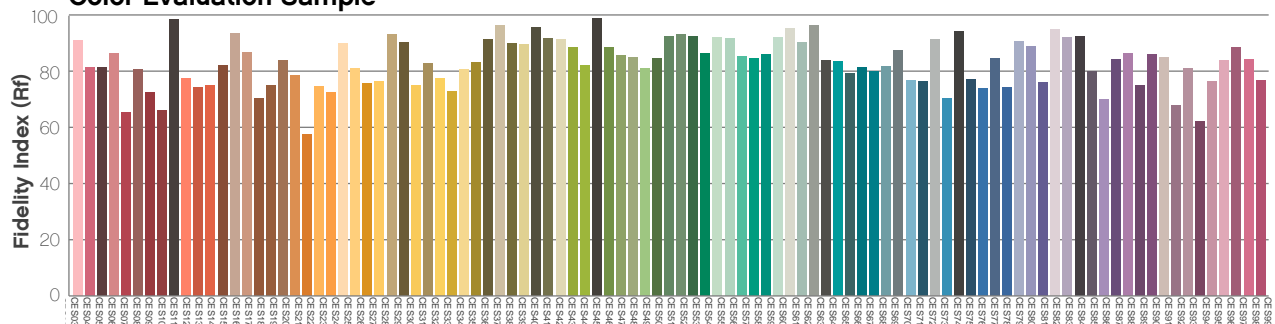
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Lime Only

Report Summary

Measurements

Fixture Output: 20009 lm
Fixture Peak: 96104 cd
Fixture Efficacy: 81 lm/W
Intensity @ 5m: 3838 lux
Color Temperature: 4290 K
CRI: 56.6 CRI R9 Value: -110.1
CQS: 46.2
TLCI: 40
TM-30 Rf: 0.0
TM-30 Rg: n/a
Beam Angle (50%): 18°
Field Angle (10%): 42.3°
Cutoff Angle (3%): 78.4°

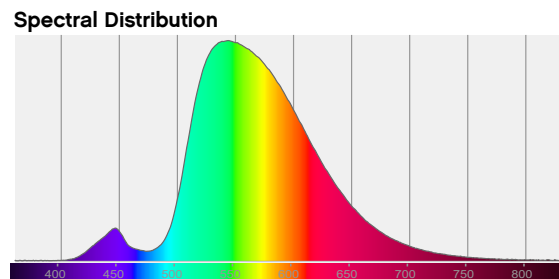
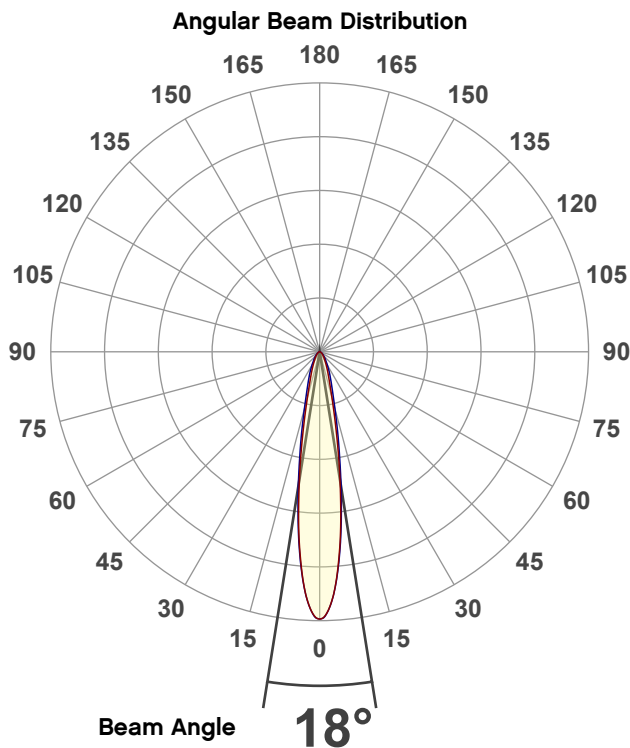


Conditions

AC Supply: 114 V, 60 Hz
Power: 249.14 W
Current: 2.19 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):
X: 0.402
Y: 0.523



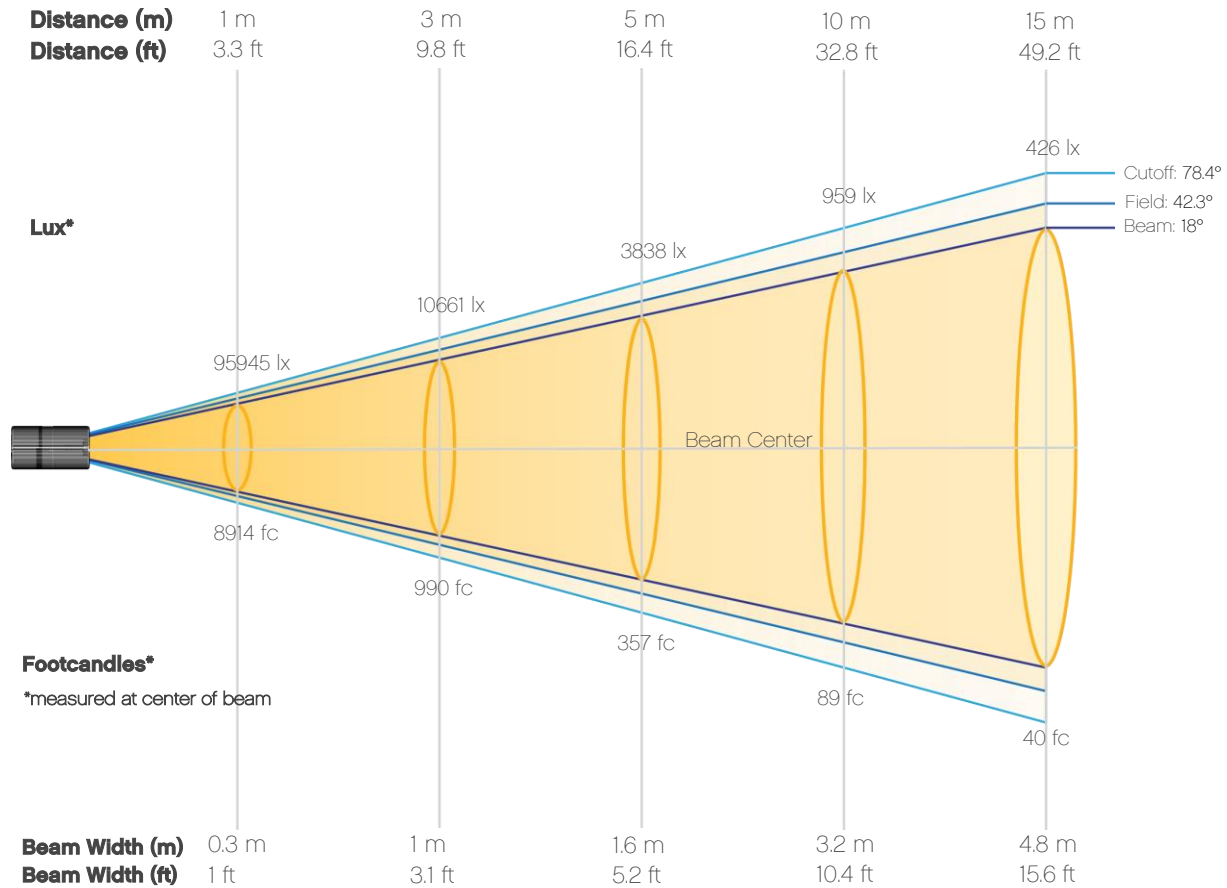
Light Quality
CRI: 56.6

Color Temperature
4290 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Lime Only

Beam Details

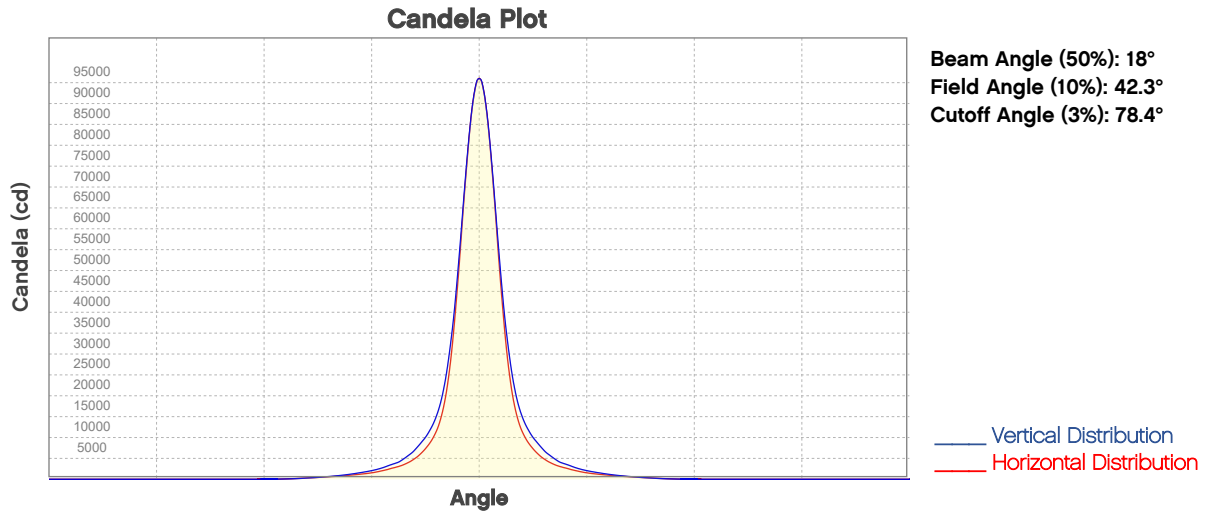


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	95945	23986	10661	5997	3838	2665	1958	1499	1185	959
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	793	666	568	490	426	375	332	296	266	240
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	8914	2228	990	557	357	248	182	139	110	89
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	74	62	53	45	40	35	31	28	25	22

