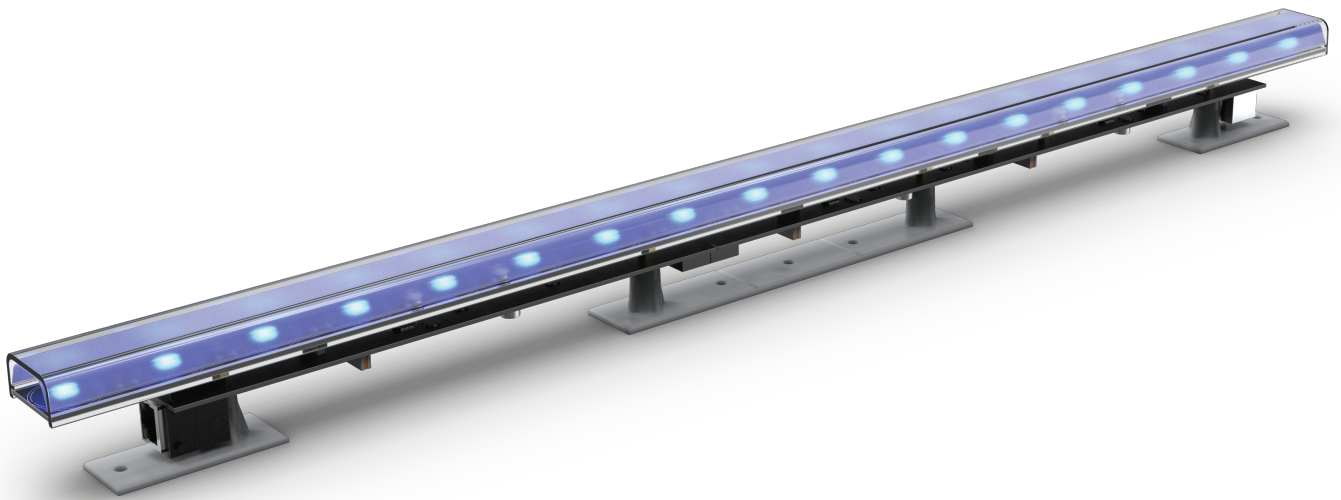


PHOTOMETRICS REPORT
LOGIC Cove M



ILUMINARC®

Table of Contents

Introduction	1
Testing Process	1
Total Illuminance Measurements.....	1
Testing Lab Equipment and Process.....	1
Photometrics & Chromaticity Reports	2
No Optics - RGBW - Full Power	3
Report Summary.....	3
Overall Measurement.....	3
Beam Details.....	4
ISO Diagrams.....	5
Chromaticity.....	6
TM-30 Details.....	7
Very Wide Filter - RGBW - Full Power	8
Report Summary.....	8
Overall Measurement.....	8
Beam Details.....	9
ISO Diagrams.....	10
Chromaticity.....	11
TM-30 Details.....	12
Very Wide Filter - Red Only	13
Report Summary.....	13
Overall Measurement.....	13
Beam Details.....	14
ISO Diagrams.....	15
Chromaticity.....	16
TM-30 Details.....	17
Very Wide Filter - Green Only	18
Report Summary.....	18
Overall Measurement.....	18
Beam Details.....	19
ISO Diagrams.....	20
Chromaticity.....	21
TM-30 Details.....	22
Very Wide Filter - Blue Only	23
Report Summary.....	23
Overall Measurement.....	23
Beam Details.....	24
ISO Diagrams.....	25

Chromaticity.....	26
TM-30 Details	27
Very Wide Filter - Warm White Only	28
Report Summary.....	28
Overall Measurement.....	28
Beam Details.....	29
ISO Diagrams	30
Chromaticity.....	31
TM-30 Details	32
Very Wide Filter - 1800K.....	33
Report Summary.....	33
Overall Measurement.....	33
Beam Details.....	34
ISO Diagrams	35
Chromaticity.....	36
TM-30 Details	37
Very Wide Filter - 2200K.....	38
Report Summary.....	38
Overall Measurement.....	38
Beam Details.....	39
ISO Diagrams	40
Chromaticity.....	41
TM-30 Details	42
Very Wide Filter - 2700K.....	43
Report Summary.....	43
Overall Measurement.....	43
Beam Details.....	44
ISO Diagrams	45
Chromaticity.....	46
TM-30 Details	47
Very Wide Filter - 3000K.....	48
Report Summary.....	48
Overall Measurement.....	48
Beam Details.....	49
ISO Diagrams	50
Chromaticity.....	51
TM-30 Details	52
Very Wide Filter - 3200K.....	53
Report Summary.....	53
Overall Measurement.....	53

Beam Details	54
ISO Diagrams	55
Chromaticity.....	56
TM-30 Details	57
Very Wide Filter - 4000K.....	58
Report Summary.....	58
Overall Measurement.....	58
Beam Details.....	59
ISO Diagrams	60
Chromaticity.....	61
TM-30 Details	62
Very Wide Filter - 4500K.....	63
Report Summary.....	63
Overall Measurement.....	63
Beam Details.....	64
ISO Diagrams	65
Chromaticity.....	66
TM-30 Details	67
Very Wide Filter - 5000K.....	68
Report Summary.....	68
Overall Measurement.....	68
Beam Details.....	69
ISO Diagrams	70
Chromaticity.....	71
TM-30 Details	72
Very Wide Filter - 5600K.....	73
Report Summary.....	73
Overall Measurement.....	73
Beam Details.....	74
ISO Diagrams	75
Chromaticity.....	76
TM-30 Details	77
Very Wide Filter - 6000K.....	78
Report Summary.....	78
Overall Measurement.....	78
Beam Details.....	79
ISO Diagrams	80
Chromaticity.....	81
TM-30 Details	82
Very Wide Filter - 6500K.....	83

Report Summary.....	83
Overall Measurement.....	83
Beam Details.....	84
ISO Diagrams	85
Chromaticity.....	86
TM-30 Details	87
Very Wide Filter - 7000K.....	88
Report Summary.....	88
Overall Measurement.....	88
Beam Details.....	89
ISO Diagrams	90
Chromaticity.....	91
TM-30 Details	92
Very Wide Filter - 8000K.....	93
Report Summary.....	93
Overall Measurement.....	93
Beam Details.....	94
ISO Diagrams	95
Chromaticity.....	96
TM-30 Details	97
Very Wide Filter - 10000K	98
Report Summary.....	98
Overall Measurement.....	98
Beam Details.....	99
ISO Diagrams	100
Chromaticity.....	101
TM-30 Details	102
Contact Us.....	103

Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

LOGIC Cove M

**Photometrics &
Chromaticity
Reports**

ILUMINARC®

Photometric & Chromaticity Report

Logic Cove M: No Optics - RGBW - Full Power

Report Summary

Measurements

Fixture Output: 922 lm
Fixture Peak: 284 cd
Fixture Efficacy: 37 lm/W
Intensity @ 5m: 11 lux
Color Temperature: 5666 K
CRI: 65.4 CRI R9 Value: 6.9
CQS: 79.3
TLCI: 75
TM-30 Rf: 70.7
TM-30 Rg: 93.2
Beam Angle (50%): 122.9°
Field Angle (10%): 165.3°
Cutoff Angle (3%): 177.8°

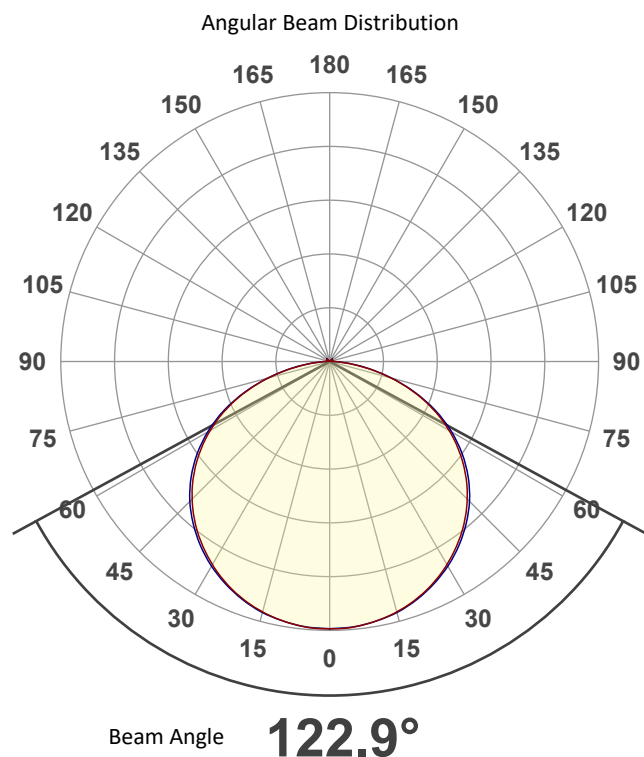
Conditions

AC Supply: 120 V, 60 Hz
Power: 27.39 W
Current: 0.228 A
Power Factor: 0.91

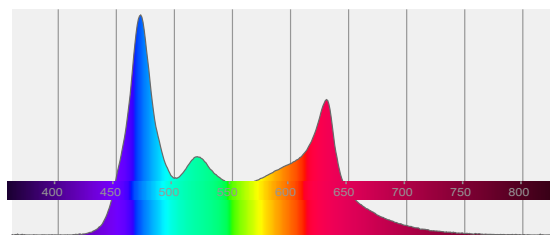


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement



Spectral Distribution



Tested Color (CIE 1931):

X: 0.329

Y: 0.315



Light Quality

CRI: 65.4

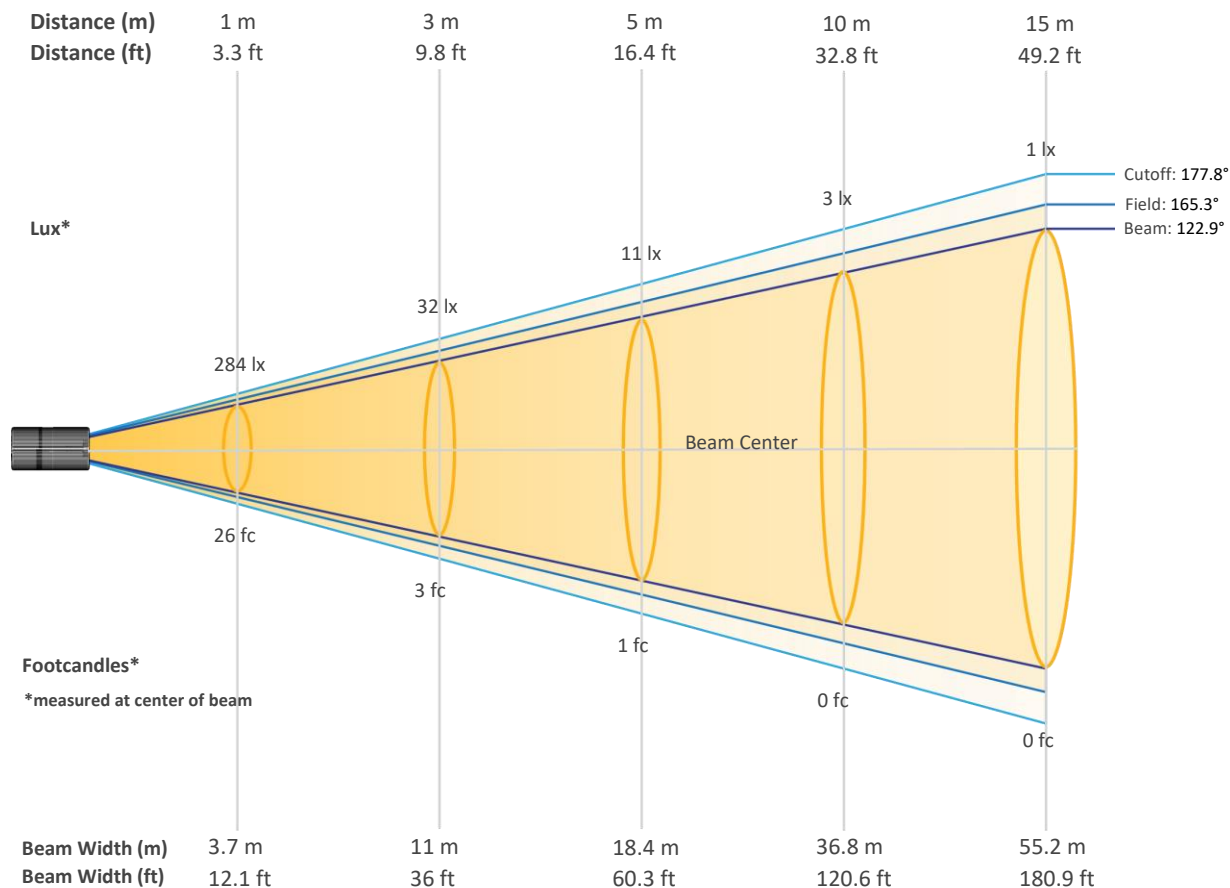
Color Temperature

5666 K

Photometric & Chromaticity Report

Logic Cove M: No Optics - RGBW - Full Power

Beam Details

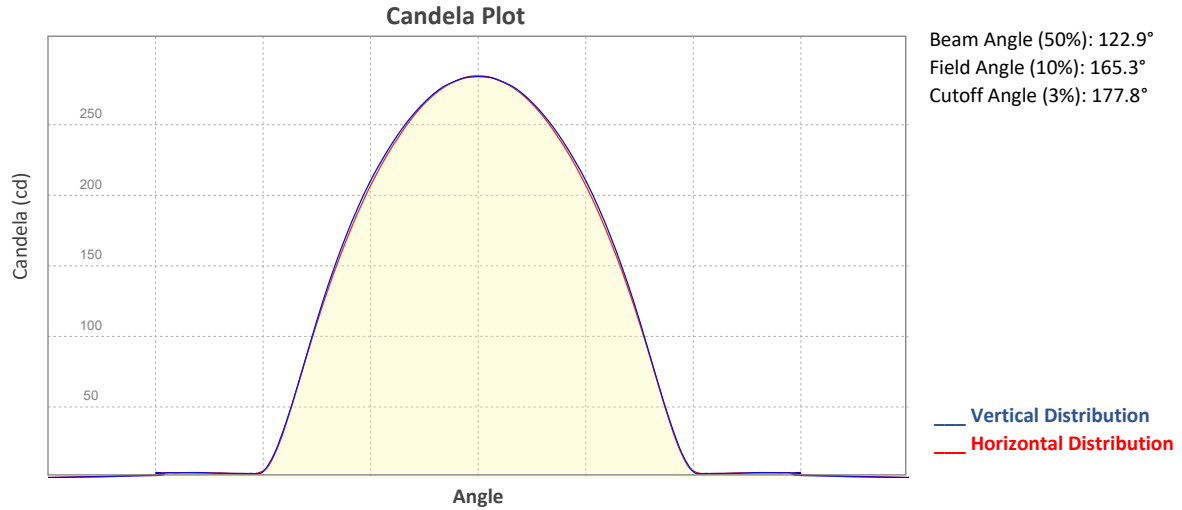


Beam Intensities from 1-20m (3.3-65.6ft)

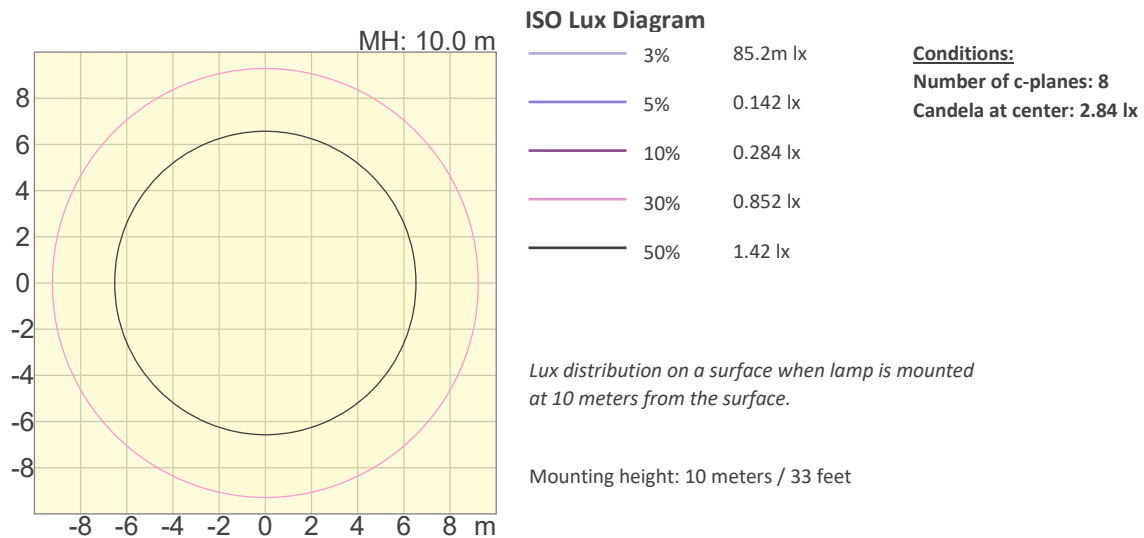
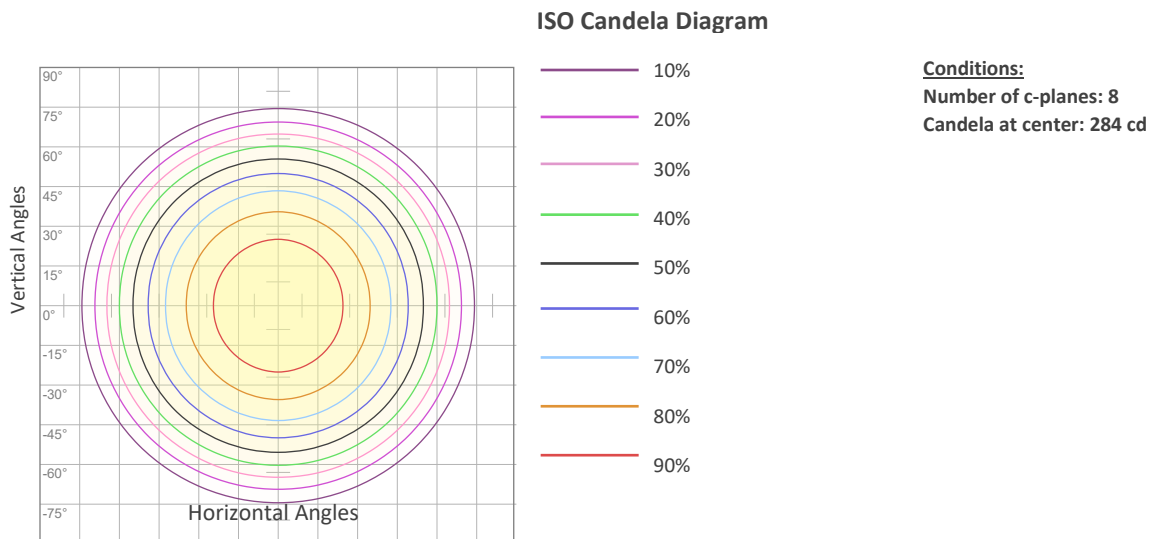
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	284	71	32	18	11	8	6	4	4	3
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2	2	2	1	1	1	1	1	1	1
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	26	7	3	2	1	1	1	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

Logic Cove M: No Optics - RGBW - Full Power



ISO Diagrams

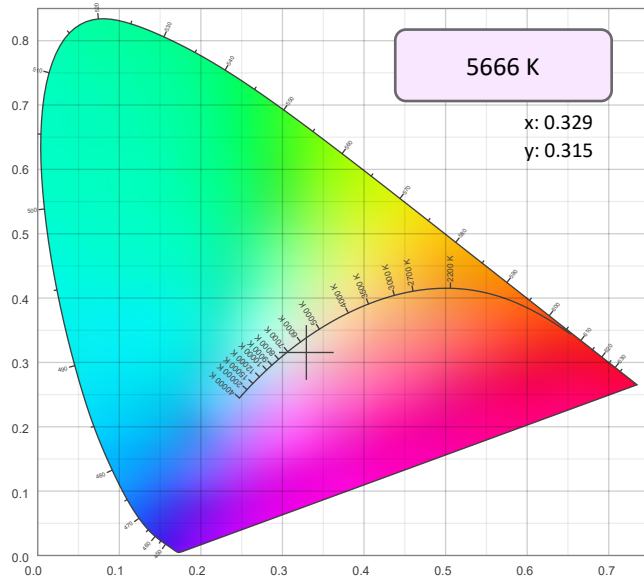


Photometric & Chromaticity Report

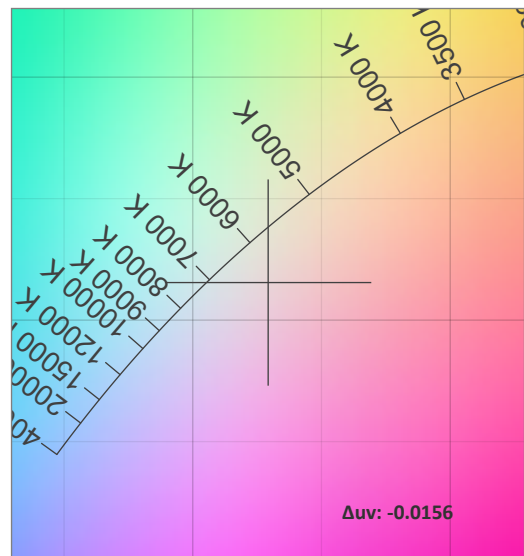
Logic Cove M: No Optics - RGBW - Full Power

Chromaticity

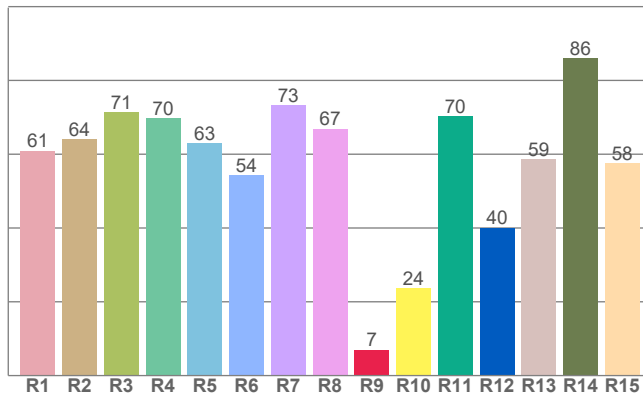
CIE 1931



CIE 1931 - Zoom



CRI: 65.4 (R1-R8)

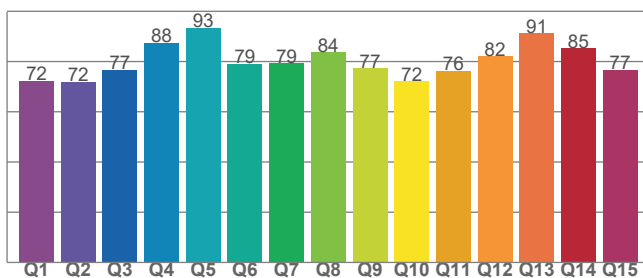


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5666 K	0.329	0.315

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0156	0.315	0.215

CQS: 79.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
65.4	6.9	79.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
75	70.7	93.2

Photometric & Chromaticity Report

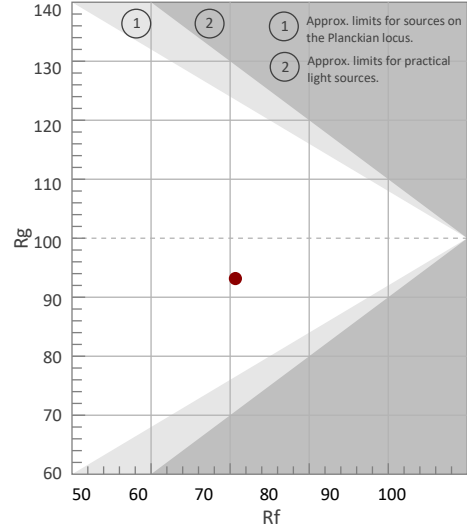
Logic Cove M: No Optics - RGBW - Full Power

TM-30 Details

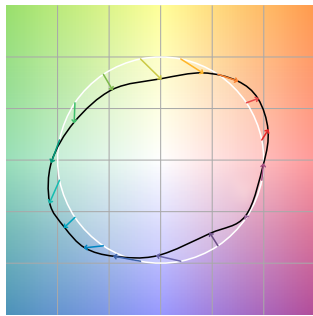
Rf 70.7
Fidelity Index (Rg)

Rg 93.2
Gammut Index (Rg)

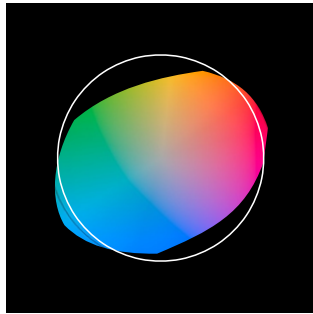
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	8%	8%
2	79	12%	-3%
3	67	5%	-19%
4	60	-9%	-23%
5	58	-23%	-15%
6	76	-17%	1%
7	72	-10%	16%
8	63	3%	22%
9	74	14%	19%
10	78	14%	2%
11	69	12%	-14%
12	63	0%	-26%
13	72	-10%	-22%
14	75	-14%	0%
15	80	-2%	1%
16	74	-1%	15%



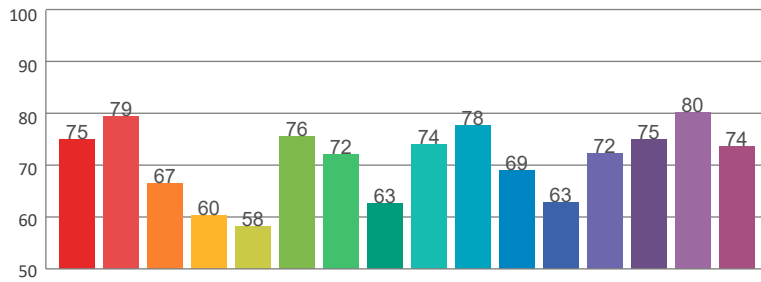
Color Vector Graphic



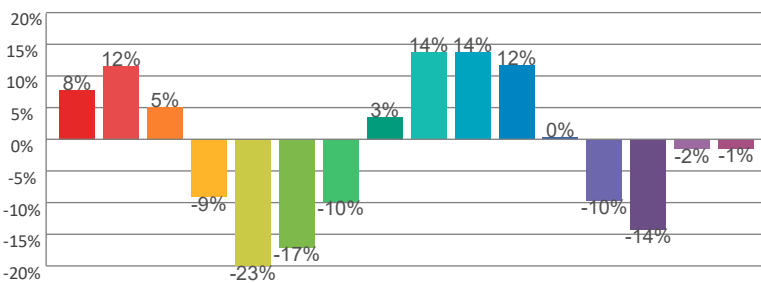
Color Distortion Graphic



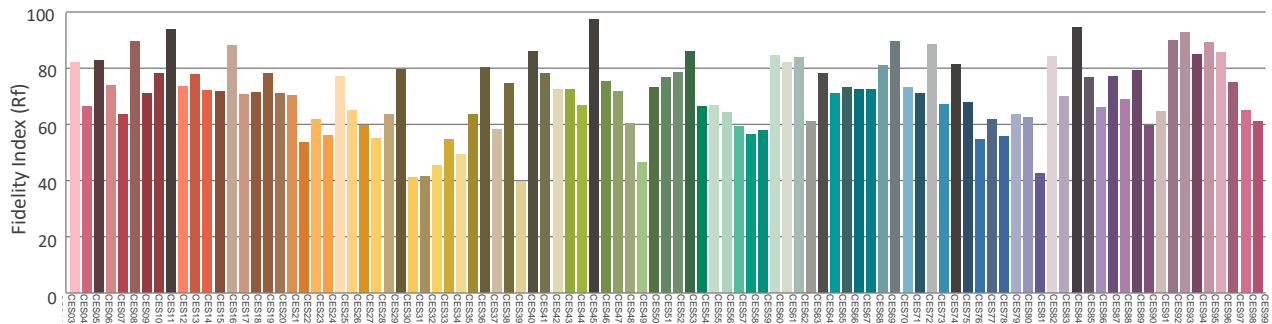
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - RGBW - Full Power

Report Summary

Measurements

Fixture Output: 688 lm
Fixture Peak: 143 cd
Fixture Efficacy: 28 lm/W
Intensity @ 5m: 6 lux
Color Temperature: 5600 K
CRI: 65.6 CRI R9 Value: 7.5
CQS: 79.6
TLCI: 75
TM-30 Rf: 70.9
TM-30 Rg: 93.5
Beam Angle (50%): 143.9°
Field Angle (10%): 221.6°
Cutoff Angle (3%): 267.8°



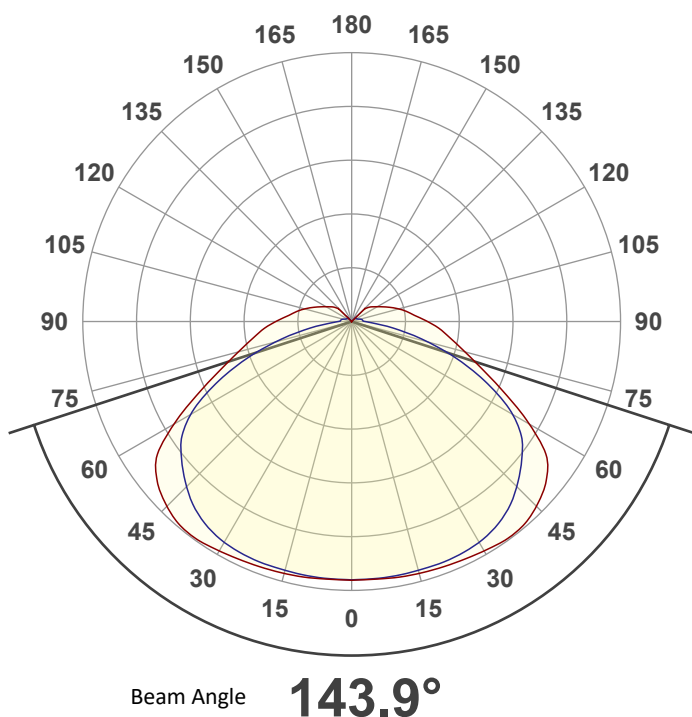
Conditions

AC Supply: 118 V, 60 Hz
Power: 27.17 W
Current: 0.229 A
Power Factor: 0.92

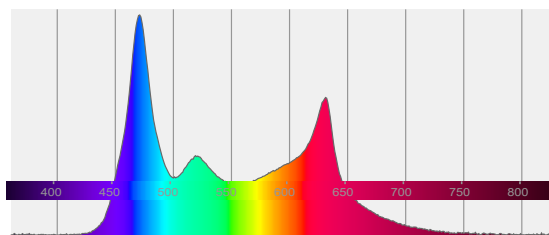
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Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.330

Y: 0.316



Light Quality

CRI: 65.6

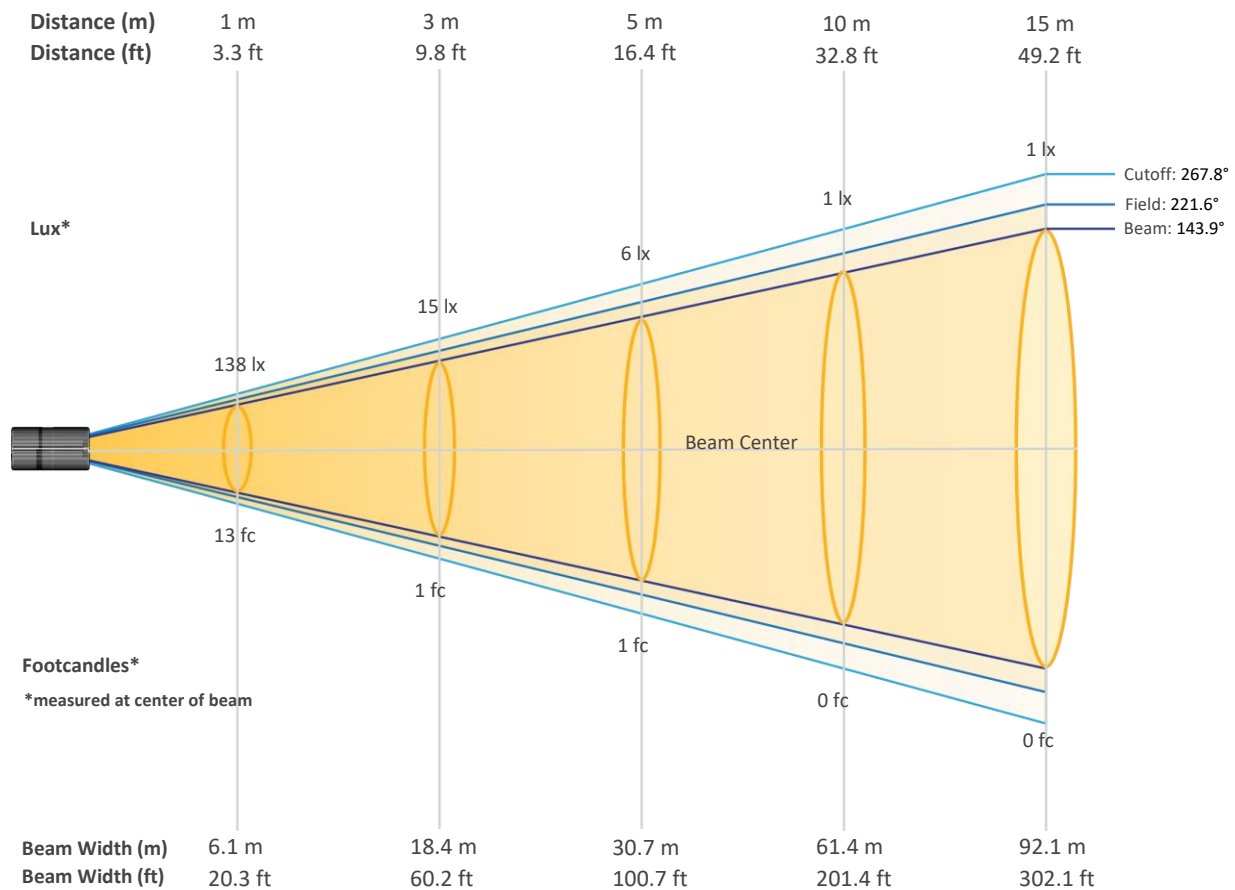
Color Temperature

5600 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - RGBW - Full Power

Beam Details

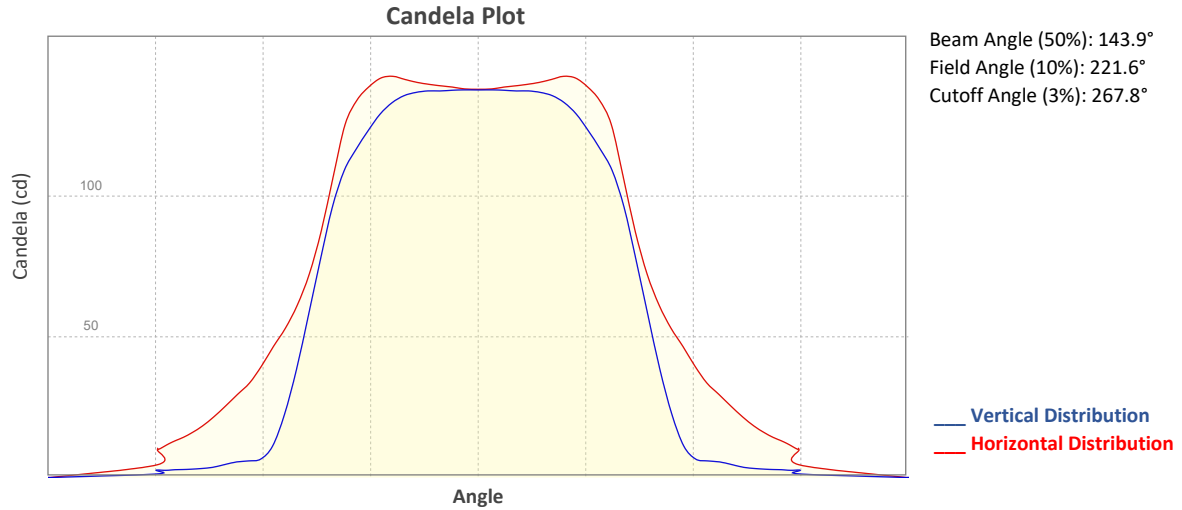


Beam Intensities from 1-20m (3.3-65.6ft)

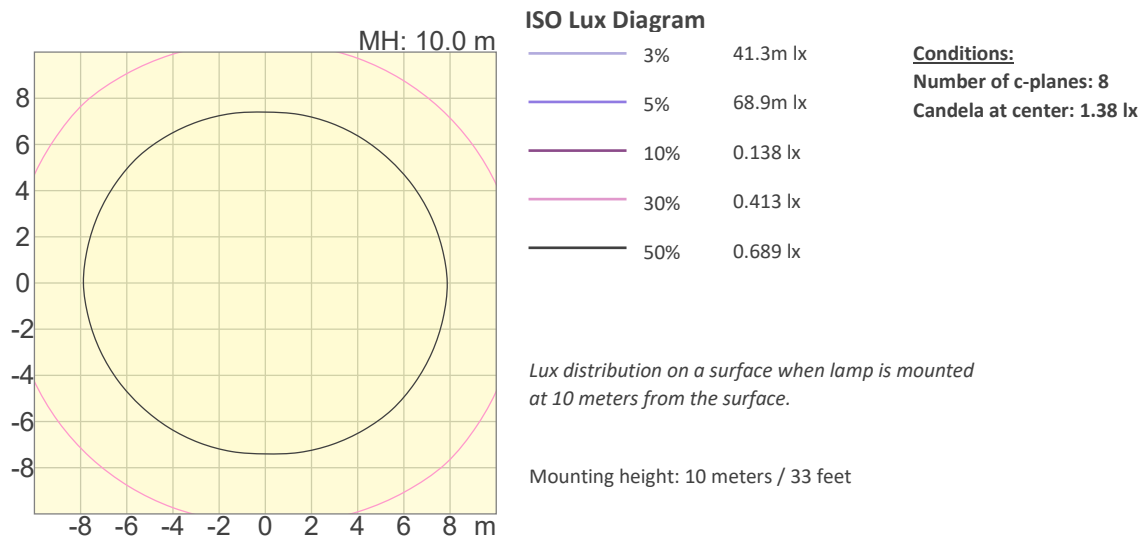
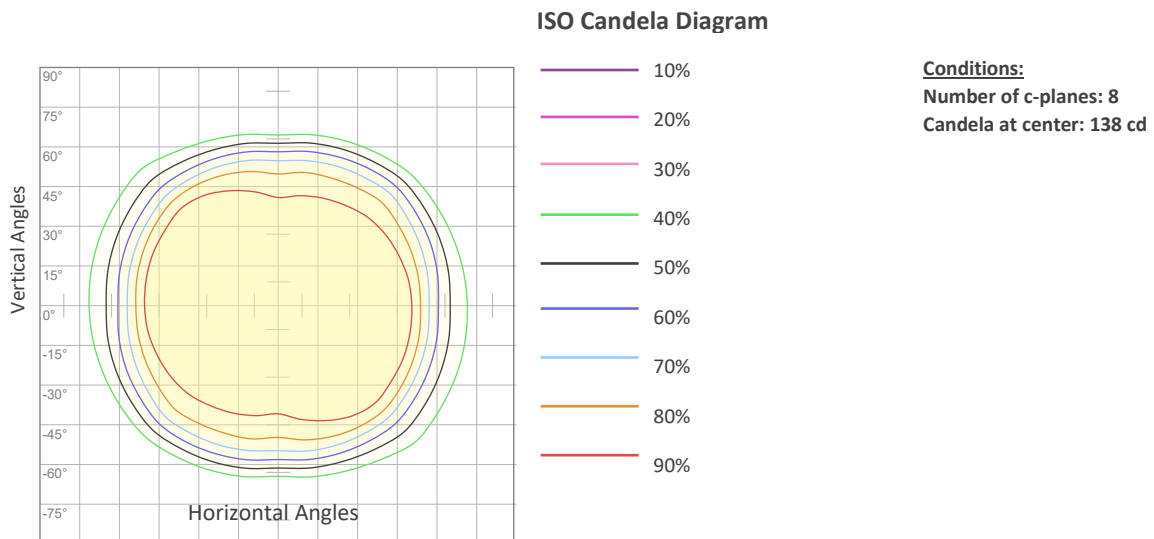
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	138	34	15	9	6	4	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	13	3	1	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - RGBW - Full Power



ISO Diagrams

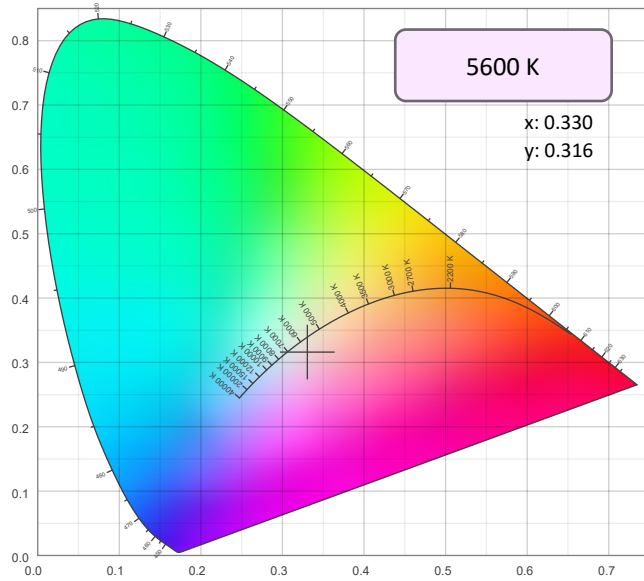


Photometric & Chromaticity Report

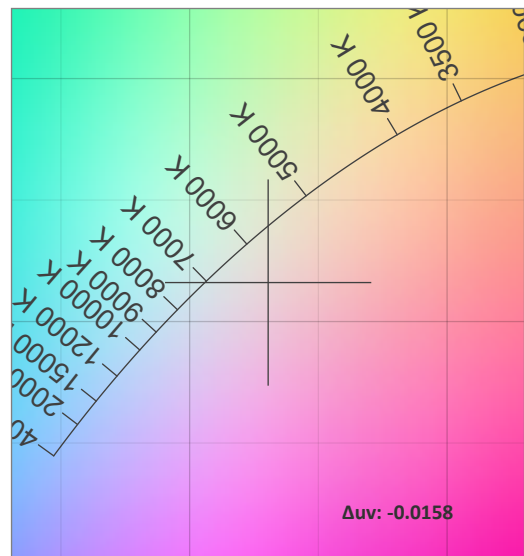
Logic Cove M: Very Wide Filter - RGBW - Full Power

Chromaticity

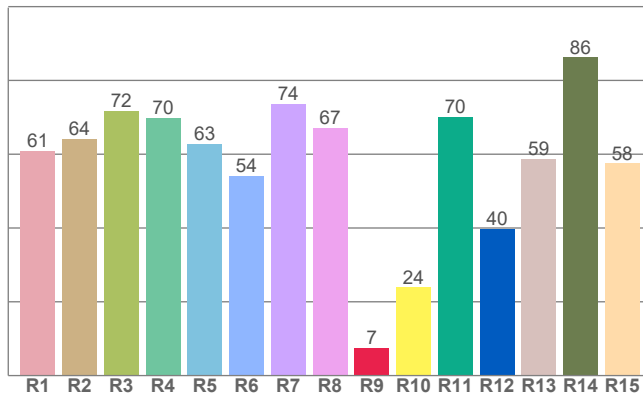
CIE 1931



CIE 1931 - Zoom



CRI: 65.6 (R1-R8)

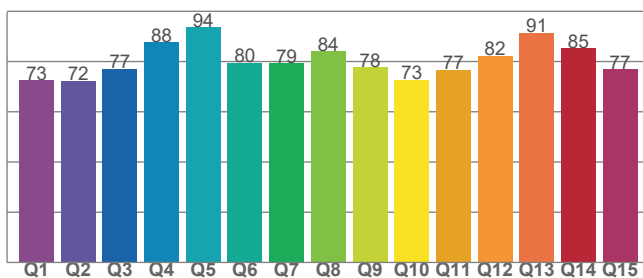


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5600 K	0.330	0.316

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0158	0.316	0.216

CQS: 79.6



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
65.6	7.5	79.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
75	70.9	93.5

Photometric & Chromaticity Report

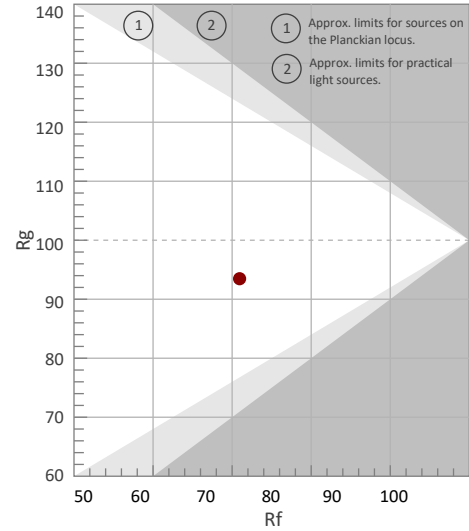
Logic Cove M: Very Wide Filter - RGBW - Full Power

TM-30 Details

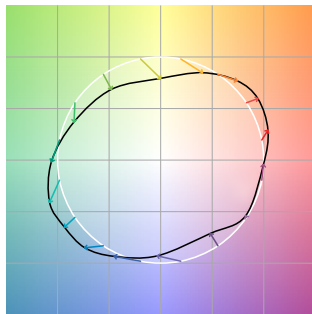
Rf 70.9
Fidelity Index (Rg)

Rg 93.5
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	8%	8%
2	80	12%	-3%
3	67	5%	-19%
4	61	-9%	-23%
5	62	-22%	-15%
6	75	-16%	2%
7	72	-10%	16%
8	63	4%	22%
9	74	14%	19%
10	78	14%	2%
11	69	12%	-14%
12	63	0%	-26%
13	73	-10%	-21%
14	75	-14%	1%
15	80	-1%	1%
16	74	-1%	15%



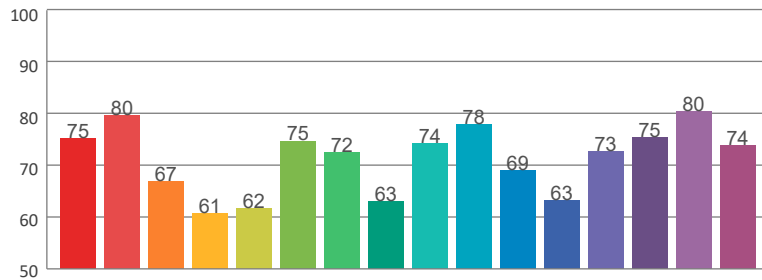
Color Vector Graphic



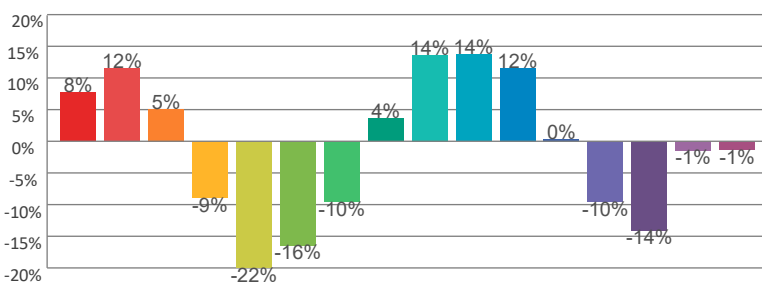
Color Distortion Graphic



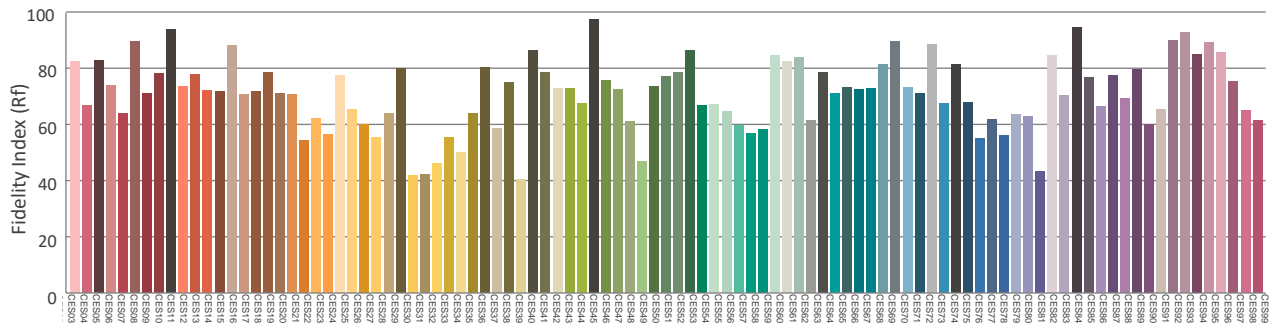
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Red Only

Report Summary

Measurements

Fixture Output: 277 lm

Fixture Peak: 55.5 cd

Fixture Efficacy: 12 lm/W

Intensity @ 5m: 2 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 147.1°

Field Angle (10%): 225.8°

Cutoff Angle (3%): 282.6°

Conditions

AC Supply: 118 V, 60 Hz

Power: 25.0 W

Current: 0.211 A

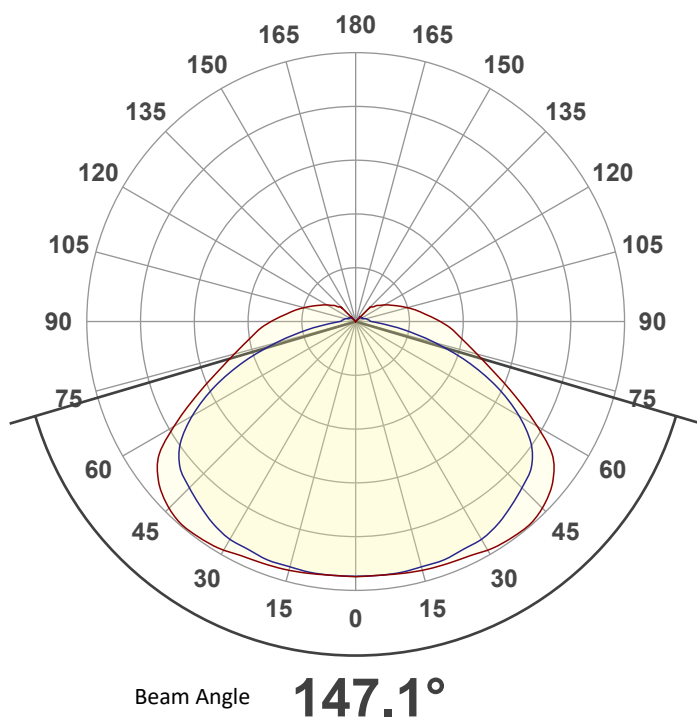
Power Factor: 0.91



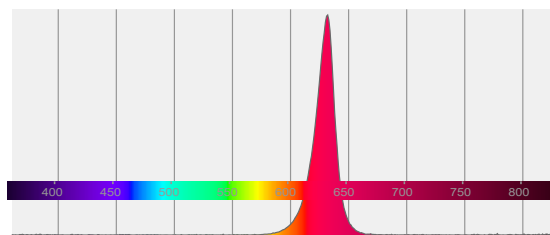
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.690

Y: 0.306



Light Quality

CRI: 0.0

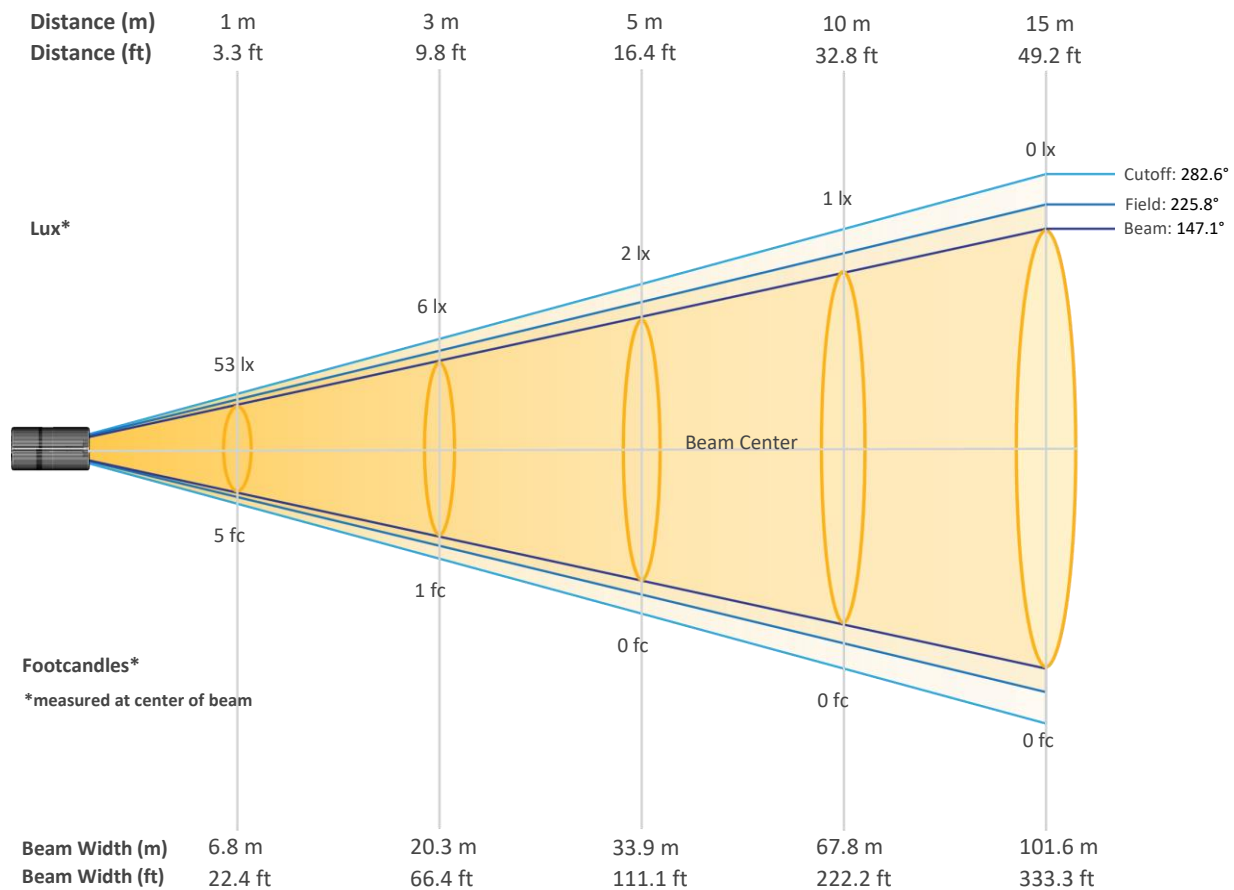
Color Temperature

0 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Red Only

Beam Details

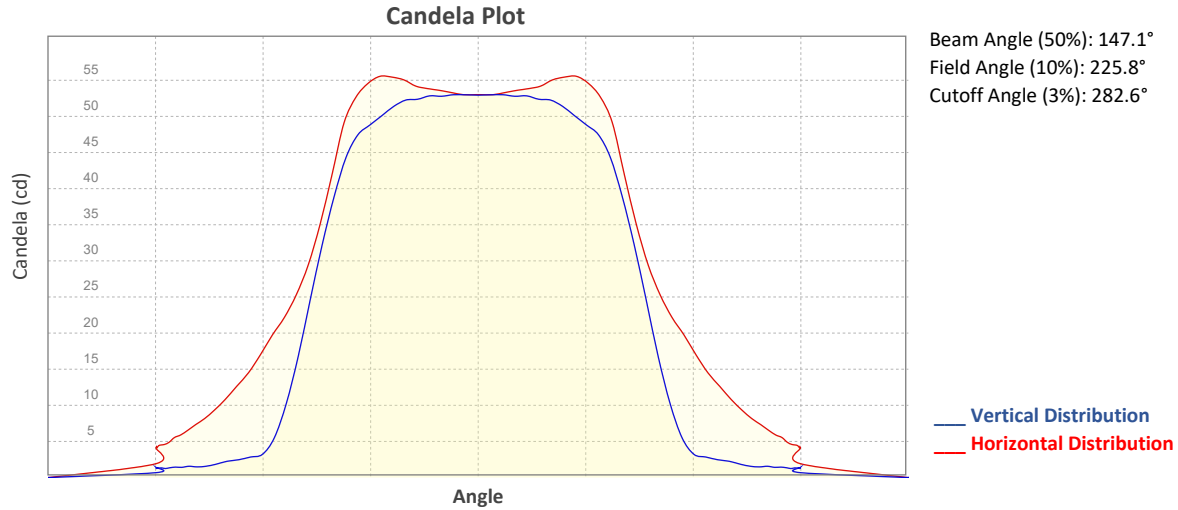


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	53	13	6	3	2	1	1	1	1	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	0	0	0	0	0	0	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	5	1	1	0	0	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

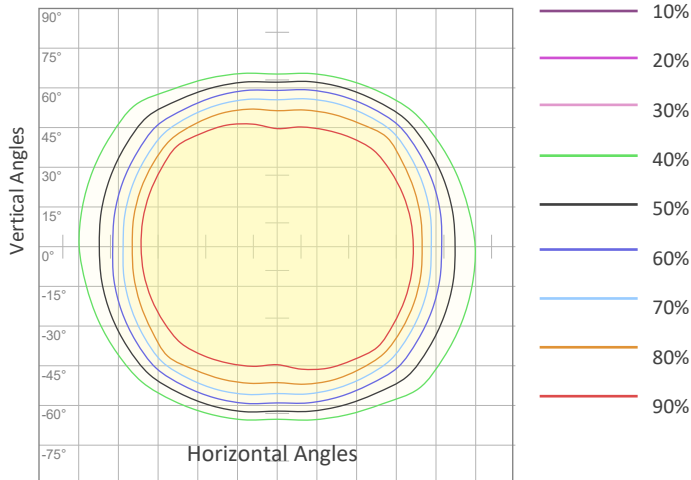
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Red Only



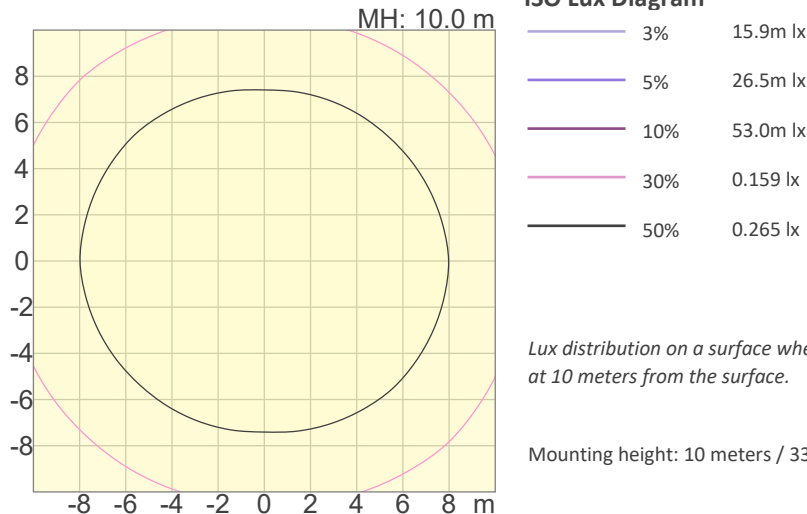
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 53 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 0.530 lx

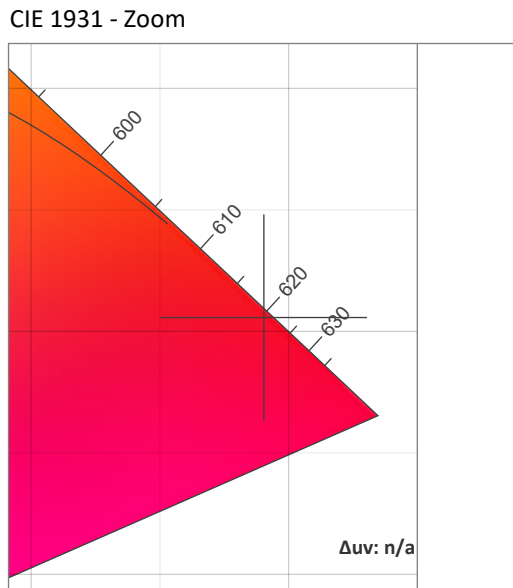
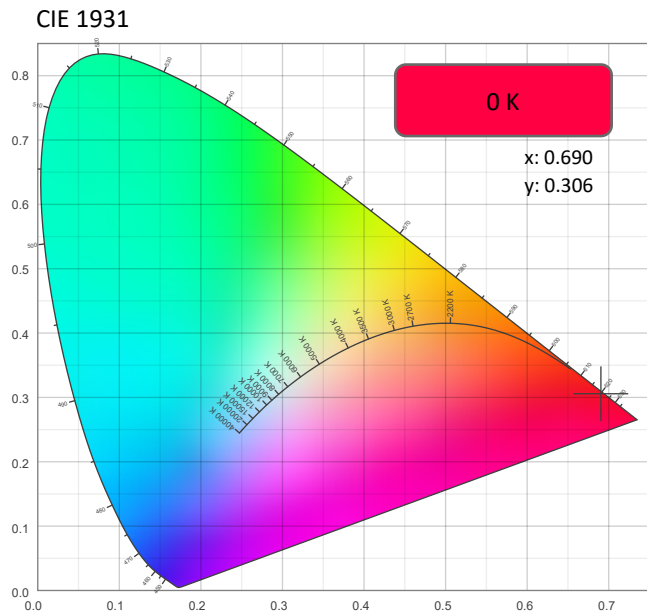
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Red 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

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	0.690	0.306

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.306	0.522

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

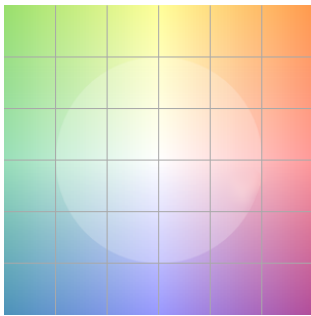
Logic Cove M: Very Wide Filter - Red Only

TM-30 Details

Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

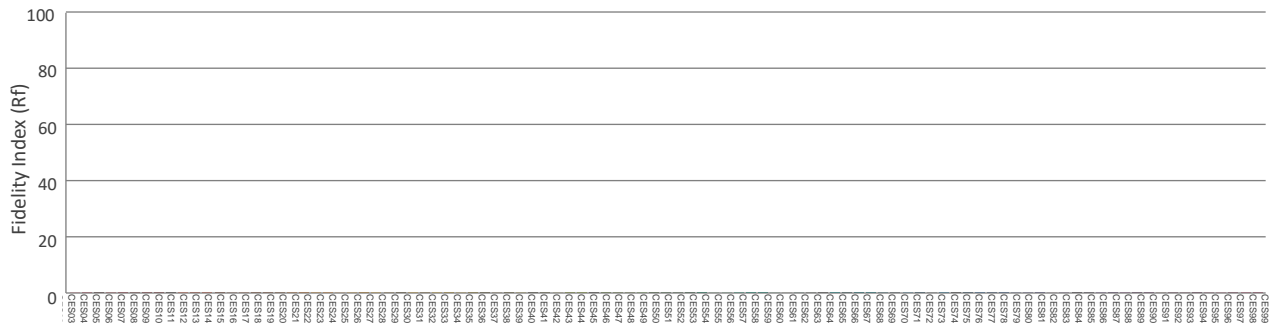
Color Vector Graphic



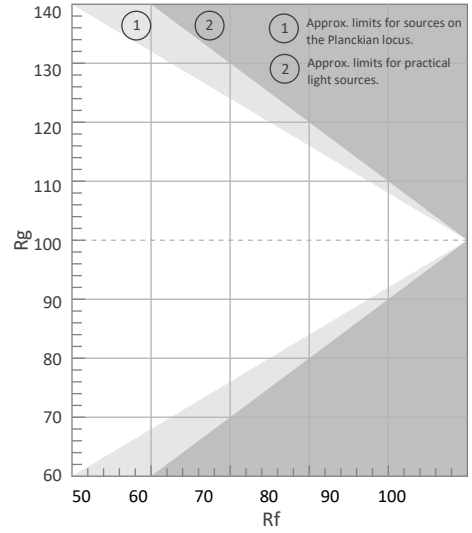
Color Distortion Graphic



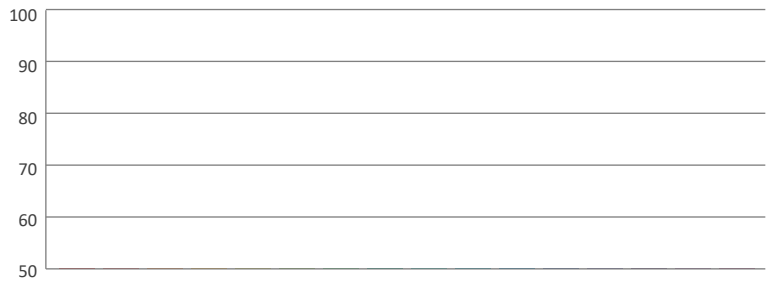
Color Evaluation Sample



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



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Green Only

Report Summary

Measurements

Fixture Output: 580 lm

Fixture Peak: 117 cd

Fixture Efficacy: 25 lm/W

Intensity @ 5m: 4 lux

Color Temperature: 0 K

CRI: 0.0 CRI R9 Value: 0.0

CQS: 0.0

TLCl: n/a

TM-30 Rf: 0.0

TM-30 Rg: 0.0

Beam Angle (50%): 147.8°

Field Angle (10%): 224°

Cutoff Angle (3%): 270.6°

Conditions

AC Supply: 118 V, 60 Hz

Power: 25.58 W

Current: 0.216 A

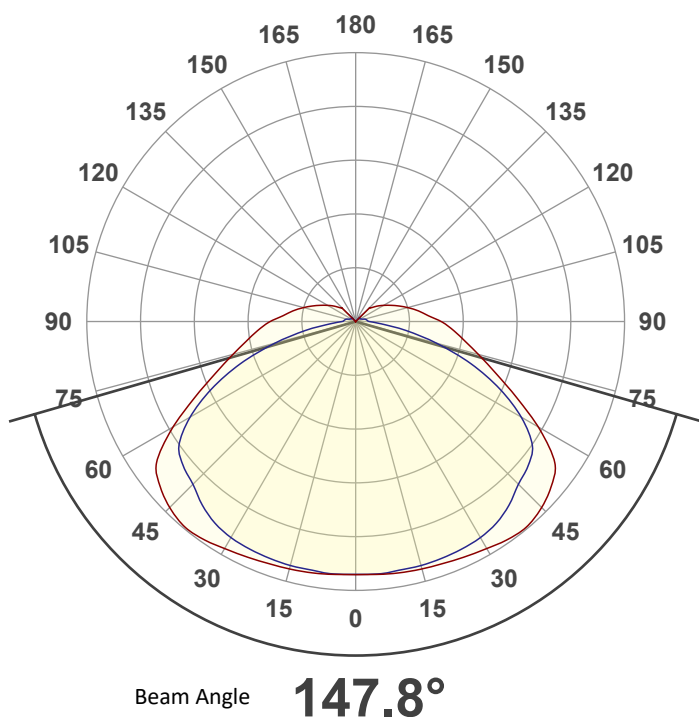
Power Factor: 0.91



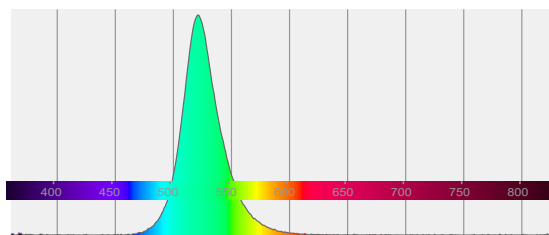
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.176

Y: 0.726



Light Quality

CRI: 0.0

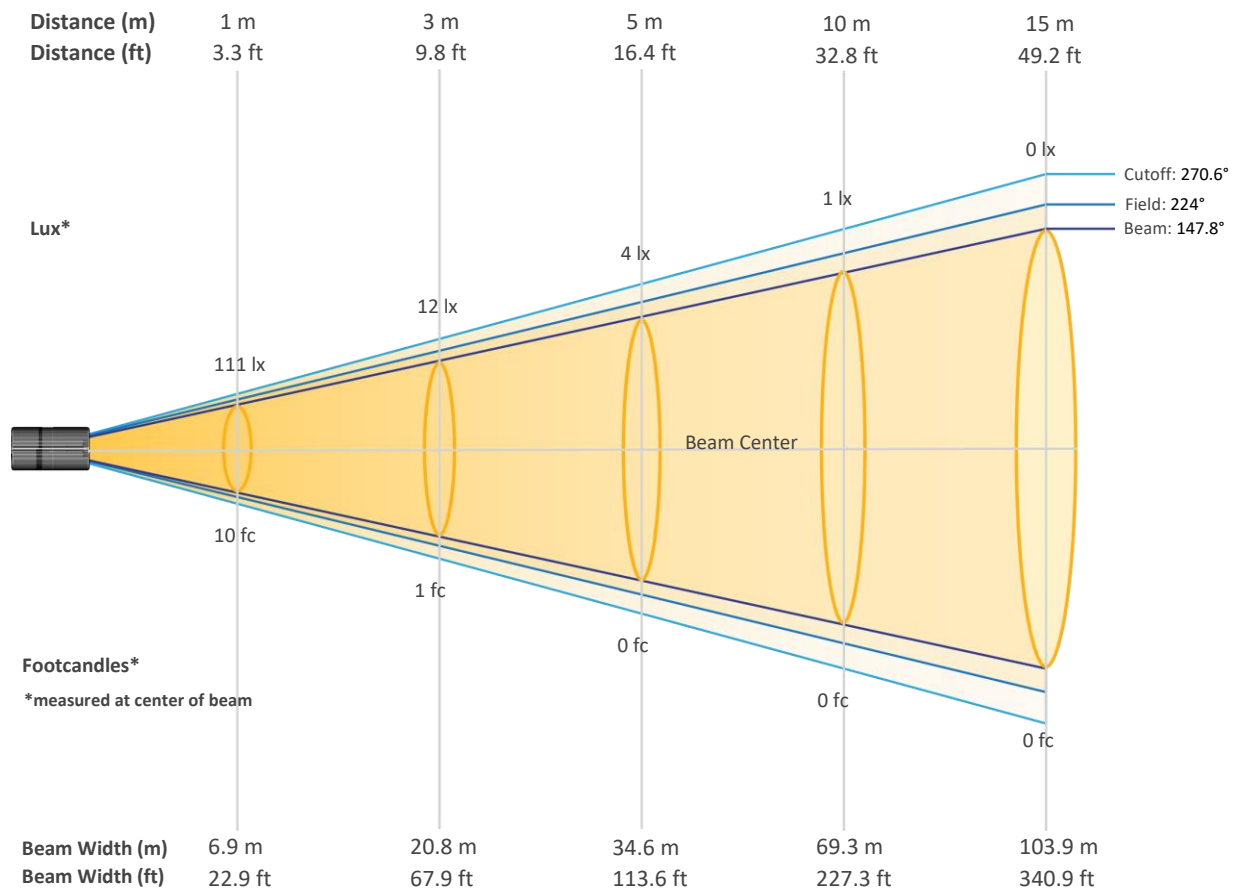
Color Temperature

0 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Green Only

Beam Details

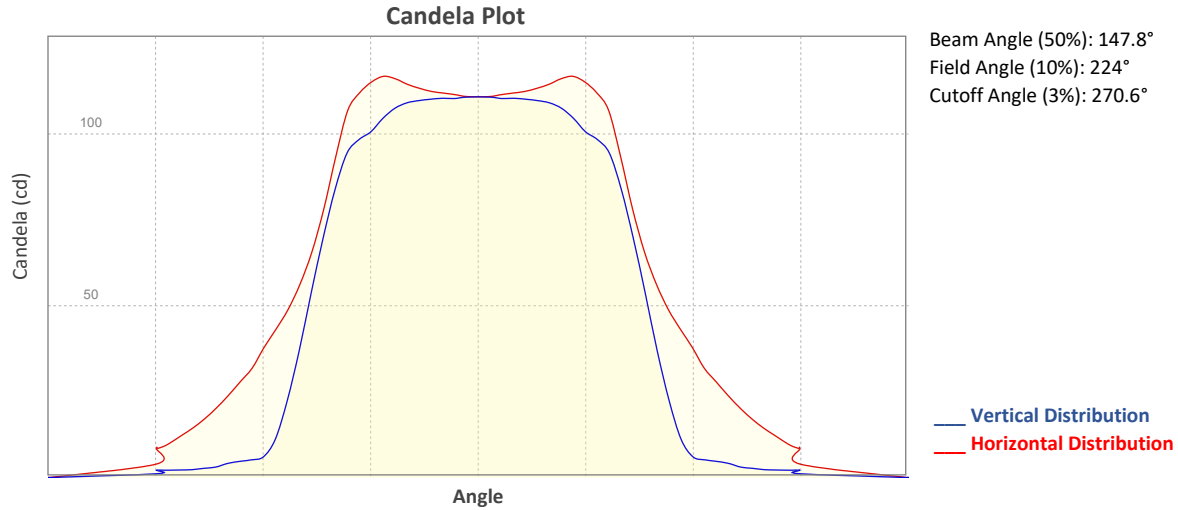


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	111	28	12	7	4	3	2	2	1	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	0	0	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	10	3	1	1	0	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

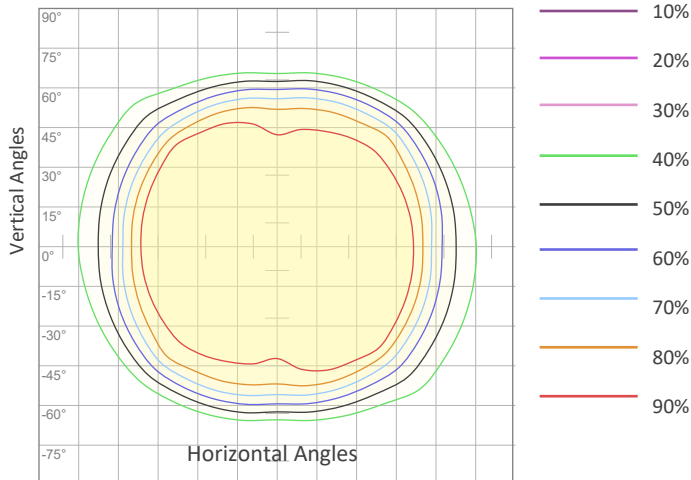
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Green Only



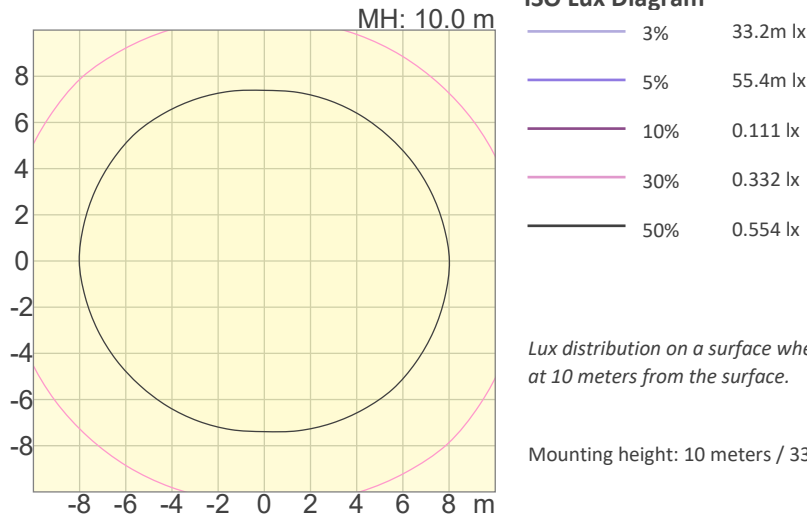
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 111 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.11 lx

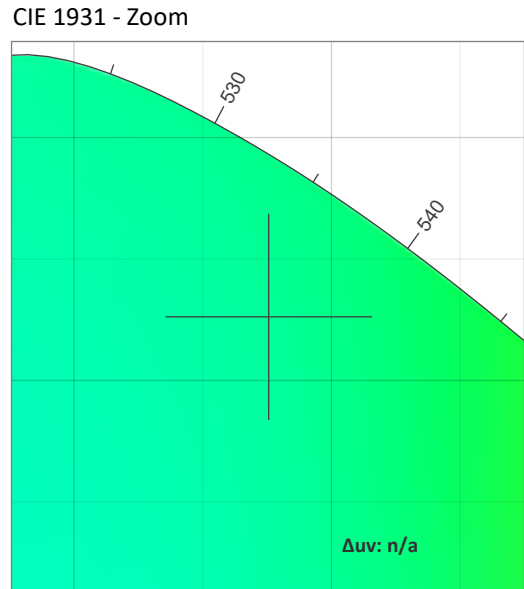
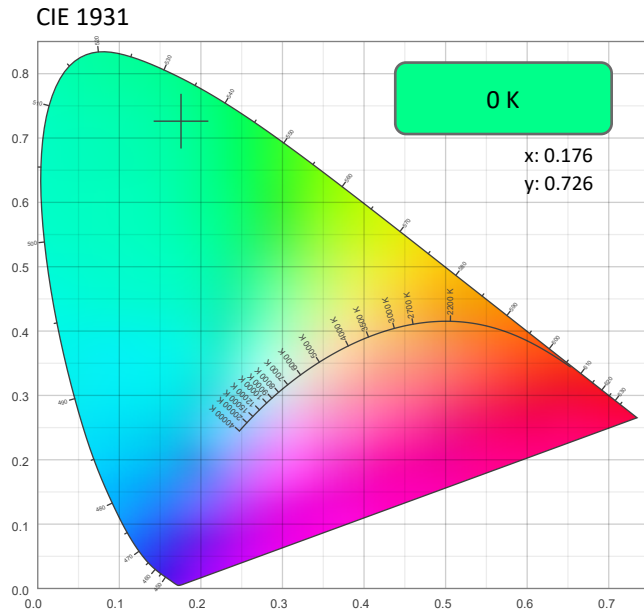
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Green 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

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	0.176	0.726

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.726	0.062

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

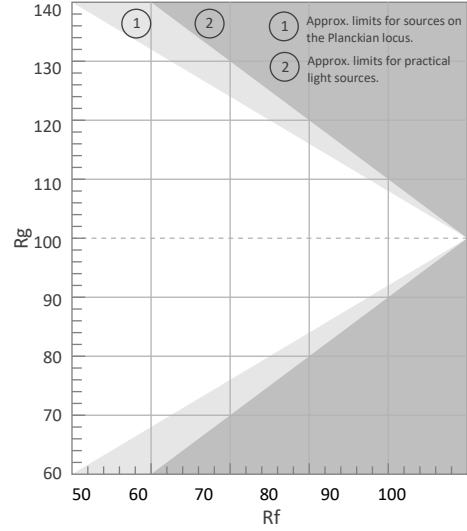
Logic Cove M: Very Wide Filter - Green Only

TM-30 Details

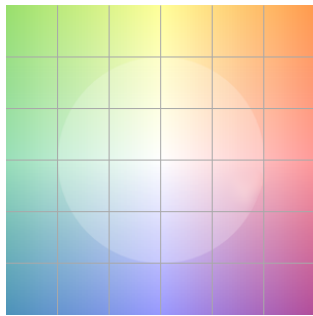
Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

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%



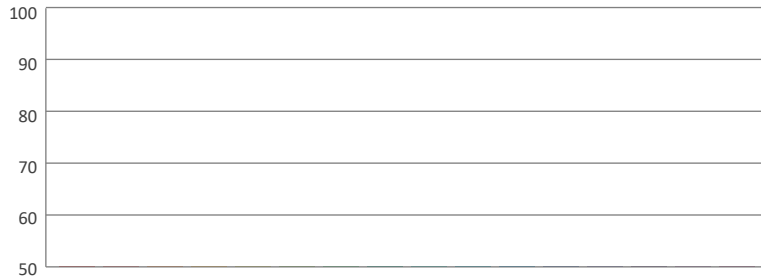
Color Vector Graphic



Color Distortion Graphic



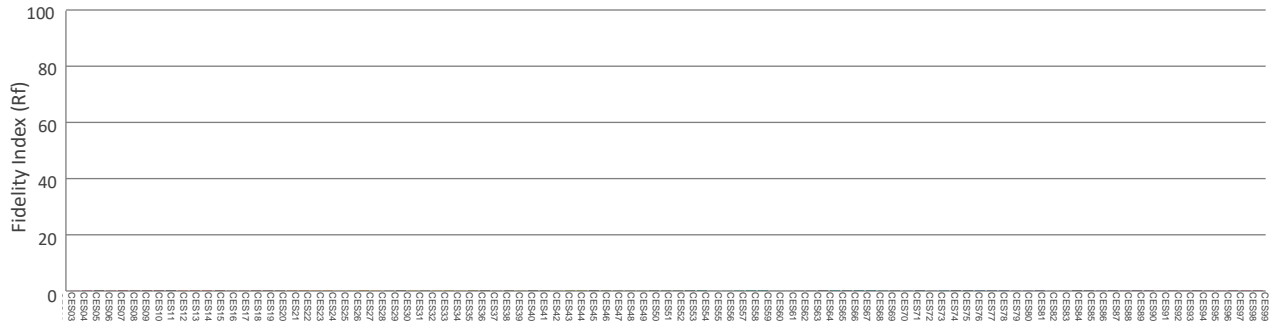
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Blue Only

Report Summary

Measurements

Fixture Output: 216 lm
Fixture Peak: 43.6 cd
Fixture Efficacy: 9 lm/W
Intensity @ 5m: 2 lux
Color Temperature: 0 K
CRI: 0.0 CRI R9 Value: 0.0
CQS: 0.0
TLCl: n/a
TM-30 Rf: 0.0
TM-30 Rg: 0.0
Beam Angle (50%): 146.2°
Field Angle (10%): 225.3°
Cutoff Angle (3%): 283.2°

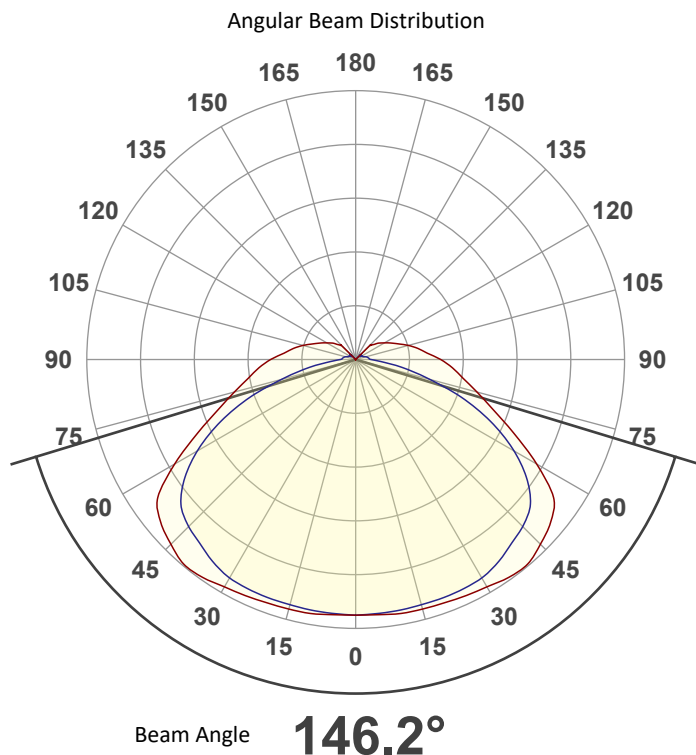
Conditions

AC Supply: 119 V, 60 Hz
Power: 25.99 W
Current: 0.219 A
Power Factor: 0.91

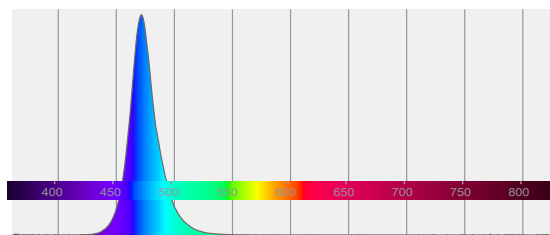


This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement



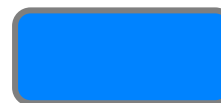
Spectral Distribution



Tested Color (CIE 1931):

X: 0.119

Y: 0.099



Light Quality

CRI: 0.0

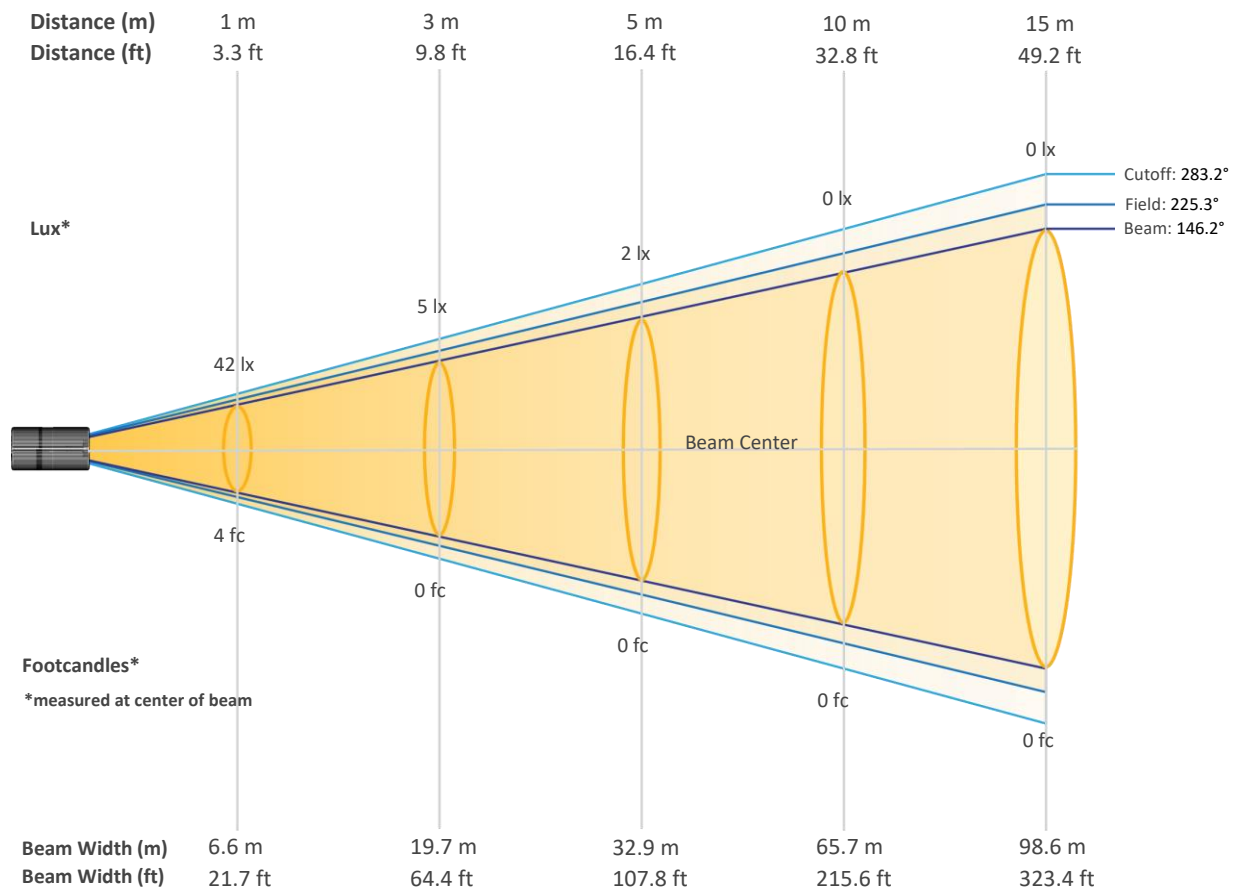
Color Temperature

0 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Blue Only

Beam Details

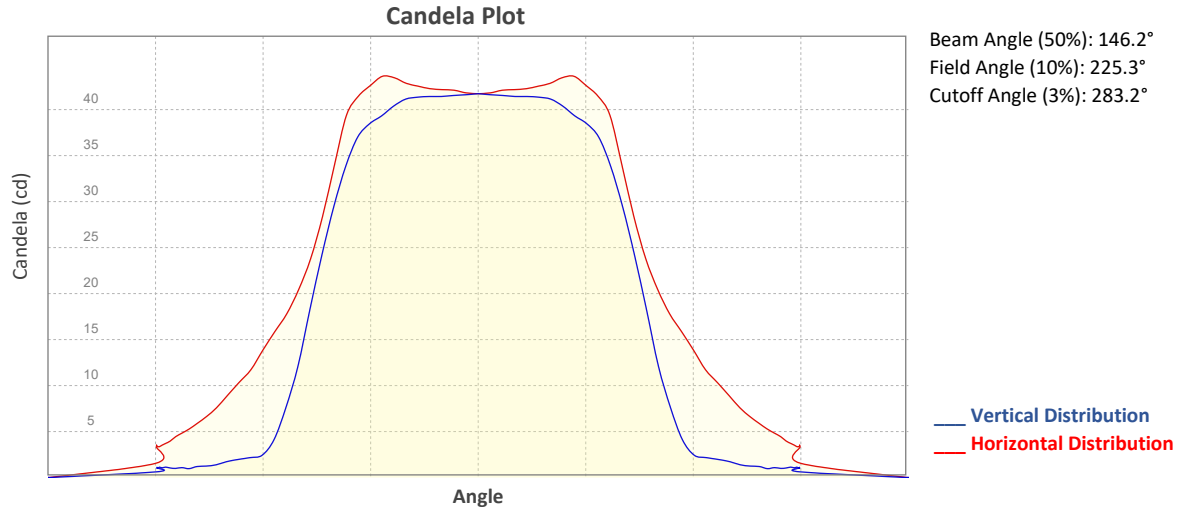


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	42	10	5	3	2	1	1	1	1	0
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	0	0	0	0	0	0	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	4	1	0	0	0	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

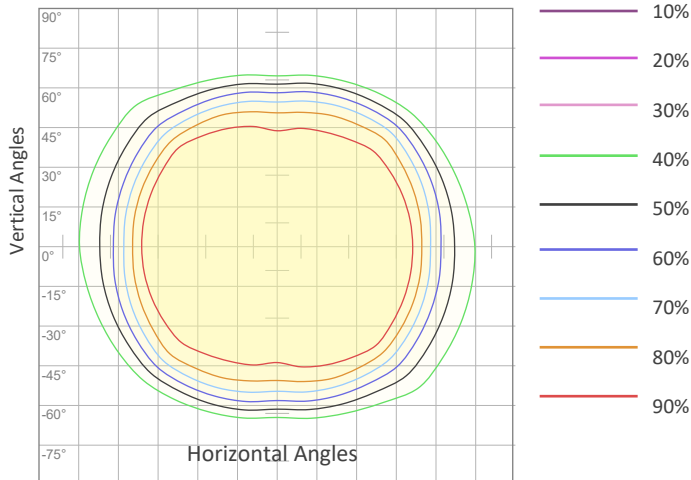
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Blue Only



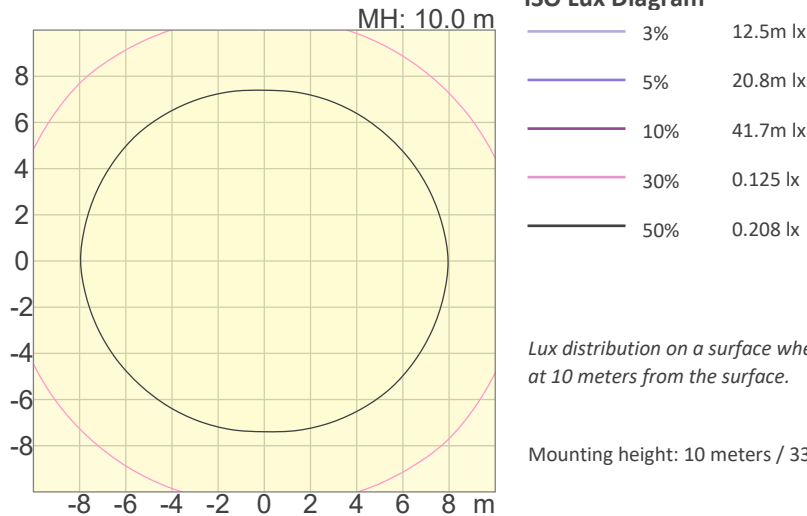
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 42 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 0.417 lx

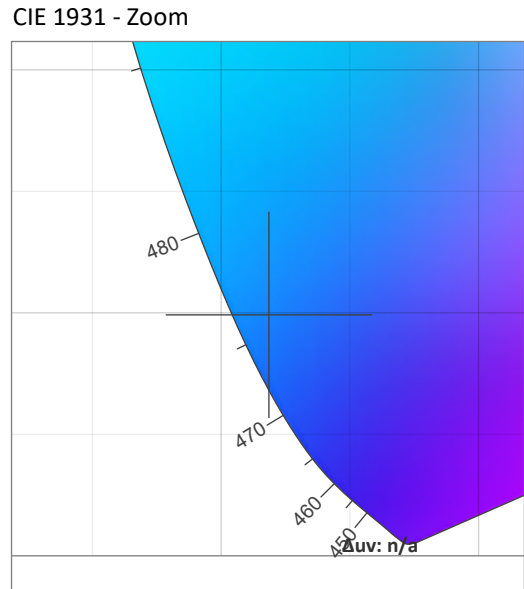
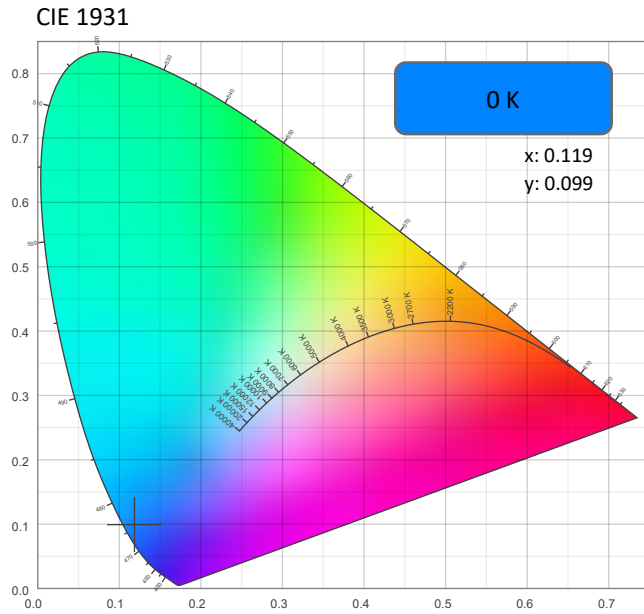
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 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

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	0.119	0.099

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
n/a	0.099	0.120

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

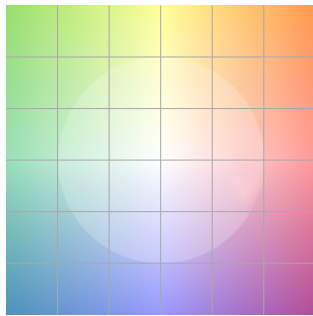
Logic Cove M: Very Wide Filter - Blue Only

TM-30 Details

Rf 0.0
Fidelity Index (Rg)

Rg 0.0
Gammut Index (Rg)