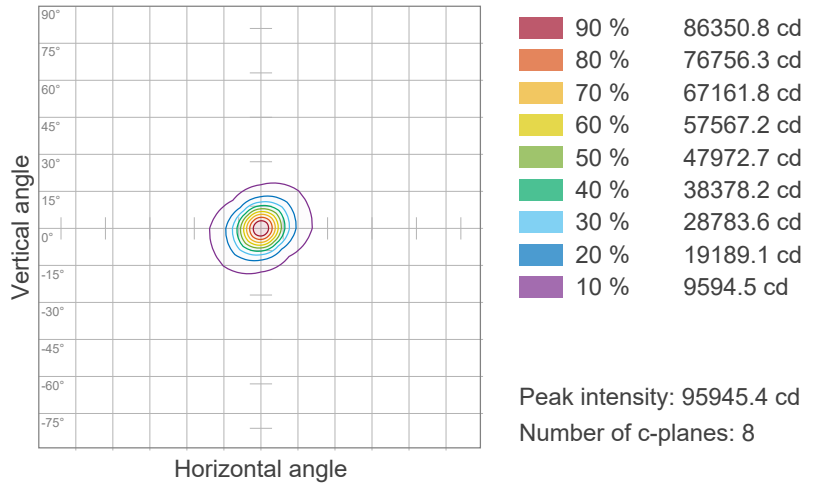
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Lime Only

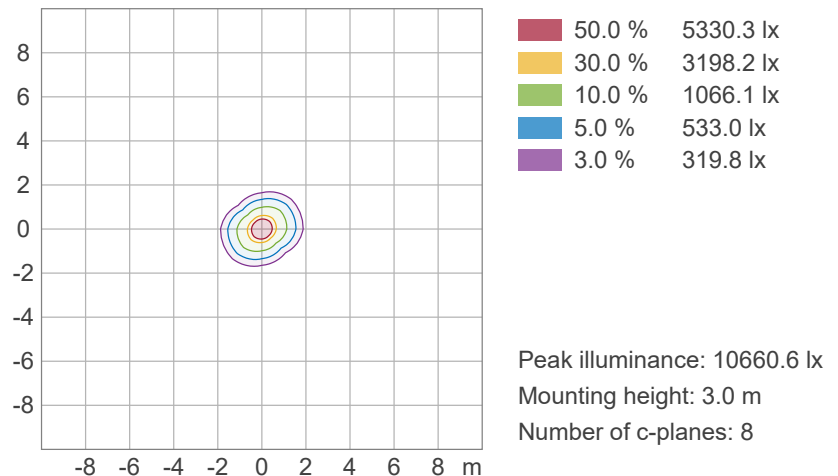


ISO Diagrams

ISO Candela Diagram



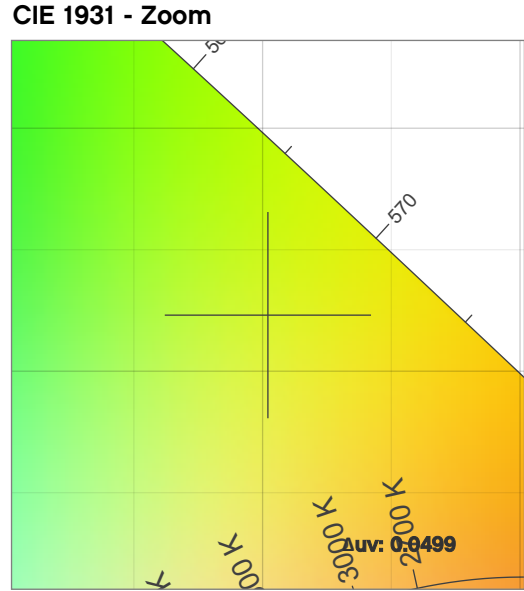
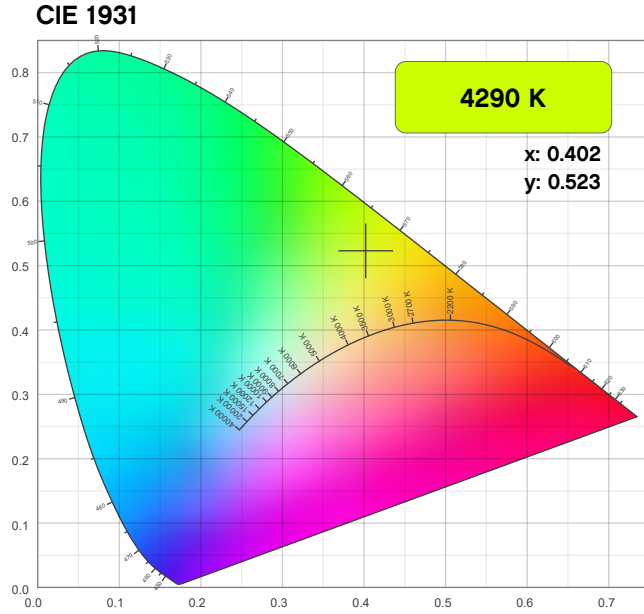
ISO Lux Diagram



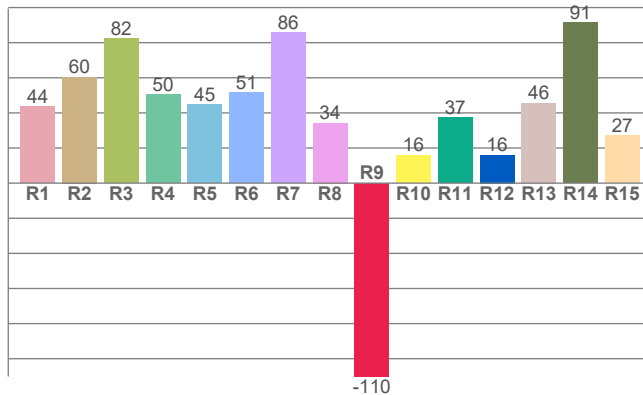
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - Lime Only

Chromaticity



CRI: 56.6 (R1-R8)

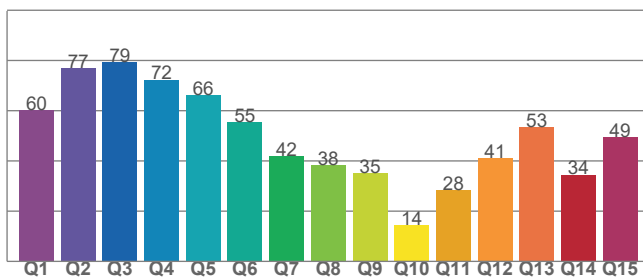


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4290 K	0.402	0.523

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δ_{uv}	y	u
0.0499	0.523	0.190

CQS: 46.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
56.6	-110.1	46.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
40	0.0	n/a

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



Photometric & Chromaticity Report

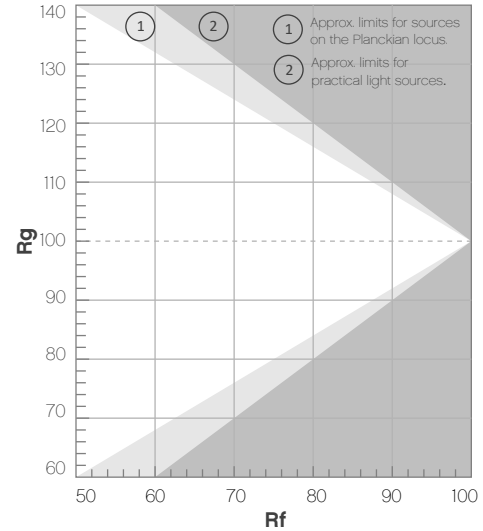
COLORado Solo Bar 4: Standard Optics - Lime Only

TM-30 Details

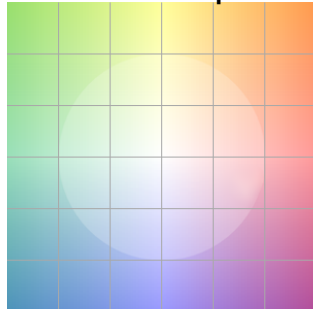
Rf 0.0
Fidelity Index
(Rg)

Rg n/a
Gammut Index
(Rg)

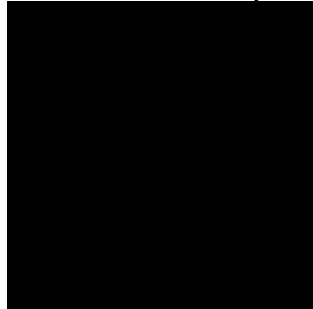
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



Color Vector Graphic



Color Distortion Graphic



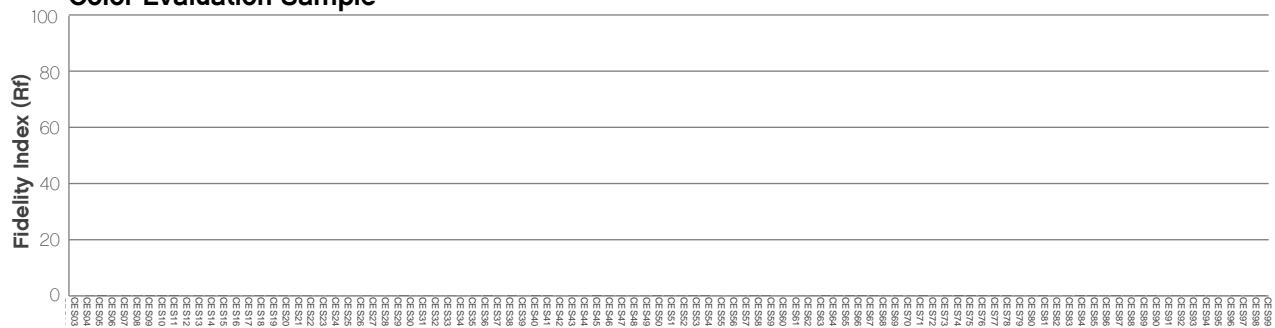
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 3200K