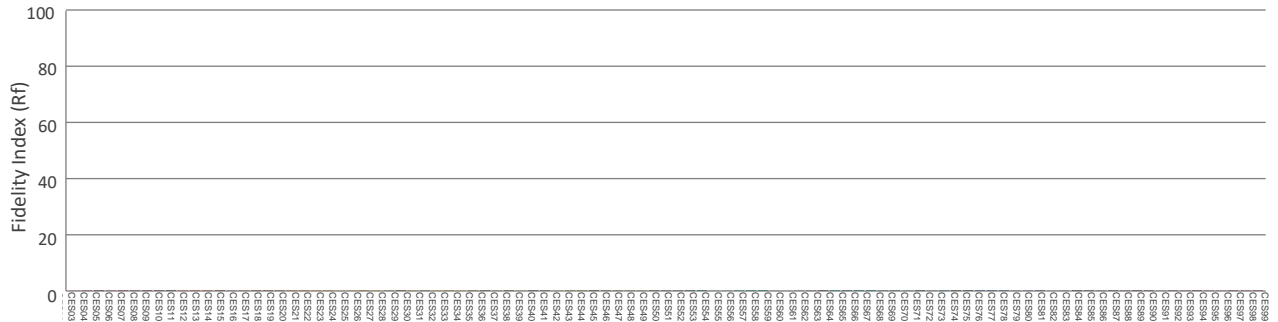
Color Vector Graphic



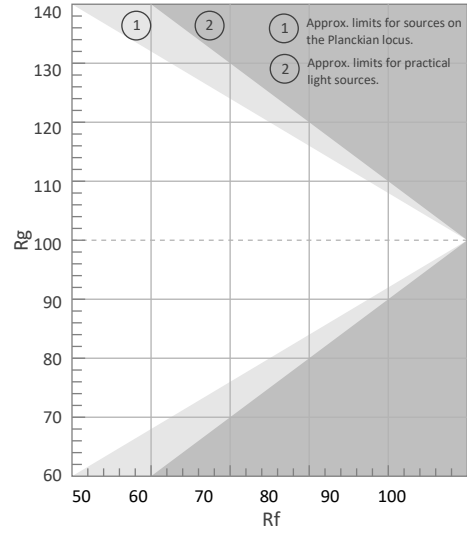
Color Distortion Graphic



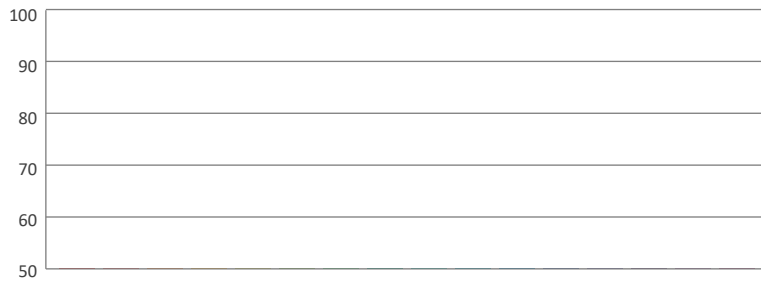
Color Evaluation Sample



		Graphic shifts (%)	
Hue Bin	R _f	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



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Warm White Only

Report Summary

Measurements

Fixture Output: 917 lm
Fixture Peak: 192 cd
Fixture Efficacy: 39 lm/W
Intensity @ 5m: 7 lux
Color Temperature: 3061 K
CRI: 83.6 CRI R9 Value: 10.4
CQS: 82.7
TLCI: 71
TM-30 Rf: 85.0
TM-30 Rg: 94.6
Beam Angle (50%): 142.5°
Field Angle (10%): 219°
Cutoff Angle (3%): 267.3°



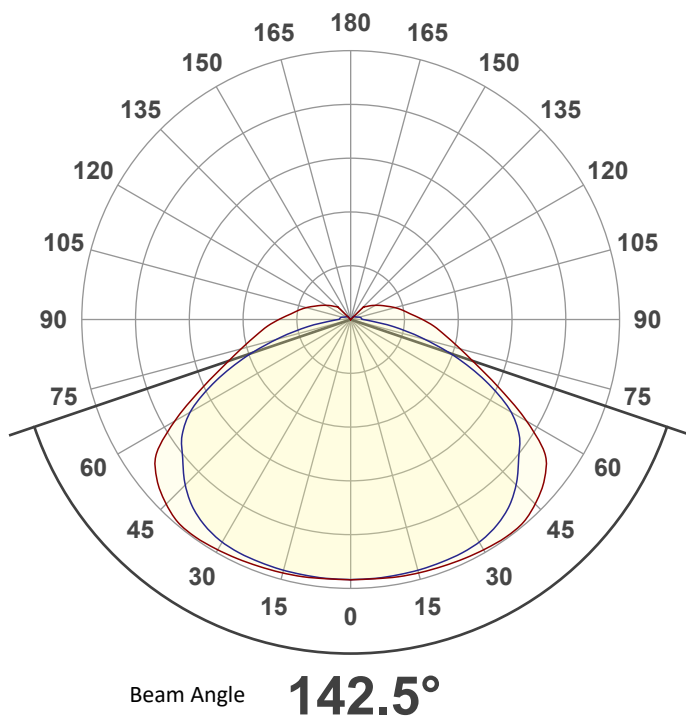
Conditions

AC Supply: 119 V, 60 Hz
Power: 26.01 W
Current: 0.219 A
Power Factor: 0.91

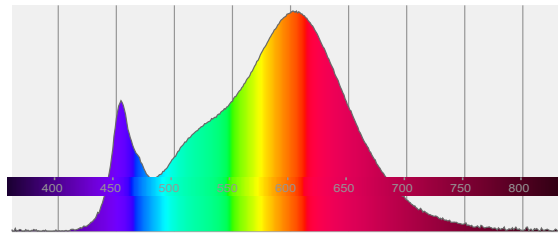
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.431

Y: 0.399



Light Quality

CRI: 83.6

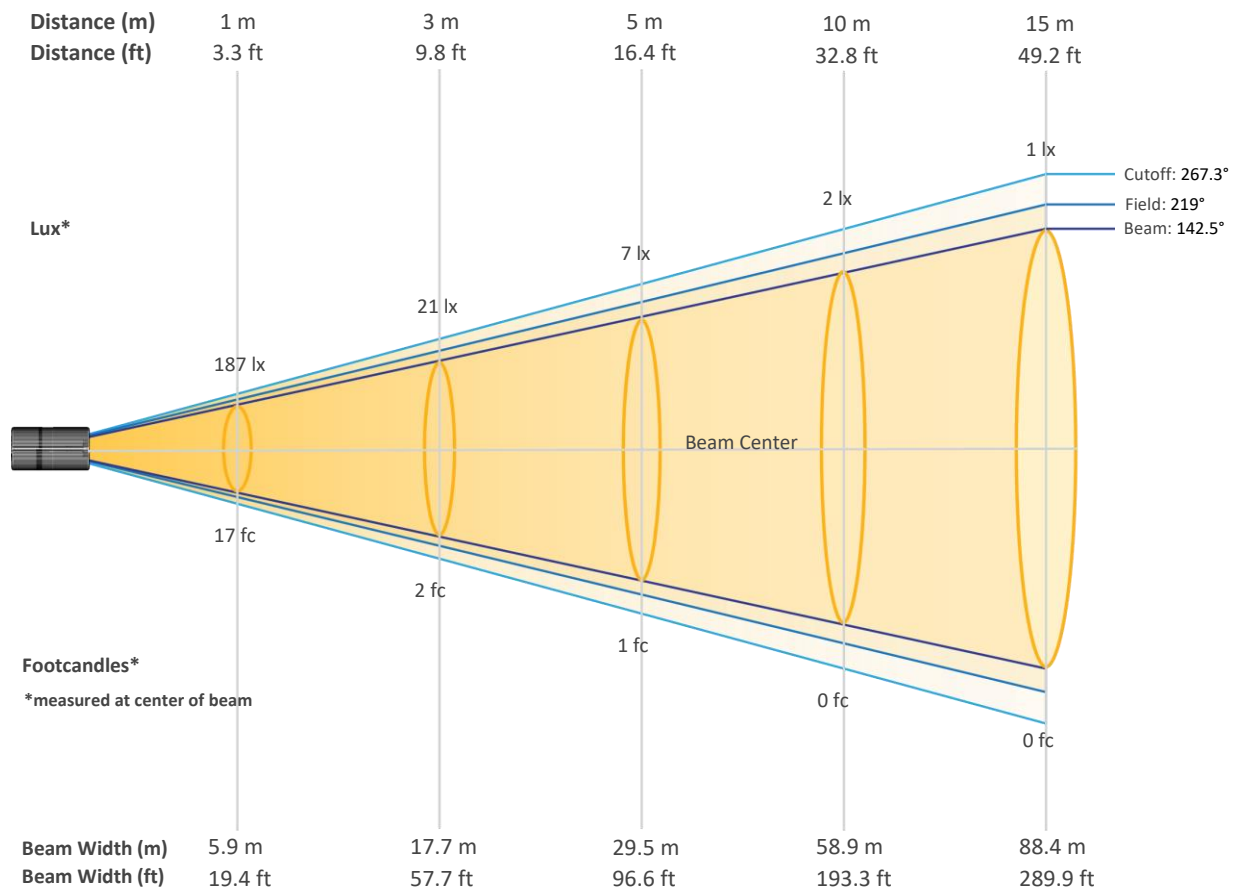
Color Temperature

3061 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Warm White Only

Beam Details

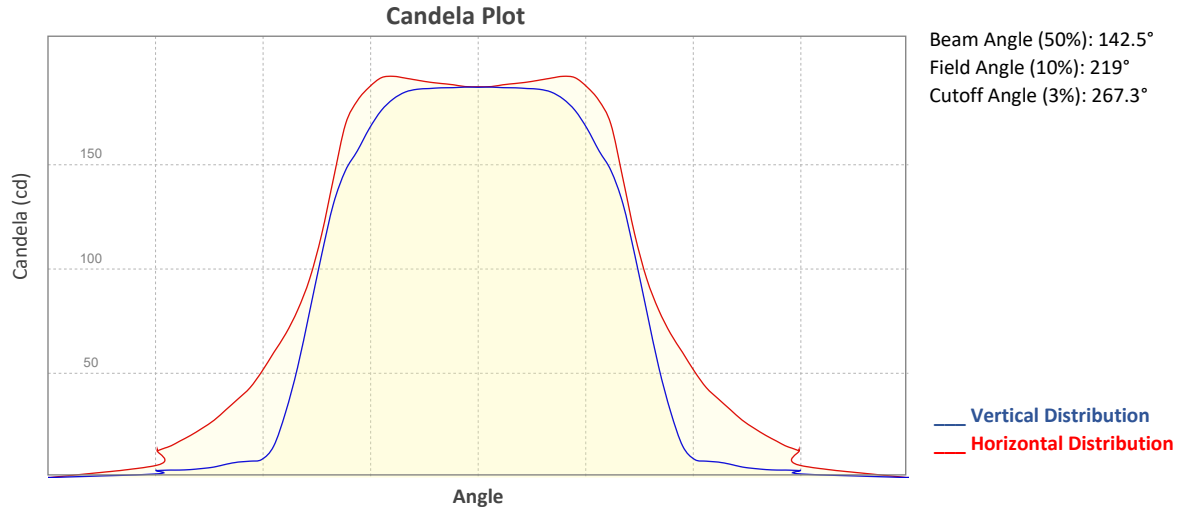


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	187	47	21	12	7	5	4	3	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2	1	1	1	1	1	1	1	1	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

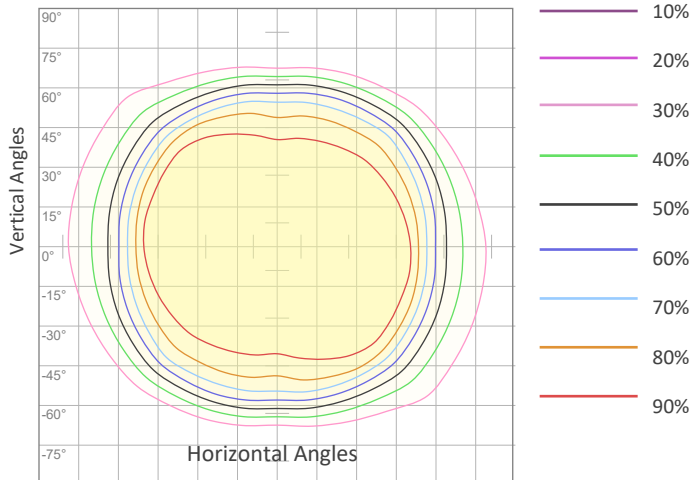
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - Warm White Only



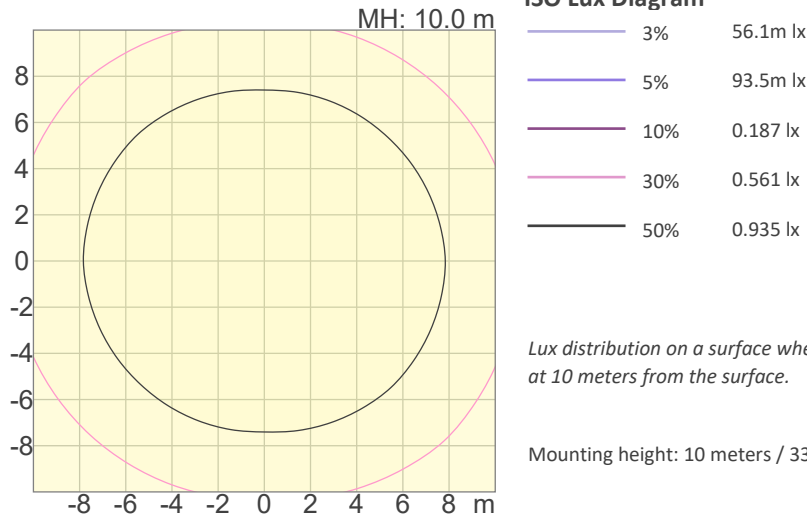
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 187 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.87 lx

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

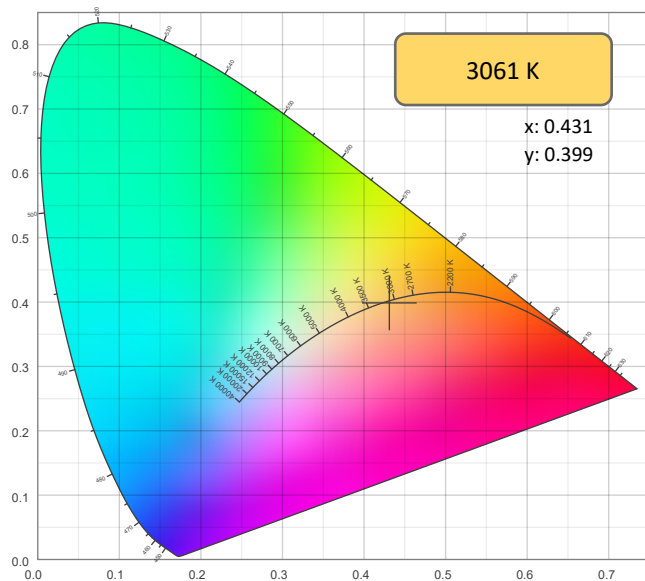
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

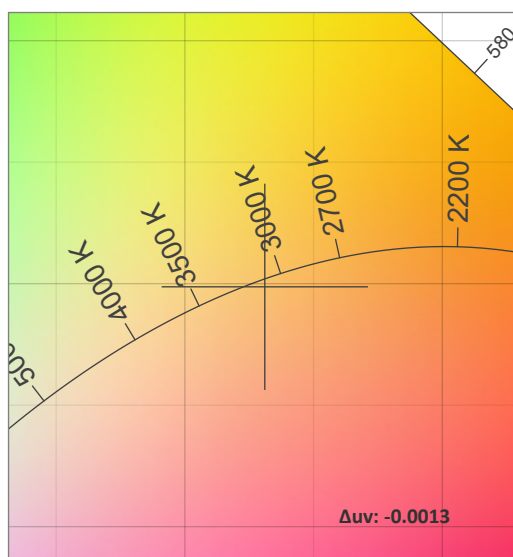
Logic Cove M: Very Wide Filter - Warm White Only

Chromaticity

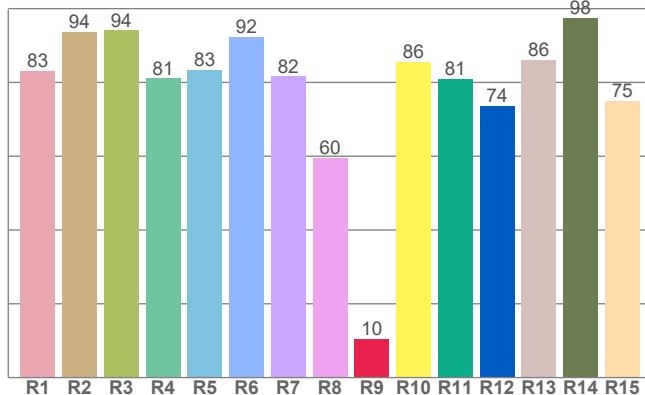
CIE 1931



CIE 1931 - Zoom



CRI: 83.6 (R1-R8)

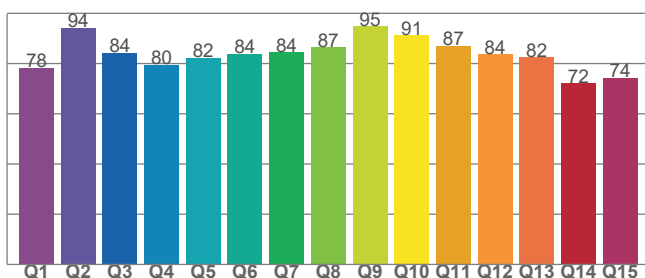


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3061 K	0.431	0.399

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0013	0.399	0.249

CQS: 82.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.6	10.4	82.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
71	85.0	94.6

Photometric & Chromaticity Report

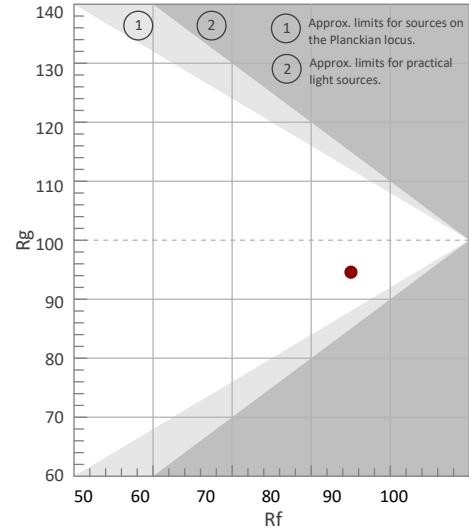
Logic Cove M: Very Wide Filter - Warm White Only

TM-30 Details

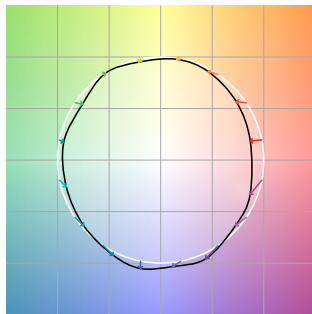
Rf 85.0
Fidelity Index (Rg)

Rg 94.6
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	82	-8%	6%
3	81	-3%	9%
4	92	-1%	4%
5	92	-3%	2%
6	94	0%	-2%
7	87	-7%	-3%
8	92	-4%	1%
9	87	-5%	7%
10	80	-3%	11%
11	82	2%	13%
12	86	7%	1%
13	87	4%	-9%
14	79	4%	-17%
15	79	-4%	-12%
16	77	-8%	-16%



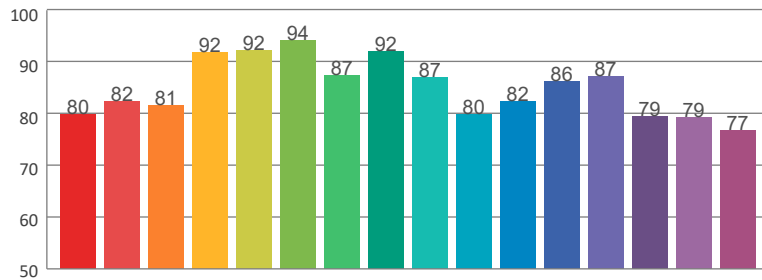
Color Vector Graphic



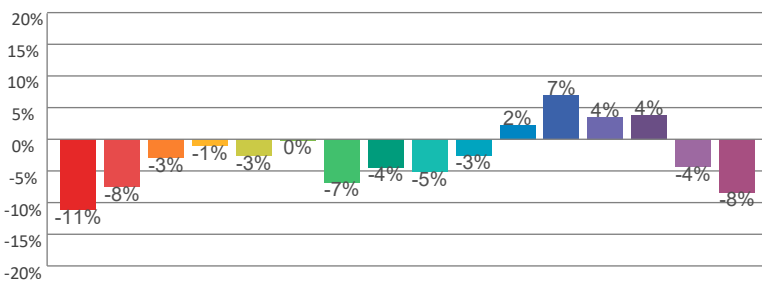
Color Distortion Graphic



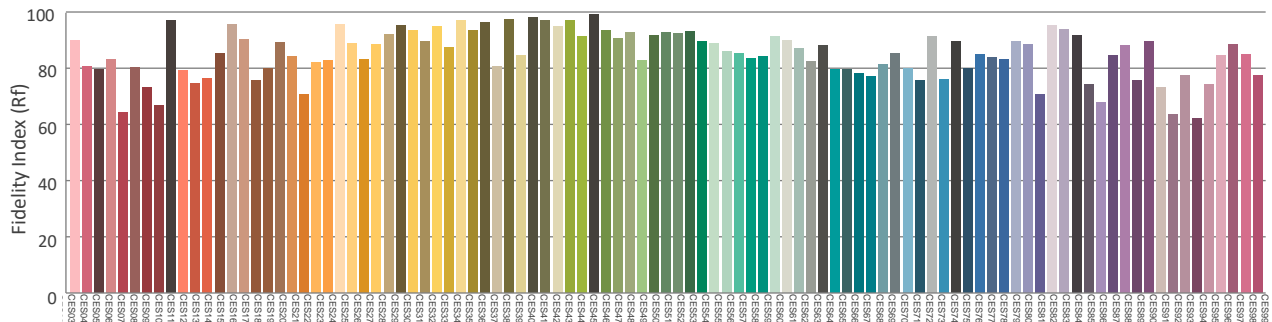
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 1800K

Report Summary

Measurements

Fixture Output: 628 lm
Fixture Peak: 130 cd
Fixture Efficacy: 25 lm/W
Intensity @ 5m: 5 lux
Color Temperature: 1818 K
CRI: 72.5 CRI R9 Value: 70.1
CQS: 64.3
TLCI: 43
TM-30 Rf: 74.4
TM-30 Rg: 120.2
Beam Angle (50%): 144.2°
Field Angle (10%): 221.6°
Cutoff Angle (3%): 271.2°

Conditions

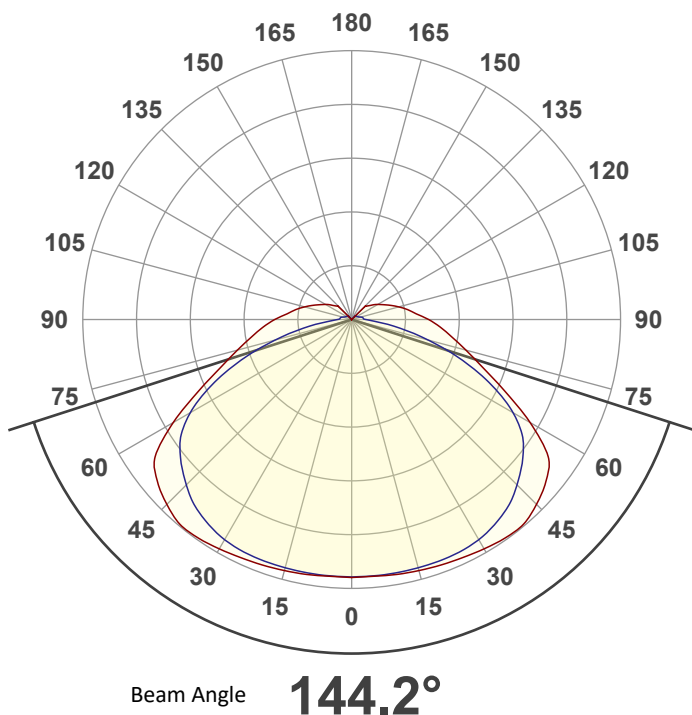
AC Supply: 118 V, 60 Hz
Power: 27.66 W
Current: 0.234 A
Power Factor: 0.92



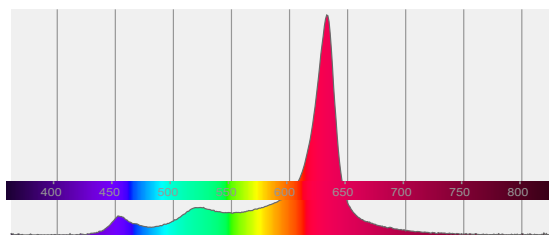
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.522

Y: 0.377



Light Quality

CRI: 72.5

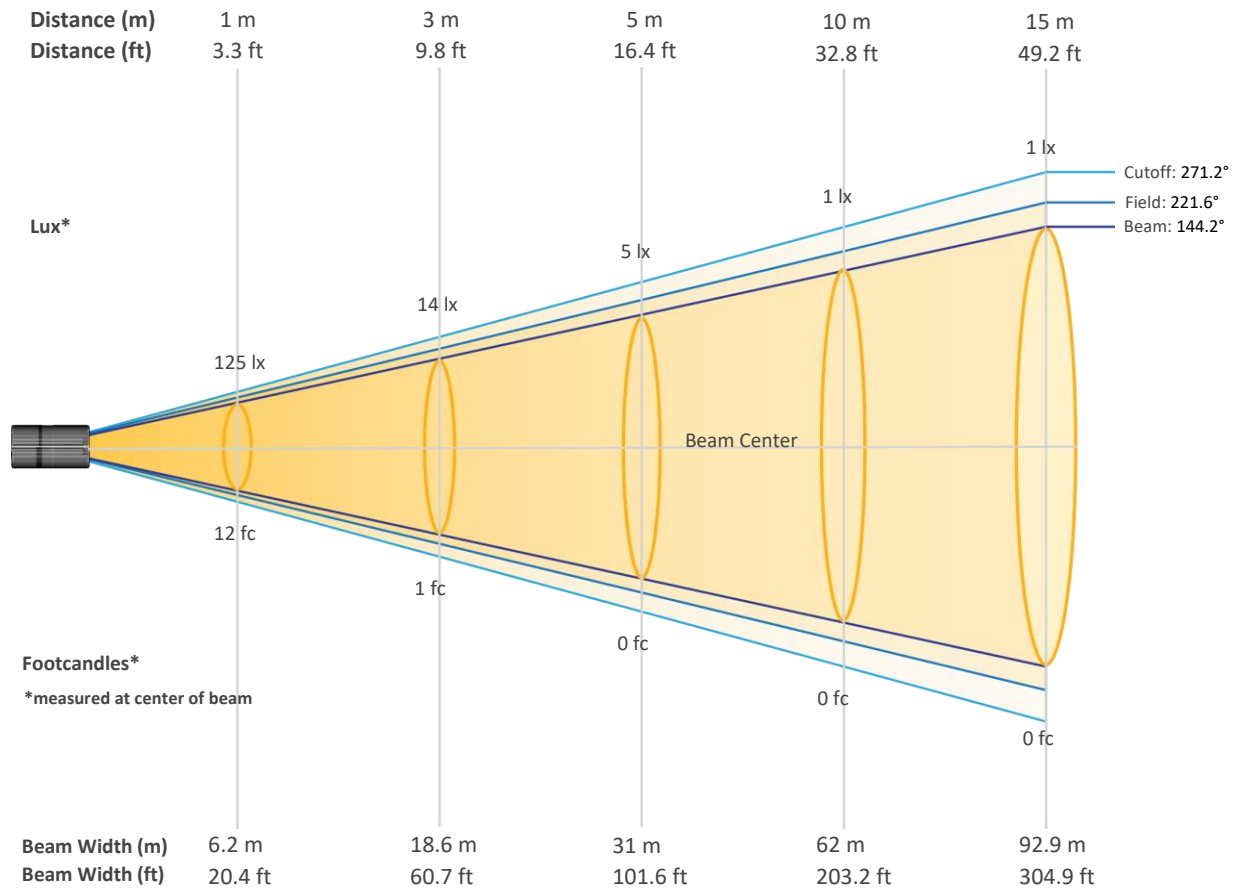
Color Temperature

1818 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 1800K

Beam Details

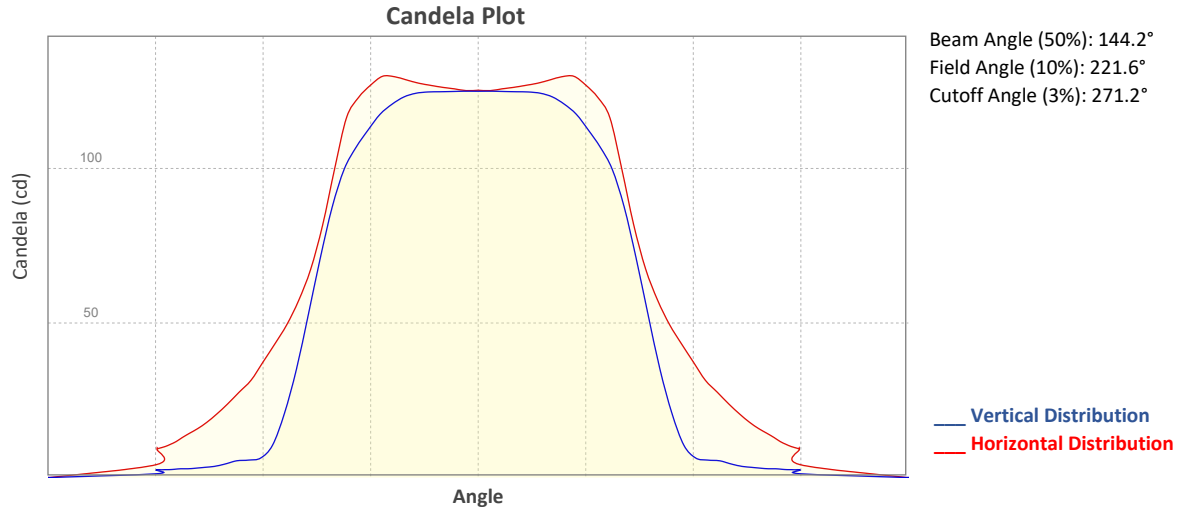


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	125	31	14	8	5	3	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	0	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	12	3	1	1	0	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

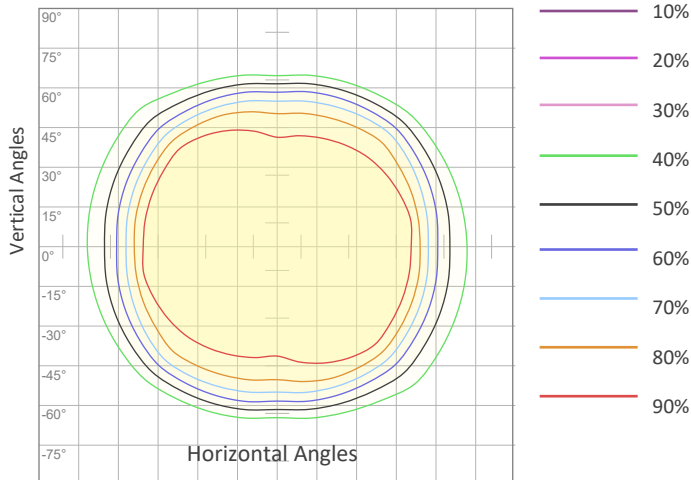
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 1800K



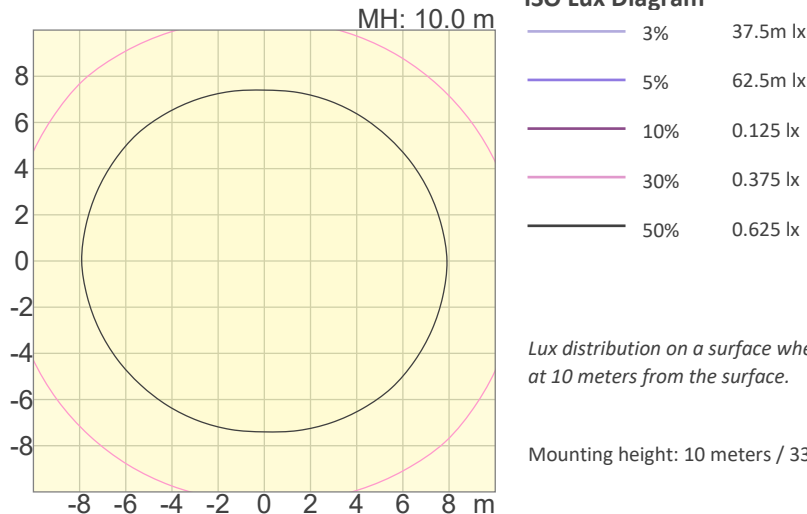
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 125 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.25 lx

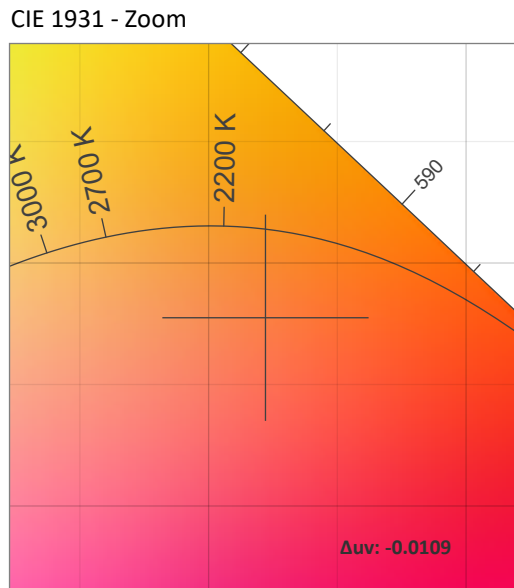
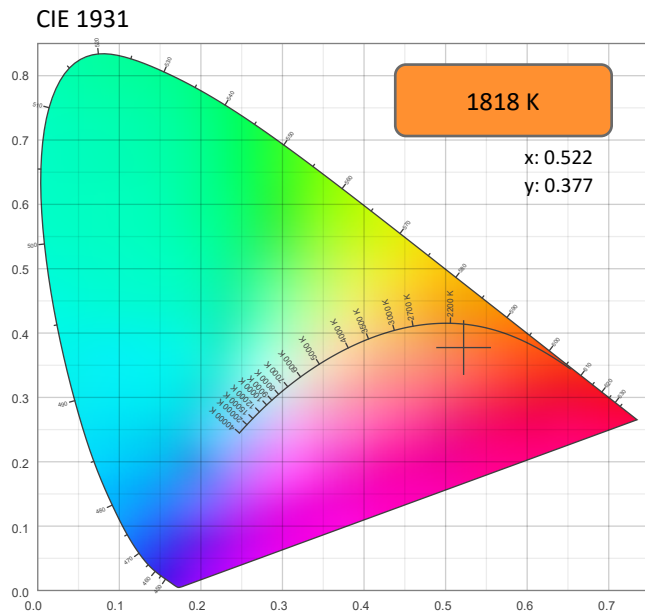
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

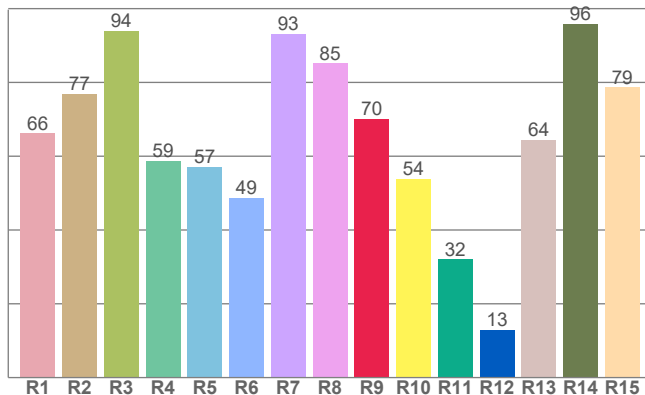
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 1800K

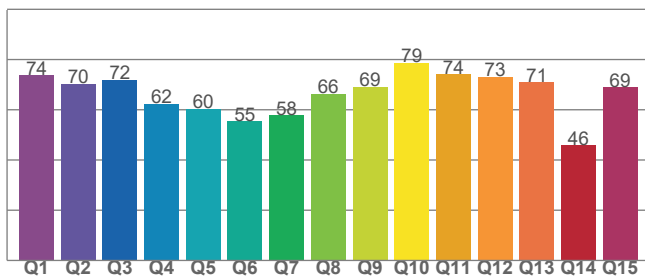
Chromaticity



CRI: 72.5 (R1-R8)



CQS: 64.3



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
1818 K	0.522	0.377

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0109	0.377	0.322

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.5	70.1	64.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
43	74.4	120.2

Photometric & Chromaticity Report

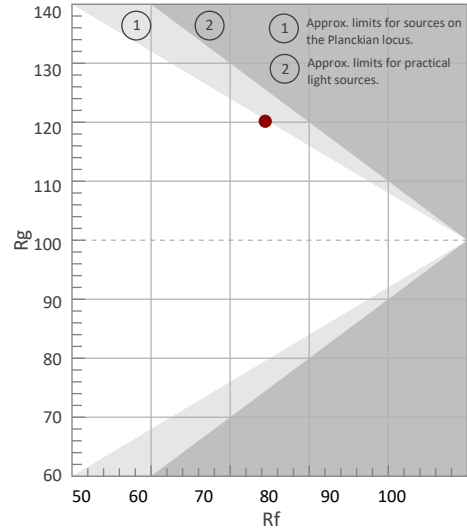
Logic Cove M: Very Wide Filter - 1800K

TM-30 Details

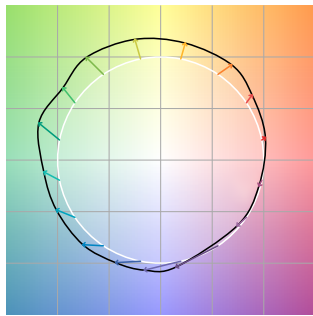
Rf 74.4
Fidelity Index (Rg)

Rg 120.2
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	83	4%	2%
2	77	9%	3%
3	69	15%	-6%
4	78	16%	-1%
5	83	20%	2%
6	65	23%	5%
7	72	18%	-6%
8	66	23%	-12%
9	69	13%	-11%
10	69	11%	-16%
11	69	10%	-17%
12	65	6%	-23%
13	63	2%	-36%
14	55	-6%	-45%
15	80	-3%	-12%
16	87	-2%	-6%



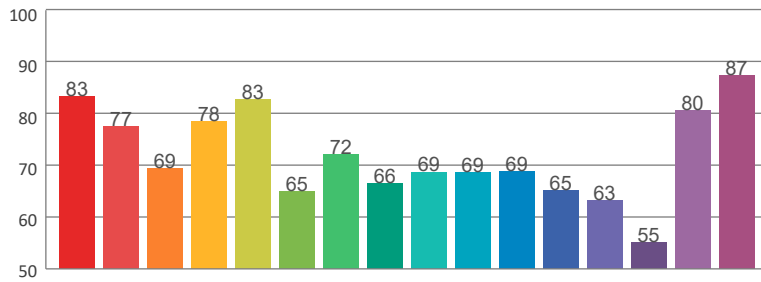
Color Vector Graphic



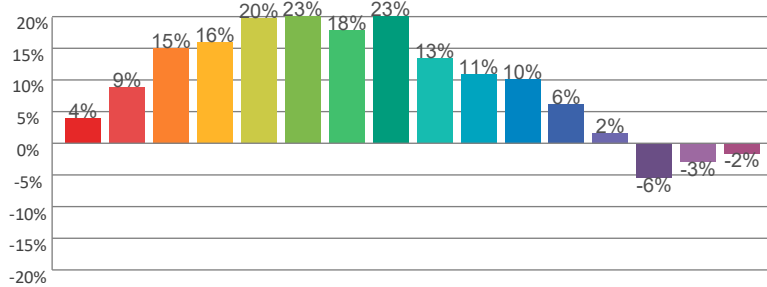
Color Distortion Graphic



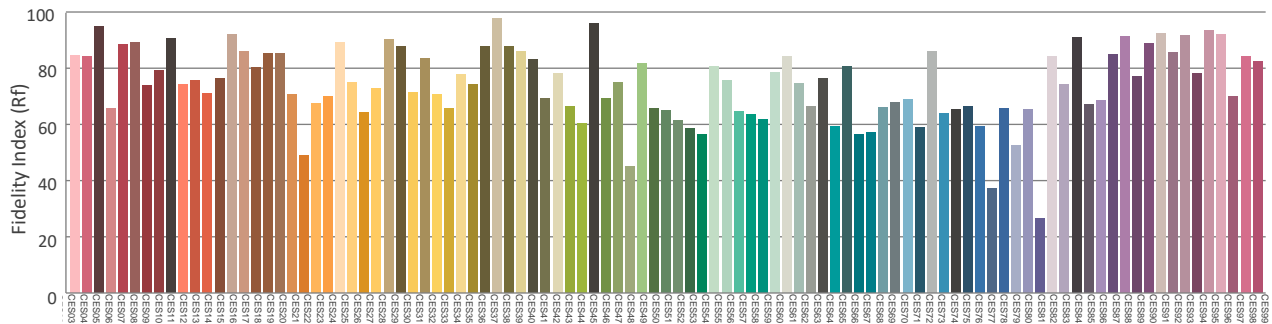
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2200K

Report Summary

Measurements

Fixture Output: 731 lm

Fixture Peak: 152 cd

Fixture Efficacy: 29 lm/W

Intensity @ 5m: 6 lux

Color Temperature: 2202 K

CRI: 83.7 CRI R9 Value: 81.8

CQS: 83.3

TLCI: 70

TM-30 Rf: 85.9

TM-30 Rg: 111.9

Beam Angle (50%): 143.4°

Field Angle (10%): 218.8°

Cutoff Angle (3%): 258.7°

Conditions

AC Supply: 119 V, 60 Hz

Power: 27.85 W

Current: 0.235 A

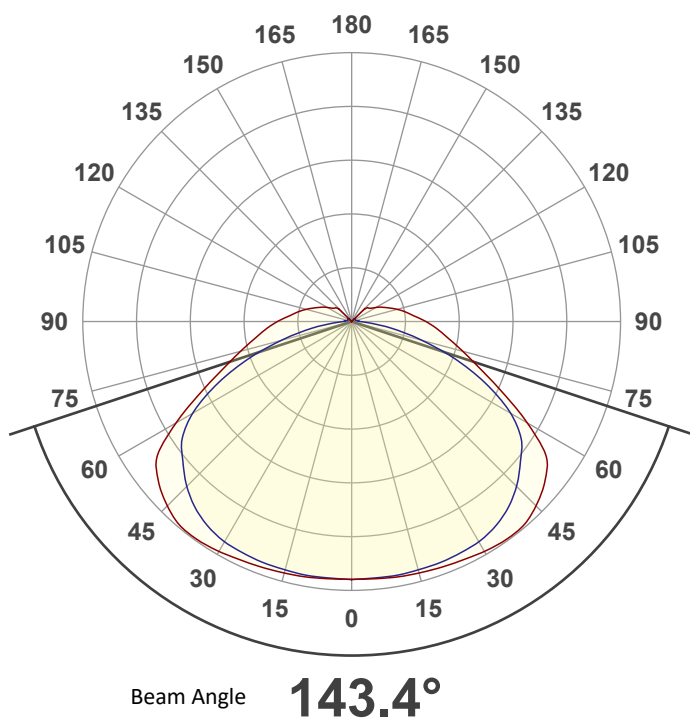
Power Factor: 0.92



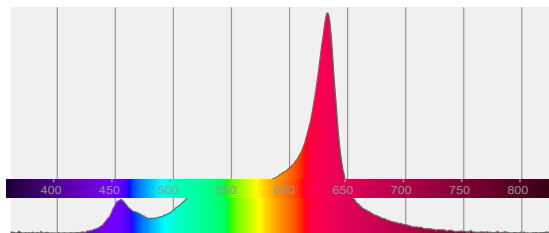
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Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

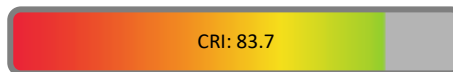
X: 0.487

Y: 0.387



Light Quality

CRI: 83.7



Color Temperature

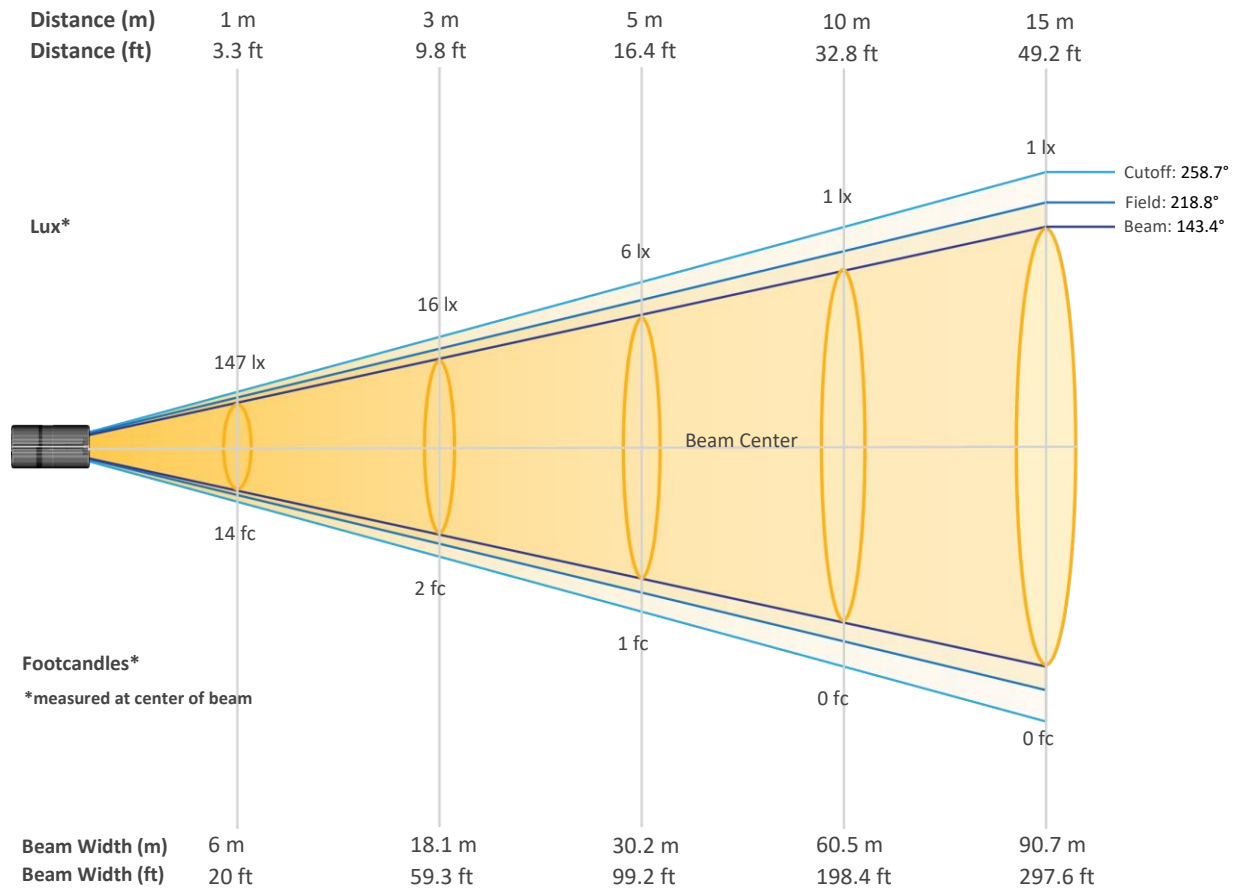
2202 K



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2200K

Beam Details

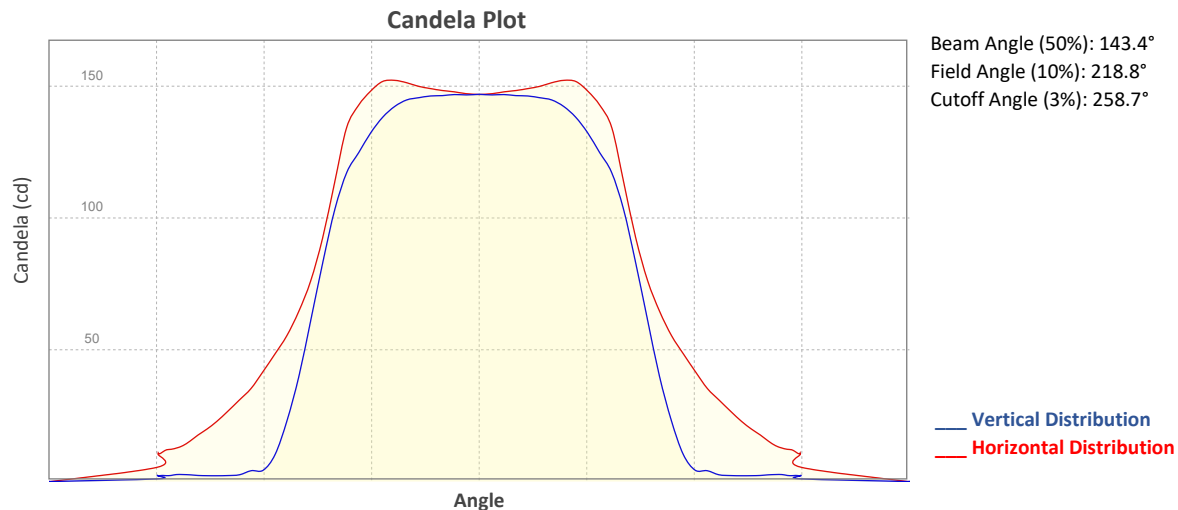


Beam Intensities from 1-20m (3.3-65.6ft)

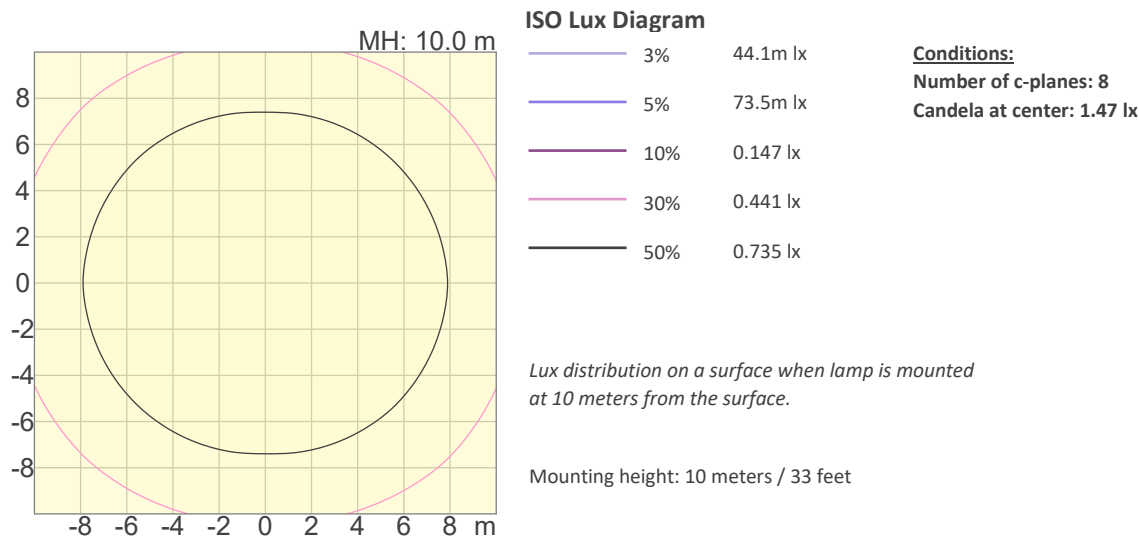
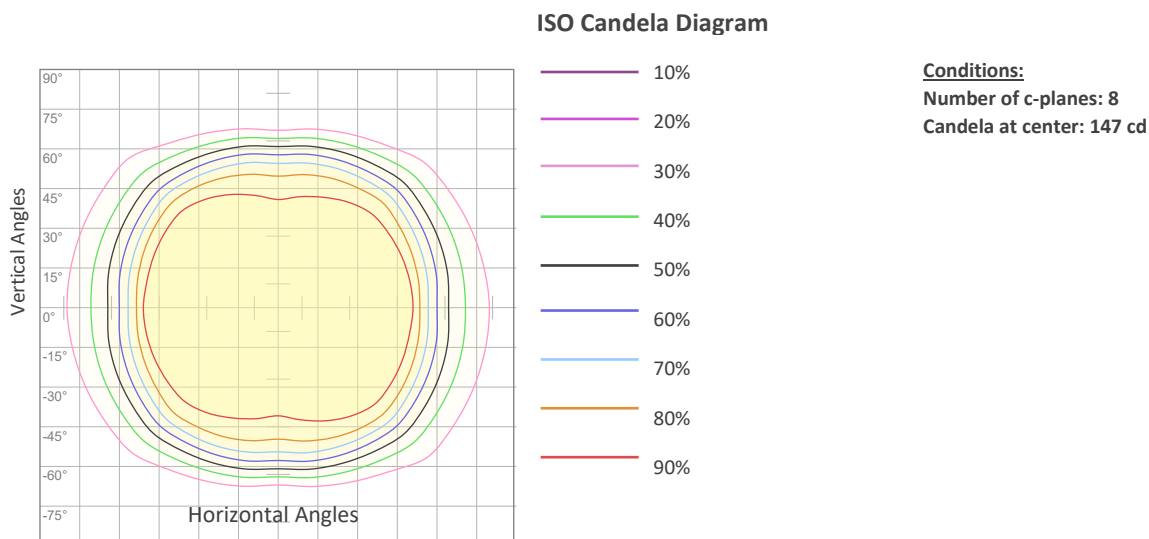
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	147	37	16	9	6	4	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14	3	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2200K



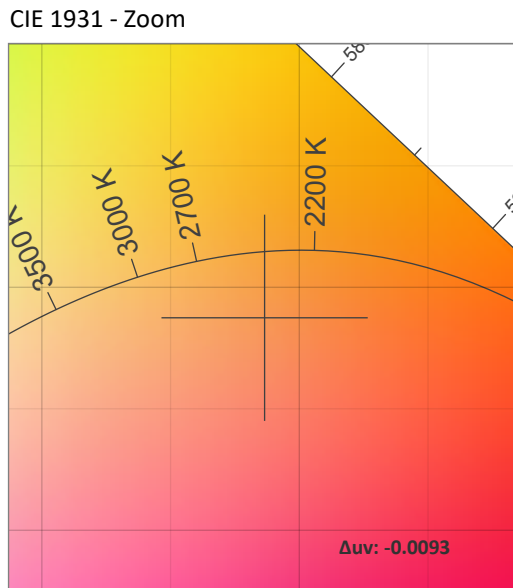
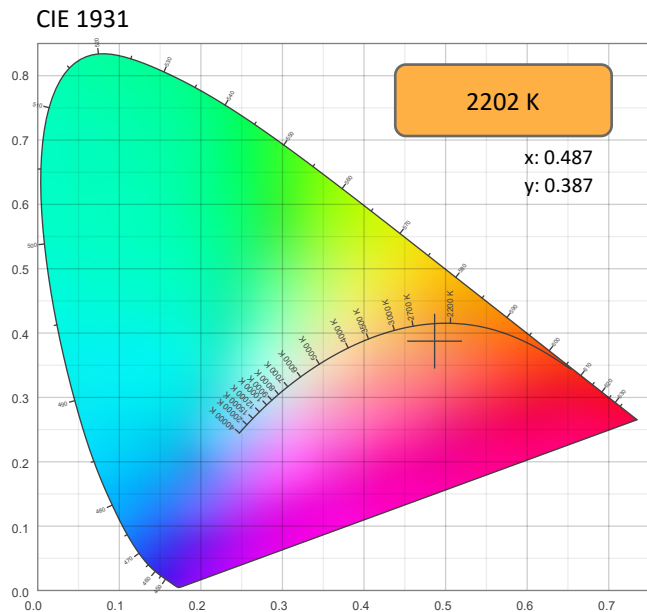
ISO Diagrams



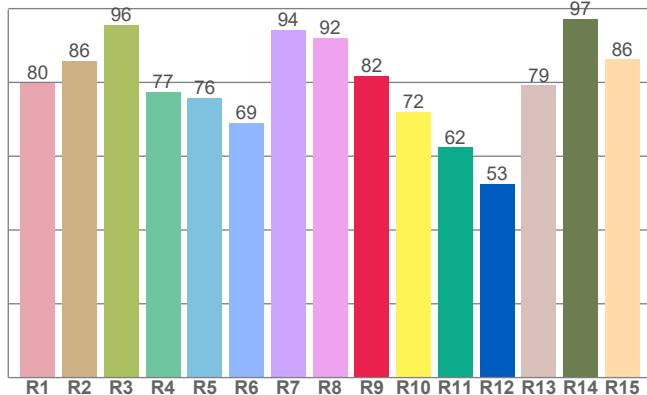
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2200K

Chromaticity



CRI: 83.7 (R1-R8)

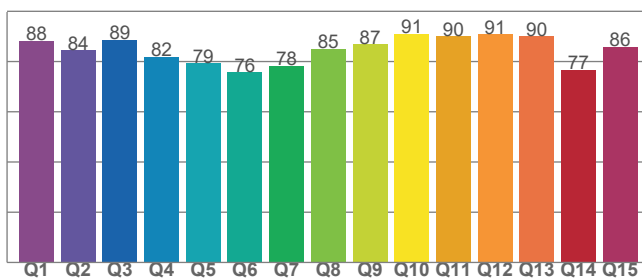


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2202 K	0.487	0.387

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0093	0.387	0.291

CQS: 83.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
83.7	81.8	83.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
70	85.9	111.9

Photometric & Chromaticity Report

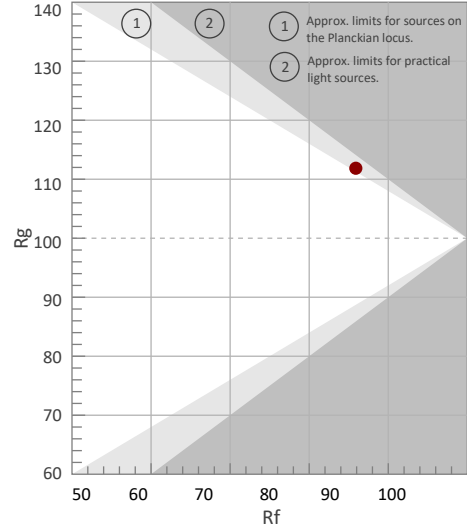
Logic Cove M: Very Wide Filter - 2200K

TM-30 Details

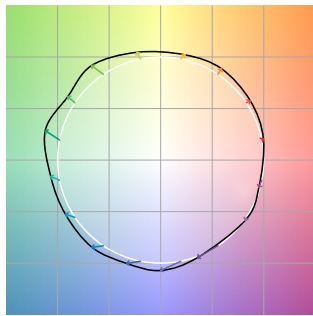
Rf 85.9
Fidelity Index (Rg)

Rg 111.9
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	2%	1%
2	89	4%	0%
3	83	6%	0%
4	90	5%	-3%
5	90	7%	2%
6	81	13%	5%
7	86	9%	-1%
8	80	15%	-6%
9	83	8%	-5%
10	84	6%	-8%
11	84	7%	-8%
12	80	5%	-12%
13	80	5%	-21%
14	68	-2%	-23%
15	92	1%	-3%
16	89	-1%	-7%



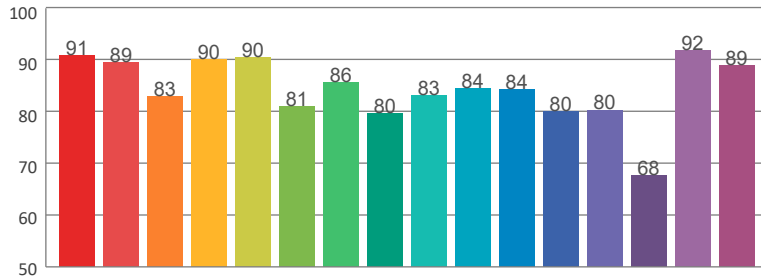
Color Vector Graphic



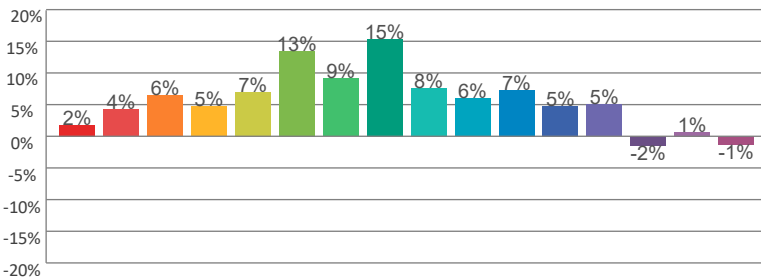
Color Distortion Graphic



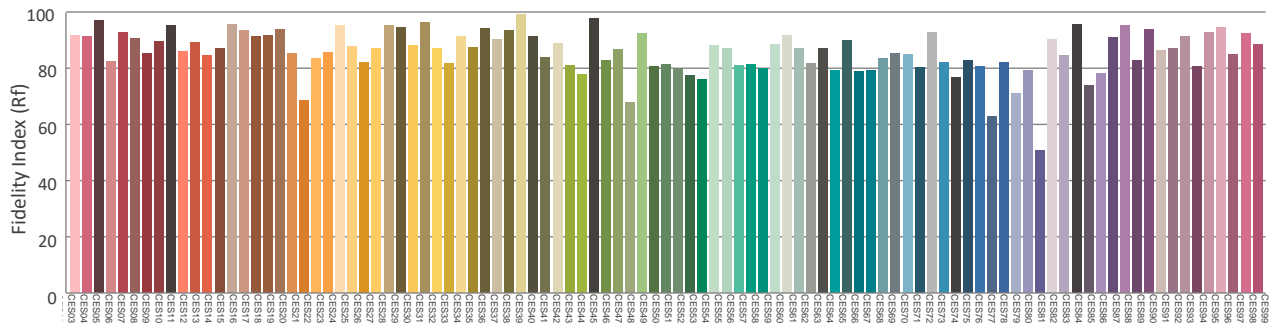
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2700K

Report Summary

Measurements

Fixture Output: 760 lm

Fixture Peak: 158 cd

Fixture Efficacy: 30 lm/W

Intensity @ 5m: 6 lux

Color Temperature: 2640 K

CRI: 82.3 CRI R9 Value: 64.2

CQS: 85.8

TLCI: 69

TM-30 Rf: 86.6

TM-30 Rg: 105.7

Beam Angle (50%): 143.8°

Field Angle (10%): 219.4°

Cutoff Angle (3%): 275°

Conditions

AC Supply: 119 V, 60 Hz

Power: 27.93 W

Current: 0.235 A

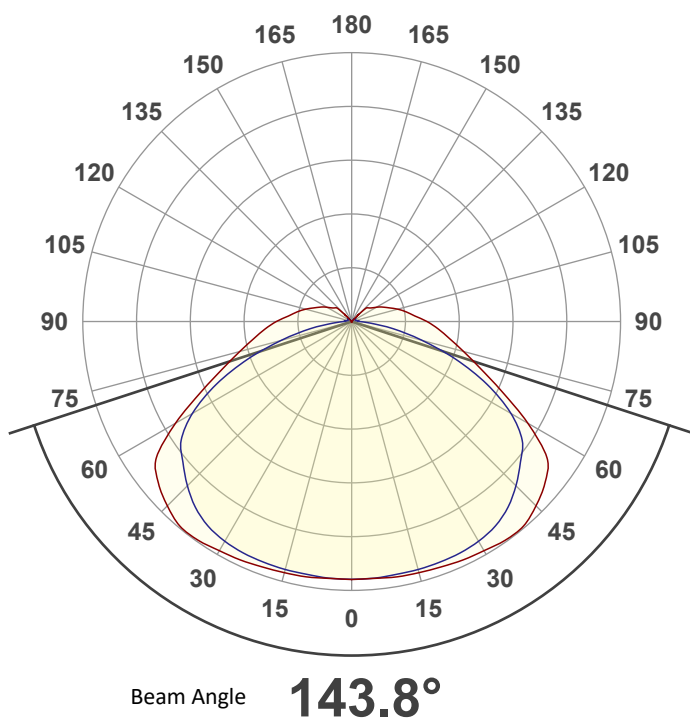
Power Factor: 0.92



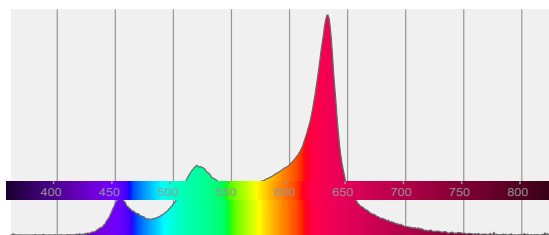
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Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.464

Y: 0.409



Light Quality

CRI: 82.3

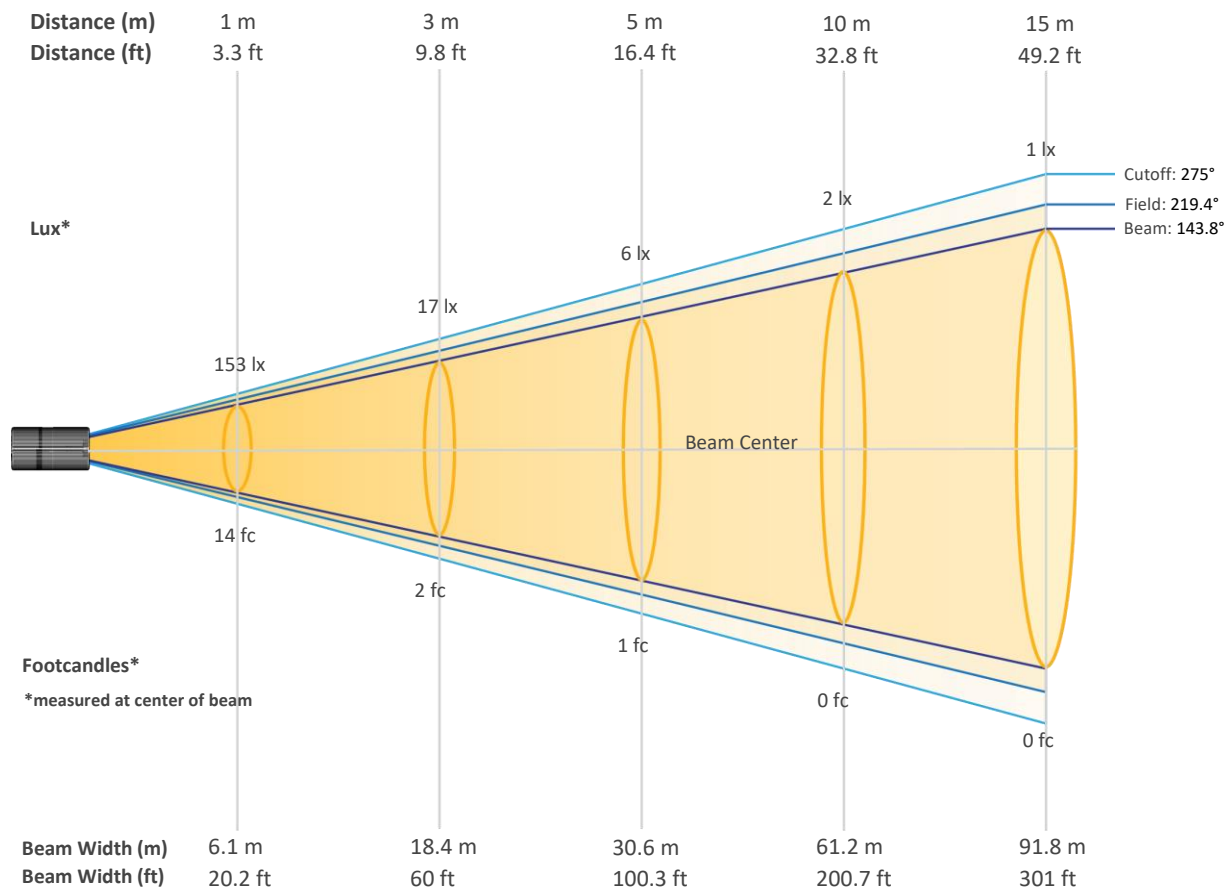
Color Temperature

2640 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2700K

Beam Details

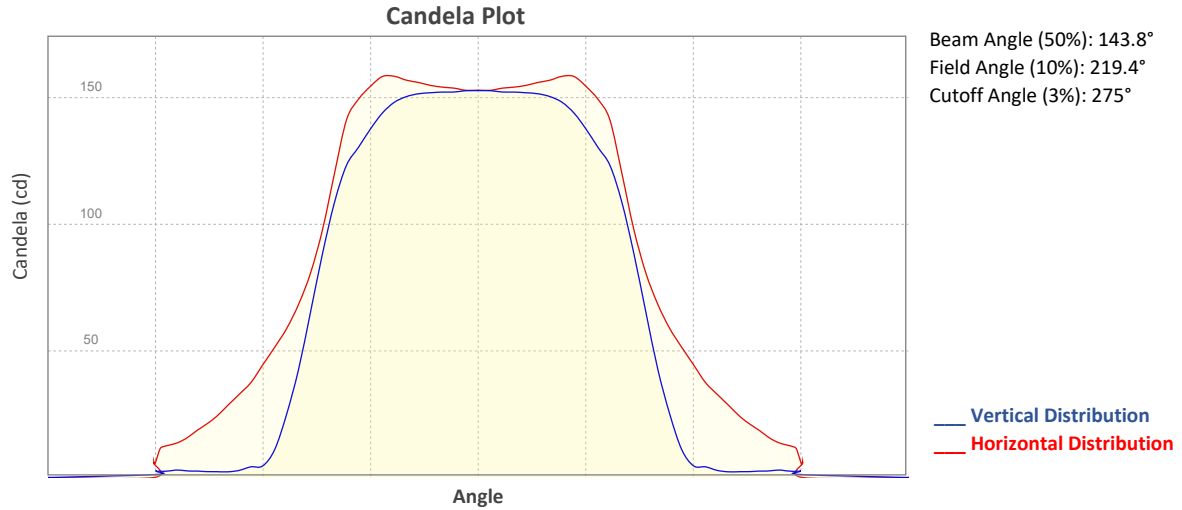


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	153	38	17	10	6	4	3	2	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

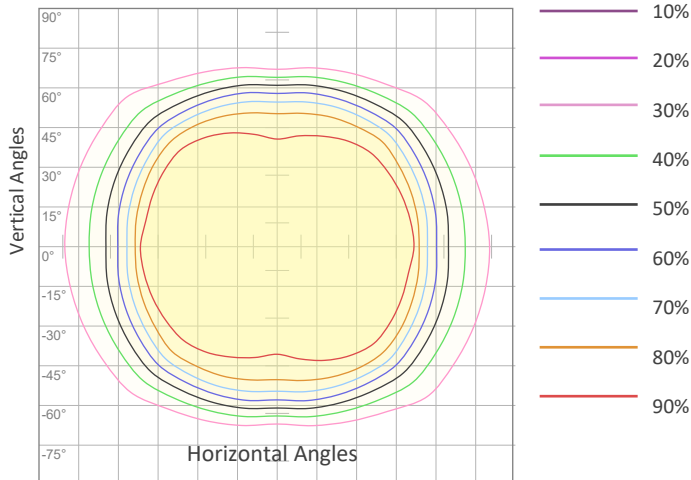
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 2700K



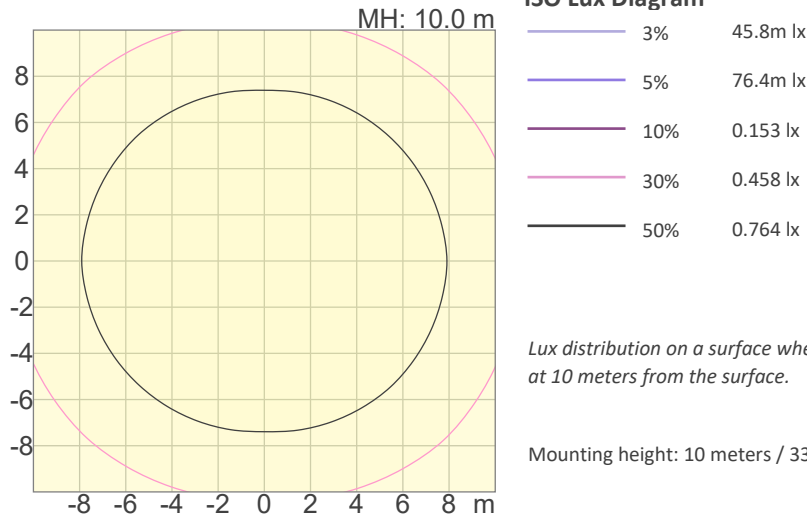
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 153 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.53 lx

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

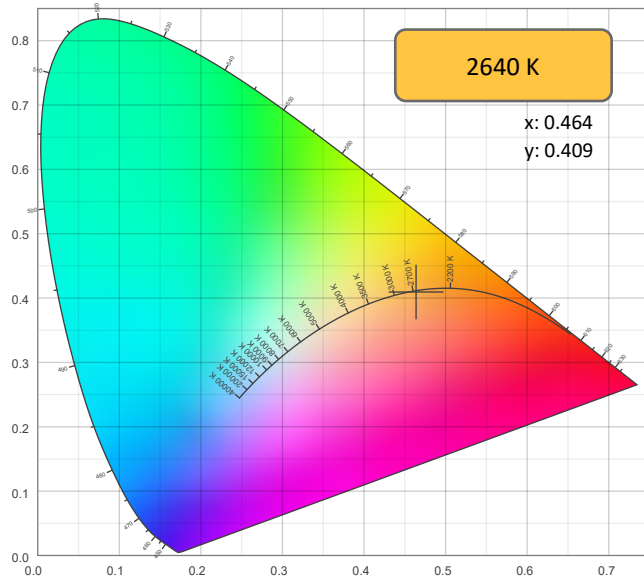
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

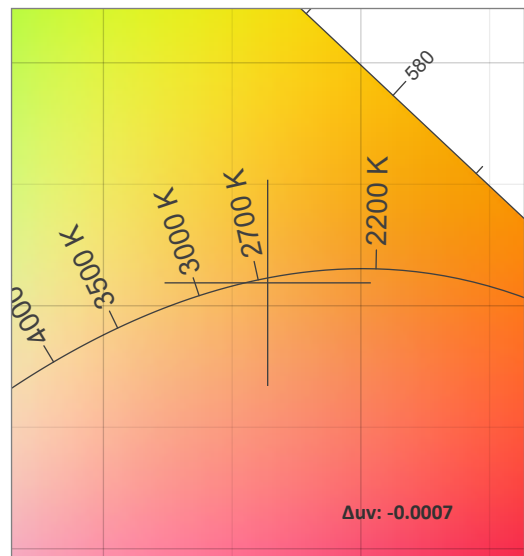
Logic Cove M: Very Wide Filter - 2700K

Chromaticity

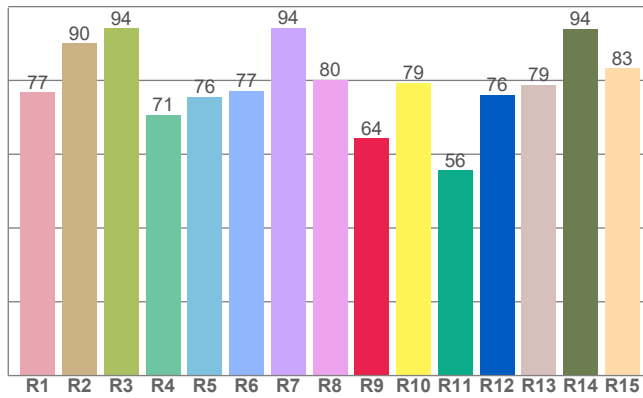
CIE 1931



CIE 1931 - Zoom



CRI: 82.3 (R1-R8)

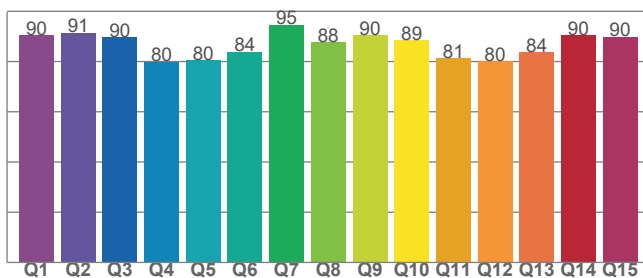


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2640 K	0.464	0.409

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0007	0.409	0.266

CQS: 85.8



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
82.3	64.2	85.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
69	86.6	105.7

Photometric & Chromaticity Report

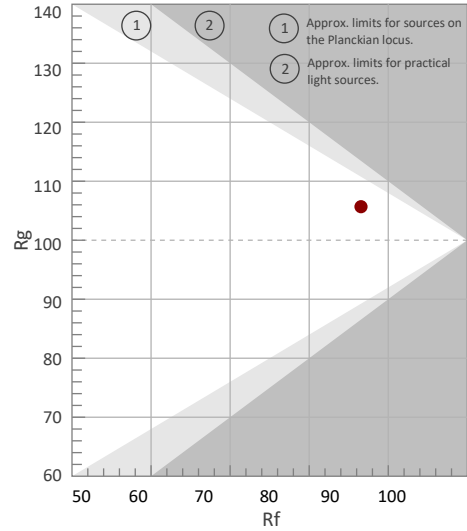
Logic Cove M: Very Wide Filter - 2700K

TM-30 Details

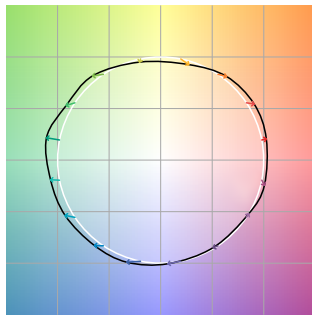
Rf 86.6
Fidelity Index (Rg)

Rg 105.7
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	89	5%	0%
2	86	6%	-5%
3	82	3%	-8%
4	86	-4%	-9%
5	92	-3%	2%
6	86	5%	10%
7	85	6%	7%
8	80	13%	0%
9	85	8%	-2%
10	85	7%	-7%
11	87	5%	-7%
12	82	4%	-13%
13	84	0%	-13%
14	90	-1%	-5%
15	89	0%	4%
16	90	3%	-4%



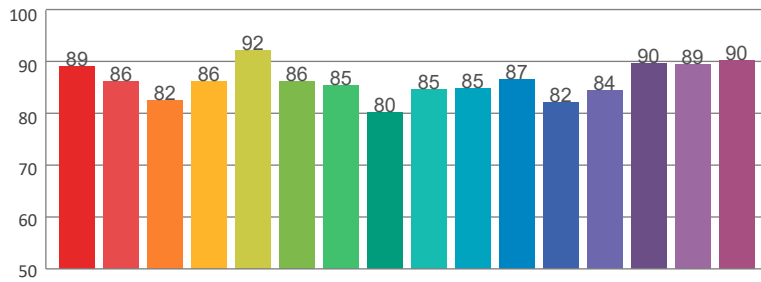
Color Vector Graphic



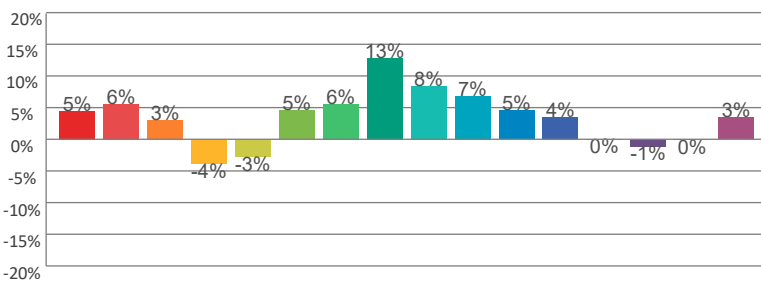
Color Distortion Graphic



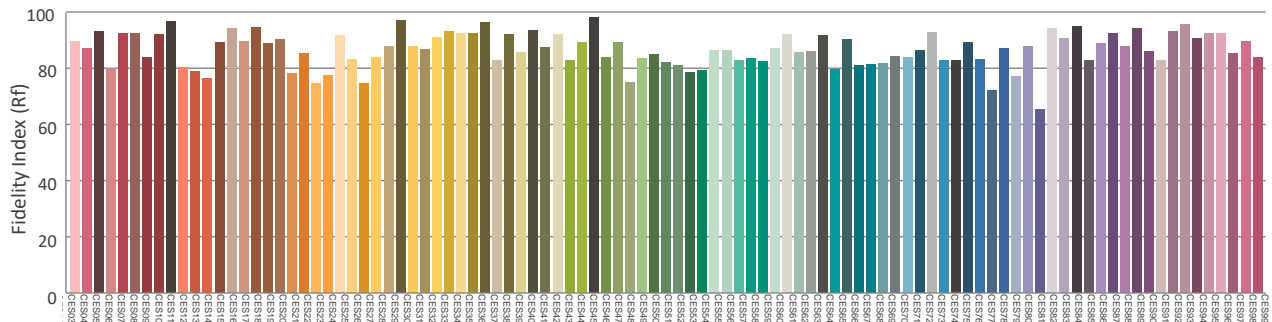
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 3000K

Report Summary

Measurements

Fixture Output: 906 lm

Fixture Peak: 190 cd

Fixture Efficacy: 35 lm/W

Intensity @ 5m: 7 lux

Color Temperature: 2922 K

CRI: 95.8 CRI R9 Value: 75.4

CQS: 94.1

TLCI: 87

TM-30 Rf: 92.7

TM-30 Rg: 100.2

Beam Angle (50%): 143.1°

Field Angle (10%): 219.1°

Cutoff Angle (3%): 258.7°

Conditions

AC Supply: 119 V, 60 Hz

Power: 27.83 W

Current: 0.235 A

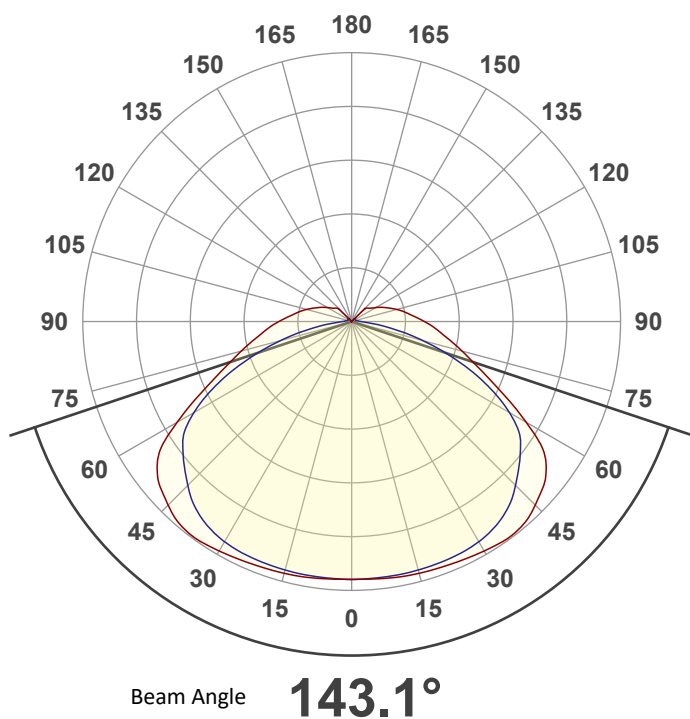
Power Factor: 0.92



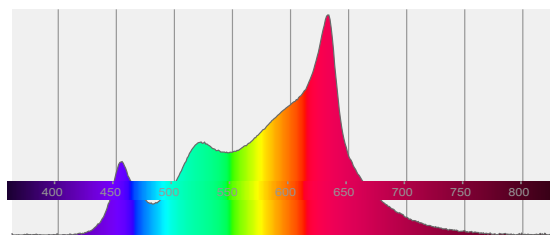
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.443

Y: 0.406



Light Quality

CRI: 95.8



Color Temperature

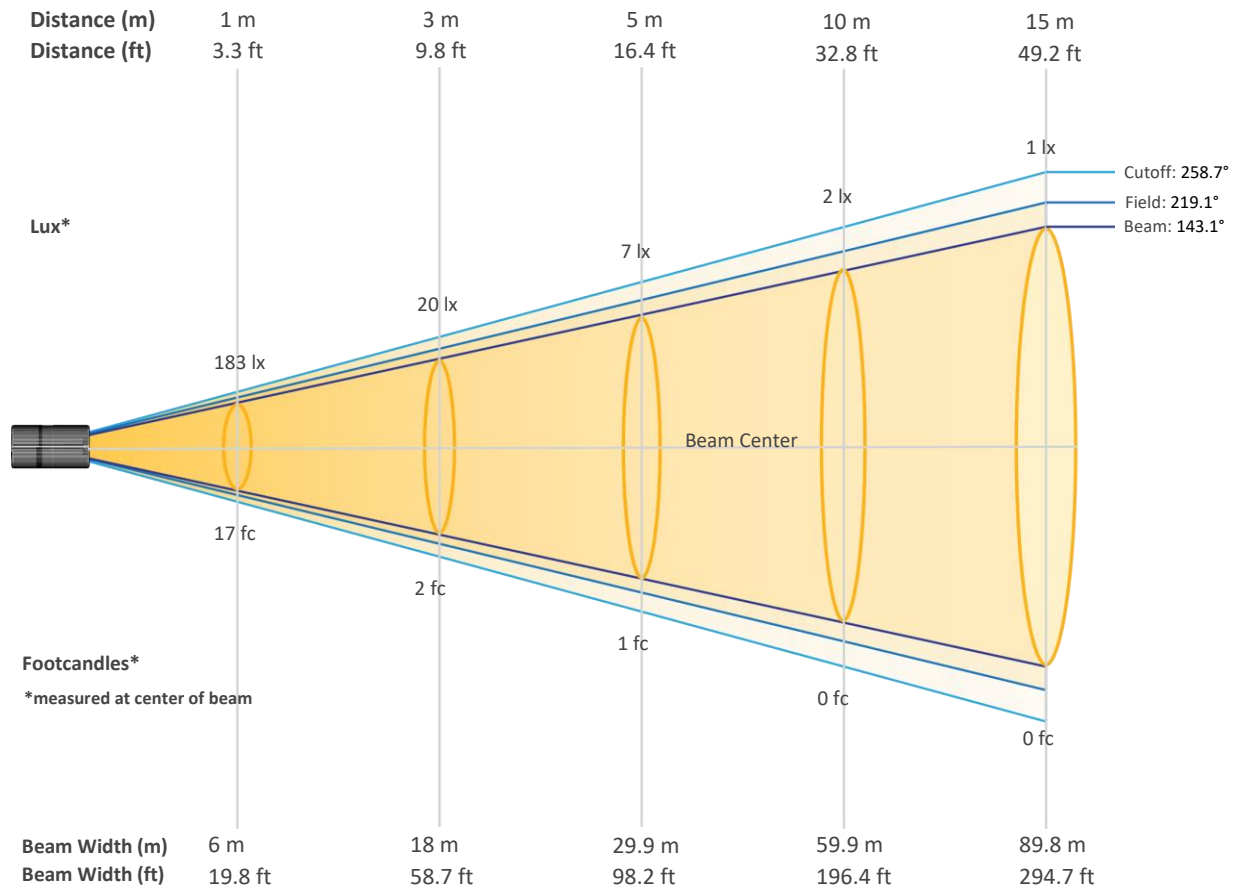
2922 K



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 3000K

Beam Details

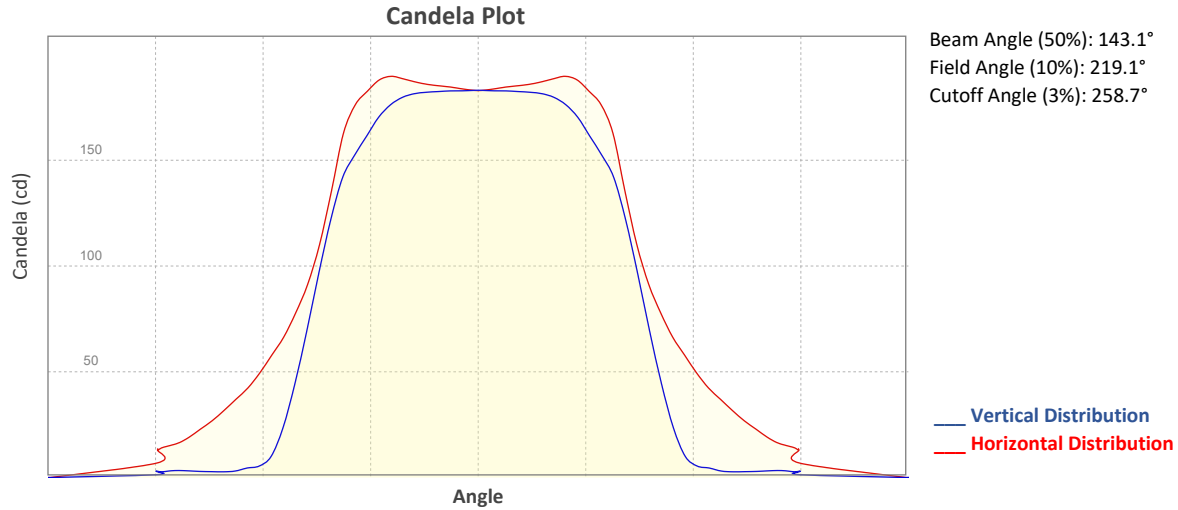


Beam Intensities from 1-20m (3.3-65.6ft)

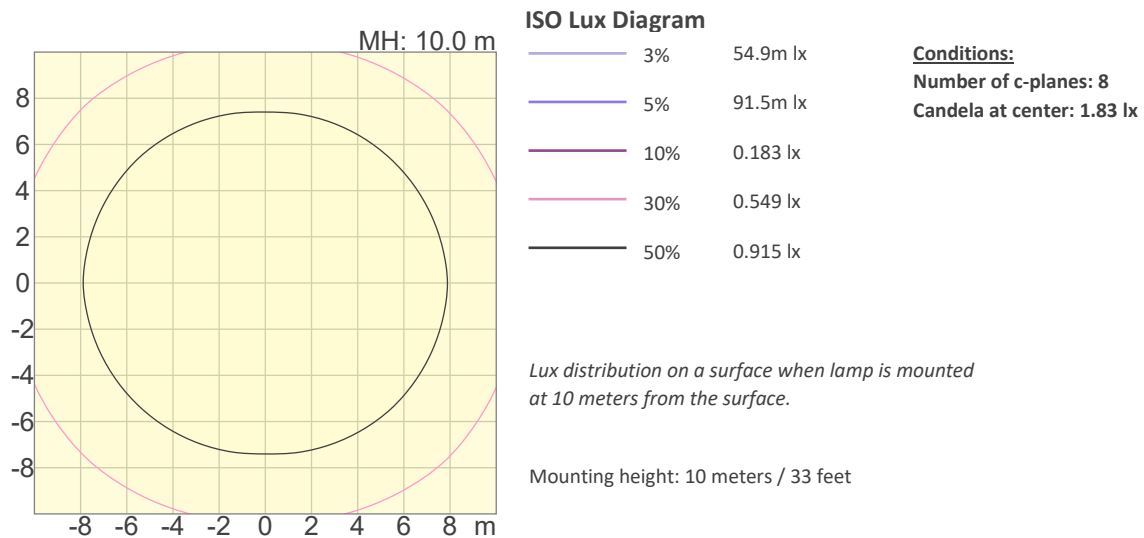
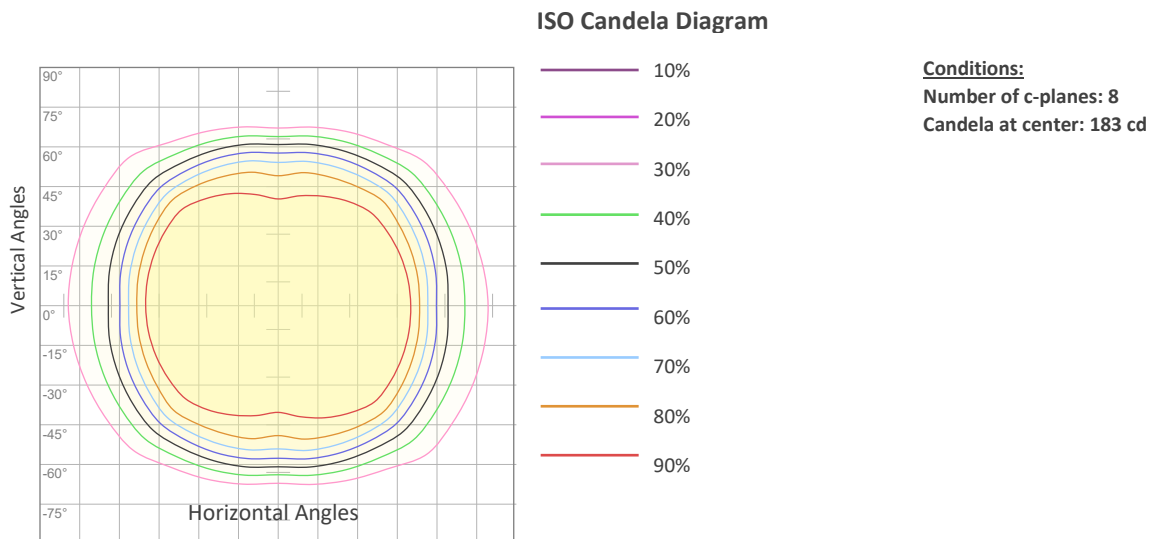
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	183	46	20	11	7	5	4	3	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	2	1	1	1	1	1	1	1	1	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 3000K



ISO Diagrams

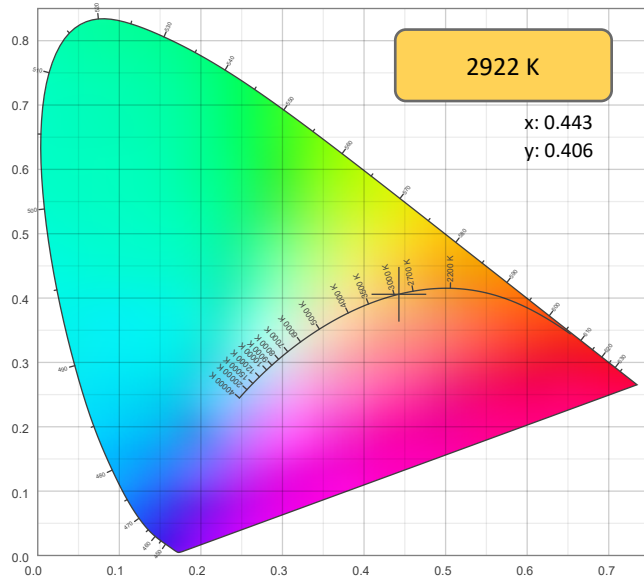


Photometric & Chromaticity Report

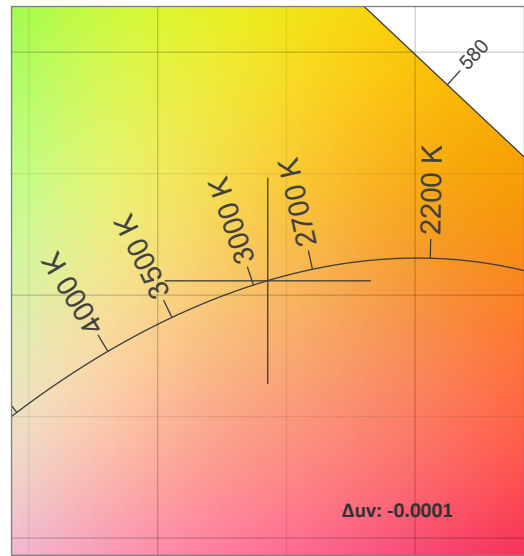
Logic Cove M: Very Wide Filter - 3000K

Chromaticity

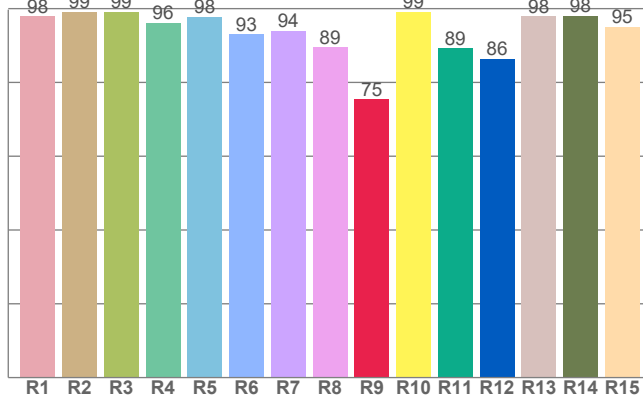
CIE 1931



CIE 1931 - Zoom



CRI: 95.8 (R1-R8)