Report Summary

Measurements

Fixture Output: 16028 lm
Fixture Peak: 77992 cd
Fixture Efficacy: 53 lm/W
Intensity @ 5m: 3116 lux
Color Temperature: 3173 K
CRI: 93.6 CRI R9 Value: 97.8
CQS: 92.3
TLCI: 81
TM-30 Rf: 91.7
TM-30 Rg: 107.0
Beam Angle (50%): 17.7°
Field Angle (10%): 42.1°
Cutoff Angle (3%): 78.1°

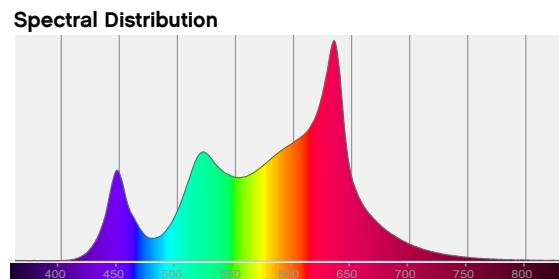
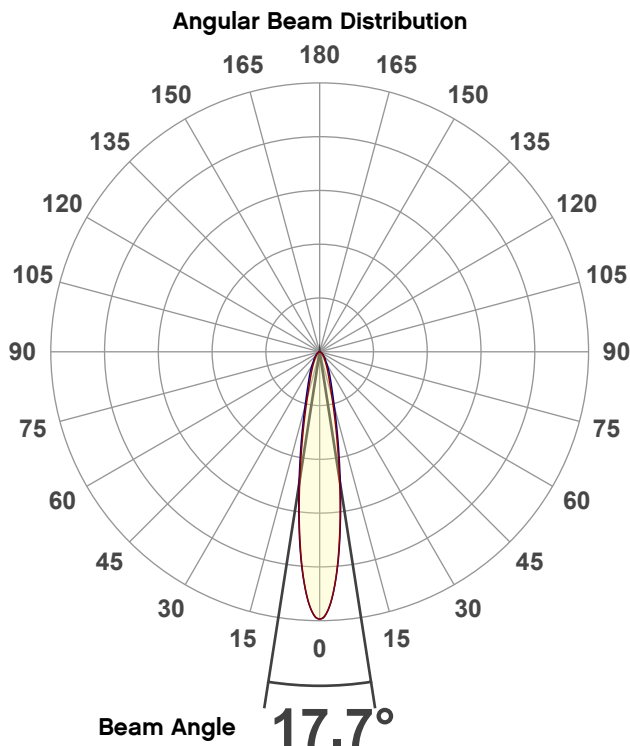


Conditions

AC Supply: 113 V, 60 Hz
Power: 301.57 W
Current: 2.66 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 7/26/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.423

Y: 0.395



Light Quality

CRI: 93.6



Color Temperature

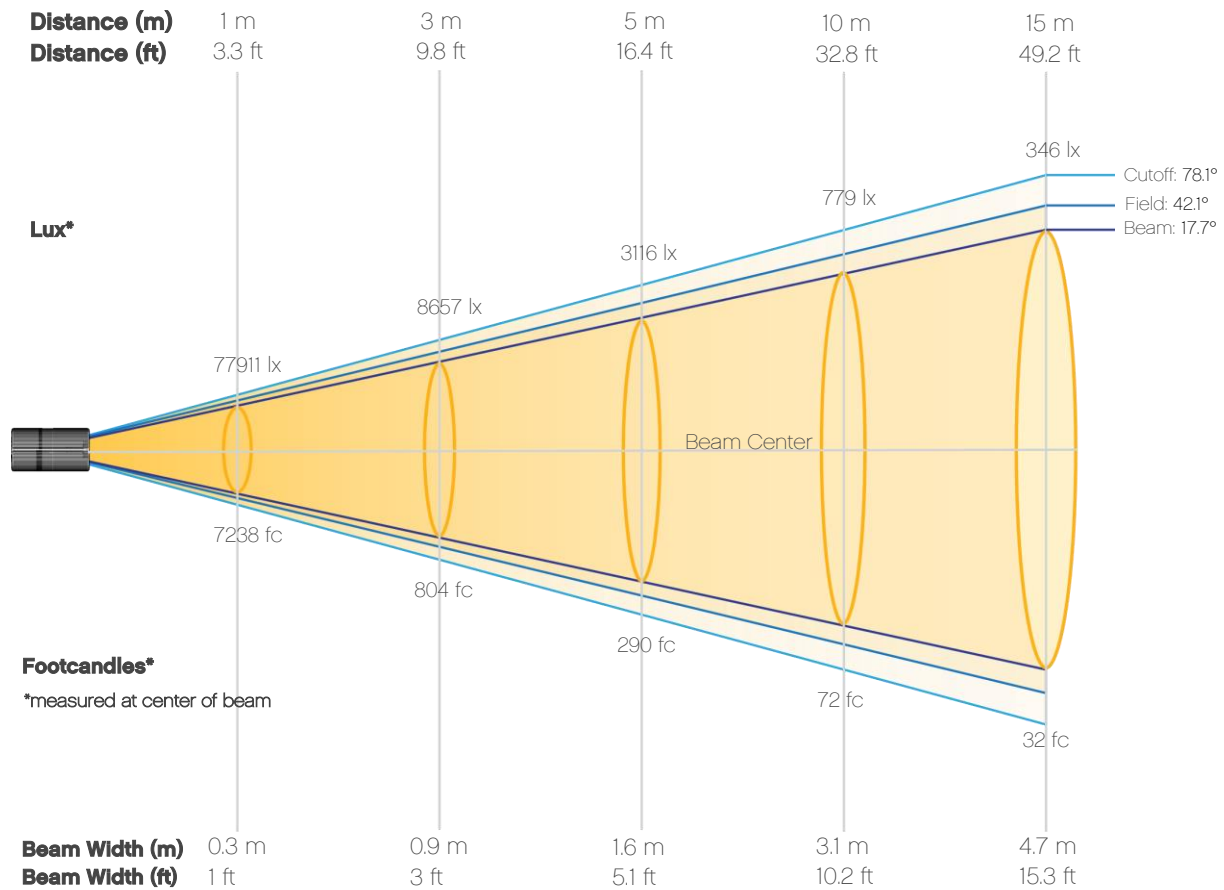
3173 K



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 3200K

Beam Details

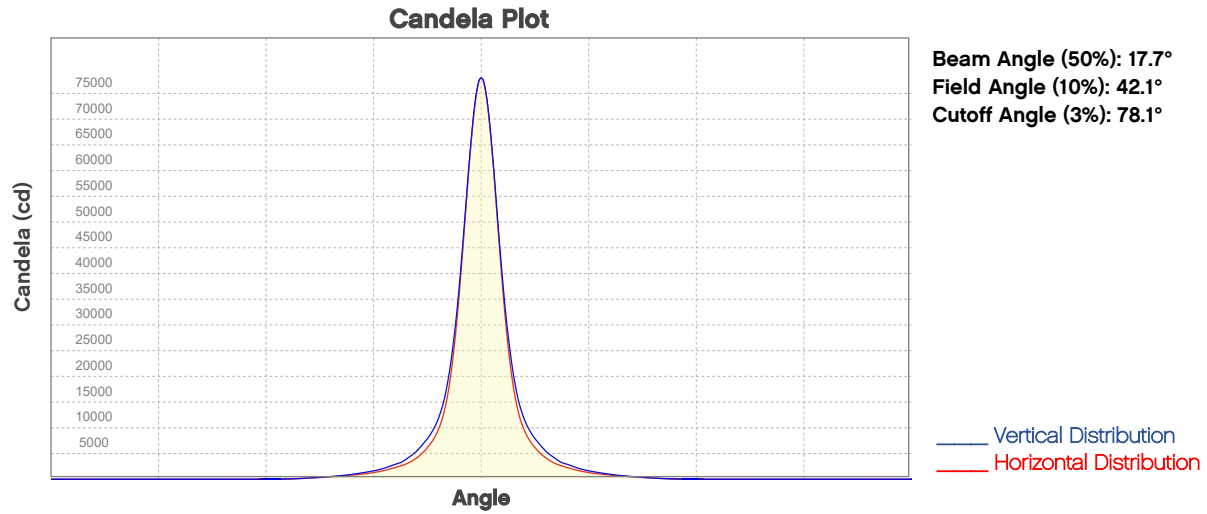


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	77911	19478	8657	4869	3116	2164	1590	1217	962	779
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	644	541	461	398	346	304	270	240	216	195
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	7238	1810	804	452	290	201	148	113	89	72
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	60	50	43	37	32	28	25	22	20	18

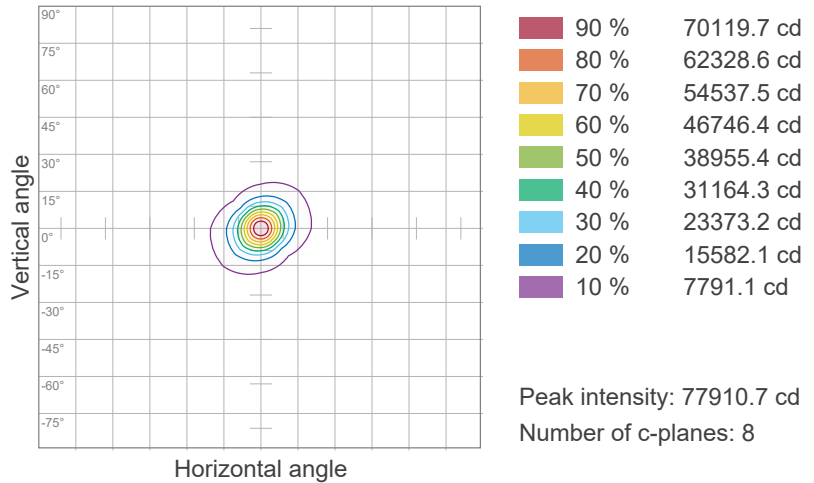
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 3200K