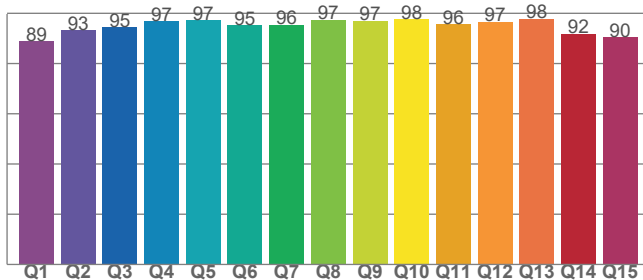


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
2922 K	0.443	0.406

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0001	0.406	0.254

CQS: 94.1



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.8	75.4	94.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
87	92.7	100.2

Photometric & Chromaticity Report

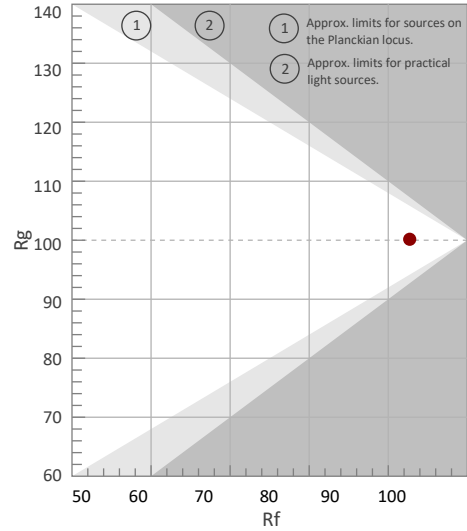
Logic Cove M: Very Wide Filter - 3000K

TM-30 Details

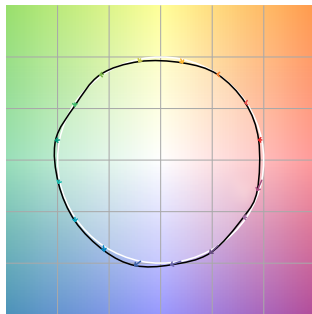
Rf 92.7
Fidelity Index (Rg)

Rg 100.2
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	96	-1%	1%
3	95	0%	1%
4	94	-3%	-2%
5	95	-2%	2%
6	95	1%	3%
7	93	-2%	3%
8	94	4%	1%
9	95	2%	3%
10	94	2%	3%
11	93	4%	3%
12	88	5%	-5%
13	87	2%	-10%
14	87	2%	-10%
15	92	-2%	-1%
16	86	-2%	-11%



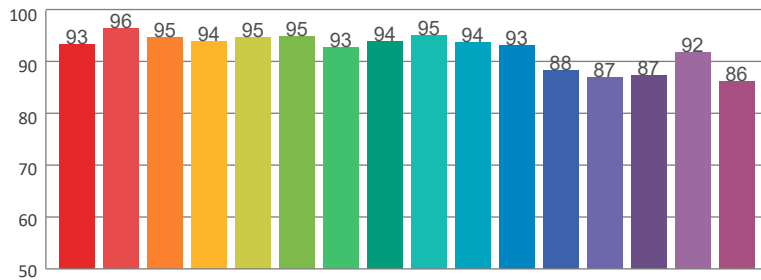
Color Vector Graphic



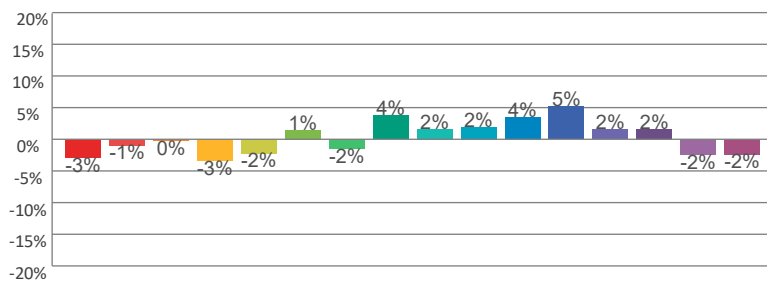
Color Distortion Graphic



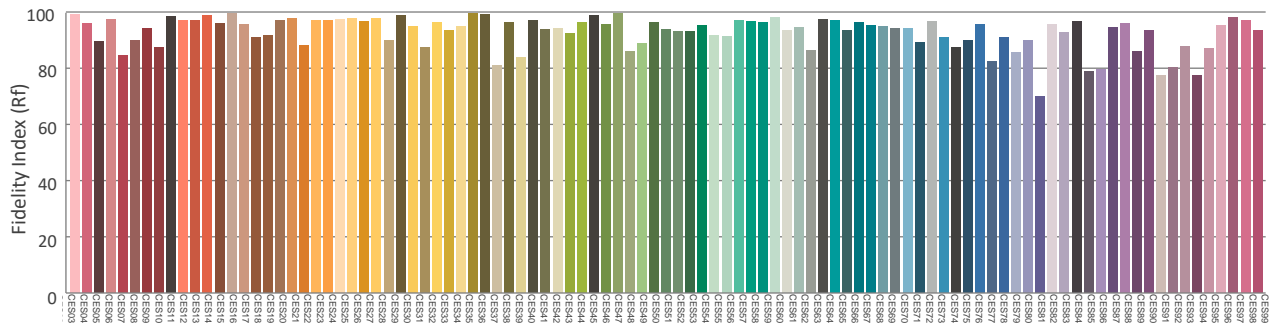
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 3200K

Report Summary

Measurements

Fixture Output: 889 lm
Fixture Peak: 186 cd
Fixture Efficacy: 35 lm/W
Intensity @ 5m: 7 lux
Color Temperature: 3085 K
CRI: 93.6 CRI R9 Value: 83.2
CQS: 94.2
TLCI: 88
TM-30 Rf: 90.9
TM-30 Rg: 99.3
Beam Angle (50%): 143.2°
Field Angle (10%): 219.5°
Cutoff Angle (3%): 259.9°

Conditions

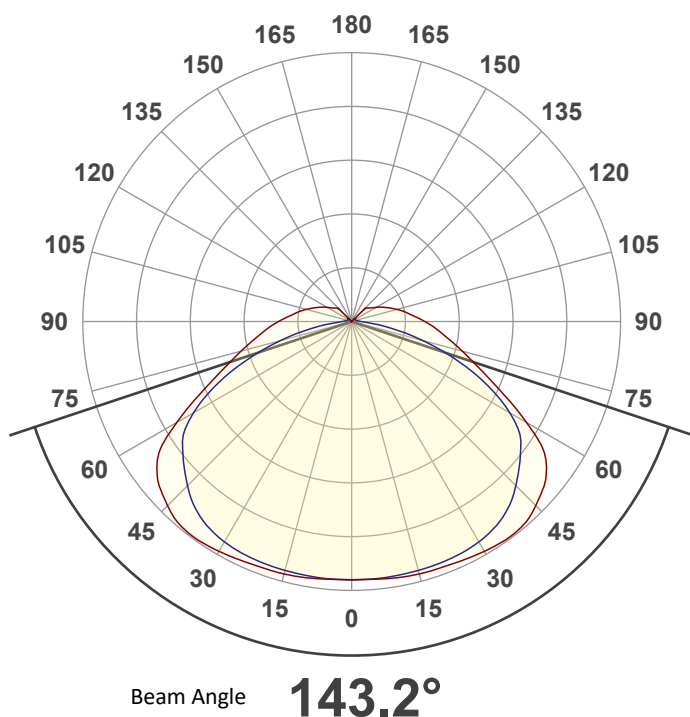
AC Supply: 118 V, 60 Hz
Power: 27.57 W
Current: 0.233 A
Power Factor: 0.92



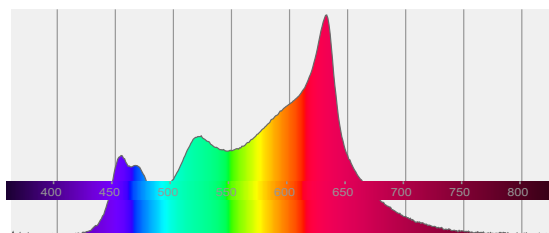
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.429

Y: 0.397



Light Quality

CRI: 93.6

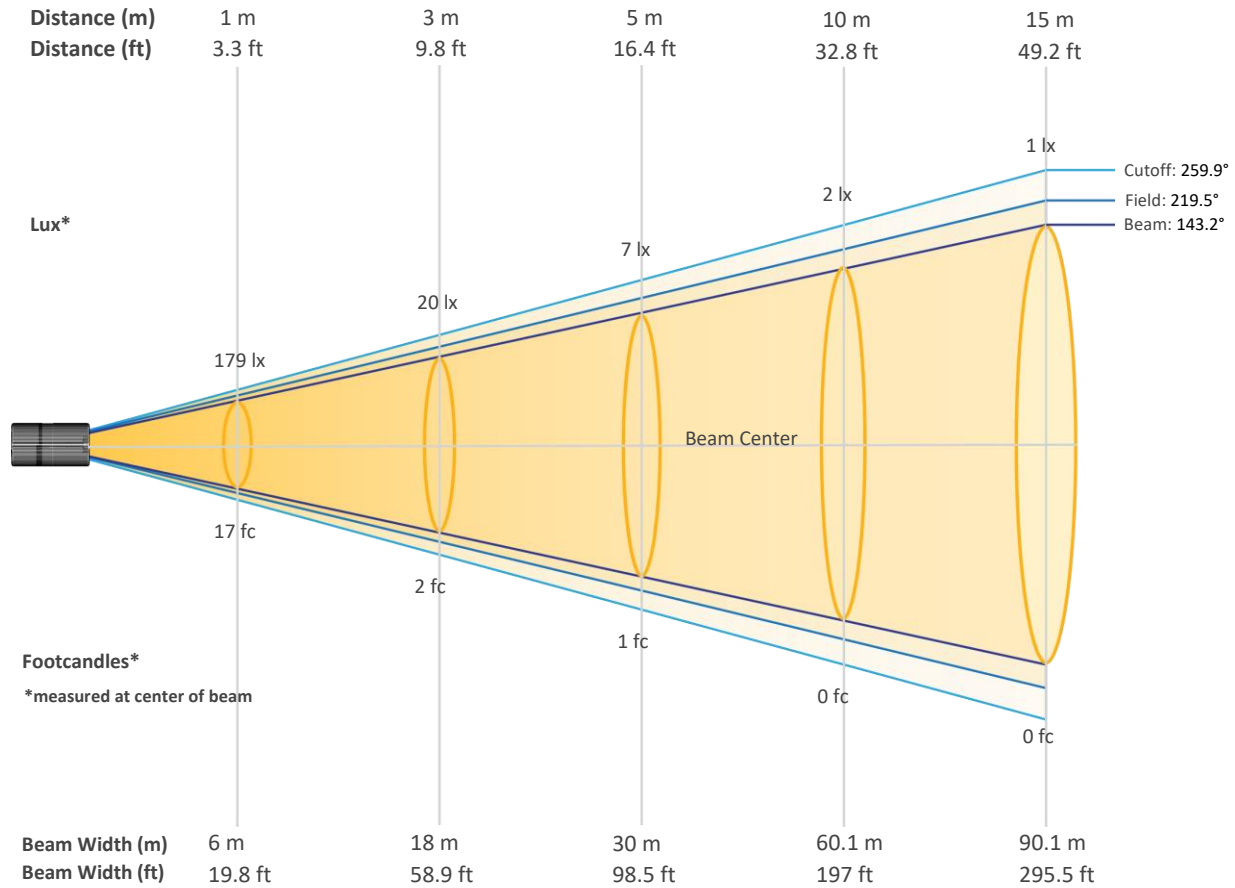
Color Temperature

3085 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 3200K

Beam Details

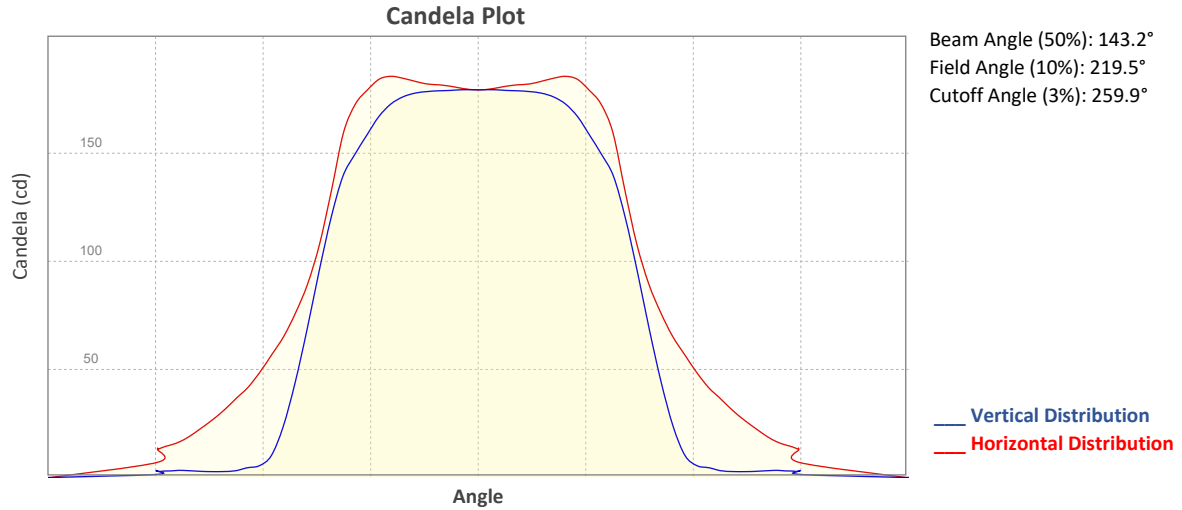


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	179	45	20	11	7	5	4	3	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	1	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	17	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

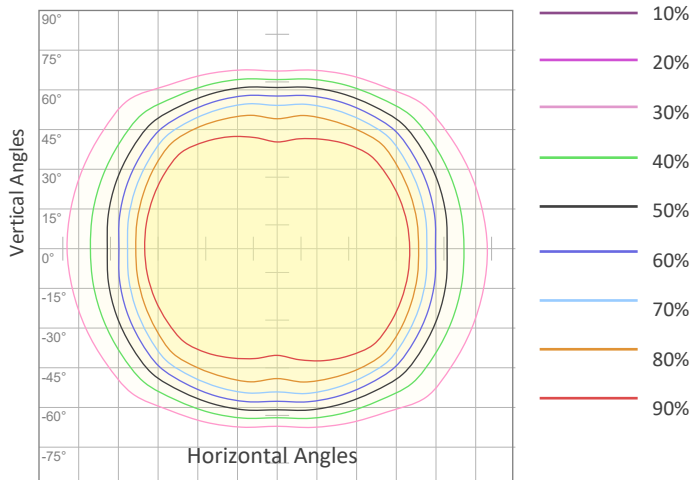
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 3200K



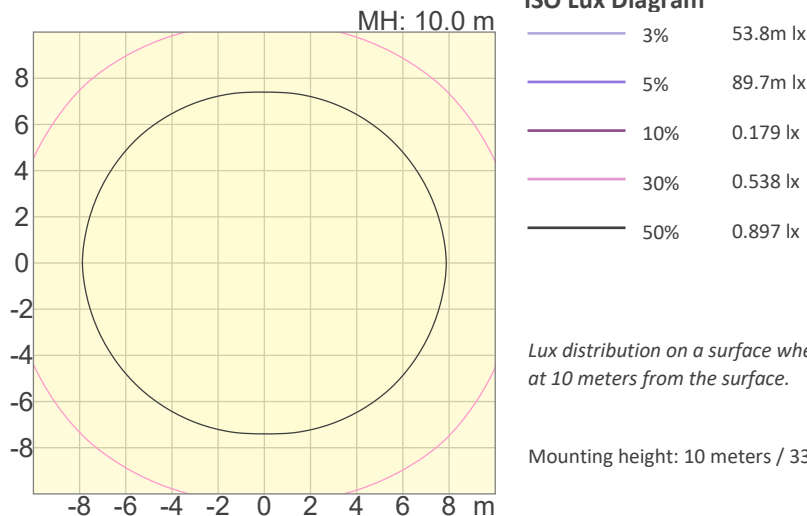
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 179 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.79 lx

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

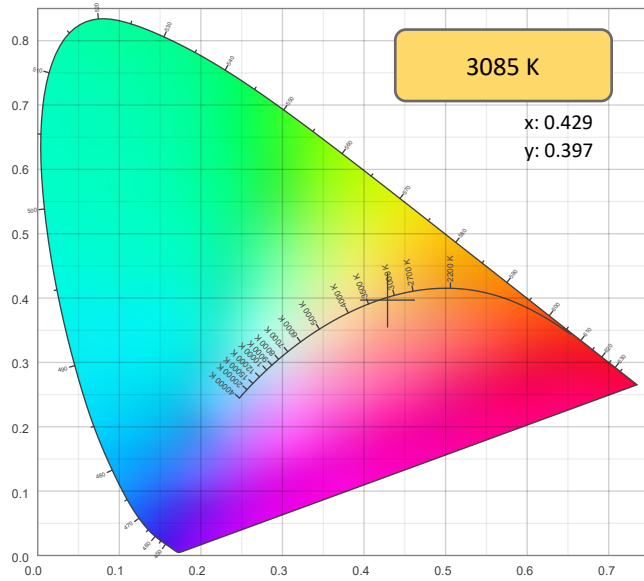
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

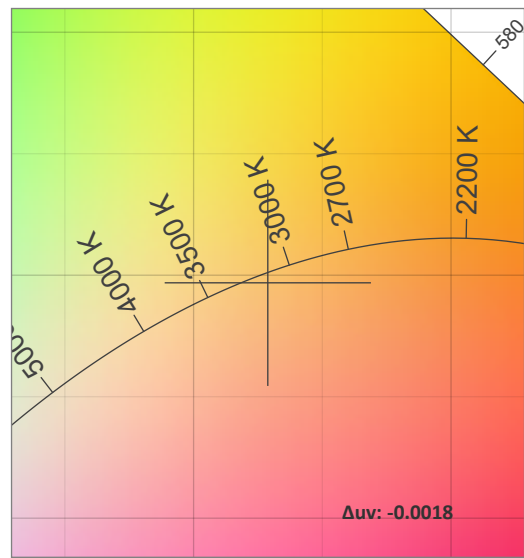
Logic Cove M: Very Wide Filter - 3200K

Chromaticity

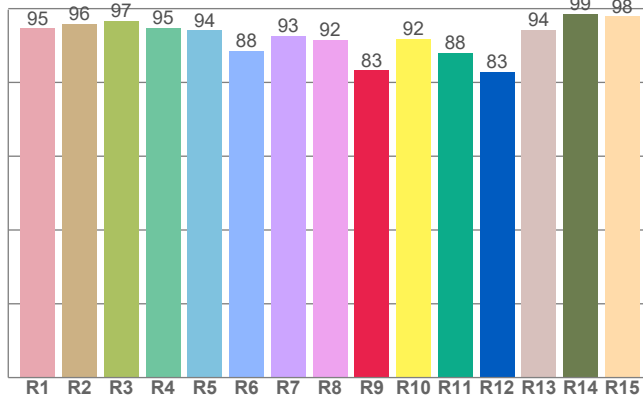
CIE 1931



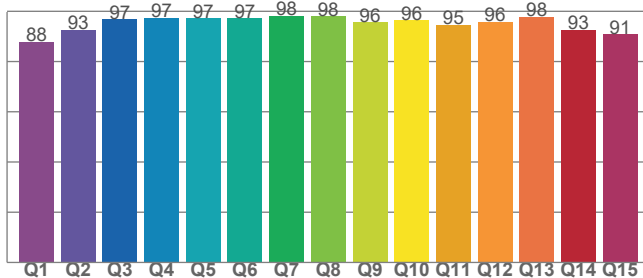
CIE 1931 - Zoom



CRI: 93.6 (R1-R8)



CQS: 94.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3085 K	0.429	0.397

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0018	0.397	0.248

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
93.6	83.2	94.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
88	90.9	99.3

Photometric & Chromaticity Report

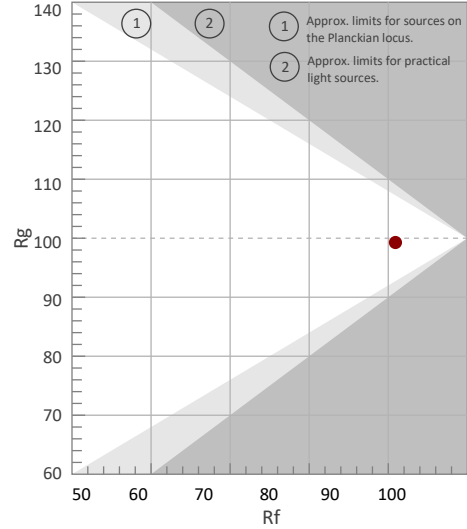
Logic Cove M: Very Wide Filter - 3200K

TM-30 Details

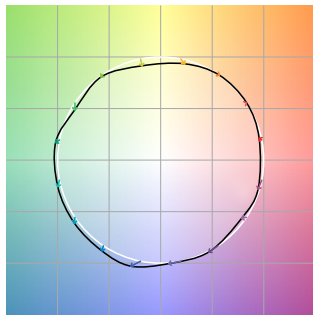
Rf 90.9
Fidelity Index (Rg)

Rg 99.3
Gammut Index (Rg)

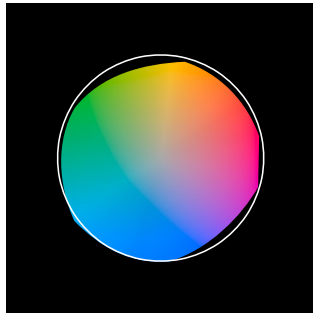
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	92	-2%	2%
2	96	0%	0%
3	94	0%	-2%
4	90	-4%	-5%
5	91	-7%	0%
6	95	-1%	3%
7	89	-4%	6%
8	93	3%	3%
9	91	3%	6%
10	91	4%	4%
11	92	5%	2%
12	85	7%	-8%
13	85	0%	-12%
14	87	0%	-11%
15	87	-3%	-3%
16	87	-2%	-9%



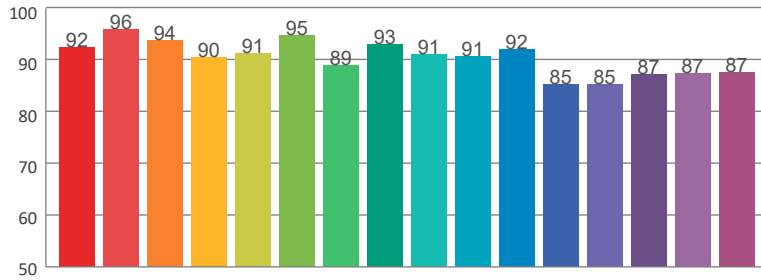
Color Vector Graphic



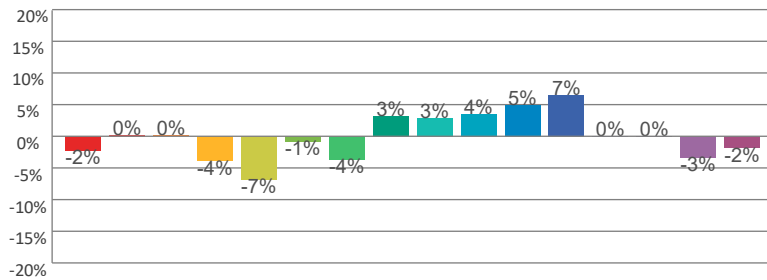
Color Distortion Graphic



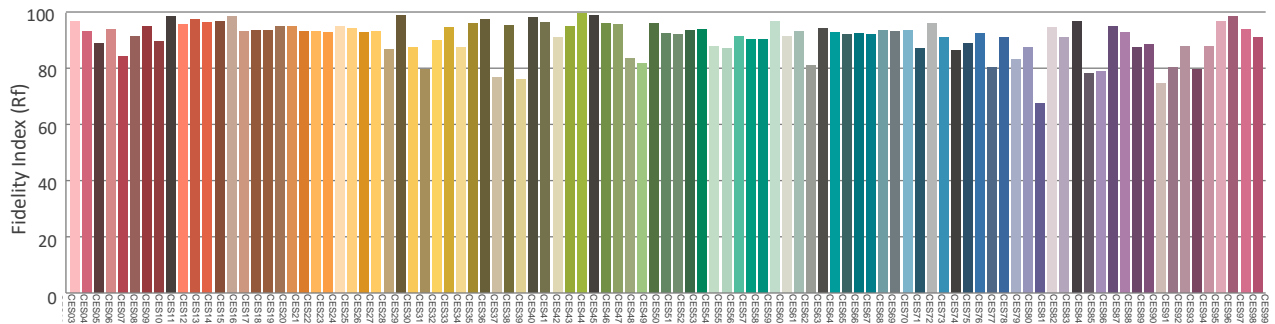
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4000K

Report Summary

Measurements

Fixture Output: 873 lm
Fixture Peak: 182 cd
Fixture Efficacy: 34 lm/W
Intensity @ 5m: 7 lux
Color Temperature: 3896 K
CRI: 87.8 CRI R9 Value: 81.9
CQS: 90.3
TLCI: 87
TM-30 Rf: 83.7
TM-30 Rg: 93.5
Beam Angle (50%): 143.1°
Field Angle (10%): 219.7°
Cutoff Angle (3%): 259.6°



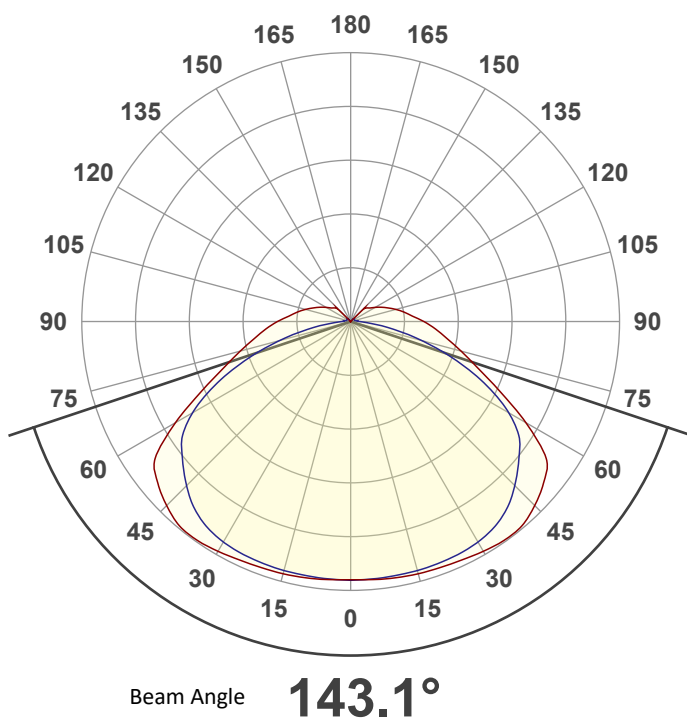
Conditions

AC Supply: 118 V, 60 Hz
Power: 27.66 W
Current: 0.234 A
Power Factor: 0.92

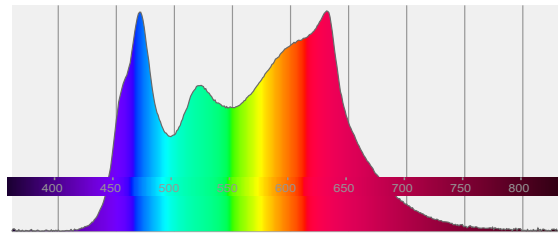
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.382

Y: 0.369



Light Quality

CRI: 87.8

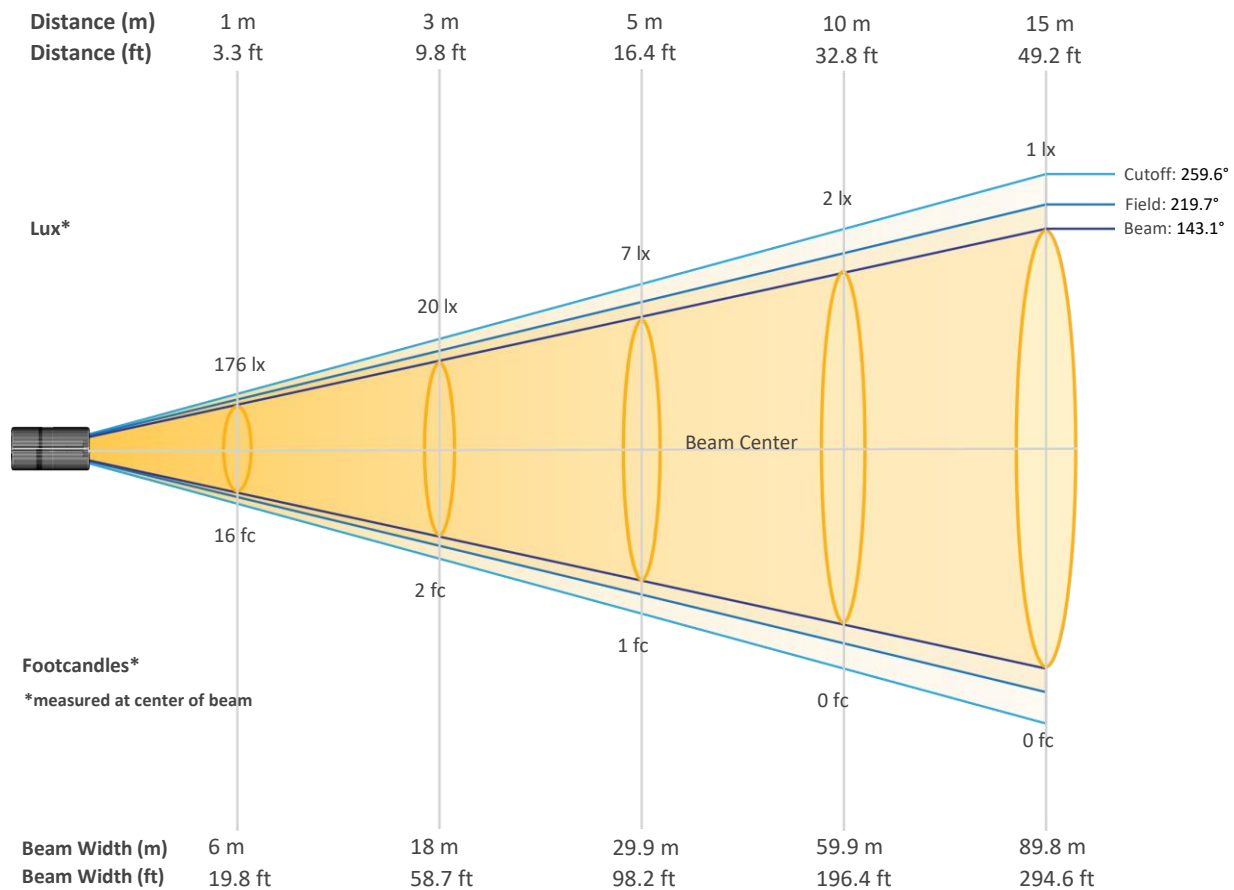
Color Temperature

3896 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4000K

Beam Details

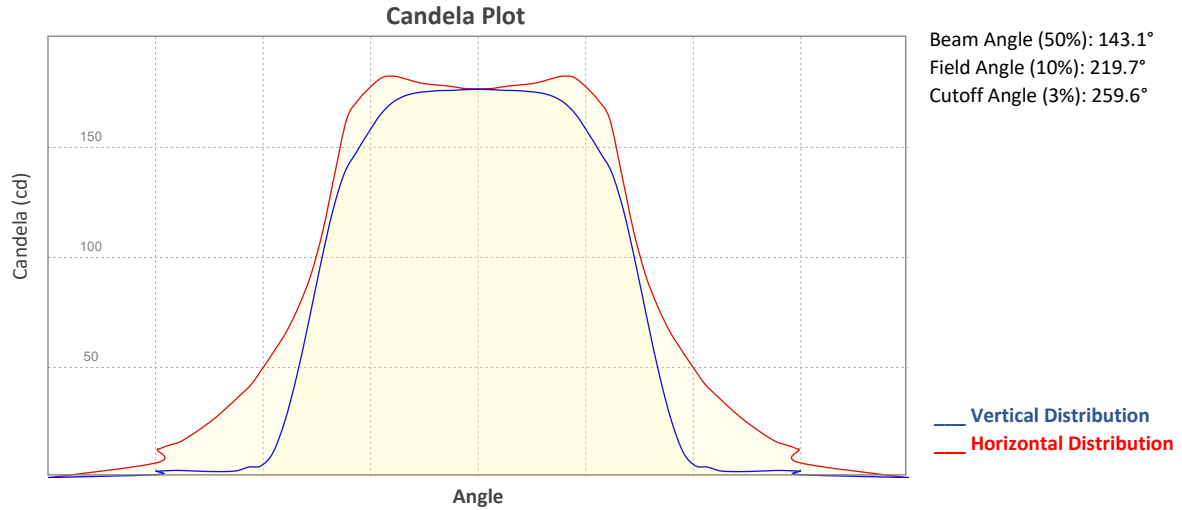


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	176	44	20	11	7	5	4	3	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	1	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	16	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

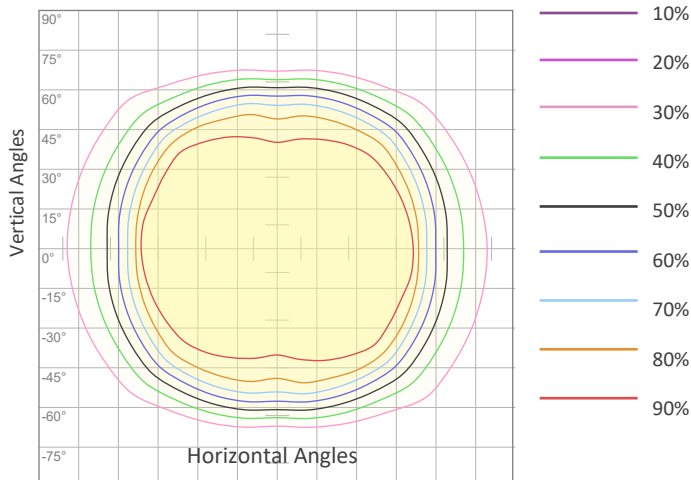
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4000K



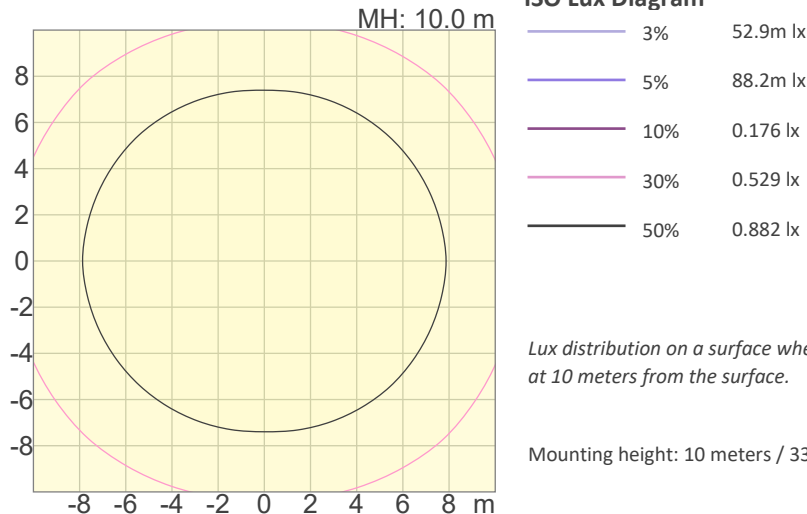
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 176 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.76 lx

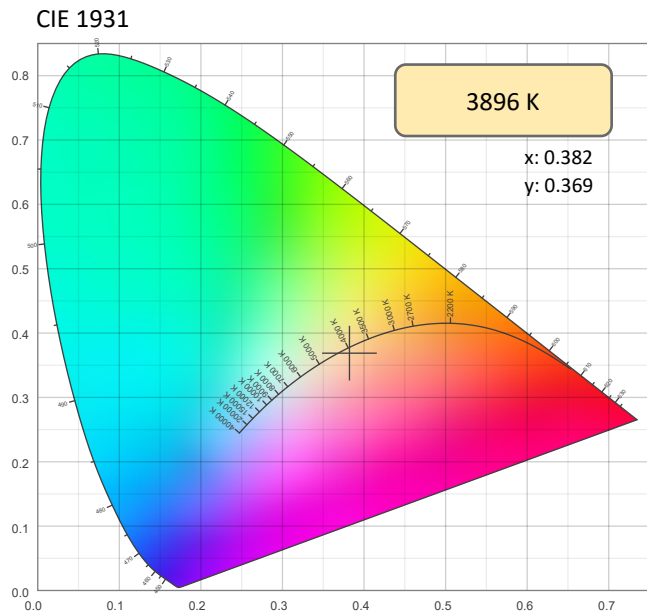
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

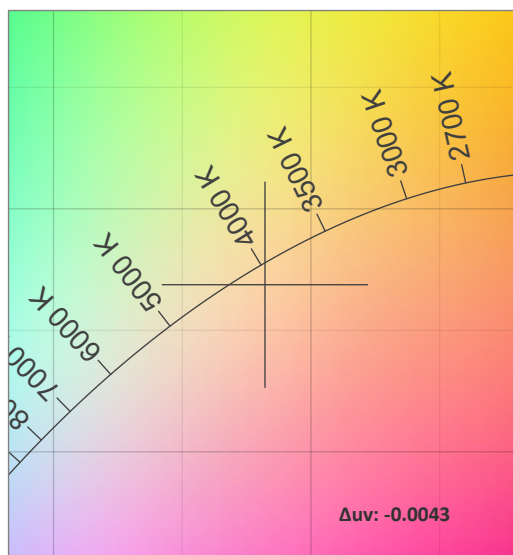
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4000K

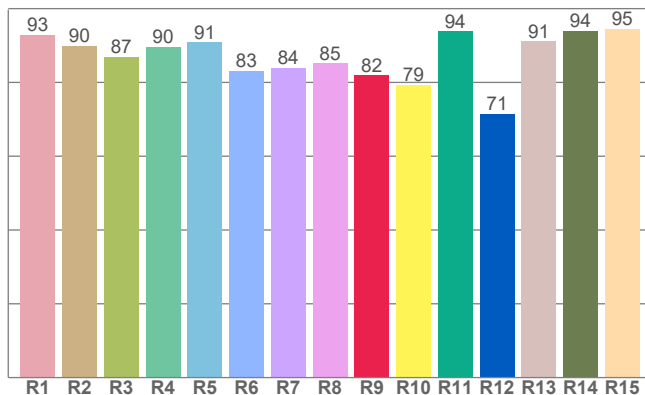
Chromaticity



CIE 1931 - Zoom



CRI: 87.8 (R1-R8)

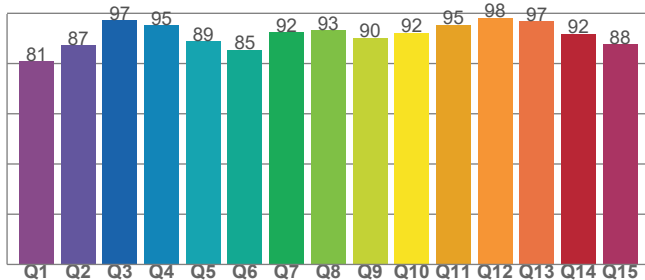


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3896 K	0.382	0.369

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0043	0.369	0.229

CQS: 90.3



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
87.8	81.9	90.3

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
87	83.7	93.5

Photometric & Chromaticity Report

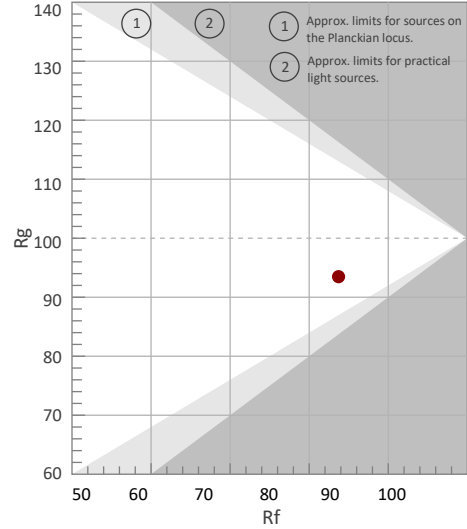
Logic Cove M: Very Wide Filter - 4000K

TM-30 Details

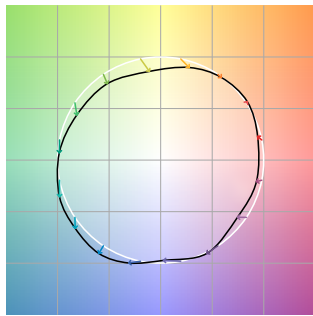
Rf 83.7
Fidelity Index (Rg)

Rg 93.5
Gammut Index (Rg)

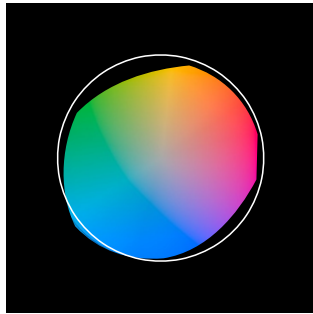
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	87	-3%	4%
2	92	1%	1%
3	91	-1%	-5%
4	81	-7%	-10%
5	80	-14%	-6%
6	85	-10%	2%
7	83	-8%	9%
8	81	-2%	12%
9	79	3%	16%
10	83	6%	9%
11	86	9%	0%
12	80	4%	-11%
13	78	-4%	-16%
14	86	0%	-13%
15	81	-7%	-5%
16	82	-5%	-2%



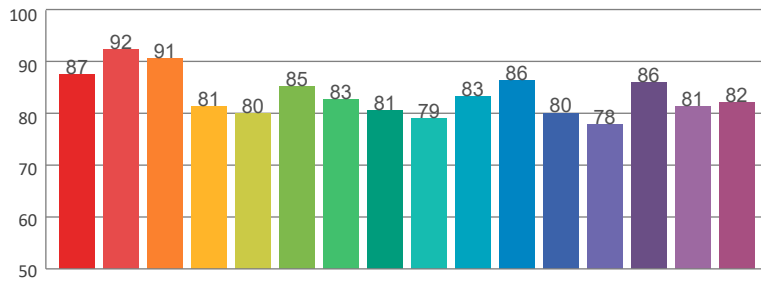
Color Vector Graphic



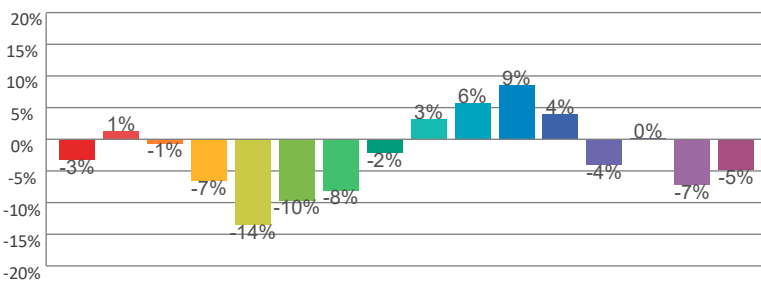
Color Distortion Graphic



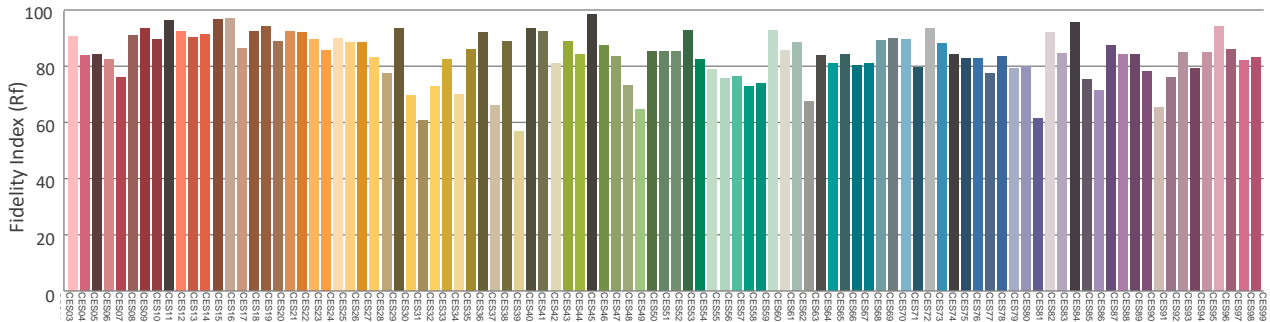
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4500K

Report Summary

Measurements

Fixture Output: 824 lm
Fixture Peak: 172 cd
Fixture Efficacy: 32 lm/W
Intensity @ 5m: 7 lux
Color Temperature: 4477 K
CRI: 82.2 CRI R9 Value: 92.2
CQS: 86.8
TLCI: 86
TM-30 Rf: 80.2
TM-30 Rg: 92.3
Beam Angle (50%): 143.1°
Field Angle (10%): 219.5°
Cutoff Angle (3%): 259.3°

Conditions

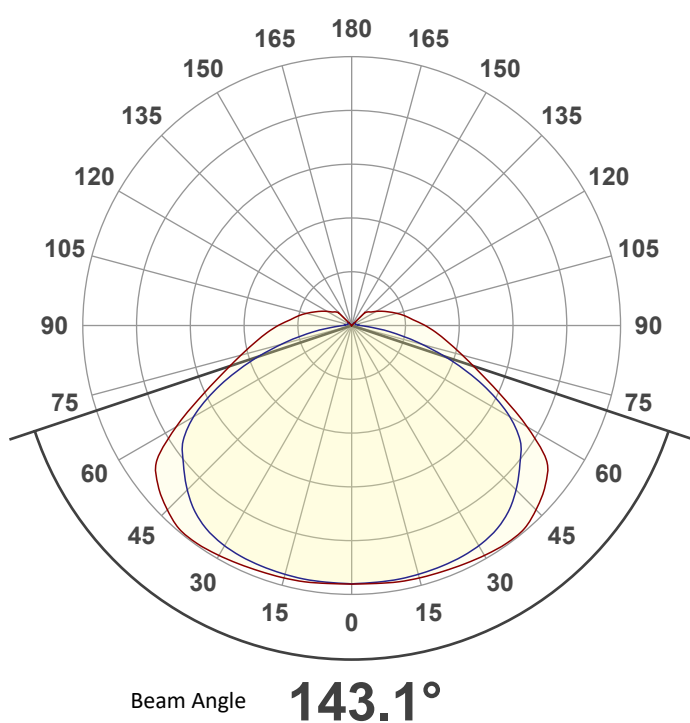
AC Supply: 119 V, 60 Hz
Power: 27.8 W
Current: 0.235 A
Power Factor: 0.92



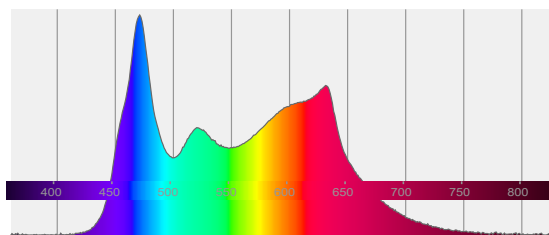
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



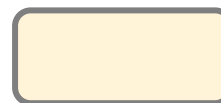
Spectral Distribution



Tested Color (CIE 1931):

X: 0.359

Y: 0.349



Light Quality

CRI: 82.2

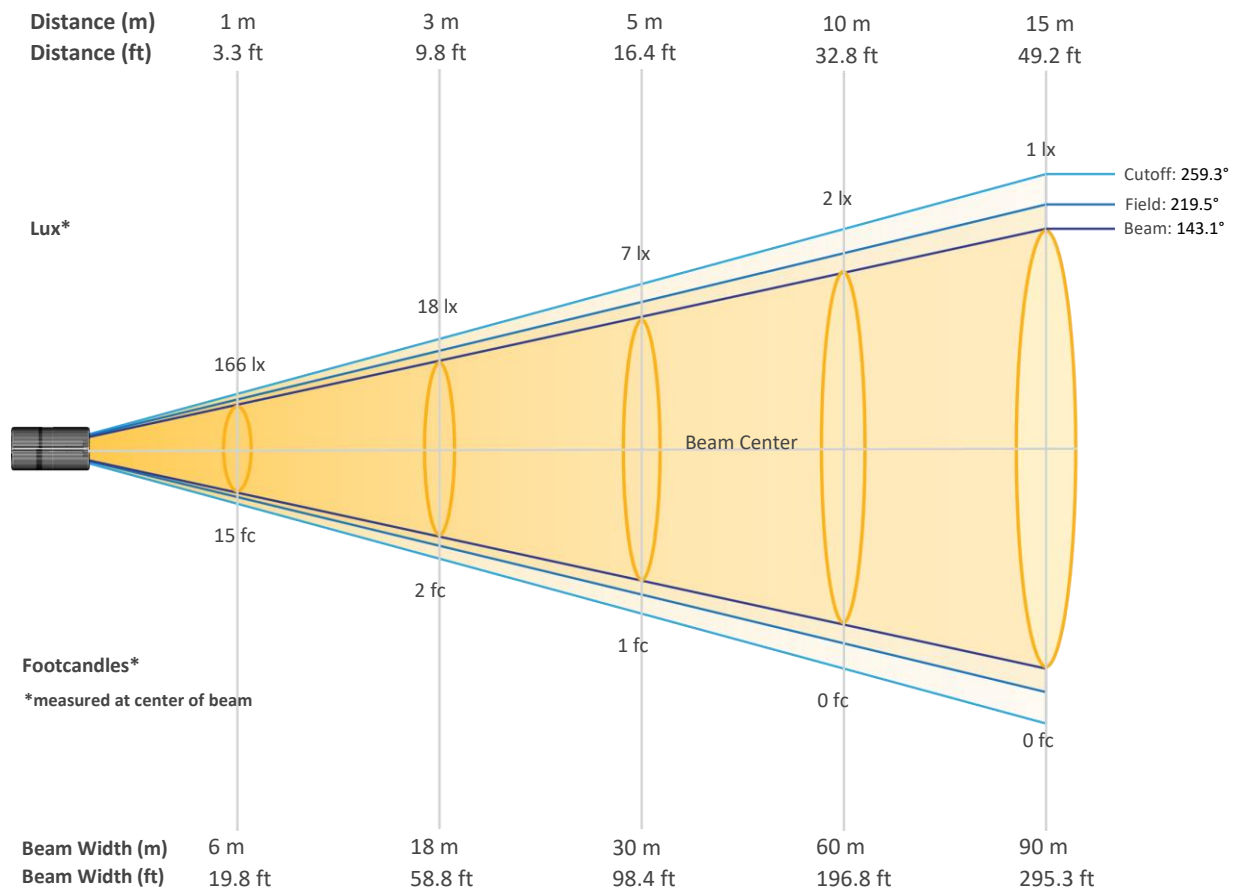
Color Temperature

4477 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4500K

Beam Details

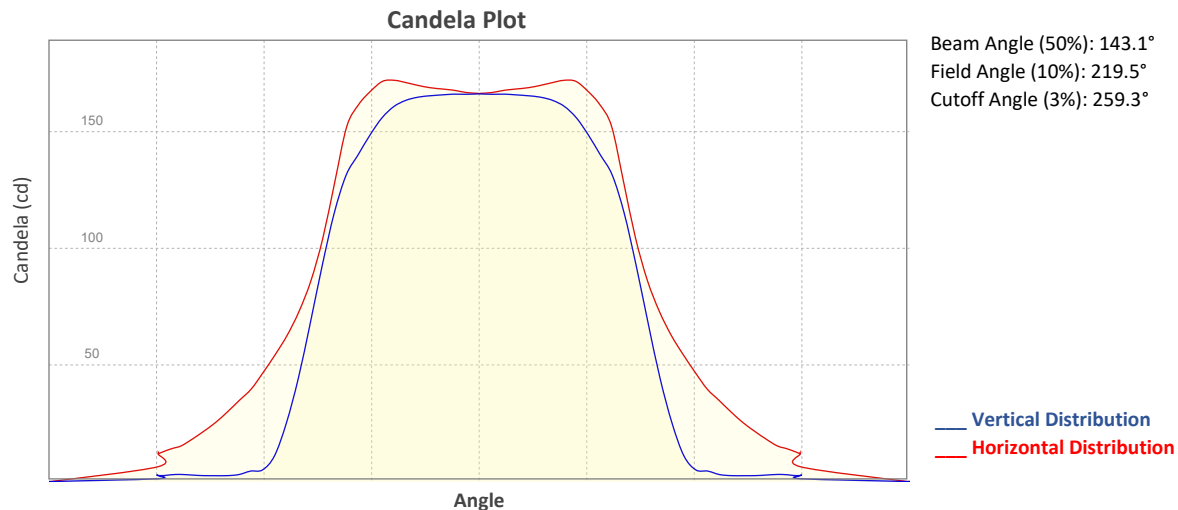


Beam Intensities from 1-20m (3.3-65.6ft)

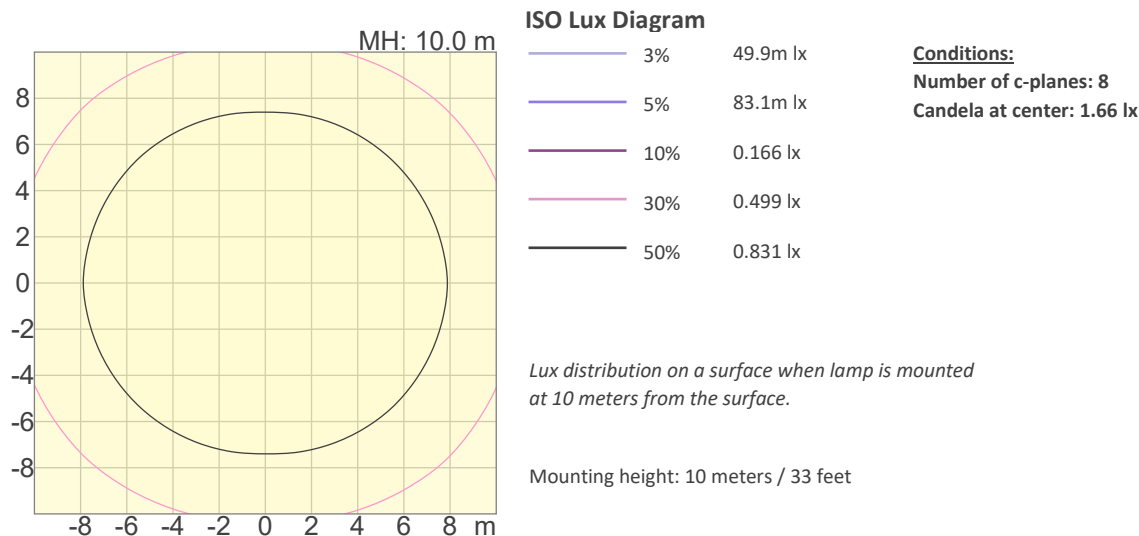
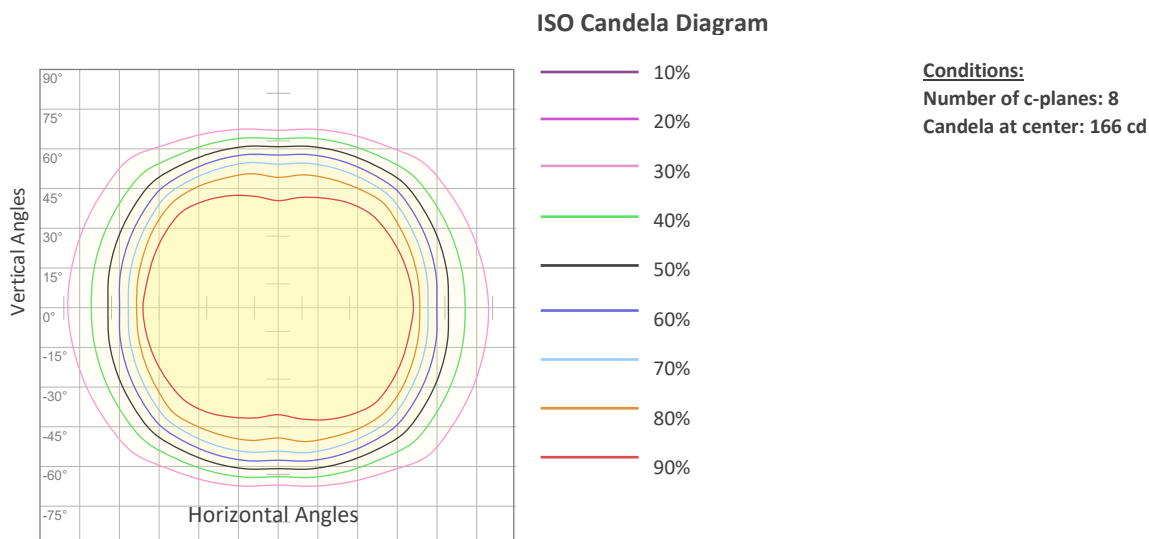
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	166	42	18	10	7	5	3	3	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	1	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 4500K



ISO Diagrams

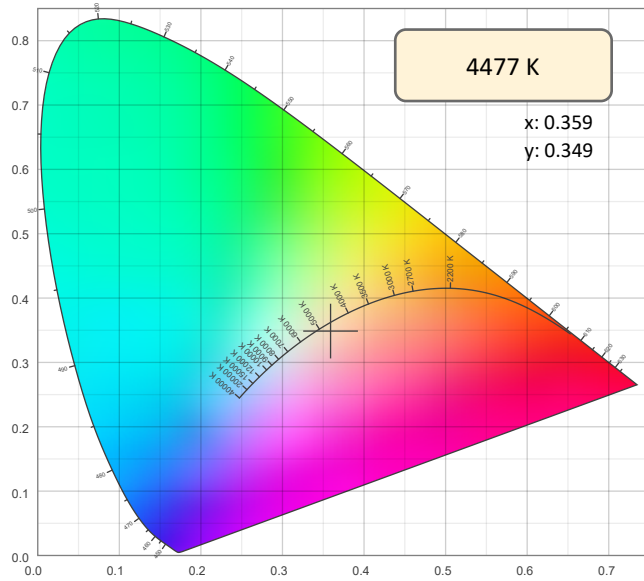


Photometric & Chromaticity Report

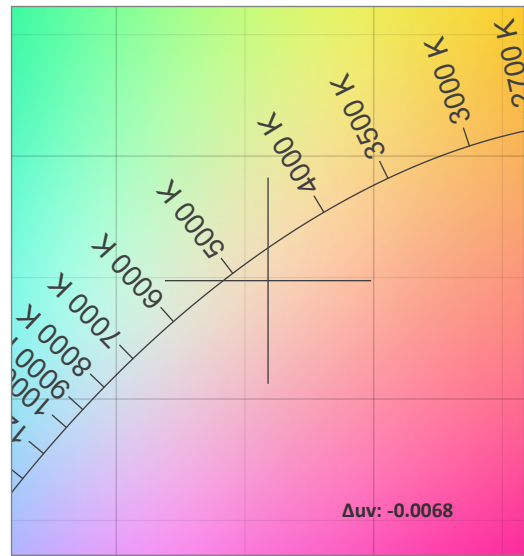
Logic Cove M: Very Wide Filter - 4500K

Chromaticity

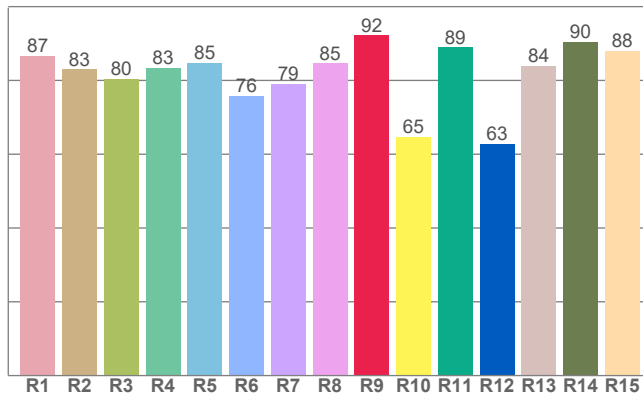
CIE 1931



CIE 1931 - Zoom



CRI: 82.2 (R1-R8)

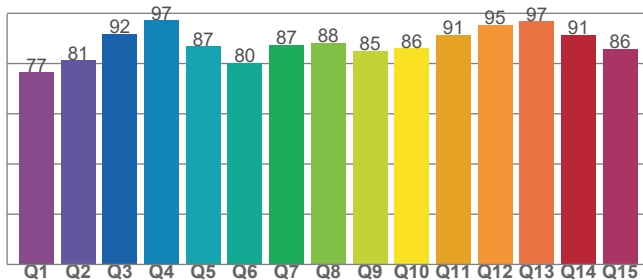


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
4477 K	0.359	0.349

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0068	0.349	0.222

CQS: 86.8



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
82.2	92.2	86.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
86	80.2	92.3

Photometric & Chromaticity Report

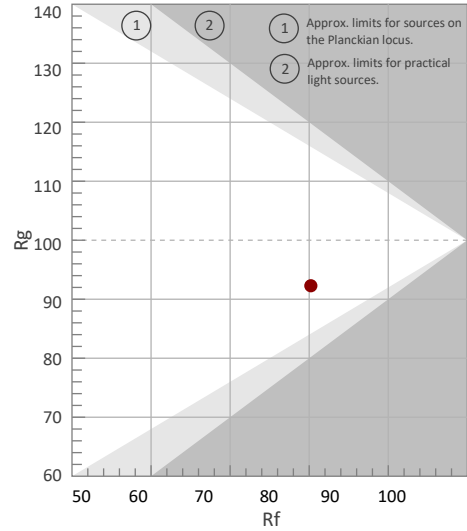
Logic Cove M: Very Wide Filter - 4500K

TM-30 Details

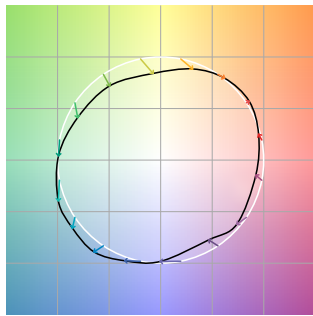
Rf 80.2
Fidelity Index (Rg)

Rg 92.3
Gammut Index (Rg)

		Graphic shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	85	-2%	6%
2	90	3%	0%
3	86	0%	-7%
4	76	-7%	-13%
5	75	-16%	-9%
6	81	-13%	1%
7	79	-10%	10%
8	76	-2%	15%
9	76	5%	19%
10	82	8%	7%
11	81	10%	-4%
12	75	3%	-15%
13	77	-4%	-20%
14	81	-10%	-4%
15	77	-4%	-11%
16	83	-7%	4%



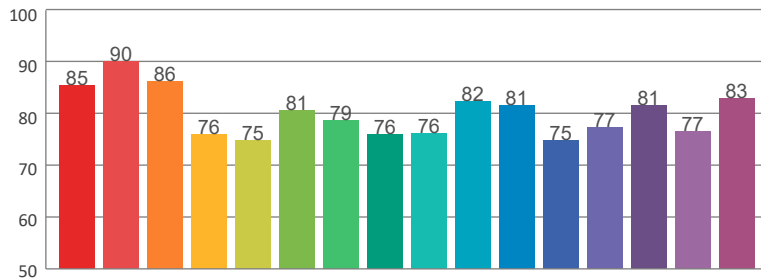
Color Vector Graphic



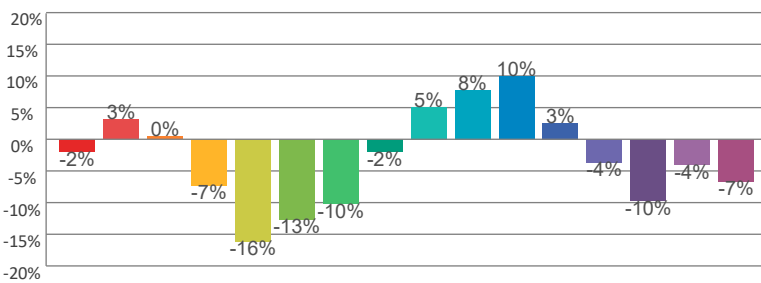
Color Distortion Graphic



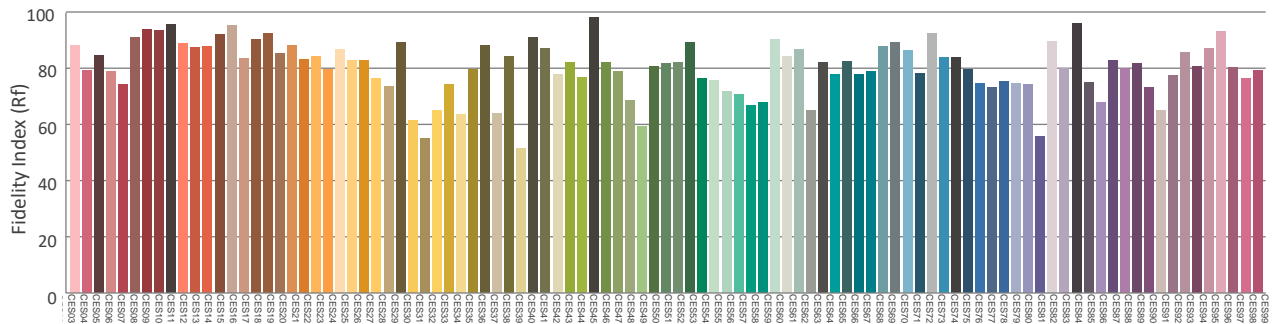
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5000K

Report Summary

Measurements

Fixture Output: 788 lm
Fixture Peak: 165 cd
Fixture Efficacy: 31 lm/W
Intensity @ 5m: 6 lux
Color Temperature: 5054 K
CRI: 77.5 CRI R9 Value: 81.1
CQS: 85.5
TLCI: 84
TM-30 Rf: 77.5
TM-30 Rg: 91.6
Beam Angle (50%): 143.2°
Field Angle (10%): 219.5°
Cutoff Angle (3%): 259.4°

Conditions

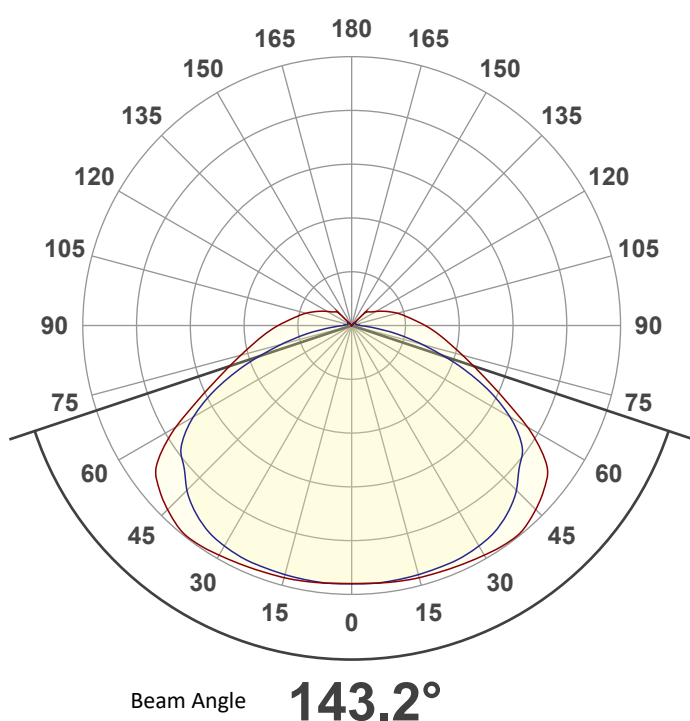
AC Supply: 120 V, 60 Hz
Power: 27.79 W
Current: 0.232 A
Power Factor: 0.92



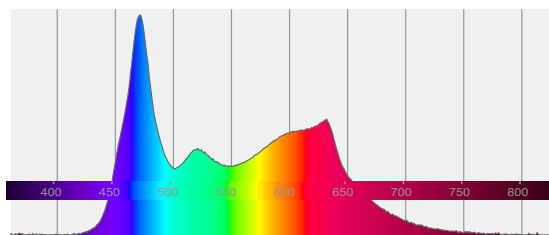
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.342

Y: 0.332



Light Quality

CRI: 77.5

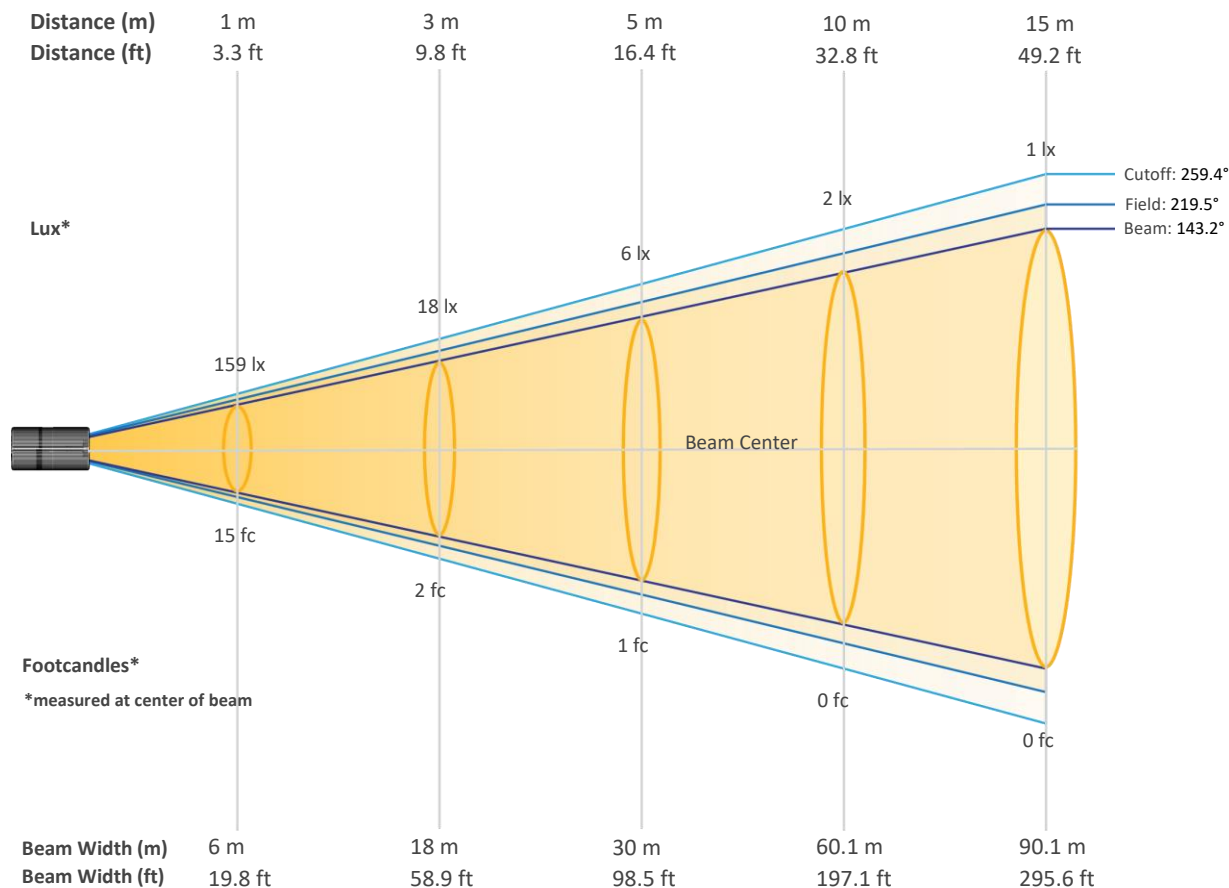
Color Temperature

5054 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5000K

Beam Details

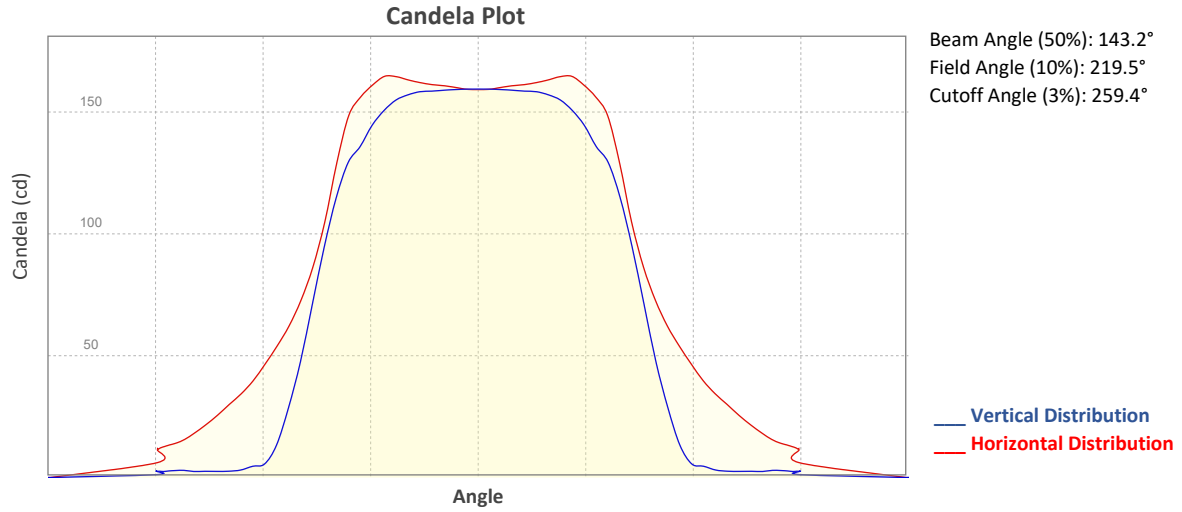


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	159	40	18	10	6	4	3	2	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	15	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

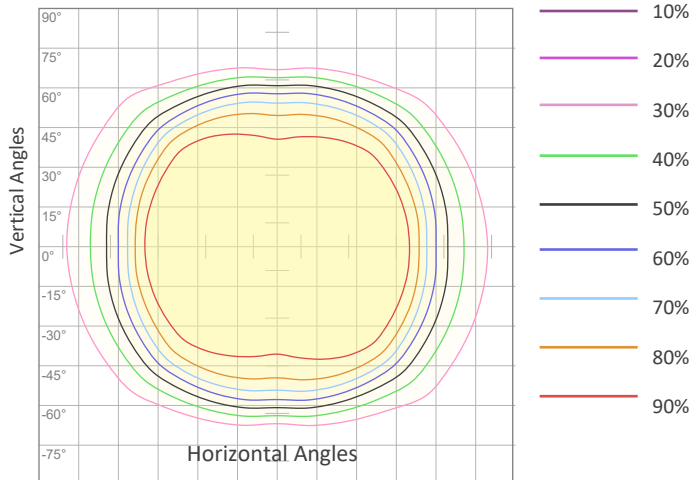
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5000K



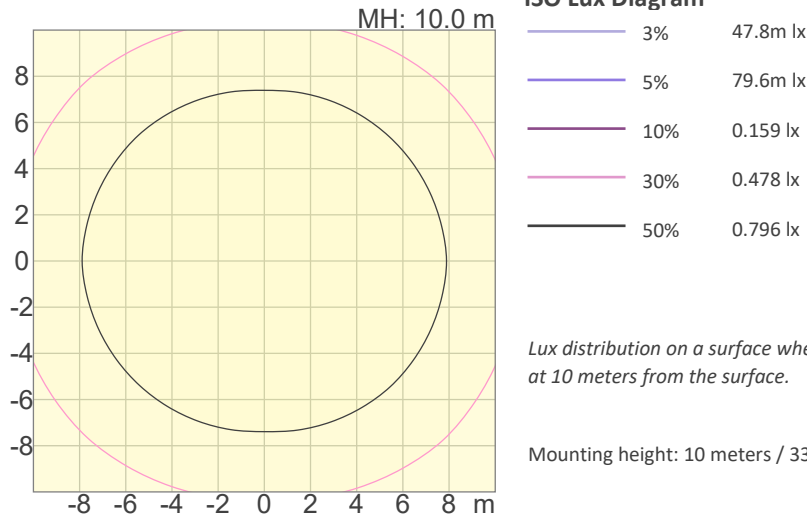
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 159 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.59 lx

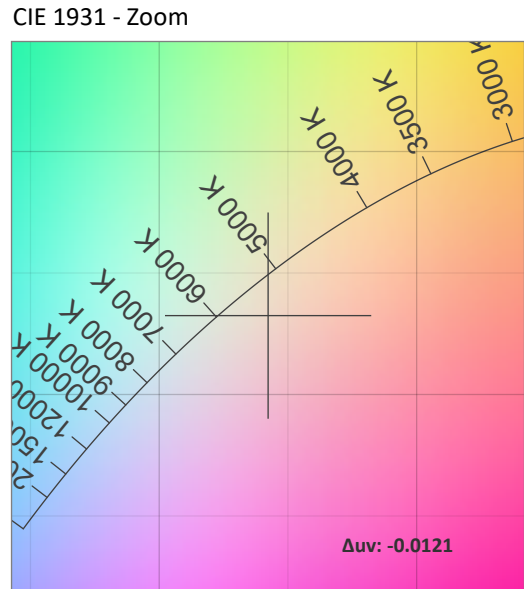
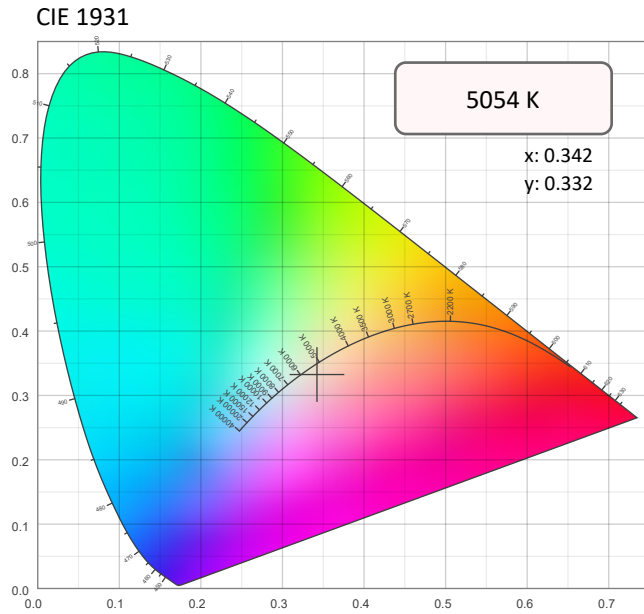
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

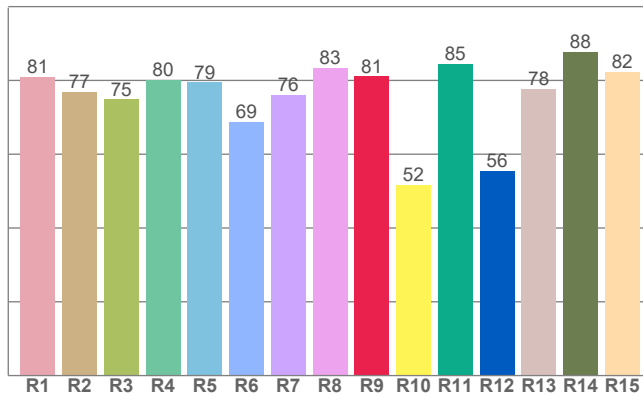
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5000K

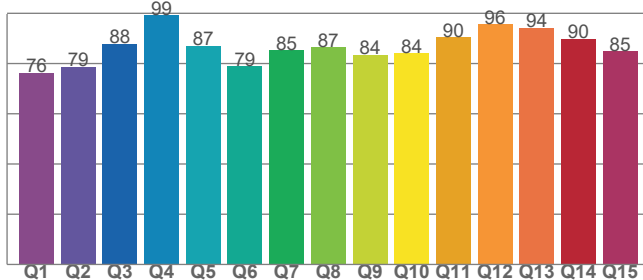
Chromaticity



CRI: 77.5 (R1-R8)



CQS: 85.5



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5054 K	0.342	0.332

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0121	0.332	0.217

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
77.5	81.1	85.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
84	77.5	91.6

Photometric & Chromaticity Report

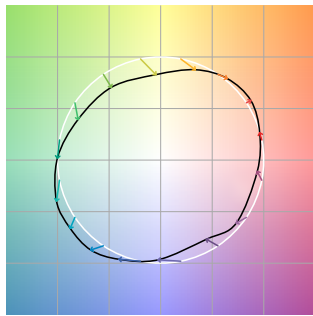
Logic Cove M: Very Wide Filter - 5000K

TM-30 Details

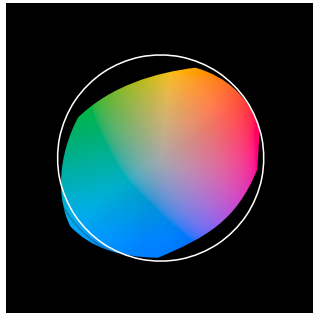
Rf 77.5
Fidelity Index (Rg)

Rg 91.6
Gammut Index (Rg)

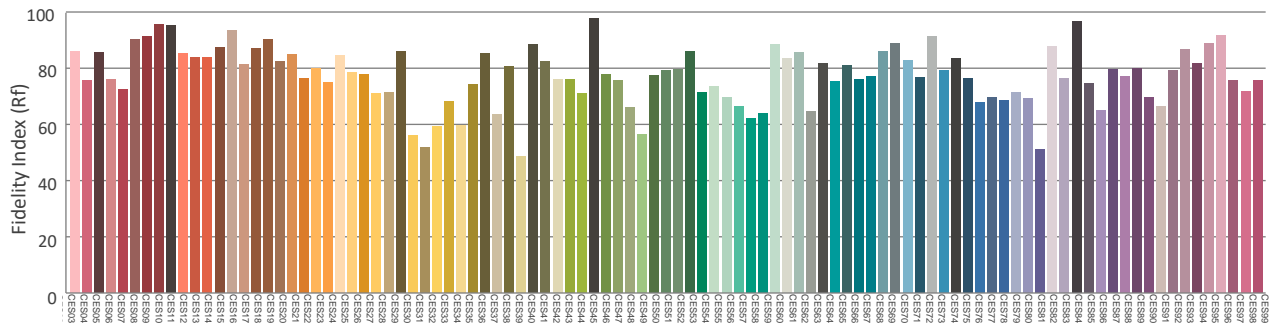
Color Vector Graphic



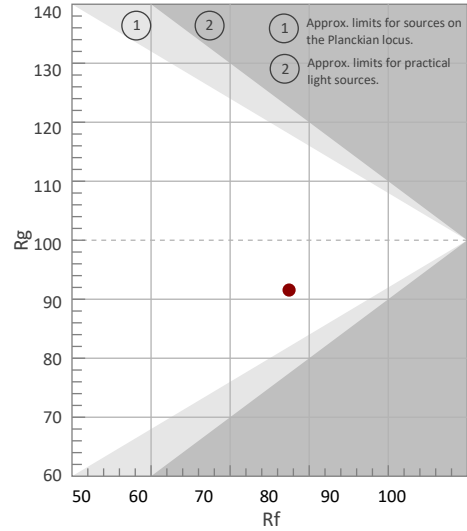
Color Distortion Graphic



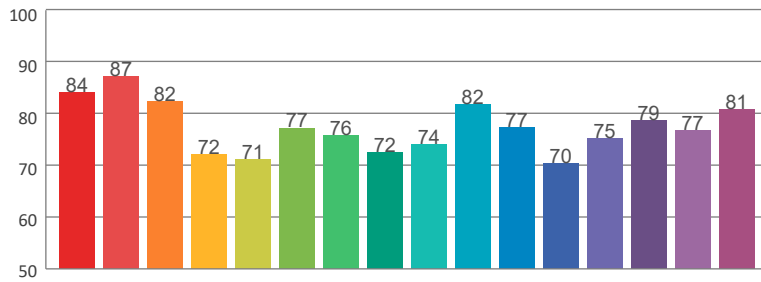
Color Evaluation Sample



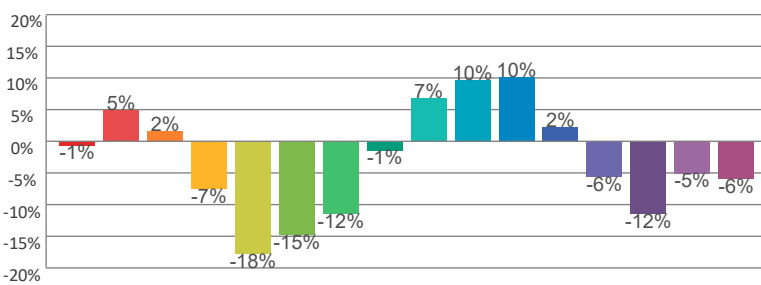
Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	84	-1%	7%
2	87	5%	-1%
3	82	2%	-10%
4	72	-7%	-16%
5	71	-18%	-12%
6	77	-15%	1%
7	76	-12%	12%
8	72	-1%	18%
9	74	7%	19%
10	82	10%	6%
11	77	10%	-8%
12	70	2%	-21%
13	75	-6%	-21%
14	79	-12%	-6%
15	77	-5%	-10%
16	81	-6%	7%



Rf by Hue



Local Chroma Shift by Hue



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5600K

Report Summary

Measurements

Fixture Output: 755 lm
Fixture Peak: 157 cd
Fixture Efficacy: 30 lm/W
Intensity @ 5m: 6 lux
Color Temperature: 5796 K
CRI: 72.2 CRI R9 Value: 63.1
CQS: 81.7
TLCI: 78
TM-30 Rf: 73.2
TM-30 Rg: 89.7
Beam Angle (50%): 143.3°
Field Angle (10%): 219.7°
Cutoff Angle (3%): 260.6°



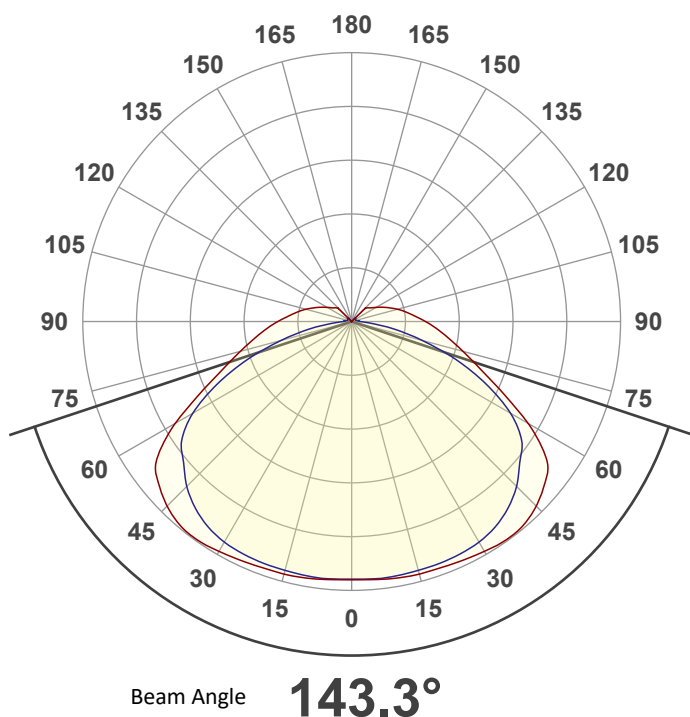
Conditions

AC Supply: 120 V, 60 Hz
Power: 27.79 W
Current: 0.231 A
Power Factor: 0.92

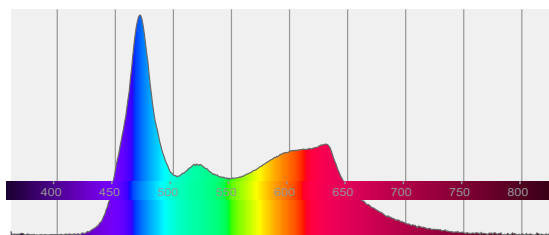
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.327

Y: 0.317



Light Quality

CRI: 72.2

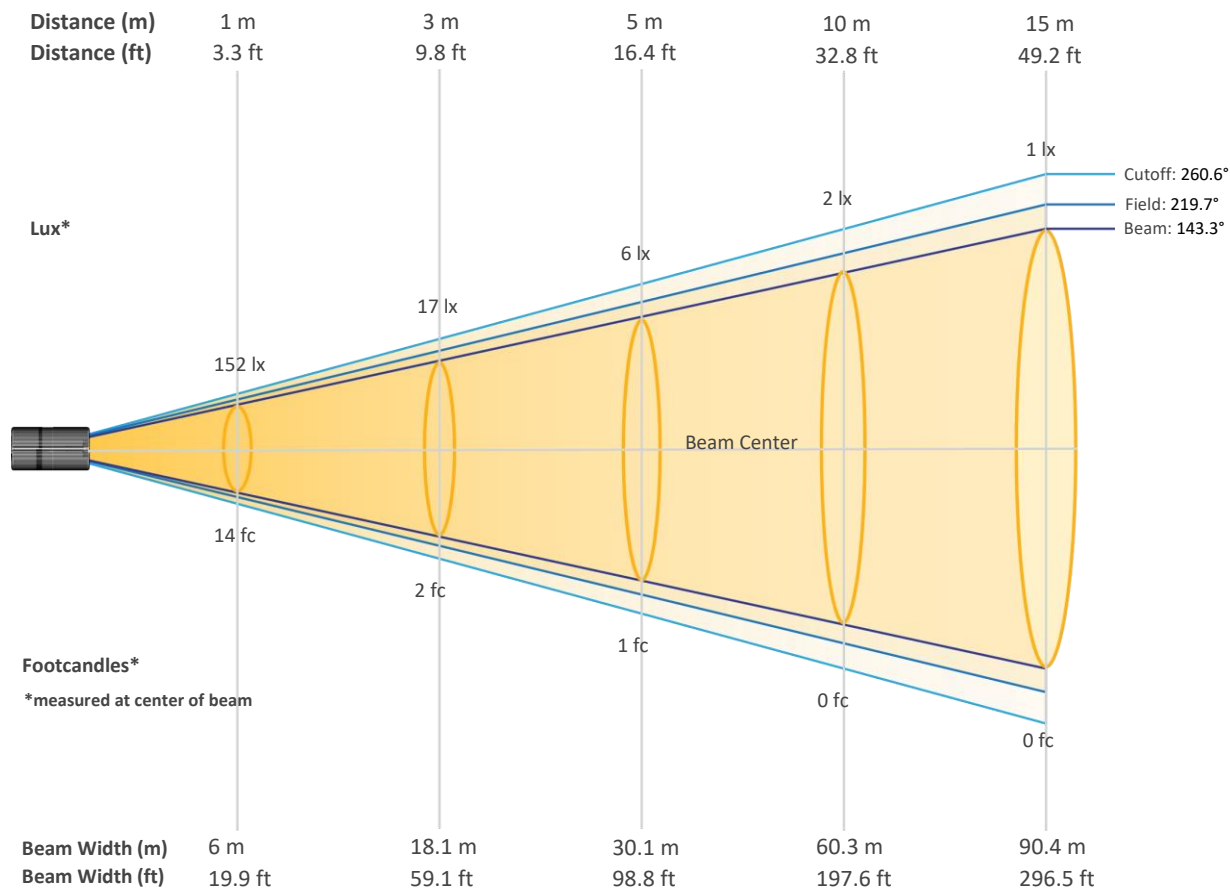
Color Temperature

5796 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5600K

Beam Details

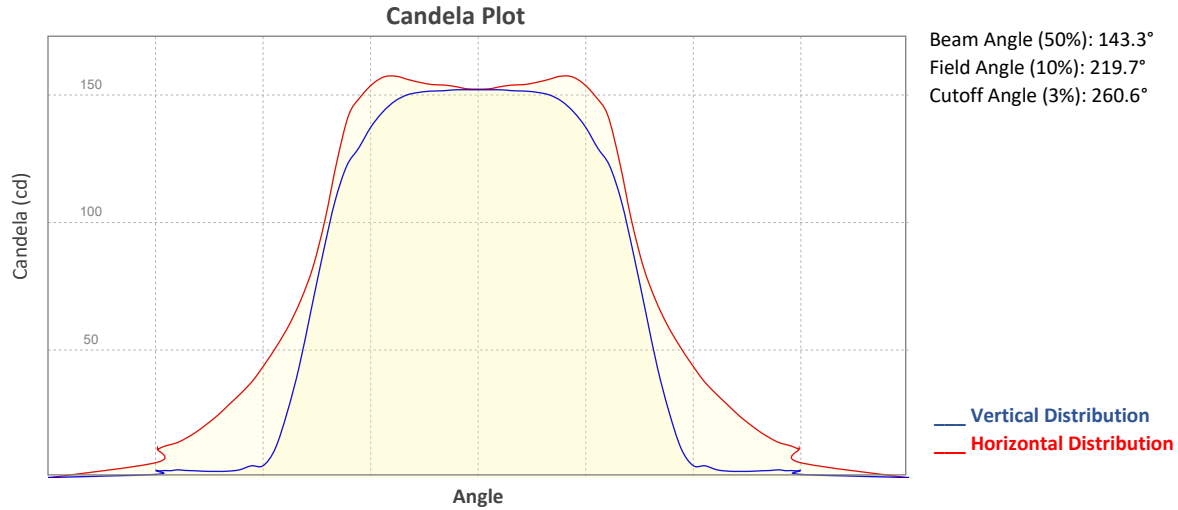


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	152	38	17	10	6	4	3	2	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

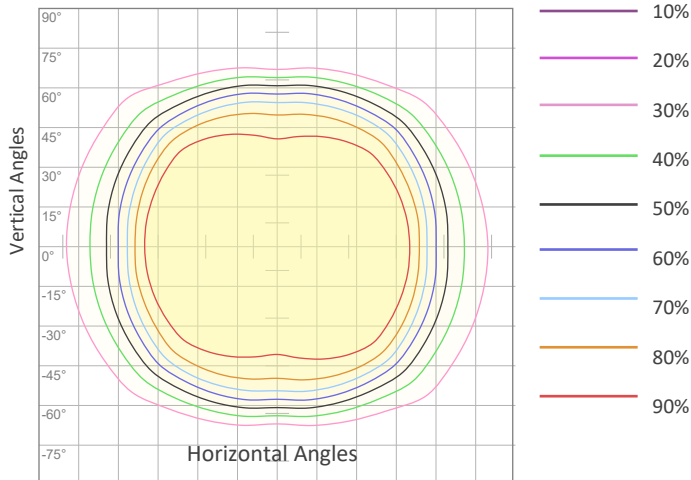
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 5600K