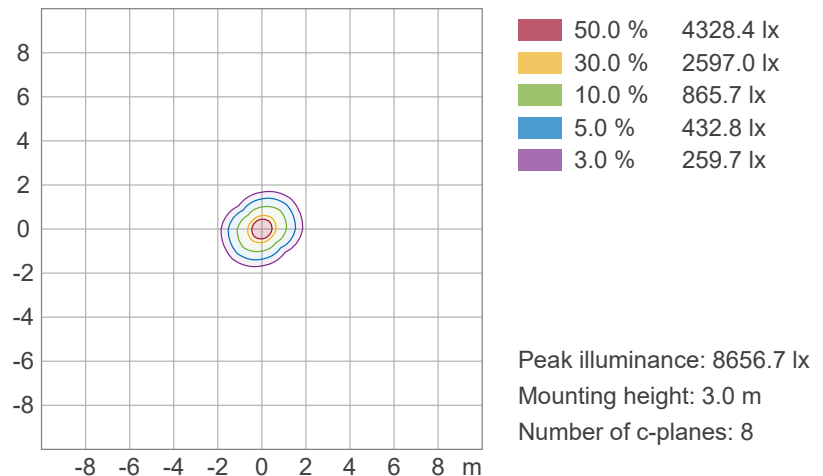


ISO Diagrams

ISO Candela Diagram



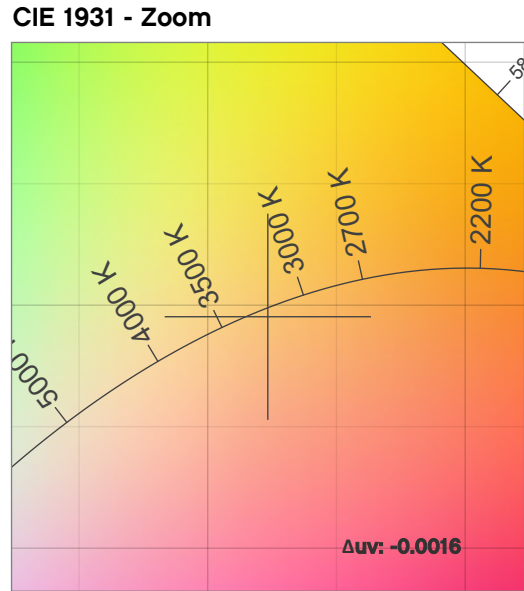
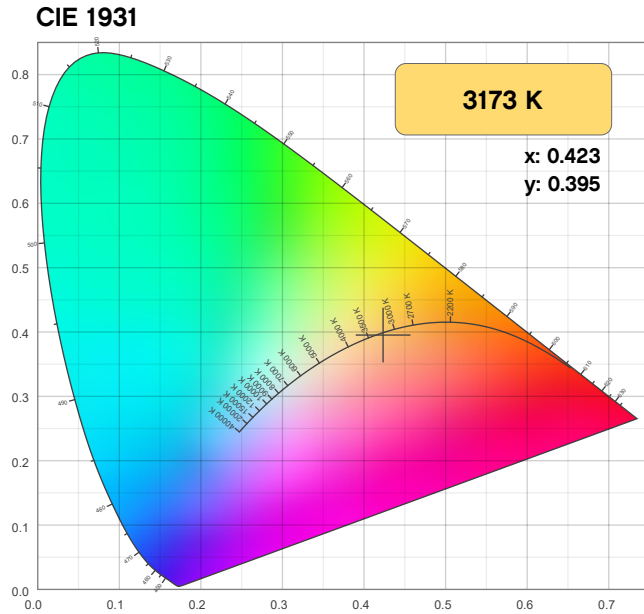
ISO Lux Diagram



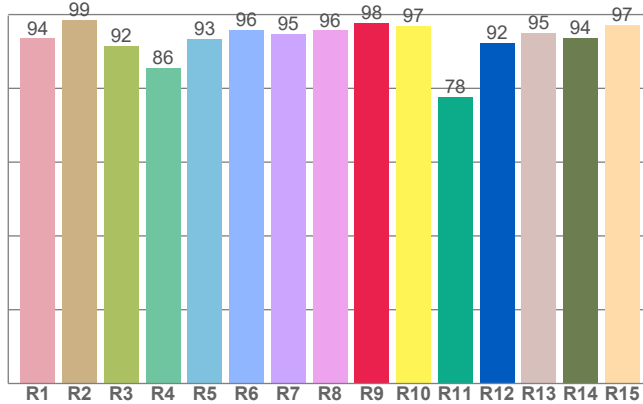
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 3200K

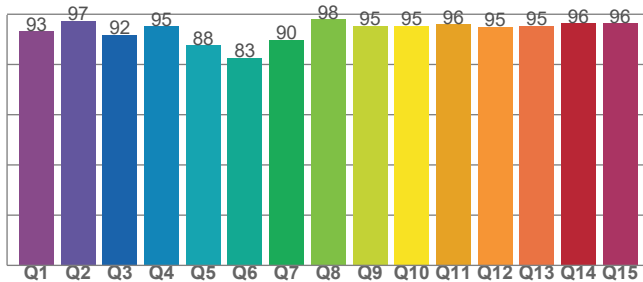
Chromaticity



CRI: 93.6 (R1-R8)



CQS: 92.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3173 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	0.246

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.6	97.8	92.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
81	91.7	107.0

Photometric & Chromaticity Report

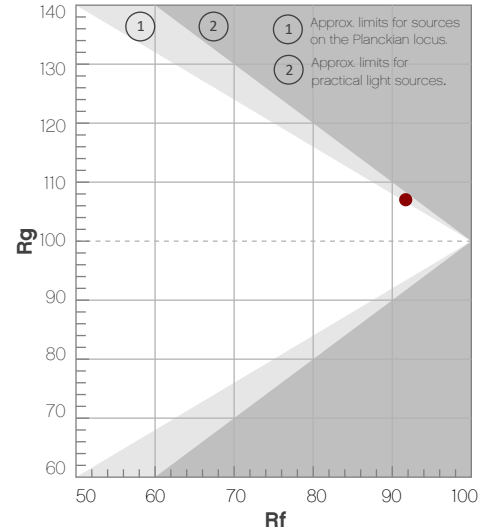
COLORado Solo Bar 4: Standard Optics - 3200K

TM-30 Details

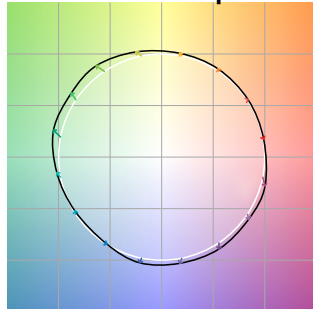
Rf 91.7
Fidelity Index
(Rg)

Rg 107.0
Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	95	1%	0%
3	93	2%	2%
4	94	2%	3%
5	91	5%	5%
6	86	9%	4%
7	88	7%	-3%
8	85	8%	-5%
9	92	3%	-5%
10	93	-1%	-3%
11	93	0%	3%
12	90	5%	-1%
13	92	4%	-3%
14	92	5%	-3%
15	91	4%	-3%
16	89	4%	-8%



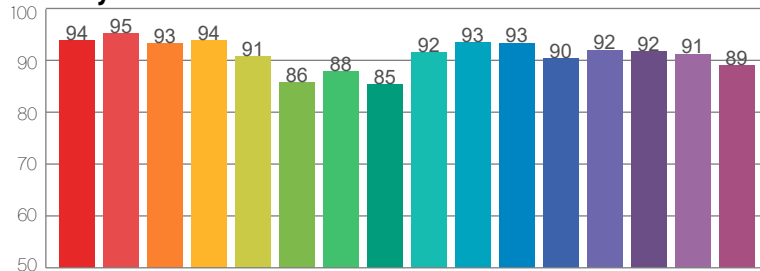
Color Vector Graphic



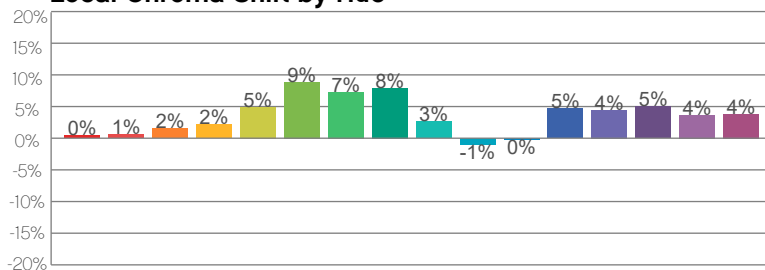
Color Distortion Graphic



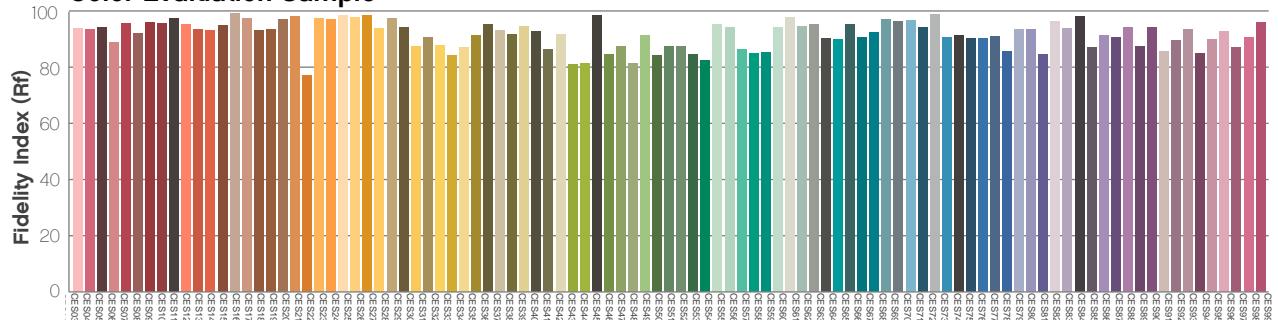
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 4000K

Report Summary

Measurements

Fixture Output: 16670 lm
Fixture Peak: 80713 cd
Fixture Efficacy: 53 lm/W
Intensity @ 5m: 3227 lux
Color Temperature: 3990 K
CRI: 93.1 CRI R9 Value: 95.5
CQS: 93.3
TLCI: 80
TM-30 Rf: 91.0
TM-30 Rg: 106.8
Beam Angle (50%): 17.7°
Field Angle (10%): 42.3°
Cutoff Angle (3%): 78°

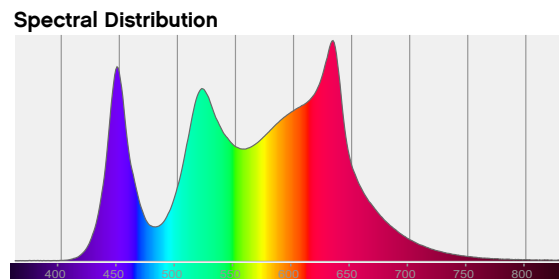
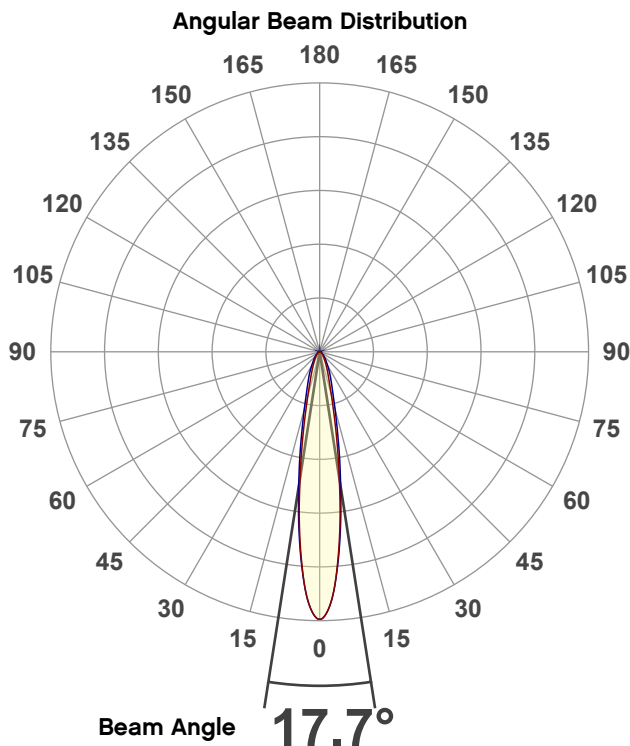


Conditions

AC Supply: 113 V, 60 Hz
Power: 316.97 W
Current: 2.82 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 7/29/2024 to LM-63-2002 Standards.

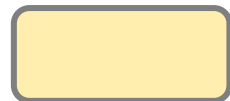
Overall Measurement



Tested Color (CIE 1931):

X: 0.380

Y: 0.372



Light Quality

CRI: 93.1

Color Temperature

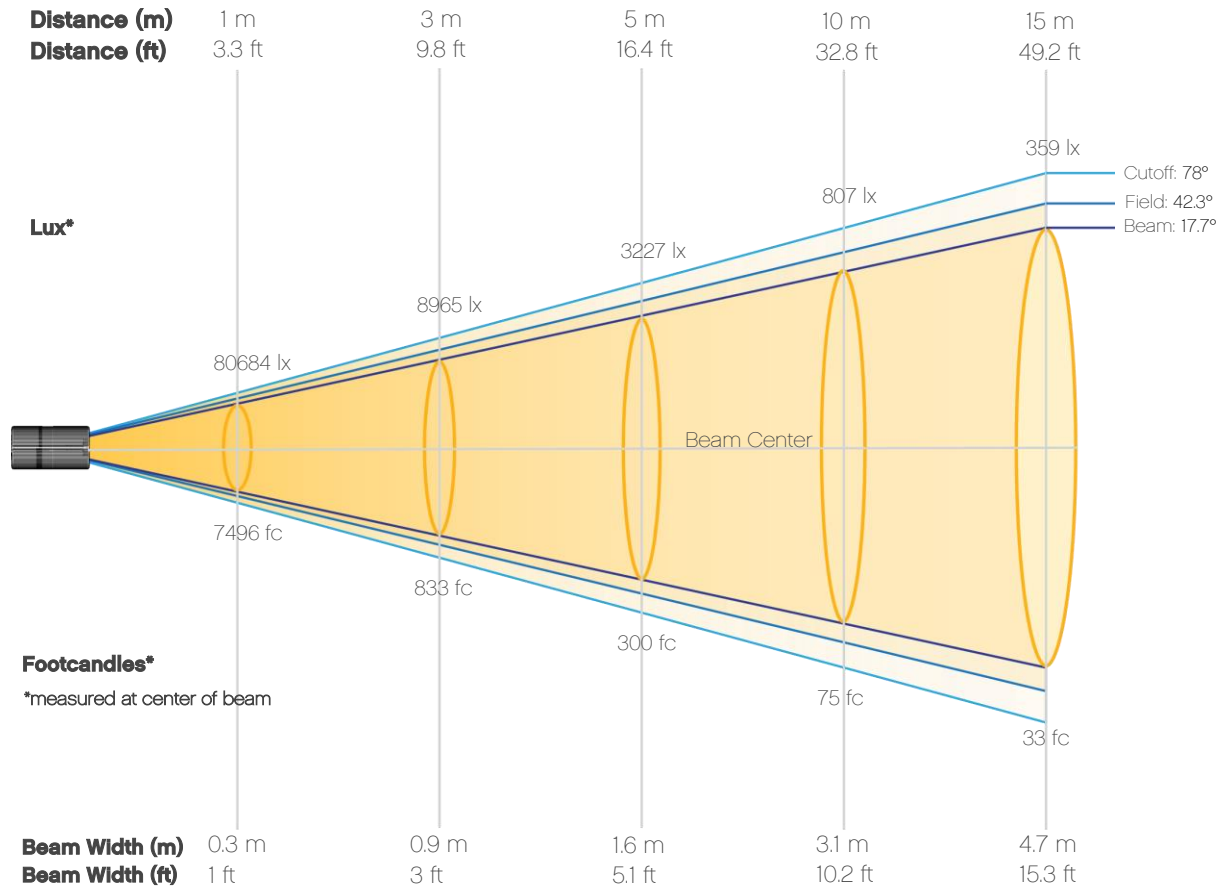
3990 K



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 4000K

Beam Details

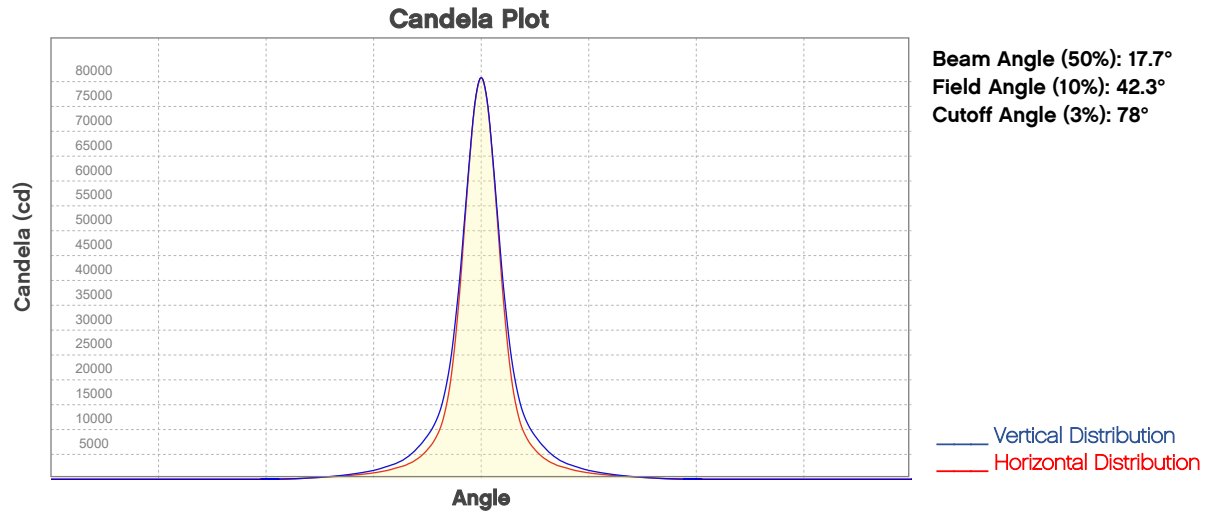


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	80684	20171	8965	5043	3227	2241	1647	1261	996	807
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	667	560	477	412	359	315	279	249	224	202
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	7496	1874	833	468	300	208	153	117	93	75
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	62	52	44	38	33	29	26	23	21	19

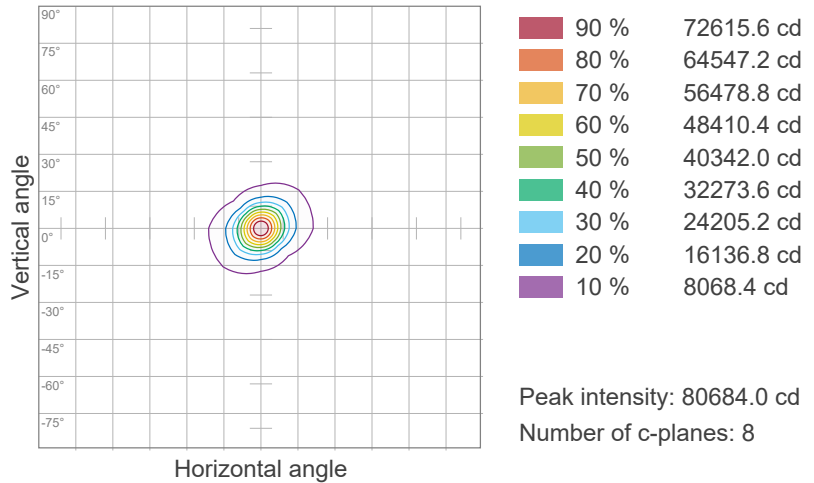
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 4000K