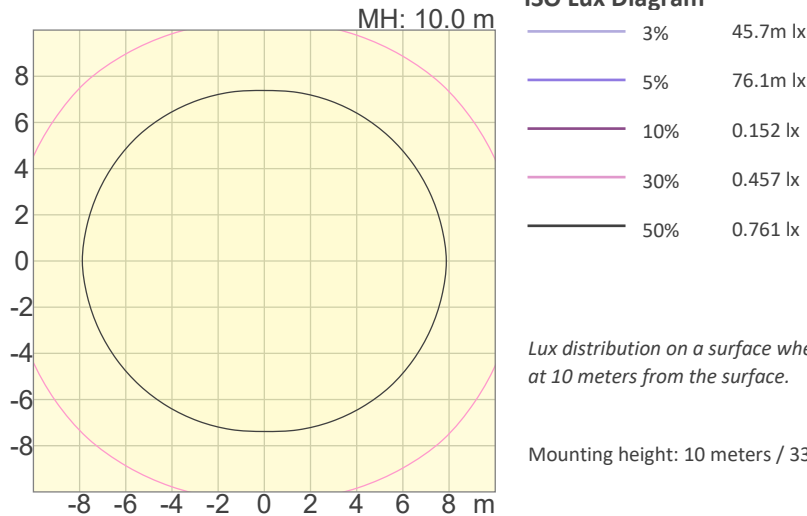
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 152 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.52 lx

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

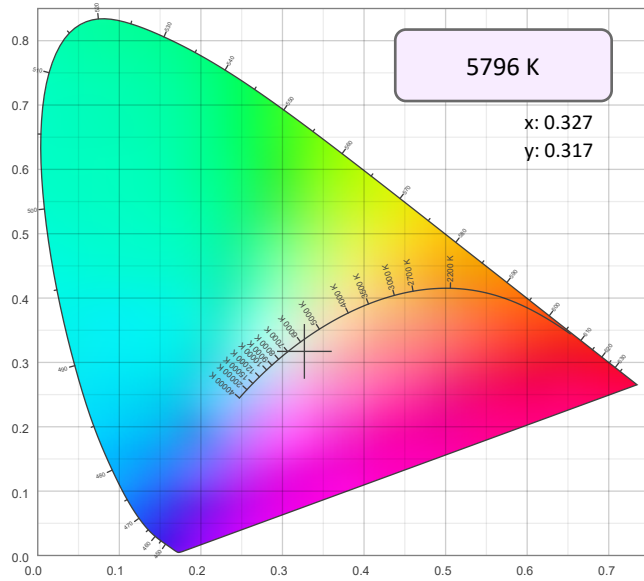
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

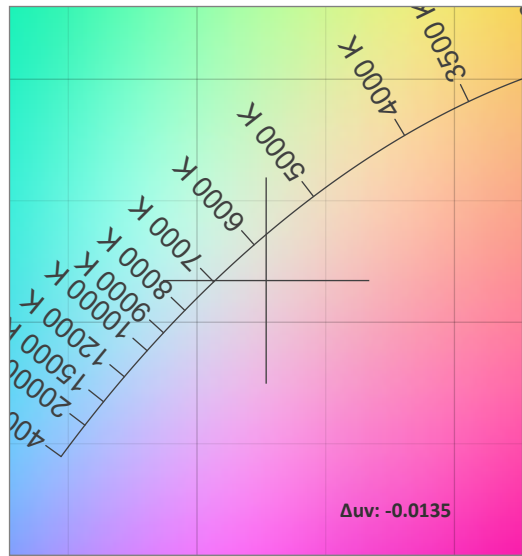
Logic Cove M: Very Wide Filter - 5600K

Chromaticity

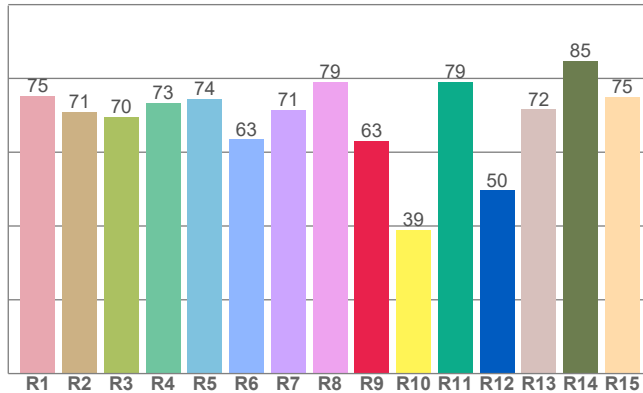
CIE 1931



CIE 1931 - Zoom



CRI: 72.2 (R1-R8)

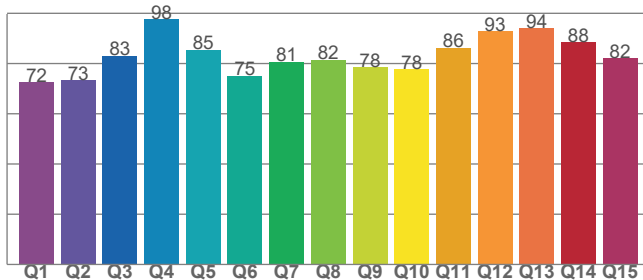


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5796 K	0.327	0.317

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0135	0.317	0.213

CQS: 81.7



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
72.2	63.1	81.7

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
78	73.2	89.7

Photometric & Chromaticity Report

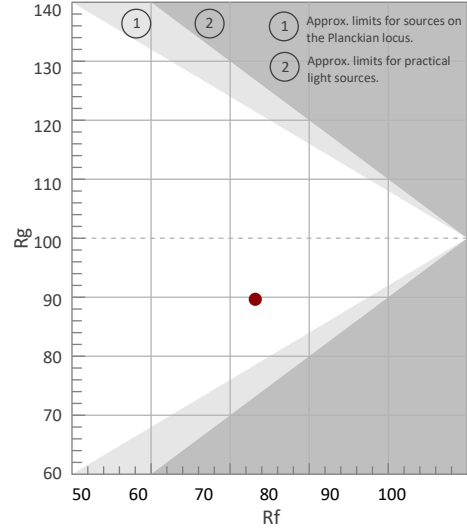
Logic Cove M: Very Wide Filter - 5600K

TM-30 Details

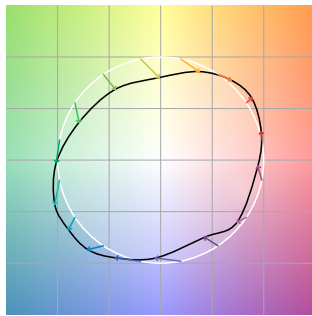
Rf 73.2
Fidelity Index (Rg)

Rg 89.7
Gammut Index (Rg)

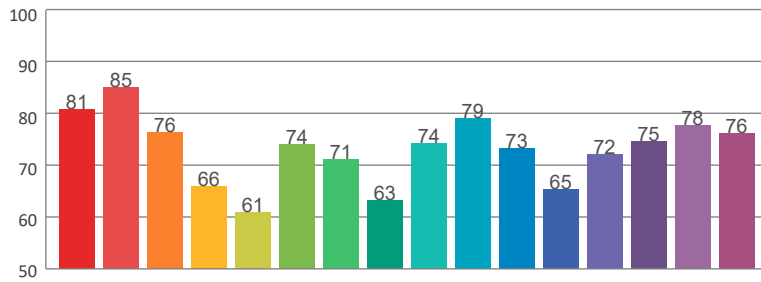
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	1%	8%
2	85	7%	1%
3	76	2%	-14%
4	66	-9%	-20%
5	61	-21%	-14%
6	74	-19%	-1%
7	71	-14%	13%
8	63	-1%	22%
9	74	9%	22%
10	79	12%	6%
11	73	11%	-10%
12	65	1%	-24%
13	72	-8%	-23%
14	75	-14%	-6%
15	78	-5%	-9%
16	76	-6%	13%



Color Vector Graphic



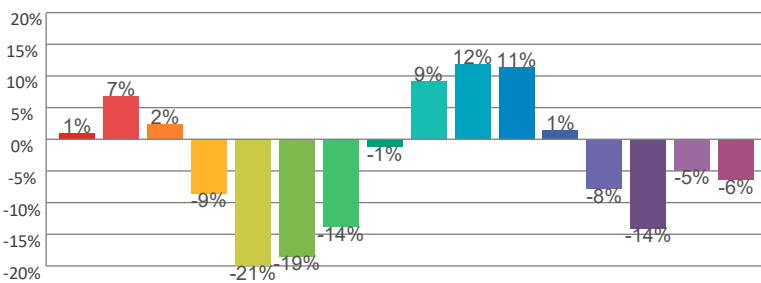
R_f by Hue



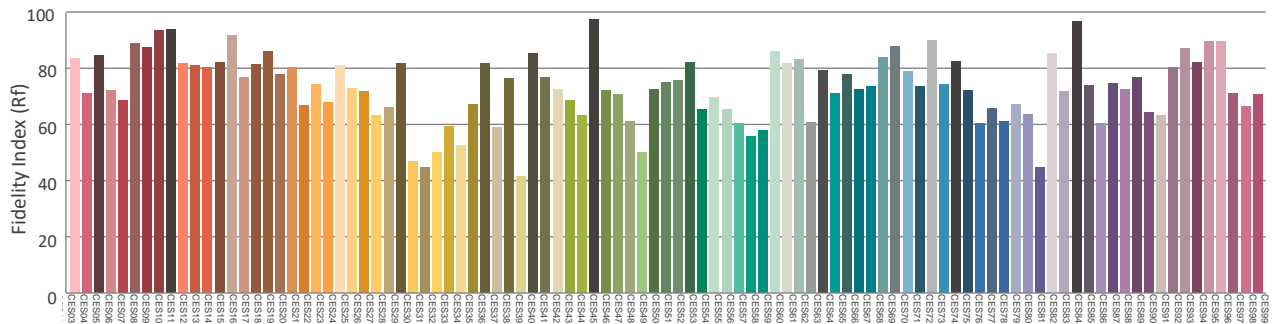
Color Distortion Graphic



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6000K

Report Summary

Measurements

Fixture Output: 752 lm
Fixture Peak: 156 cd
Fixture Efficacy: 29 lm/W
Intensity @ 5m: 6 lux
Color Temperature: 6343 K
CRI: 69.2 CRI R9 Value: 62.2
CQS: 79.5
TLCI: 74
TM-30 Rf: 70.7
TM-30 Rg: 88.1
Beam Angle (50%): 143.2°
Field Angle (10%): 219.3°
Cutoff Angle (3%): 259.9°



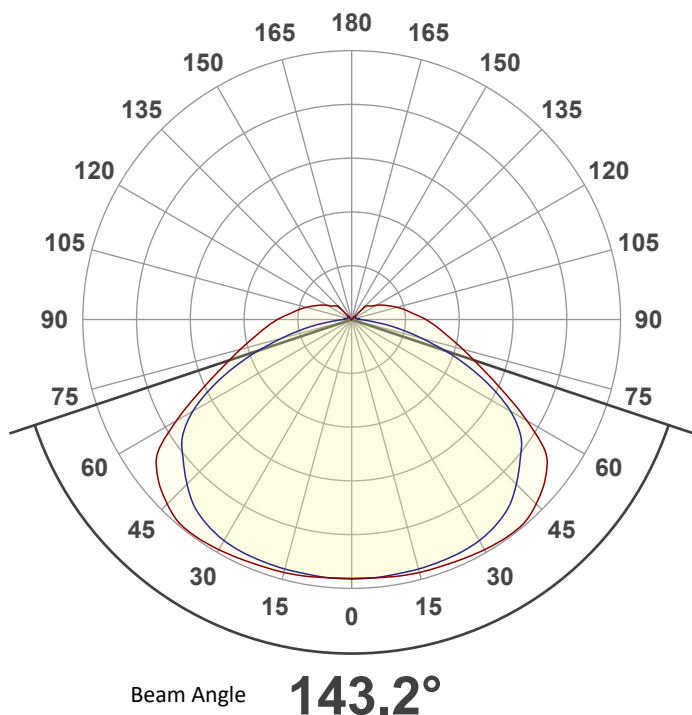
Conditions

AC Supply: 121 V, 60 Hz
Power: 27.99 W
Current: 0.232 A
Power Factor: 0.92

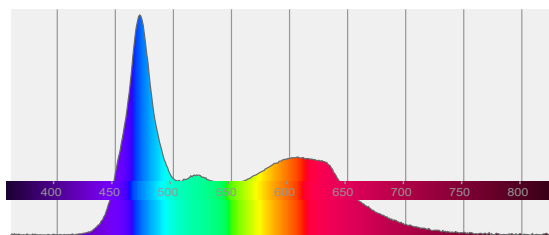
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.318

Y: 0.307



Light Quality

CRI: 69.2

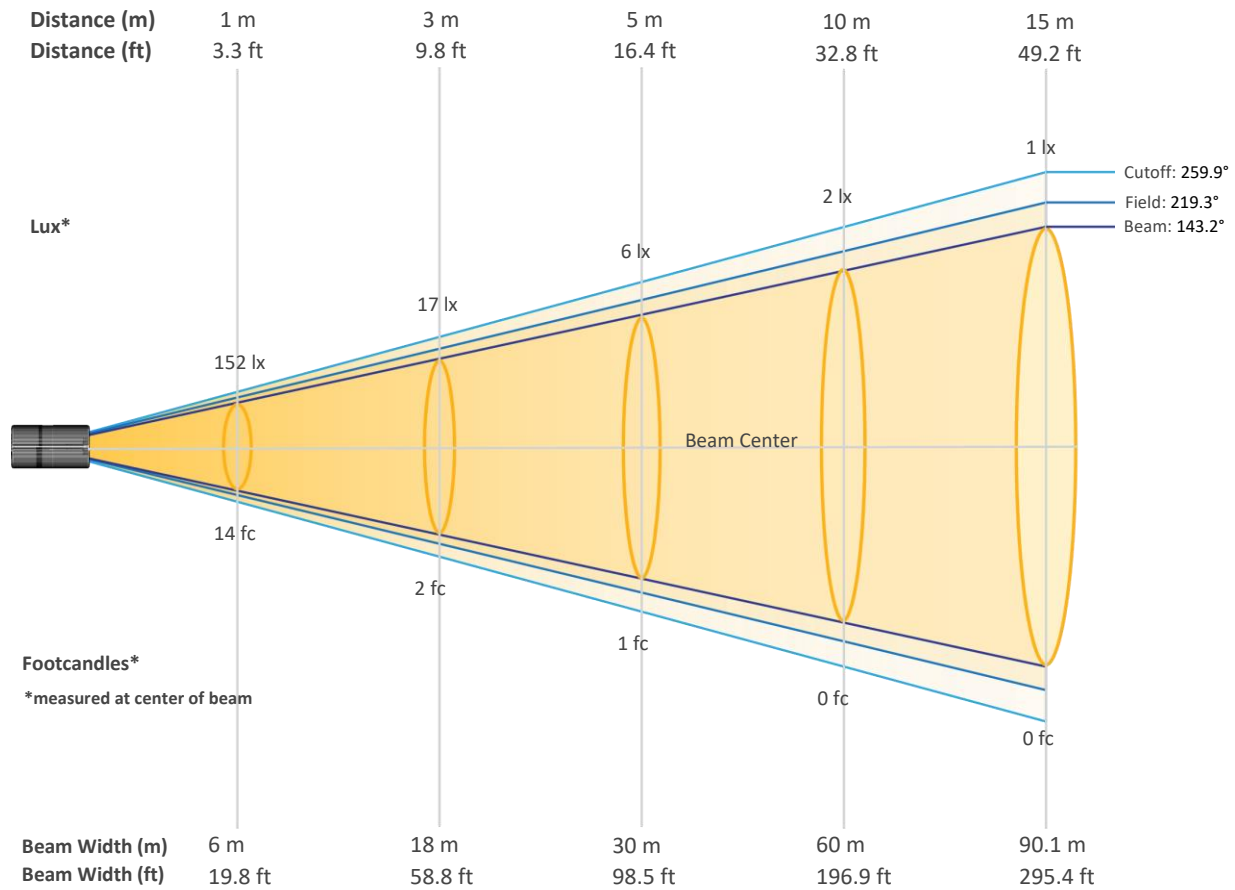
Color Temperature

6343 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6000K

Beam Details

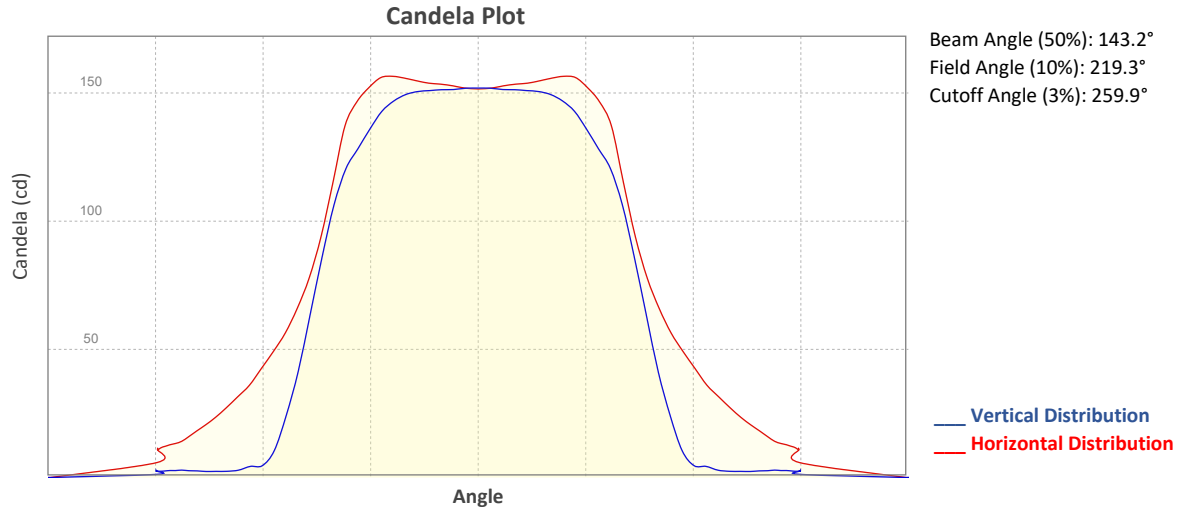


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	152	38	17	9	6	4	3	2	2	2
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14	4	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

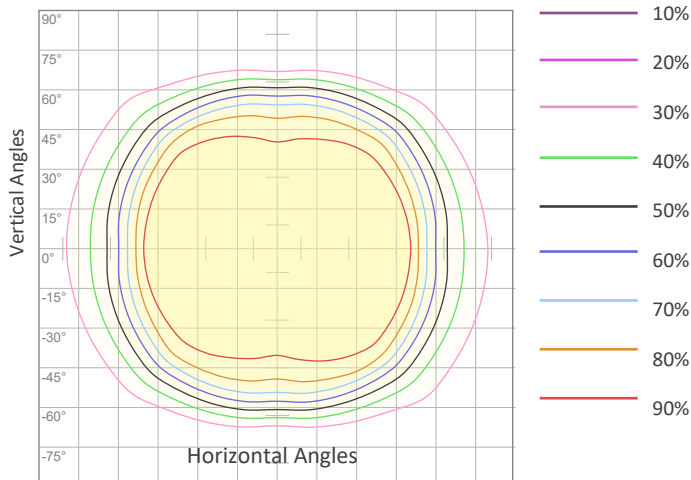
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6000K



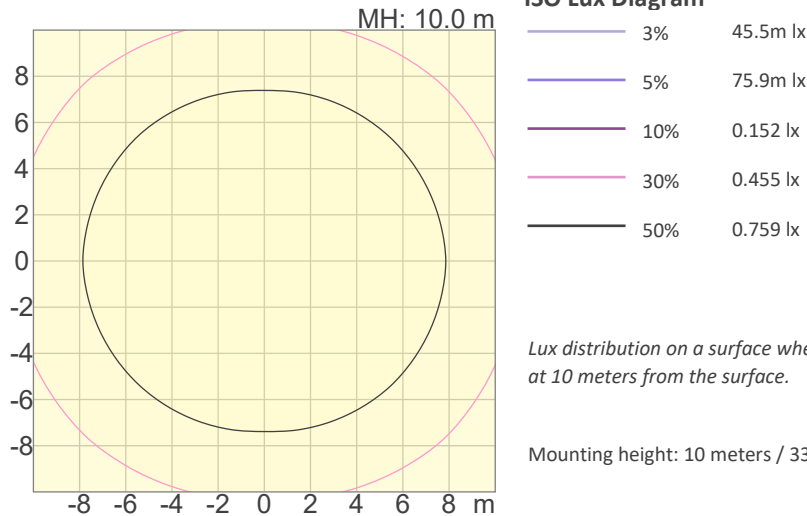
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 152 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.52 lx

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

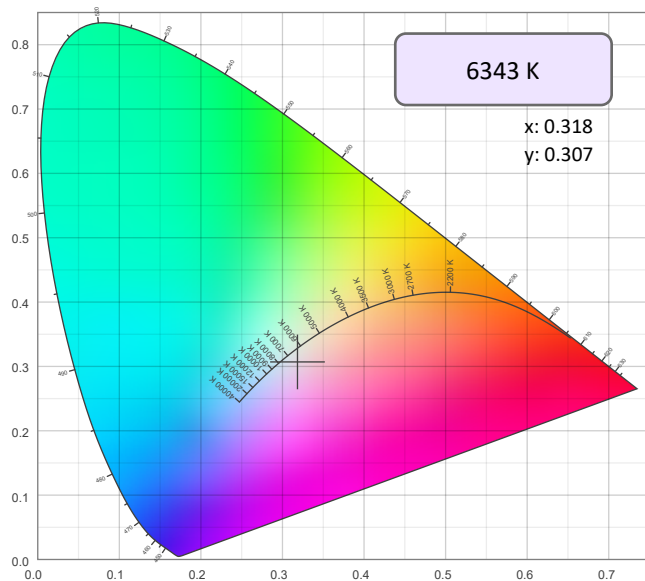
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

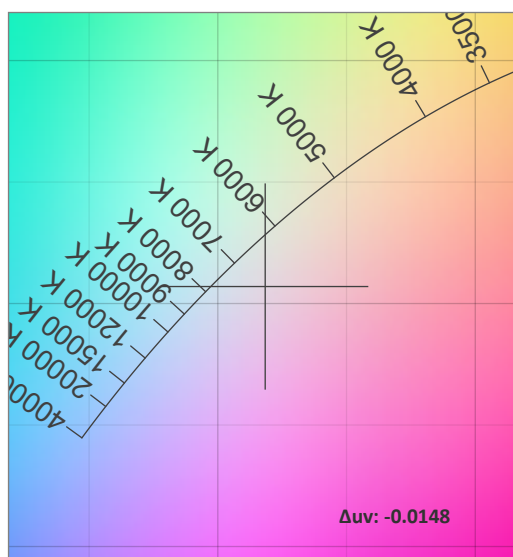
Logic Cove M: Very Wide Filter - 6000K

Chromaticity

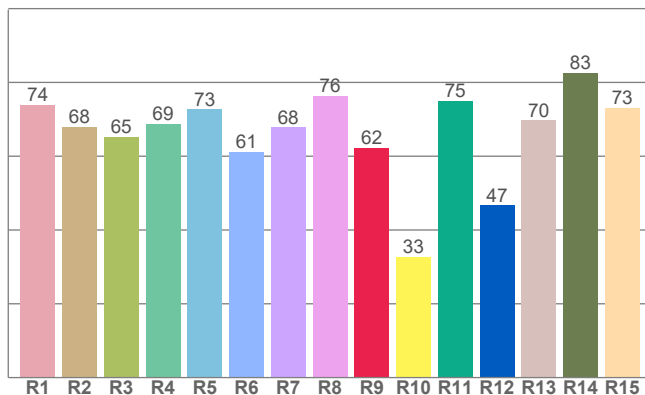
CIE 1931



CIE 1931 - Zoom



CRI: 69.2 (R1-R8)

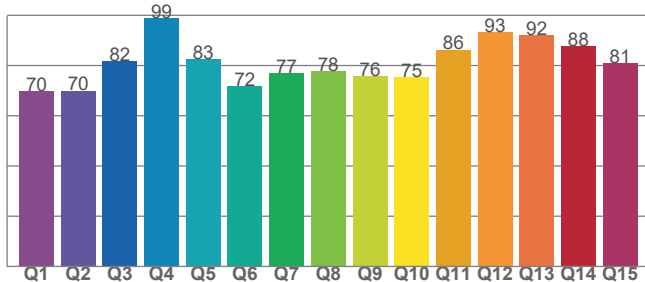


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
6343 K	0.318	0.307

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0148	0.307	0.211

CQS: 79.5



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
69.2	62.2	79.5

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
74	70.7	88.1

Photometric & Chromaticity Report

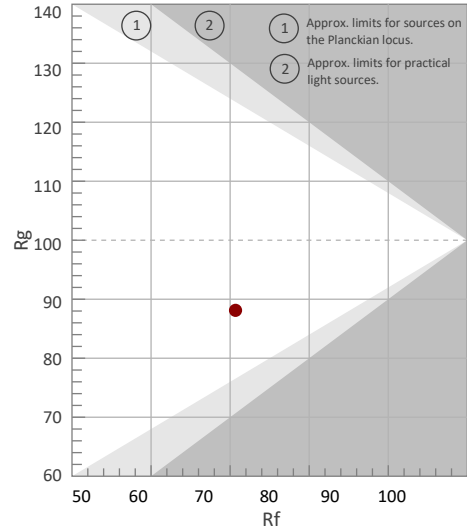
Logic Cove M: Very Wide Filter - 6000K

TM-30 Details

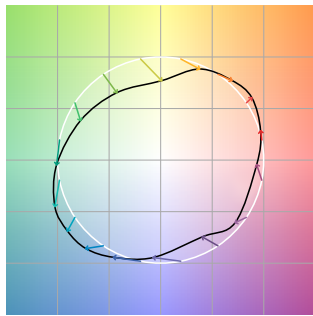
Rf 70.7
Fidelity Index (Rg)

Rg 88.1
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	1%	9%
2	83	7%	1%
3	75	3%	-14%
4	67	-6%	-20%
5	56	-25%	-16%
6	68	-22%	-1%
7	73	-14%	11%
8	60	-2%	24%
9	72	9%	24%
10	76	13%	7%
11	71	12%	-13%
12	62	1%	-27%
13	69	-9%	-26%
14	71	-16%	-8%
15	76	-6%	-10%
16	74	-8%	14%



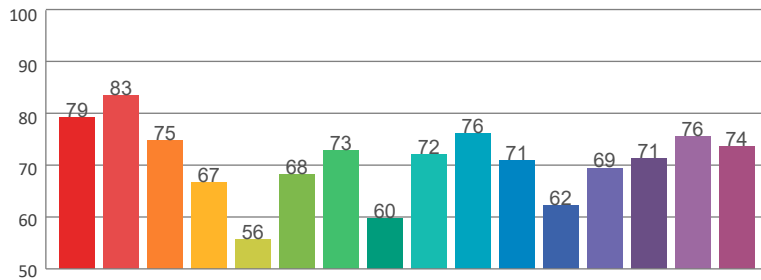
Color Vector Graphic



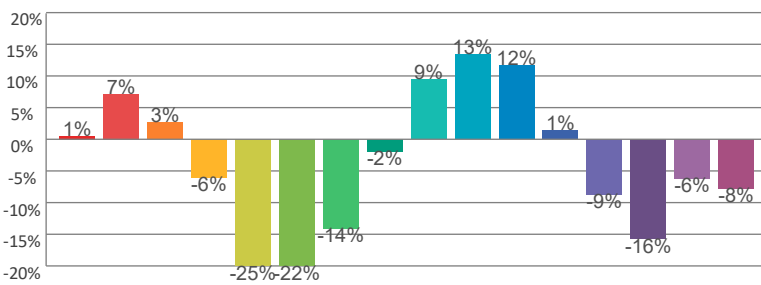
Color Distortion Graphic



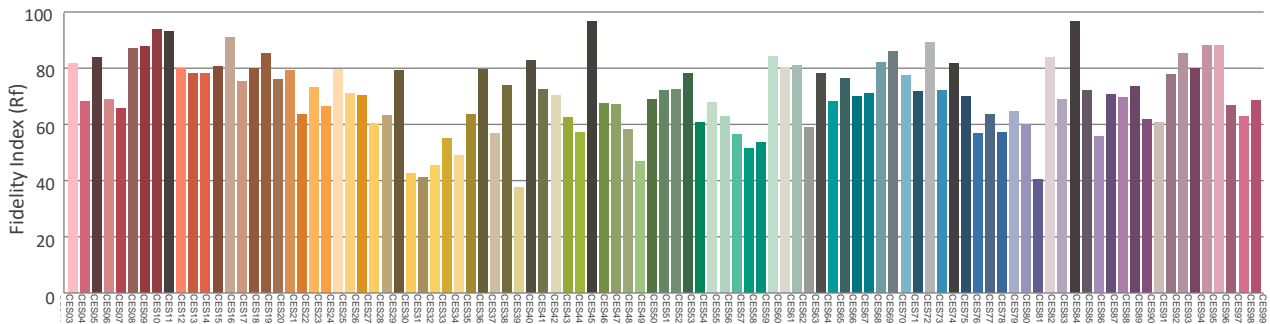
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6500K

Report Summary

Measurements

Fixture Output: 720 lm

Fixture Peak: 150 cd

Fixture Efficacy: 28 lm/W

Intensity @ 5m: 6 lux

Color Temperature: 7112 K

CRI: 64.7 CRI R9 Value: 46.3

CQS: 76.6

TLCI: 70

TM-30 Rf: 67.3

TM-30 Rg: 86.8

Beam Angle (50%): 143.1°

Field Angle (10%): 219°

Cutoff Angle (3%): 259.3°

Conditions

AC Supply: 121 V, 60.1 Hz

Power: 27.79 W

Current: 0.231 A

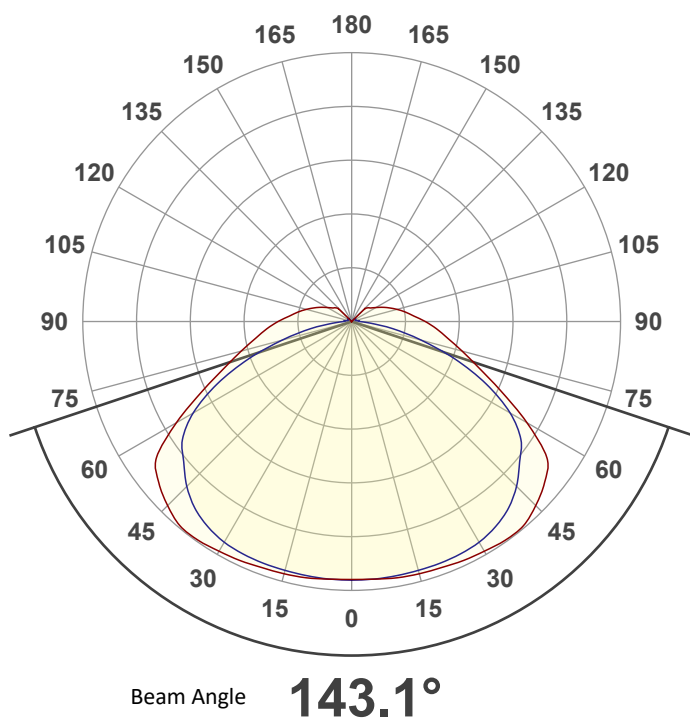
Power Factor: 0.91



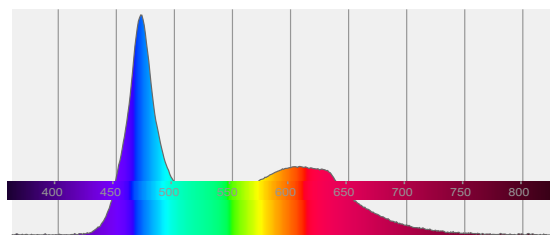
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.309

Y: 0.296



Light Quality

CRI: 64.7

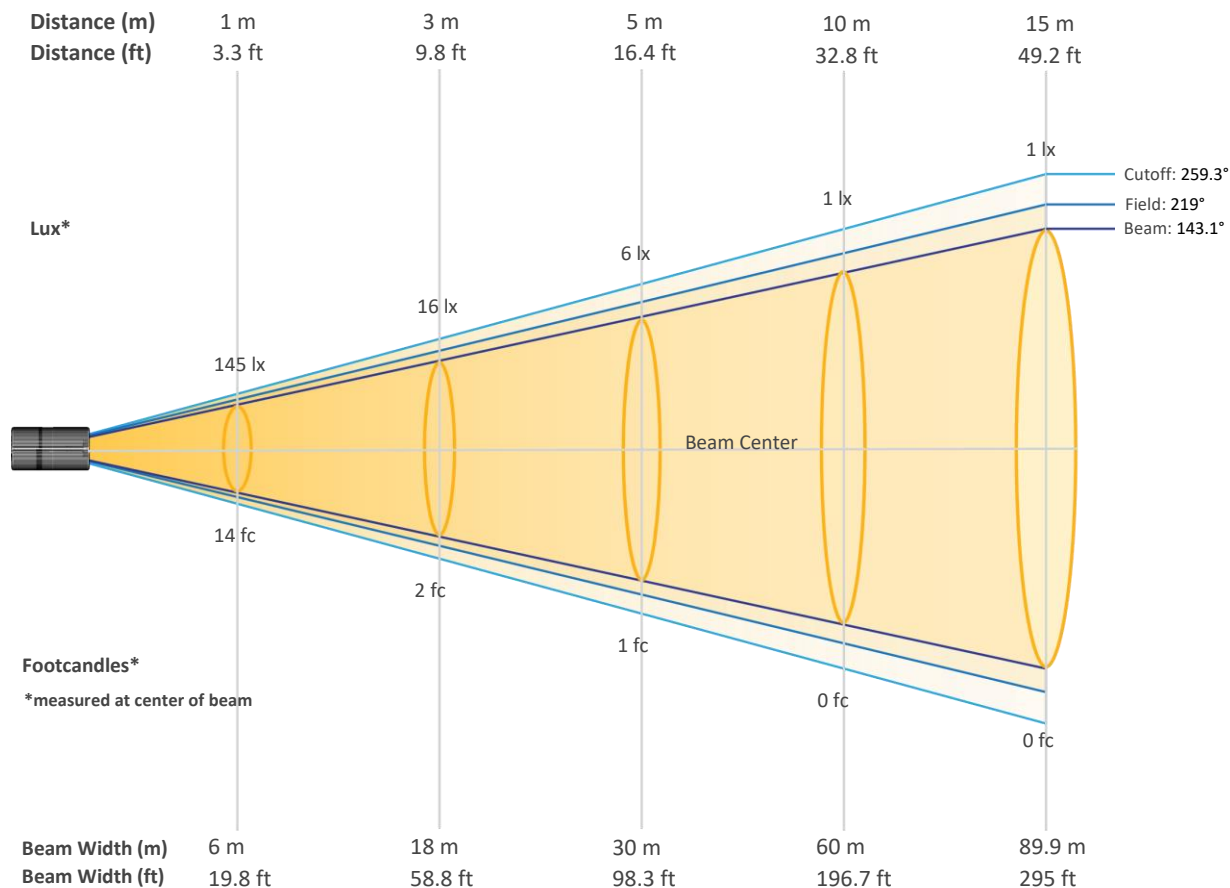
Color Temperature

7112 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6500K

Beam Details

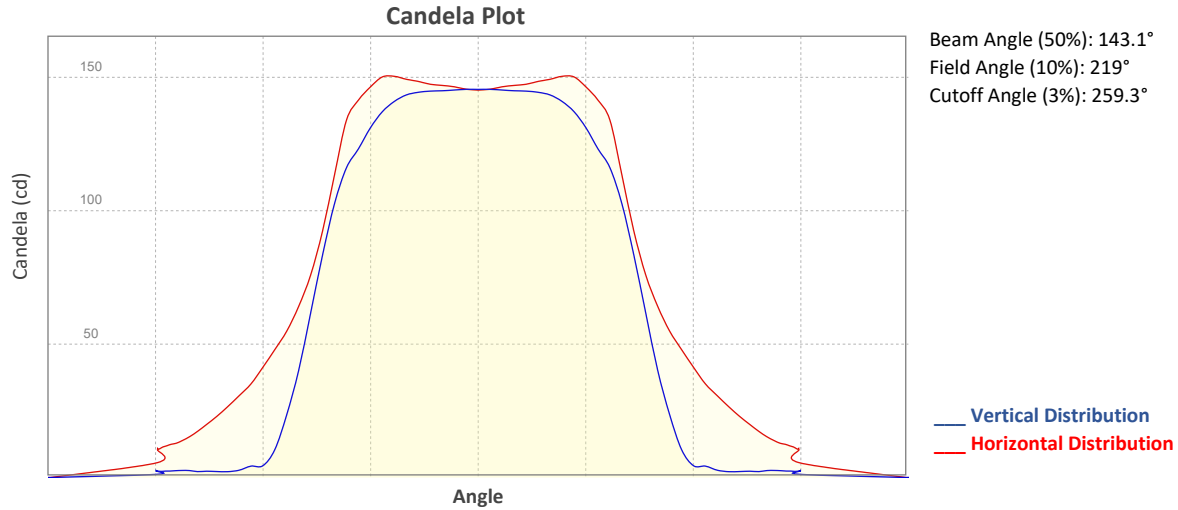


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	145	36	16	9	6	4	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	1	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	14	3	2	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

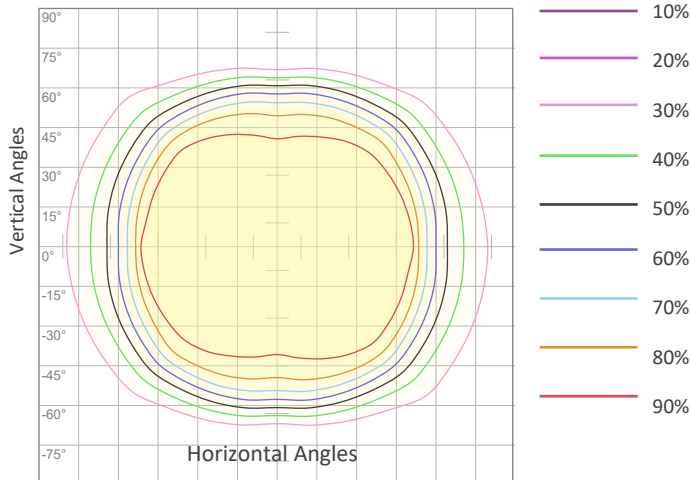
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6500K



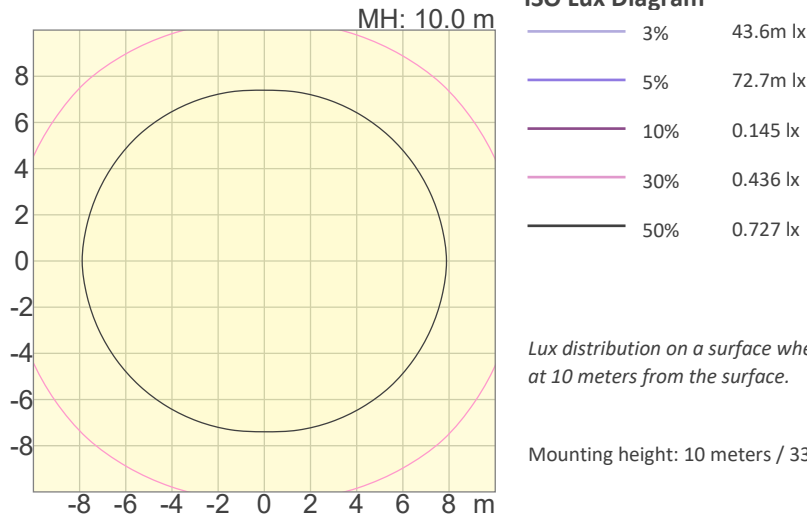
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 145 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.45 lx

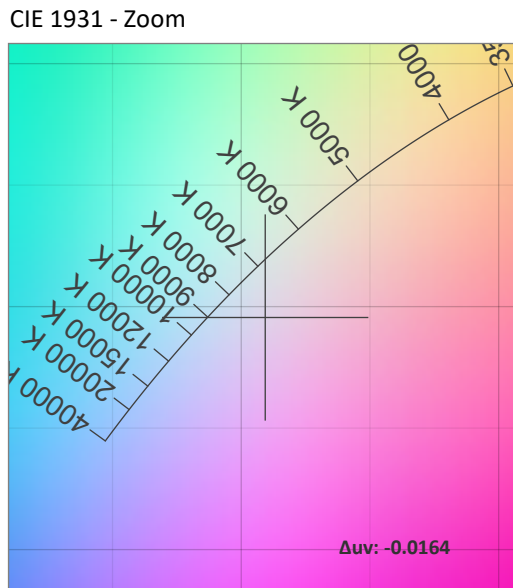
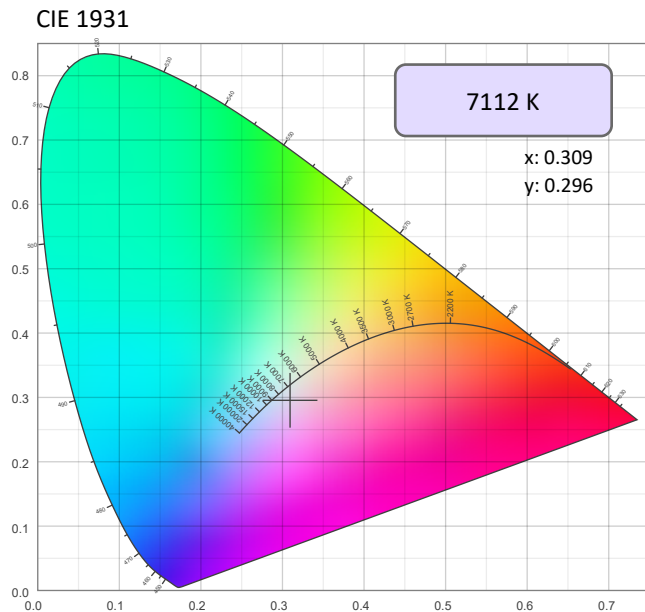
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Mounting height: 10 meters / 33 feet

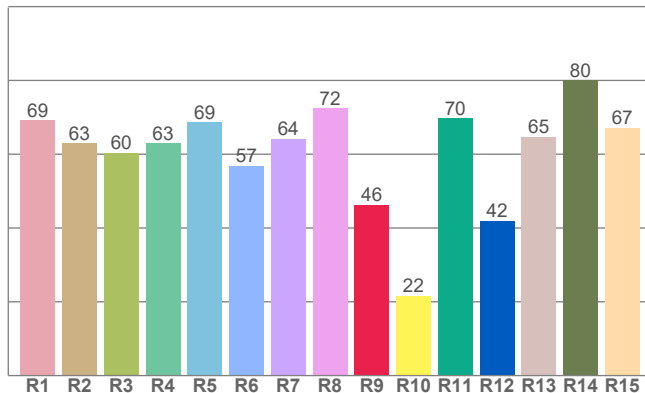
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 6500K

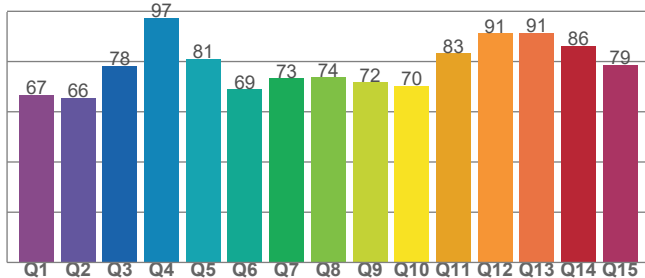
Chromaticity



CRI: 64.7 (R1-R8)



CQS: 76.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7112 K	0.309	0.296

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0164	0.296	0.209

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
64.7	46.3	76.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
70	67.3	86.8

Photometric & Chromaticity Report

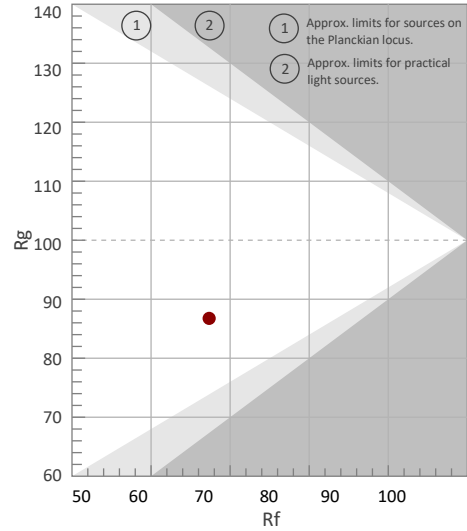
Logic Cove M: Very Wide Filter - 6500K

TM-30 Details

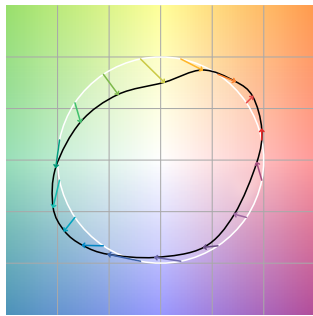
Rf 67.3
Fidelity Index (Rg)

Rg 86.8
Gammut Index (Rg)

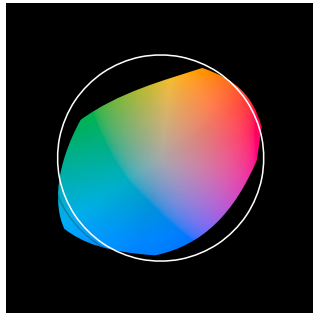
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	76	2%	10%
2	78	9%	2%
3	73	4%	-17%
4	62	-6%	-23%
5	51	-27%	-18%
6	64	-24%	-1%
7	71	-15%	12%
8	56	-2%	27%
9	70	11%	24%
10	77	16%	5%
11	59	11%	-17%
12	50	0%	-32%
13	72	-8%	-24%
14	65	-6%	-12%
15	78	-11%	-4%
16	70	-8%	16%



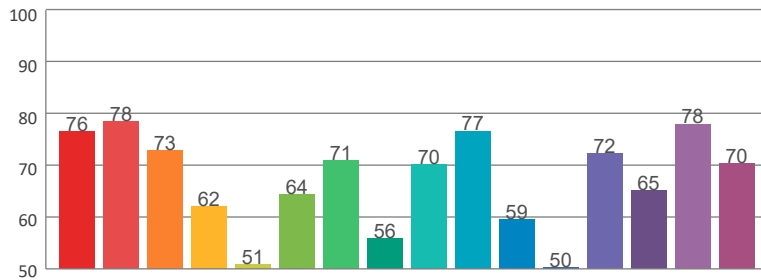
Color Vector Graphic



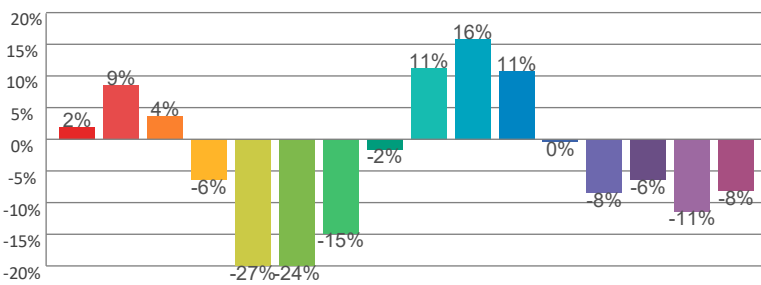
Color Distortion Graphic



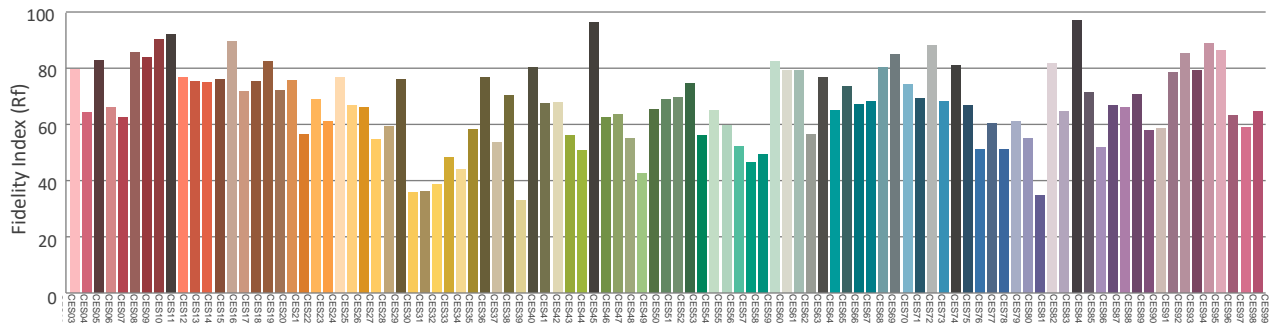
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 7000K