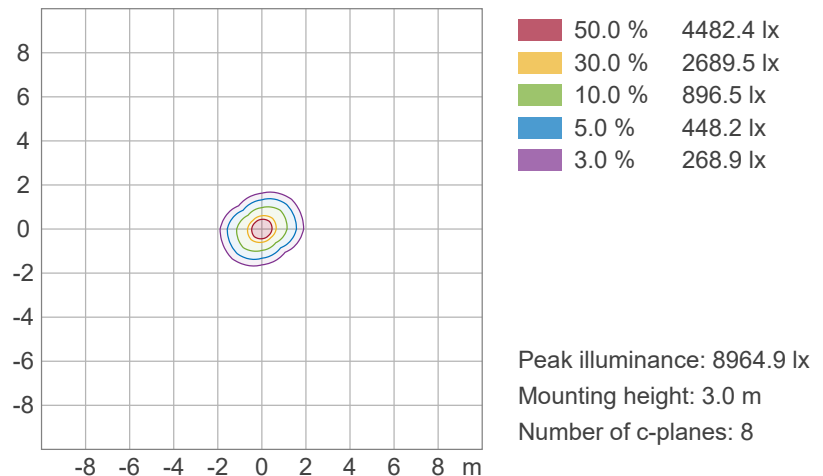


ISO Diagrams

ISO Candela Diagram



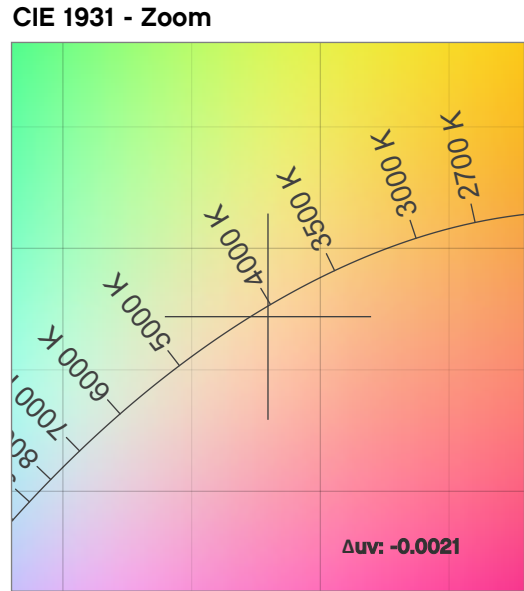
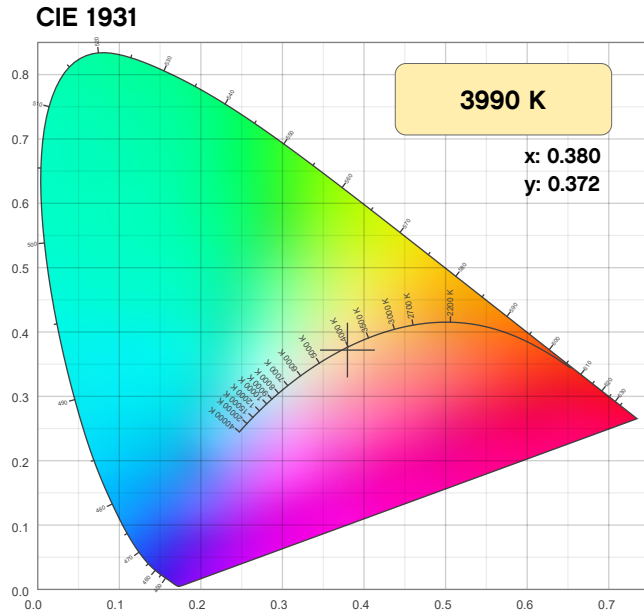
ISO Lux Diagram



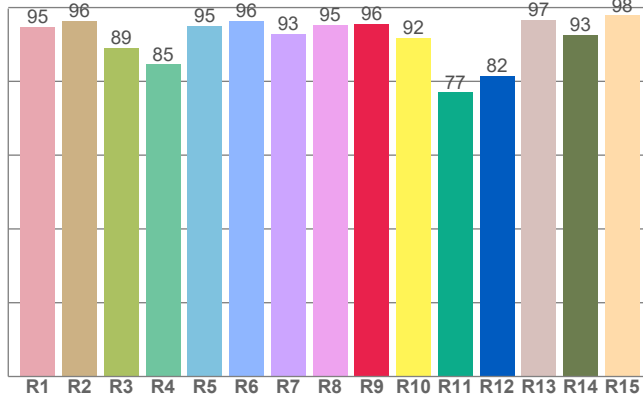
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 4000K

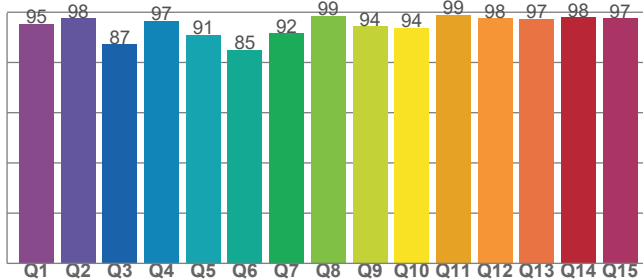
Chromaticity



CRI: 93.1 (R1-R8)



CQS: 93.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3990 K	0.380	0.372

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0021	0.372	0.227

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.1	95.5	93.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
80	91.0	106.8

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 4000K

TM-30 Details

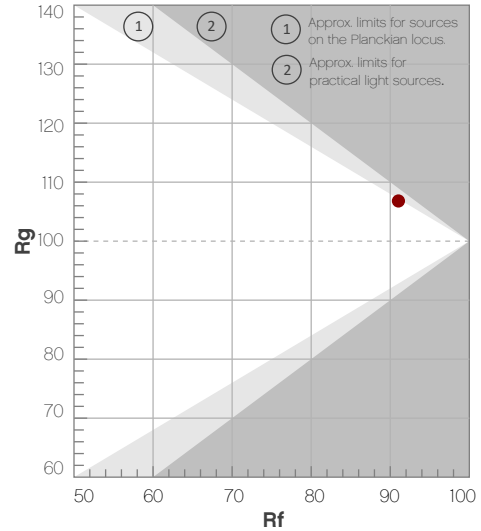
Rf 91.0

Fidelity Index
(Rg)

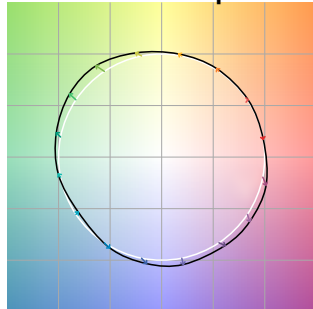
Rg 106.8

Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	0%	-2%
2	96	1%	0%
3	93	1%	3%
4	93	1%	3%
5	89	4%	5%
6	86	9%	4%
7	88	8%	-1%
8	90	5%	-3%
9	93	2%	-4%
10	94	-3%	-1%
11	89	1%	7%
12	87	4%	6%
13	91	6%	0%
14	92	5%	4%
15	90	6%	-4%
16	88	5%	-7%



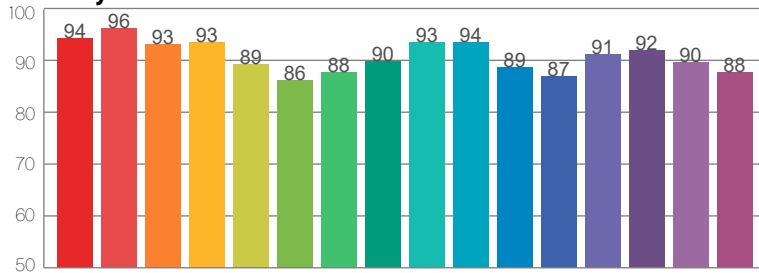
Color Vector Graphic



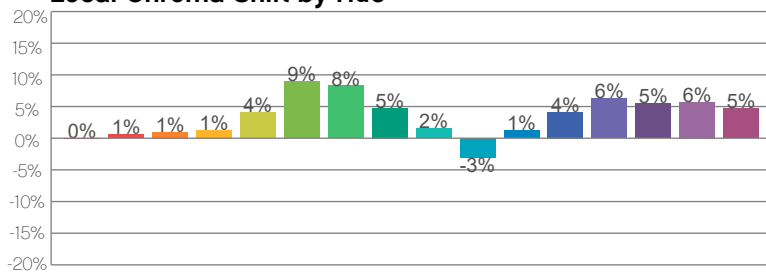
Color Distortion Graphic



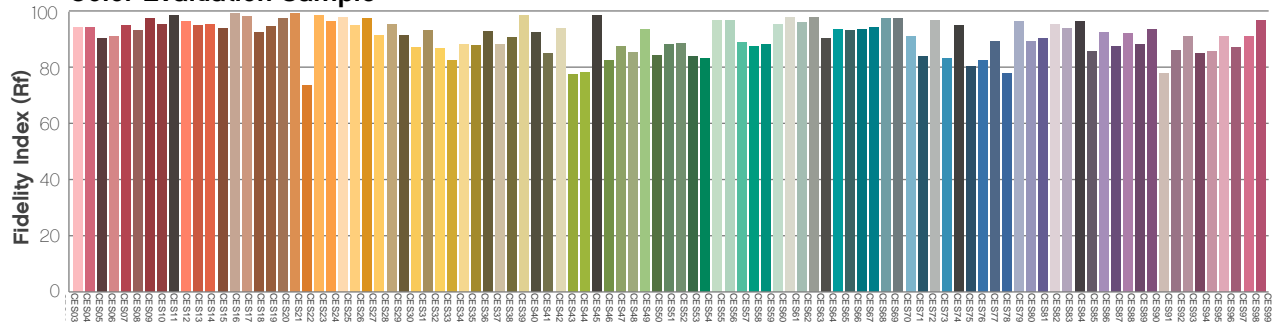
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 5600K

Report Summary

Measurements

Fixture Output: 17358 lm
Fixture Peak: 84112 cd
Fixture Efficacy: 50 lm/W
Intensity @ 5m: 3362 lux
Color Temperature: 5614 K
CRI: 91.0 CRI R9 Value: 92.3
CQS: 91.2
TLCI: 85
TM-30 Rf: 88.5
TM-30 Rg: 107.3
Beam Angle (50%): 17.7°
Field Angle (10%): 42.3°
Cutoff Angle (3%): 78°

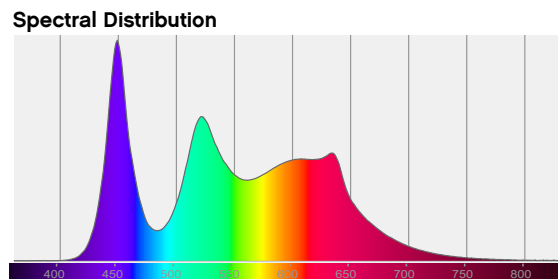
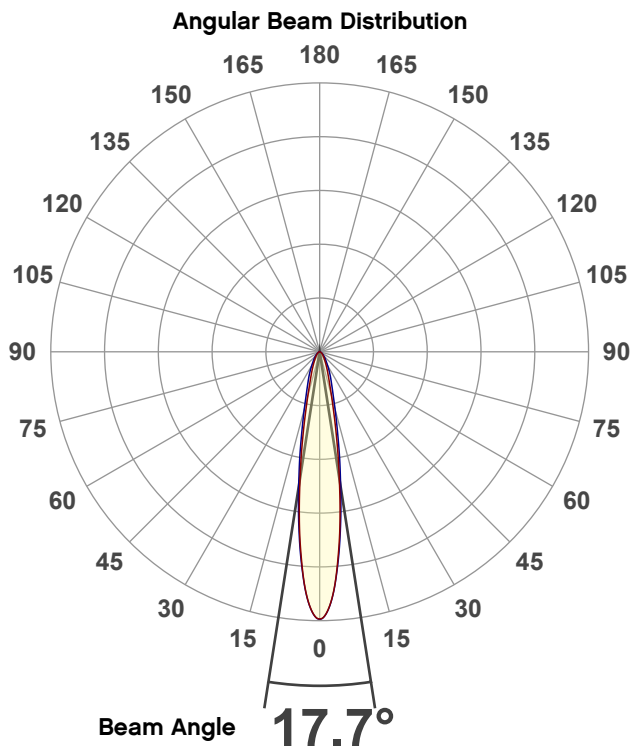


Conditions

AC Supply: 113 V, 60.1 Hz
Power: 346.97 W
Current: 3.08 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 7/29/2024 to LM-63-2002 Standards.

Overall Measurement



Tested Color (CIE 1931):

X: 0.330

Y: 0.334



Light Quality

CRI: 91.0

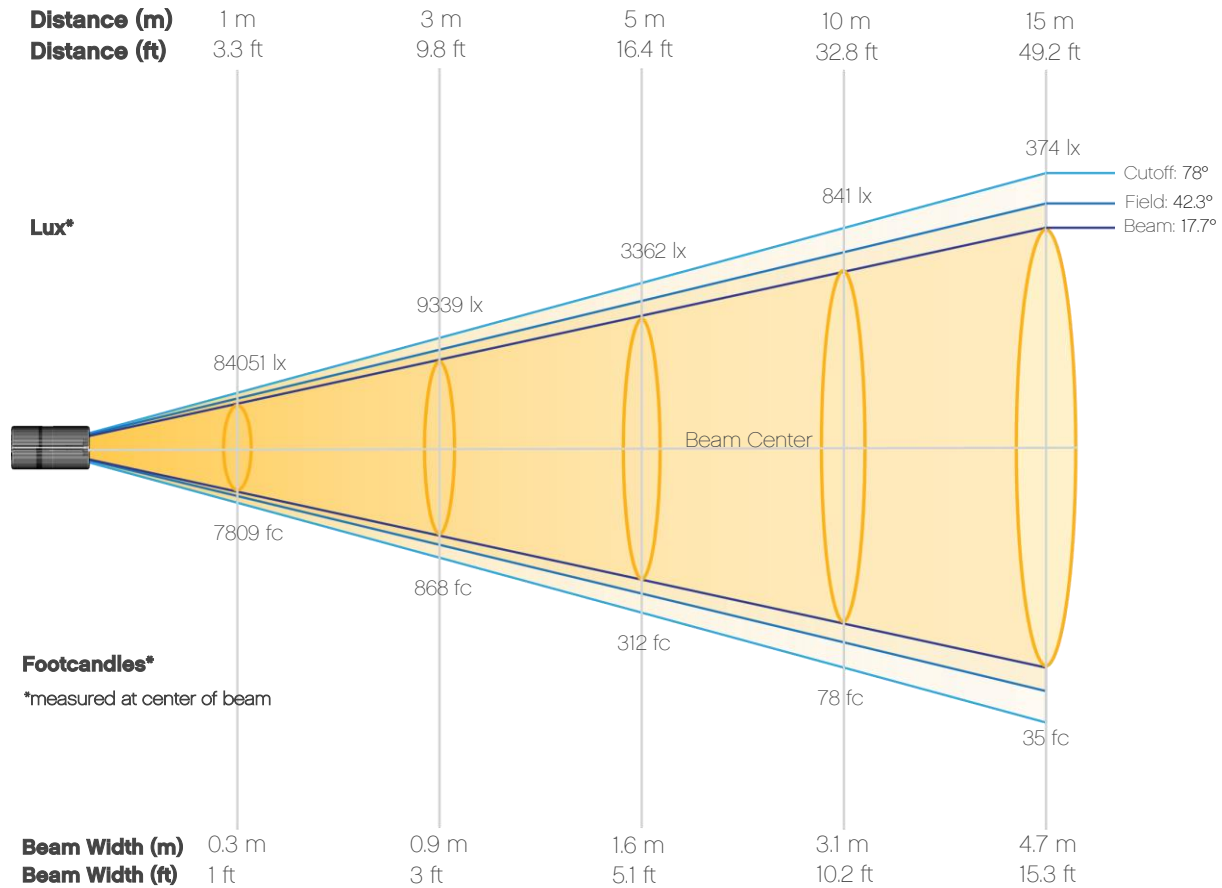
Color Temperature

5614 K

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 5600K

Beam Details

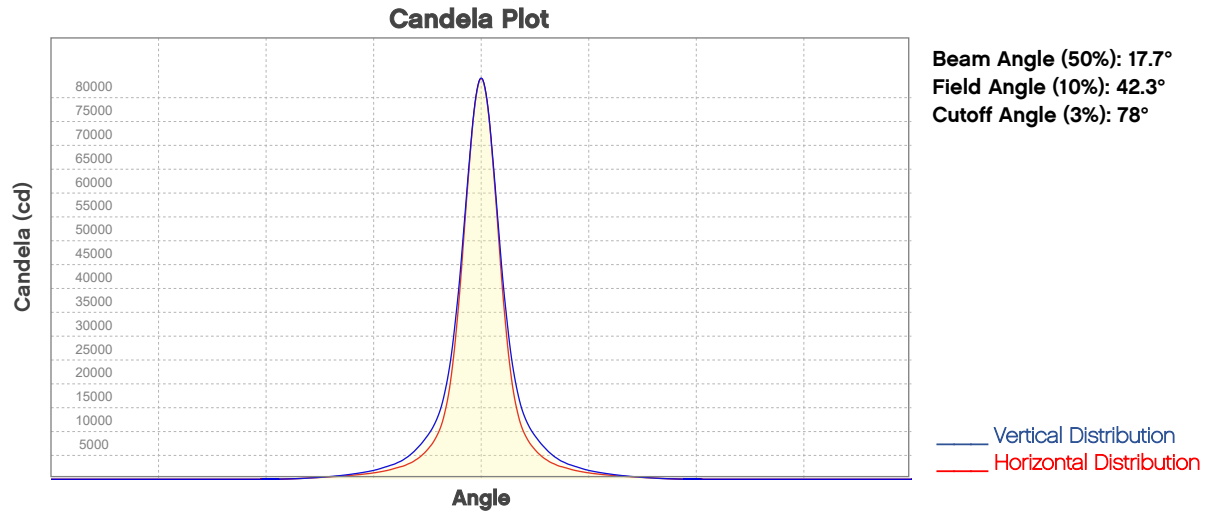


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	84051	21013	9339	5253	3362	2335	1715	1313	1038	841
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	695	584	497	429	374	328	291	259	233	210
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	7809	1952	868	488	312	217	159	122	96	78
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	65	54	46	40	35	31	27	24	22	20

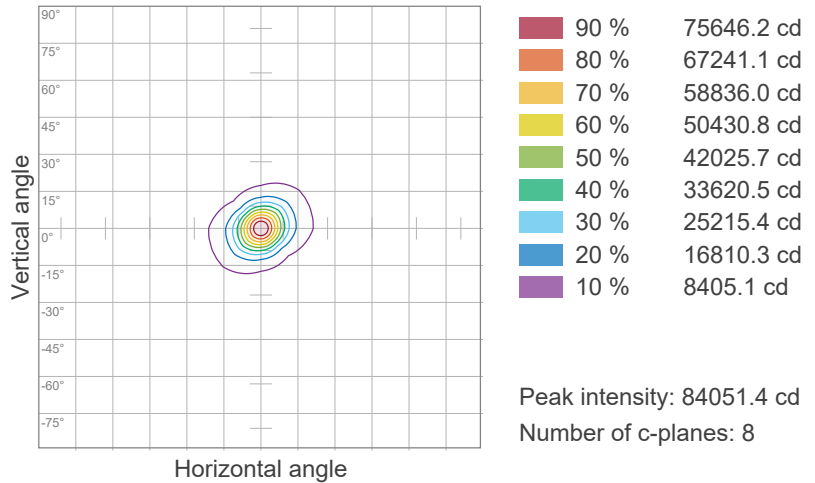
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 5600K

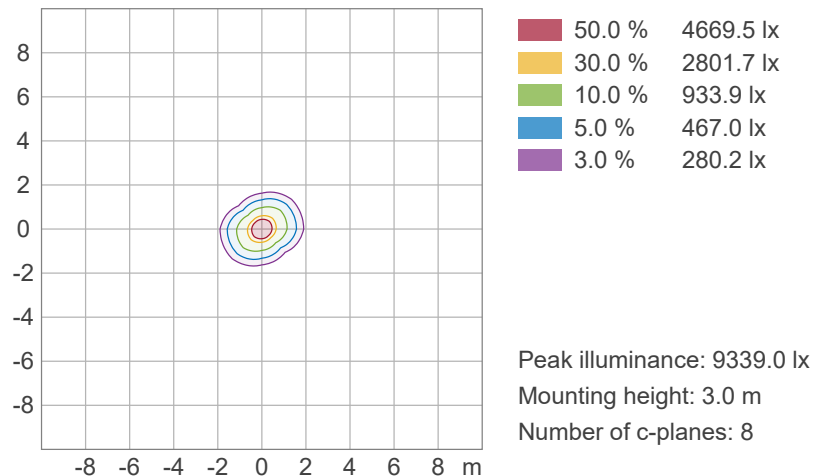


ISO Diagrams

ISO Candela Diagram



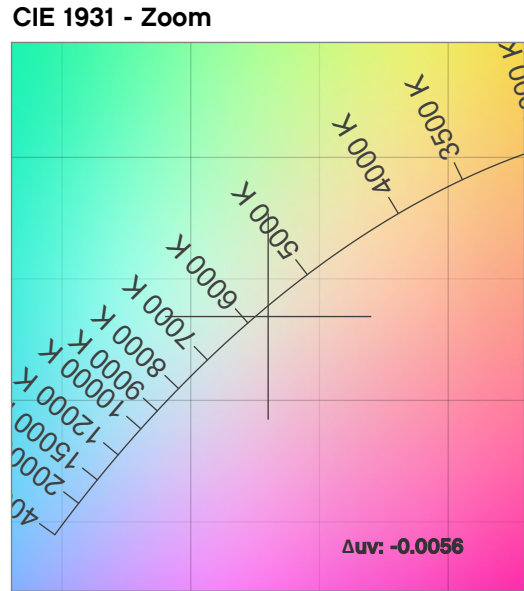
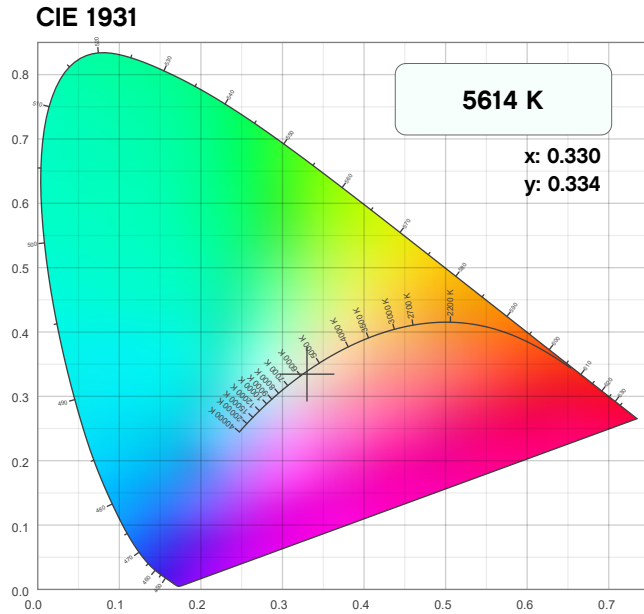
ISO Lux Diagram



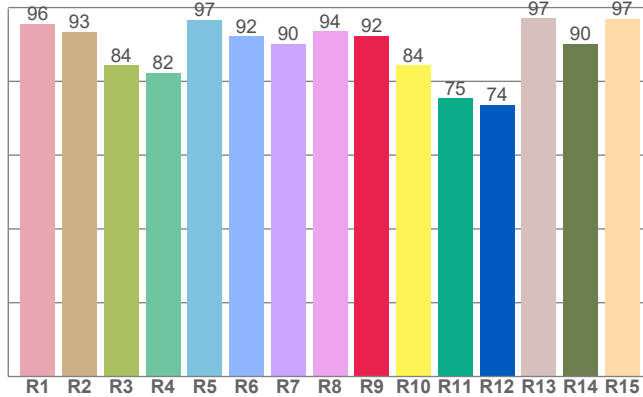
Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 5600K

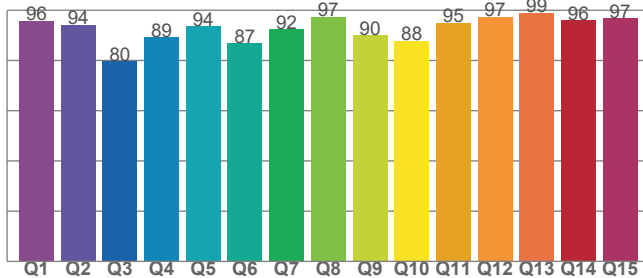
Chromaticity



CRI: 91.0 (R1-R8)



CQS: 91.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5614 K	0.330	0.334

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0056	0.334	0.208

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
91.0	92.3	91.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
85	88.5	107.3

Photometric & Chromaticity Report

COLORado Solo Bar 4: Standard Optics - 5600K

TM-30 Details

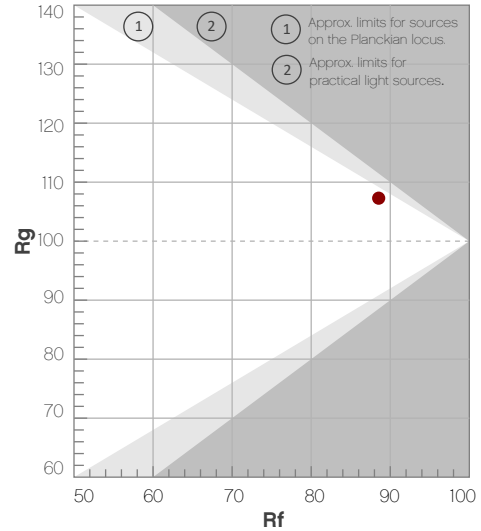
Rf 88.5

Fidelity Index
(Rg)

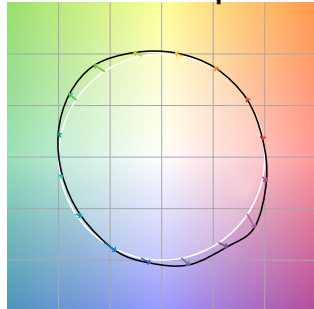
Rg 107.3

Gammut Index
(Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	94	-1%	-2%
2	96	0%	1%
3	90	1%	5%
4	89	2%	6%
5	87	5%	6%
6	84	10%	5%
7	88	8%	-1%
8	92	3%	-3%
9	94	-2%	-1%
10	91	-3%	4%
11	79	0%	13%
12	86	3%	9%
13	89	8%	6%
14	85	8%	4%
15	84	13%	-6%
16	92	4%	-3%



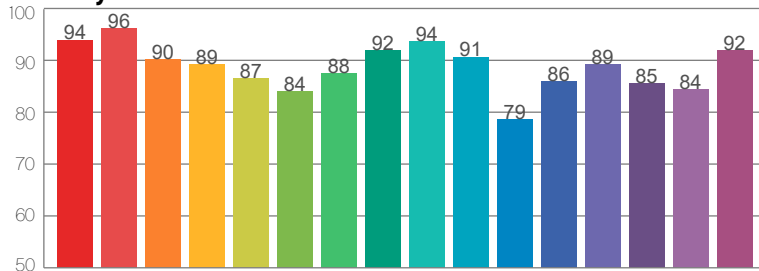
Color Vector Graphic



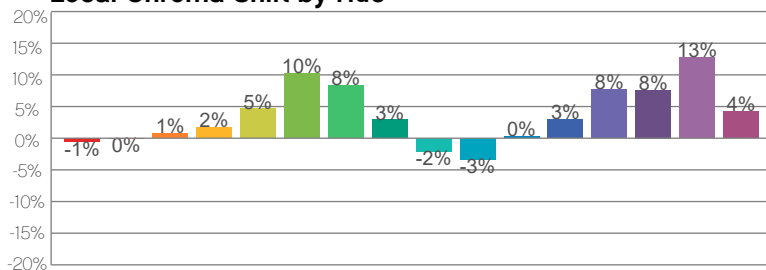
Color Distortion Graphic



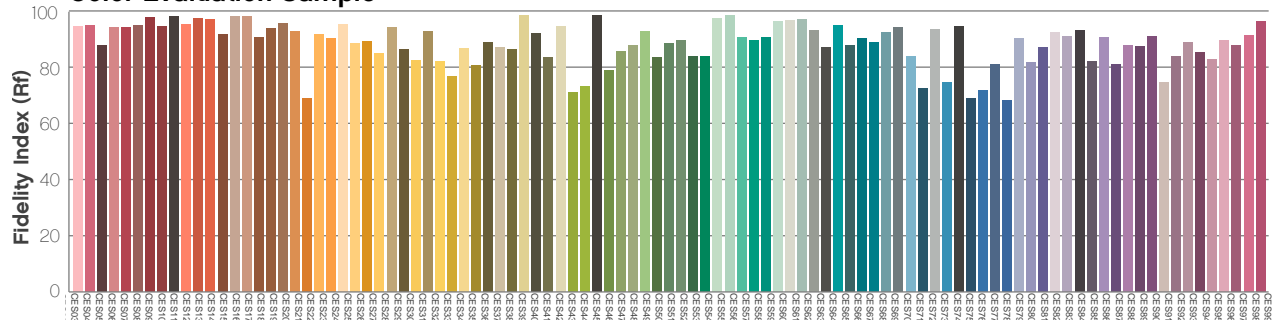
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Contact Us

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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.