Report Summary

Measurements

Fixture Output: 701 lm
Fixture Peak: 146 cd
Fixture Efficacy: 28 lm/W
Intensity @ 5m: 6 lux
Color Temperature: 7877 K
CRI: 61.8 CRI R9 Value: 35.7
CQS: 74.4
TLCI: 67
TM-30 Rf: 65.1
TM-30 Rg: 85.5
Beam Angle (50%): 143.2°
Field Angle (10%): 219.7°
Cutoff Angle (3%): 275.8°

Conditions

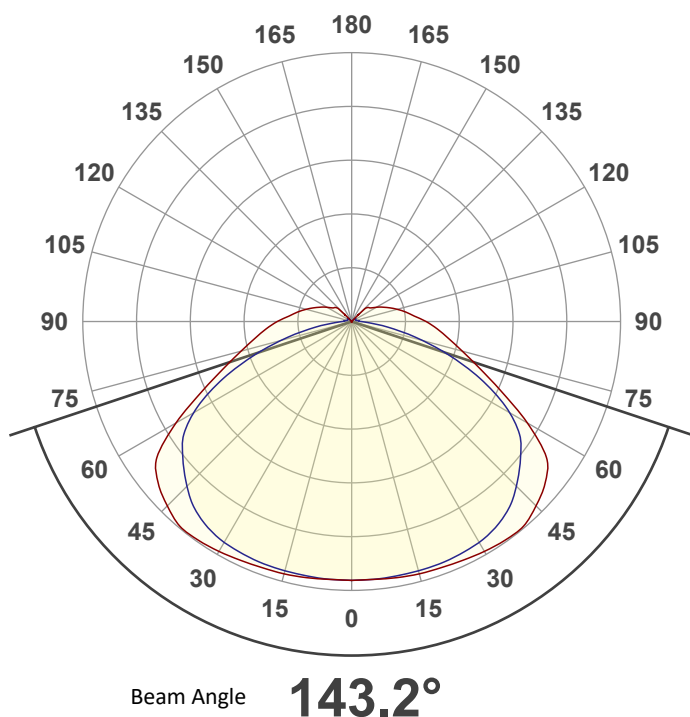
AC Supply: 120 V, 60.1 Hz
Power: 27.7 W
Current: 0.230 A
Power Factor: 0.91



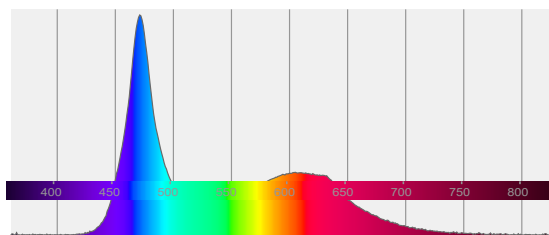
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.302

Y: 0.288



Light Quality

CRI: 61.8

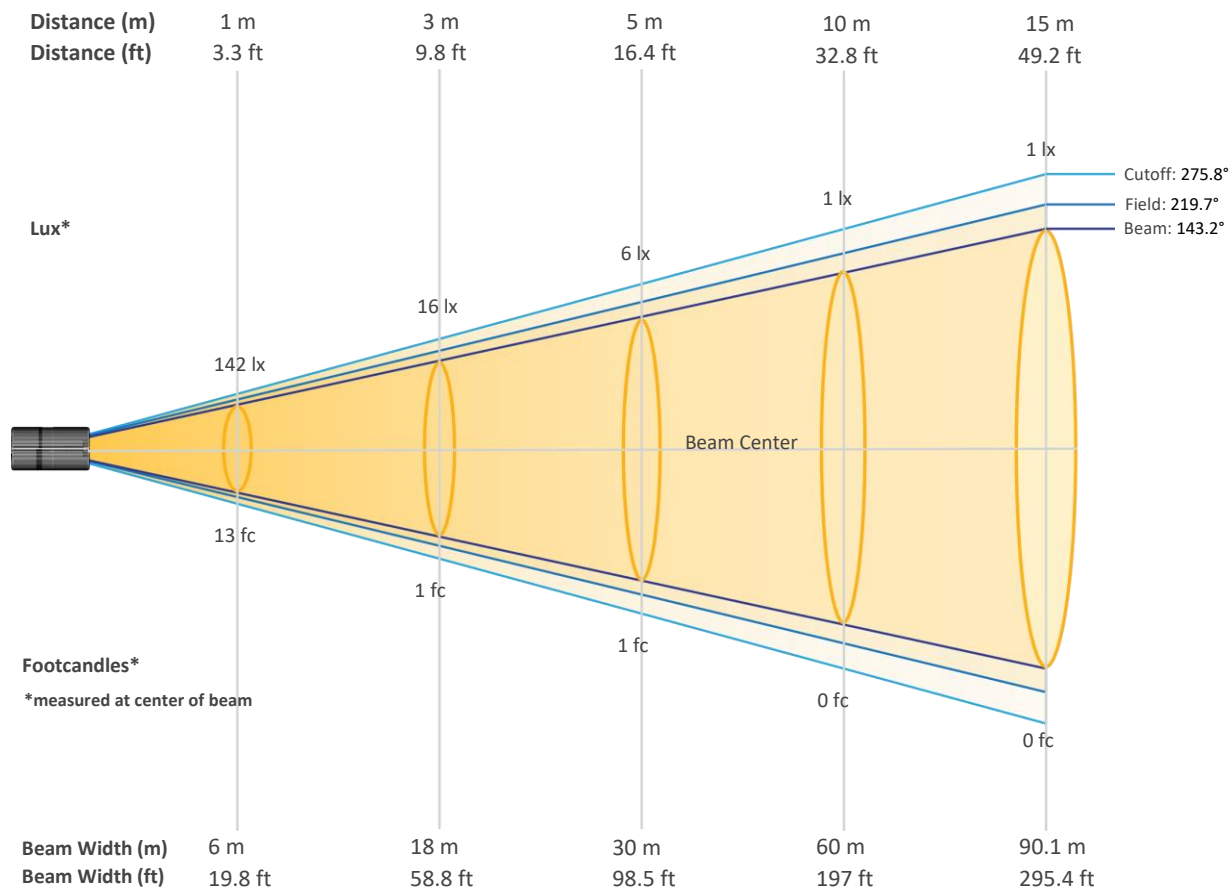
Color Temperature

7877 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 7000K

Beam Details

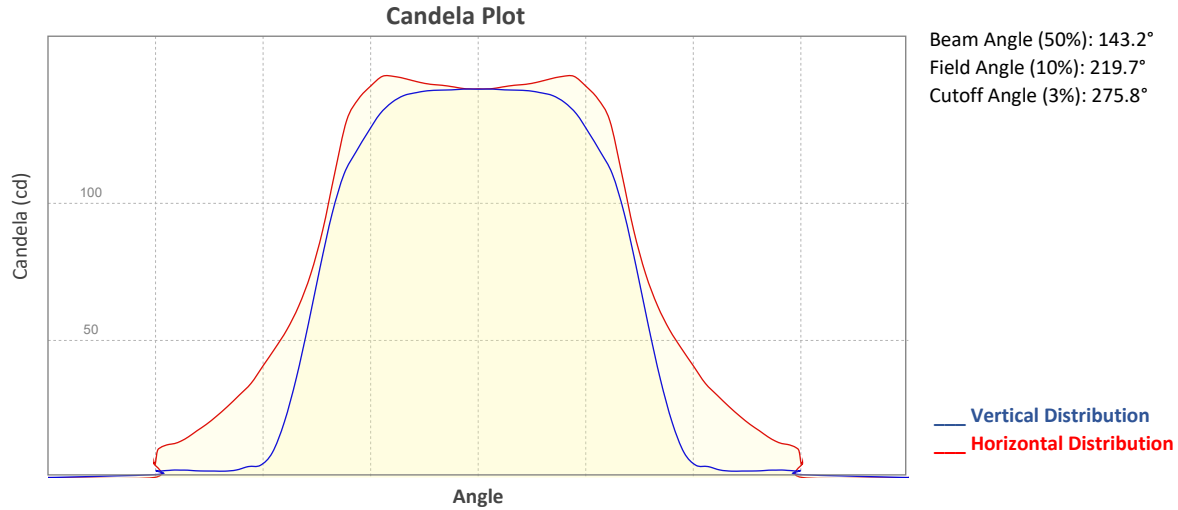


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	142	35	16	9	6	4	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	13	3	1	1	1	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

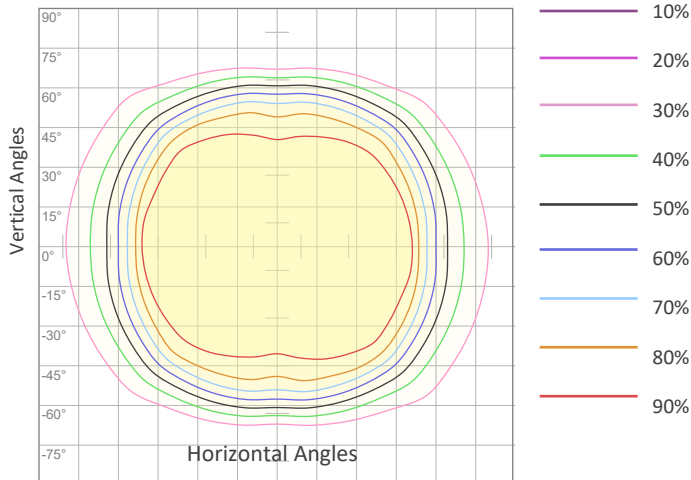
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 7000K



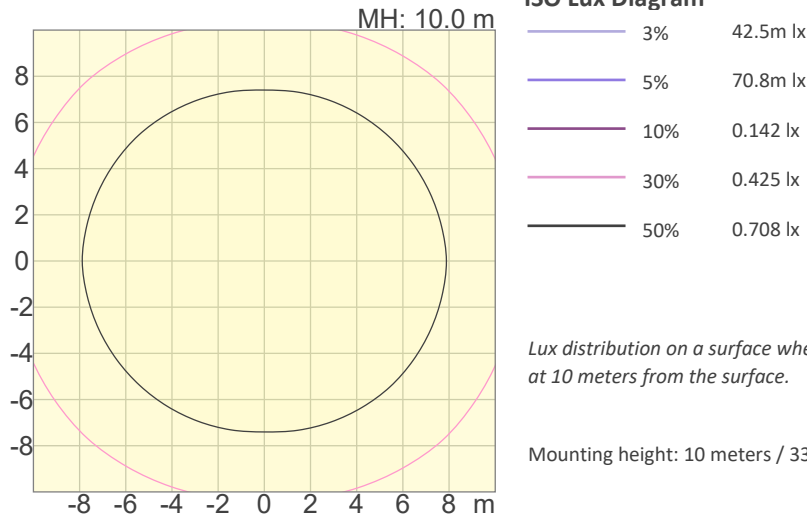
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 142 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.42 lx

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

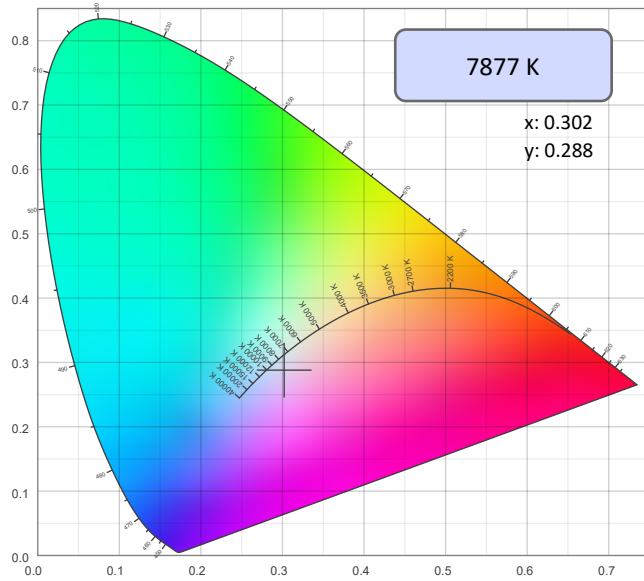
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

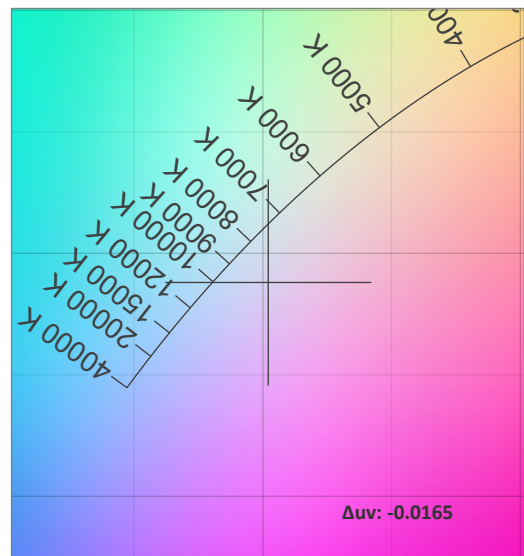
Logic Cove M: Very Wide Filter - 7000K

Chromaticity

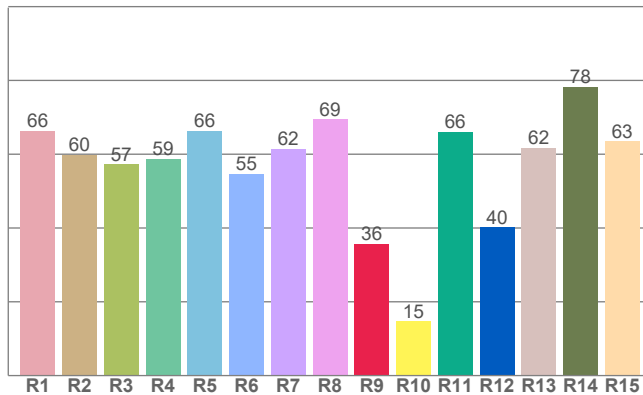
CIE 1931



CIE 1931 - Zoom



CRI: 61.8 (R1-R8)

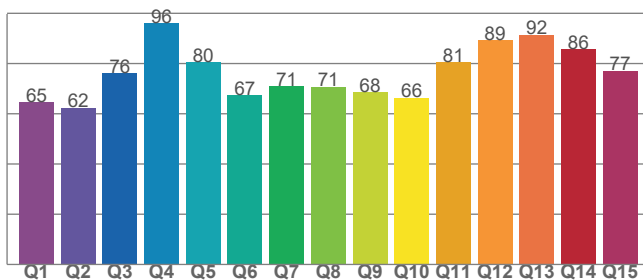


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
7877 K	0.302	0.288

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0165	0.288	0.206

CQS: 74.4



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
61.8	35.7	74.4

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
67	65.1	85.5

Photometric & Chromaticity Report

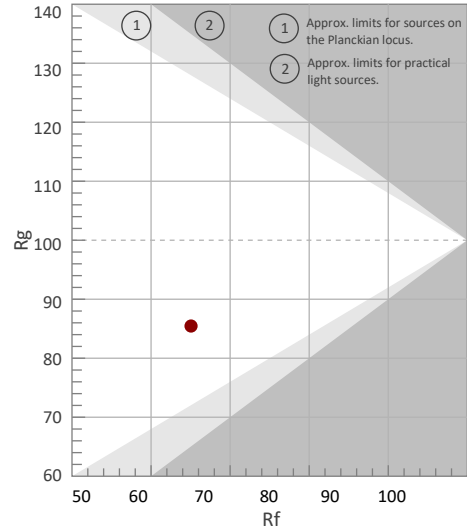
Logic Cove M: Very Wide Filter - 7000K

TM-30 Details

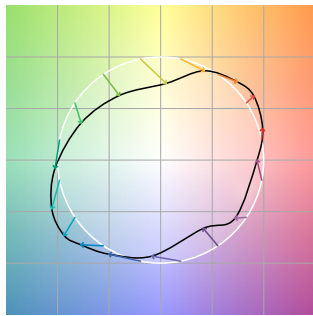
Rf 65.1
Fidelity Index (Rg)

Rg 85.5
Gammut Index (Rg)

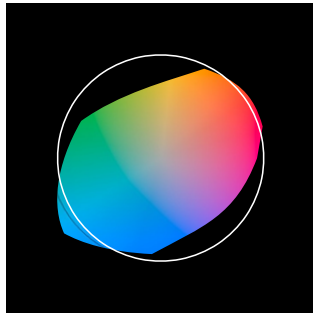
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	75	3%	11%
2	76	10%	1%
3	70	4%	-19%
4	59	-7%	-25%
5	47	-28%	-20%
6	62	-26%	-2%
7	69	-16%	13%
8	52	-1%	28%
9	72	13%	26%
10	73	18%	9%
11	57	11%	-19%
12	59	-1%	-31%
13	65	-10%	-27%
14	63	-22%	-2%
15	83	-9%	-7%
16	64	-8%	18%



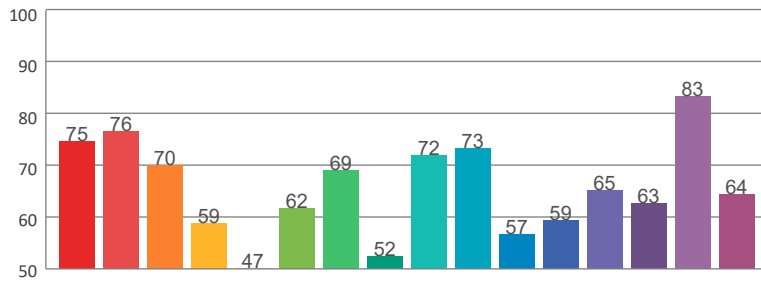
Color Vector Graphic



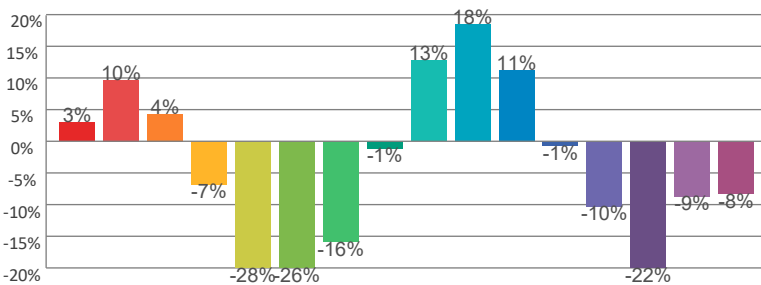
Color Distortion Graphic



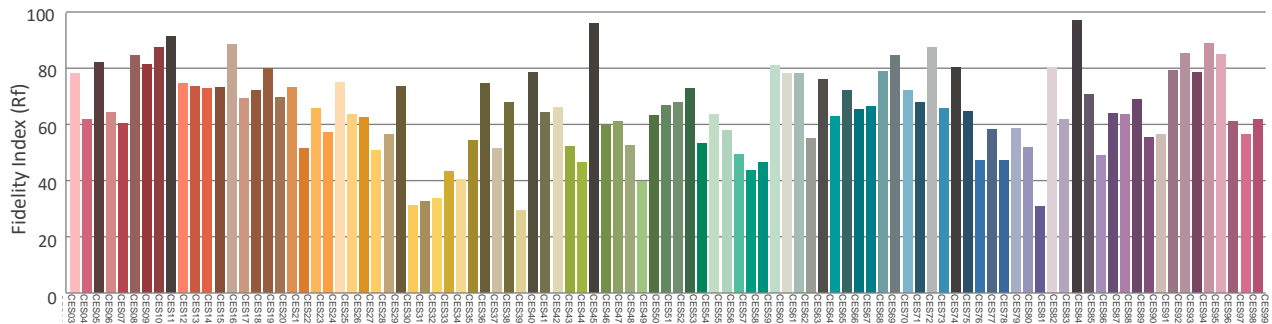
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 8000K

Report Summary

Measurements

Fixture Output: 667 lm
Fixture Peak: 139 cd
Fixture Efficacy: 27 lm/W
Intensity @ 5m: 5 lux
Color Temperature: 9768 K
CRI: 56.6 CRI R9 Value: 18.8
CQS: 70.2
TLCI: 62
TM-30 Rf: 60.8
TM-30 Rg: 83.4
Beam Angle (50%): 143.2°
Field Angle (10%): 219.4°
Cutoff Angle (3%): 259.7°

Conditions

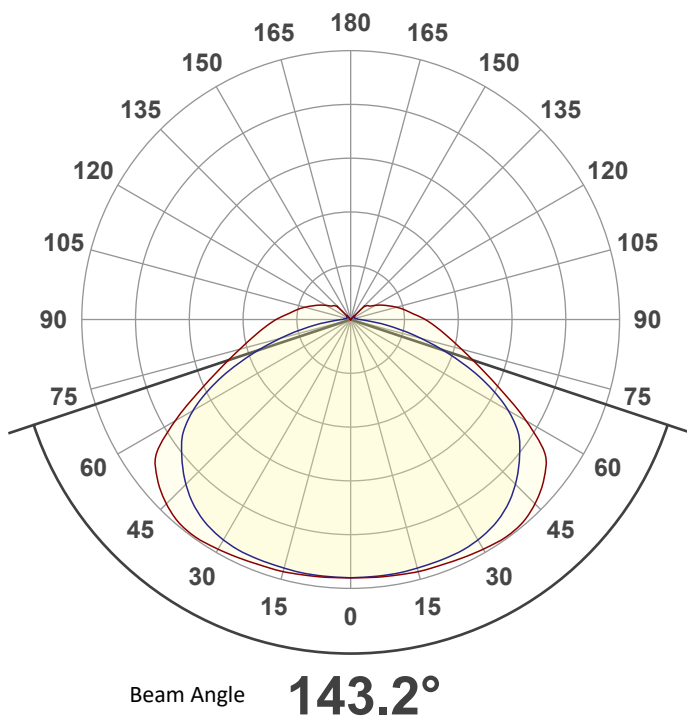
AC Supply: 120 V, 60 Hz
Power: 27.46 W
Current: 0.228 A
Power Factor: 0.91



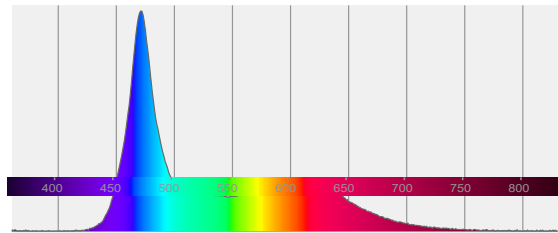
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



Spectral Distribution



Tested Color (CIE 1931):

X: 0.289

Y: 0.275



Light Quality

CRI: 56.6

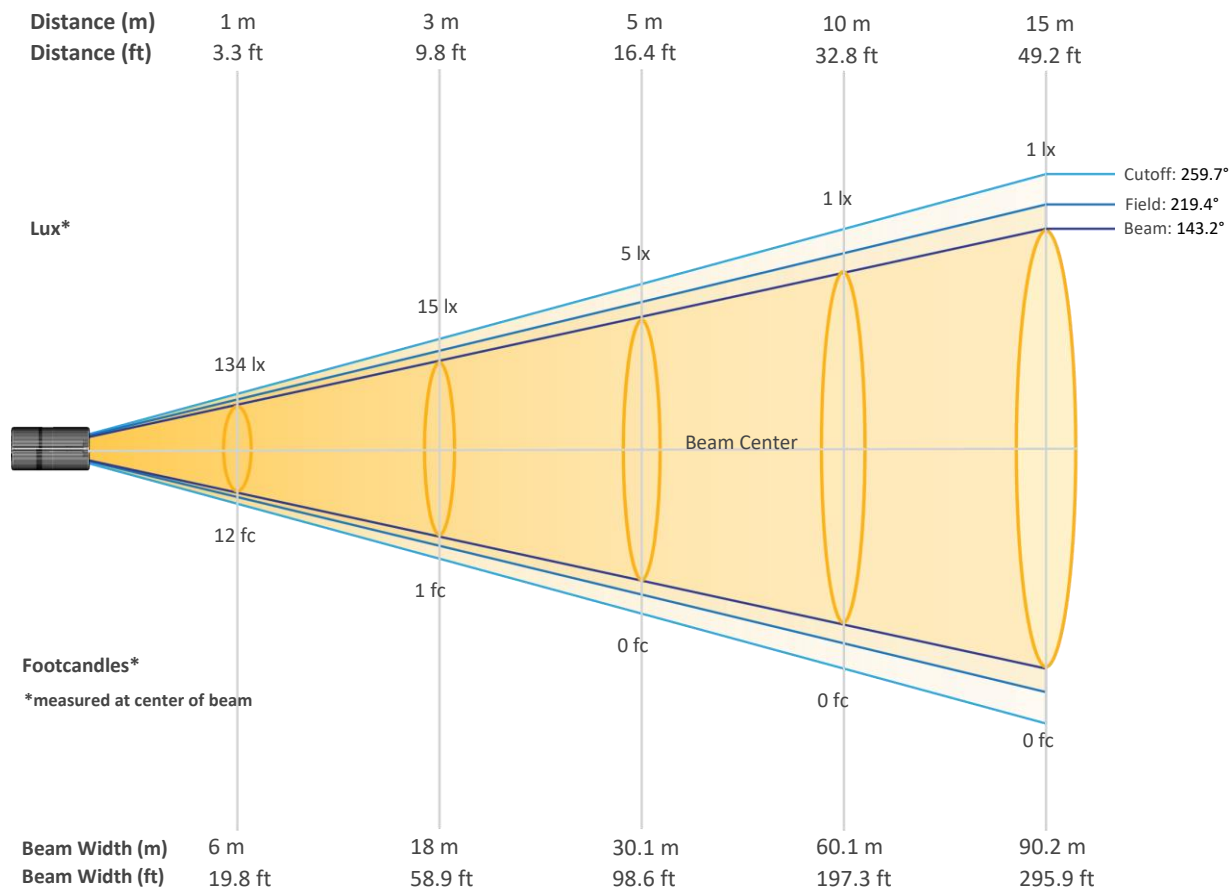
Color Temperature

9768 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 8000K

Beam Details

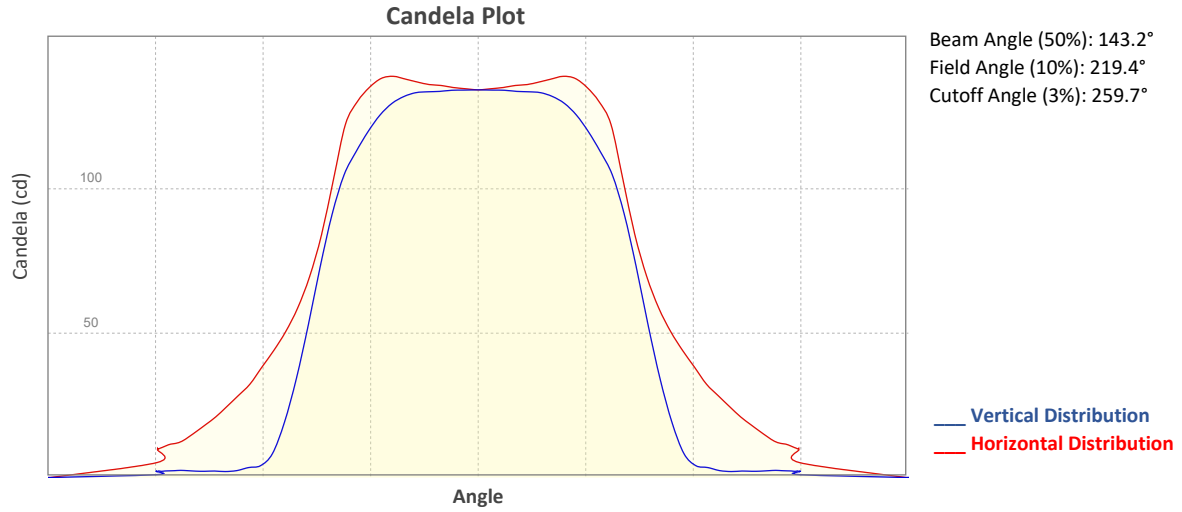


Beam Intensities from 1-20m (3.3-65.6ft)

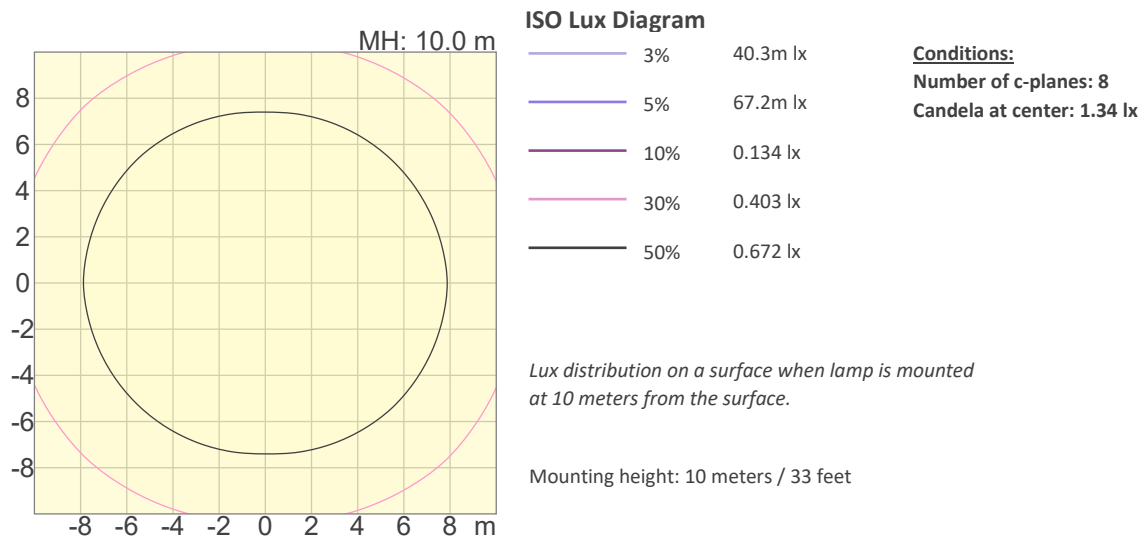
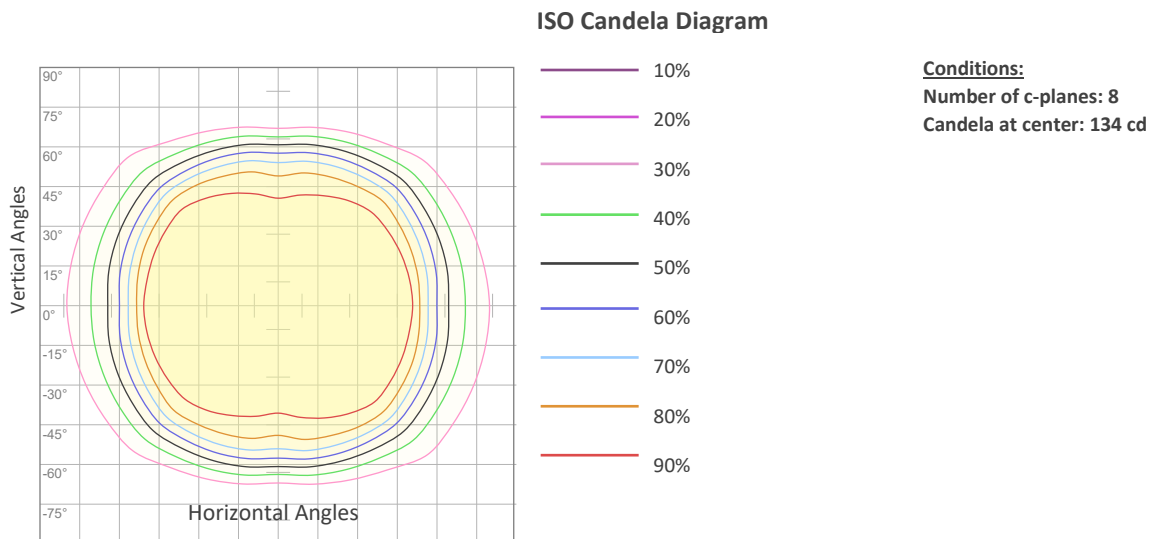
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	134	34	15	8	5	4	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	1	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	12	3	1	1	0	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 8000K



ISO Diagrams

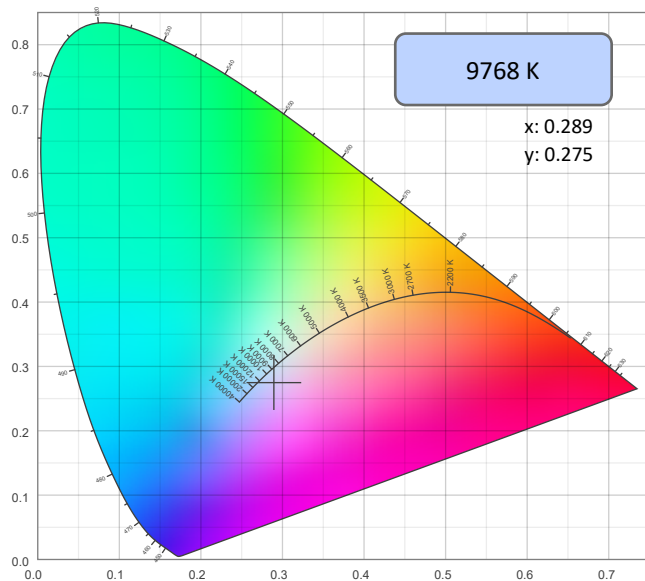


Photometric & Chromaticity Report

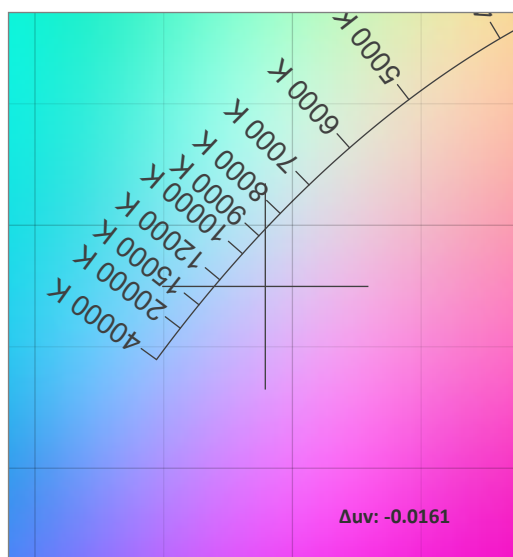
Logic Cove M: Very Wide Filter - 8000K

Chromaticity

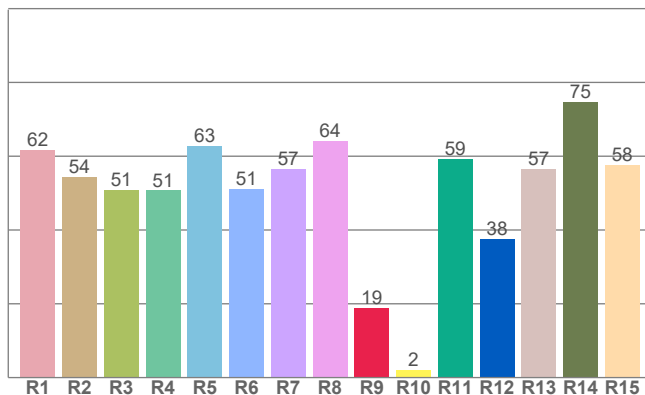
CIE 1931



CIE 1931 - Zoom



CRI: 56.6 (R1-R8)

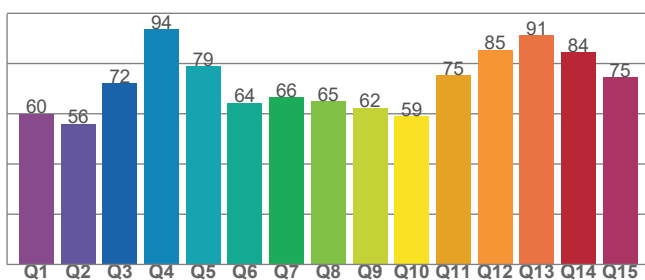


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
9768 K	0.289	0.275

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0161	0.275	0.202

CQS: 70.2



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
56.6	18.8	70.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
62	60.8	83.4

Photometric & Chromaticity Report

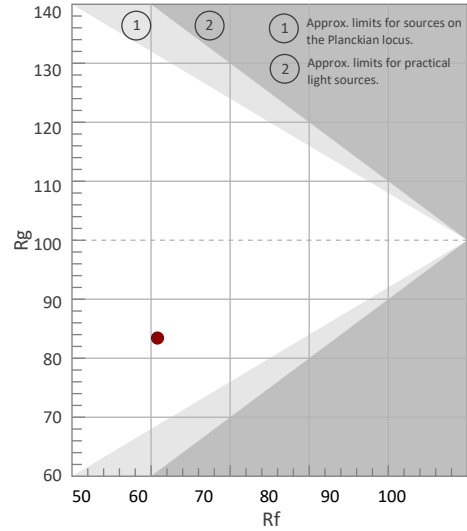
Logic Cove M: Very Wide Filter - 8000K

TM-30 Details

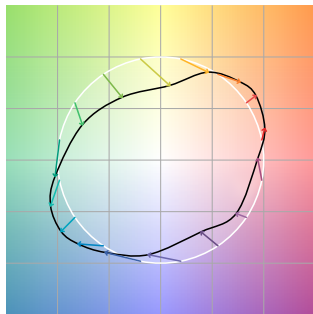
Rf 60.8
Fidelity Index (Rg)

Rg 83.4
Gammut Index (Rg)

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	73	5%	10%
2	73	12%	1%
3	64	6%	-22%
4	56	-7%	-28%
5	41	-31%	-23%
6	57	-29%	-3%
7	66	-18%	14%
8	52	-3%	35%
9	68	13%	23%
10	75	19%	4%
11	51	12%	-21%
12	54	-2%	-35%
13	61	-12%	-30%
14	63	-20%	-6%
15	83	-10%	-2%
16	60	-8%	20%



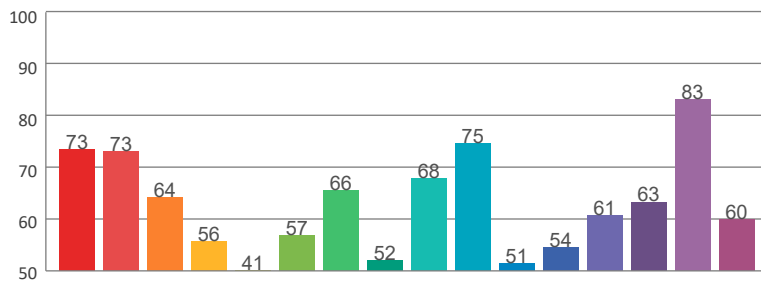
Color Vector Graphic



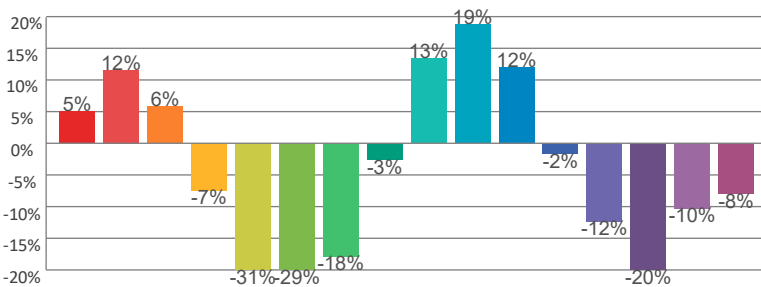
Color Distortion Graphic



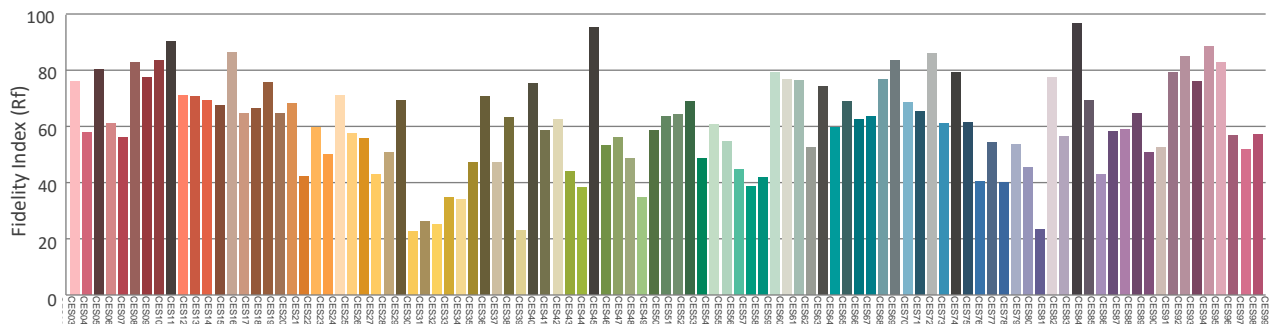
R_f by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 10000K

Report Summary

Measurements

Fixture Output: 626 lm
Fixture Peak: 131 cd
Fixture Efficacy: 25 lm/W
Intensity @ 5m: 5 lux
Color Temperature: 14431 K
CRI: 47.8 CRI R9 Value: -5.9
CQS: 64.1
TLCI: 55
TM-30 Rf: 54.5
TM-30 Rg: 79.6
Beam Angle (50%): 143.2°
Field Angle (10%): 219.5°
Cutoff Angle (3%): 275.2°

Conditions

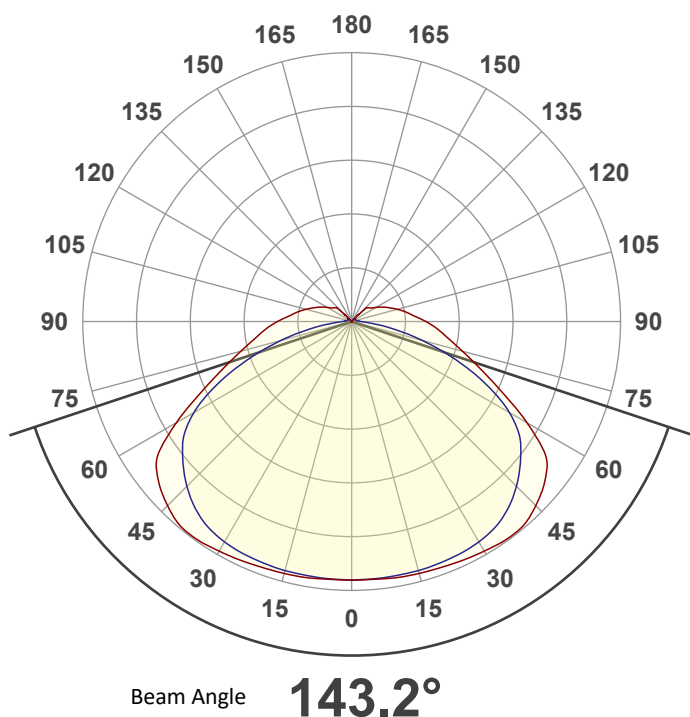
AC Supply: 120 V, 60 Hz
Power: 27.36 W
Current: 0.228 A
Power Factor: 0.91



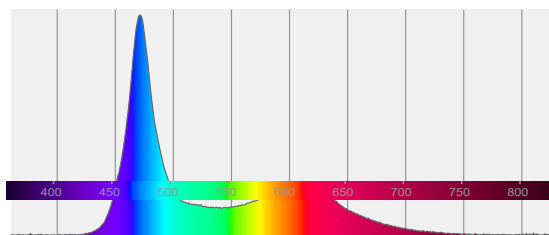
This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Sunrise, FL on 5/12/2022 to LM-63-2002 Standards.

Overall Measurement

Angular Beam Distribution



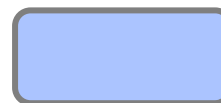
Spectral Distribution



Tested Color (CIE 1931):

X: 0.276

Y: 0.255



Light Quality

CRI: 47.8

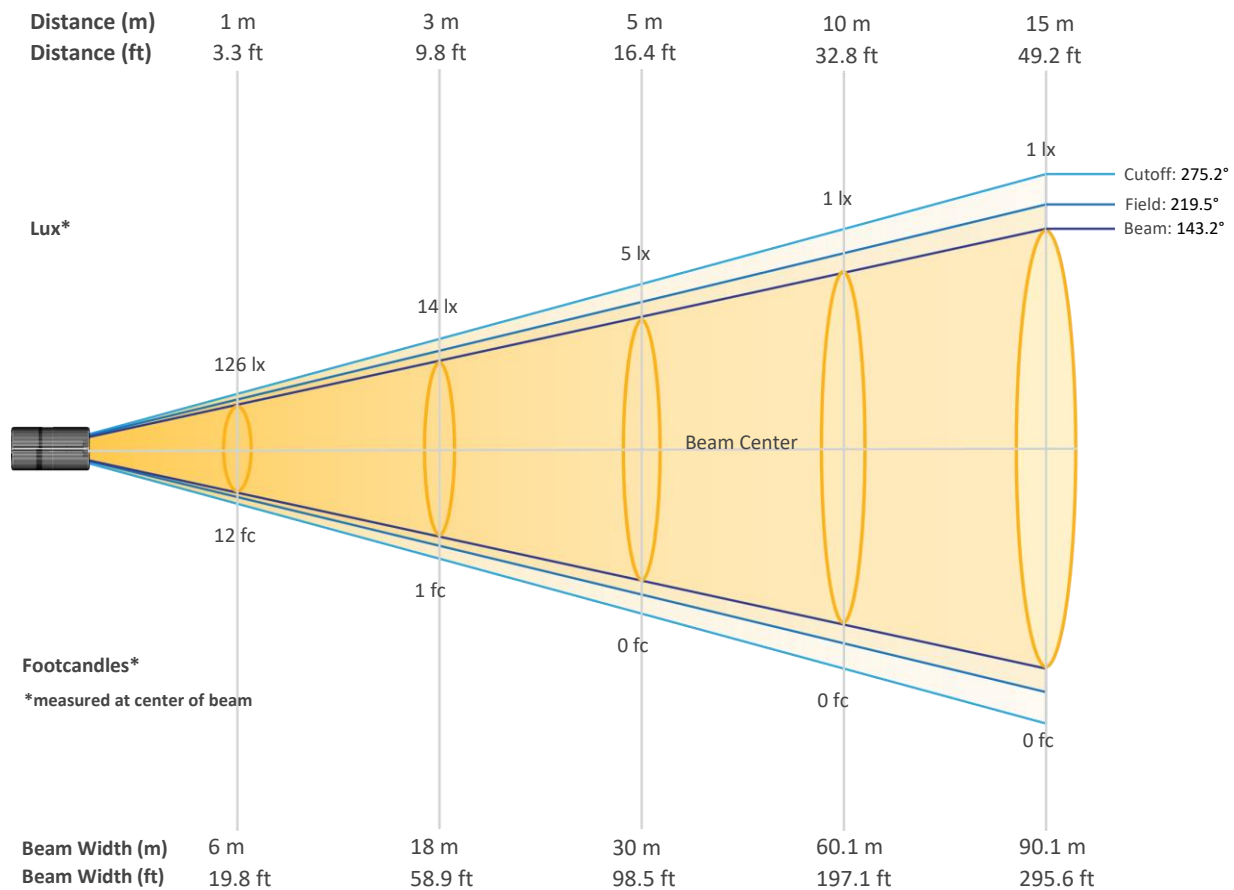
Color Temperature

14431 K

Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 10000K

Beam Details

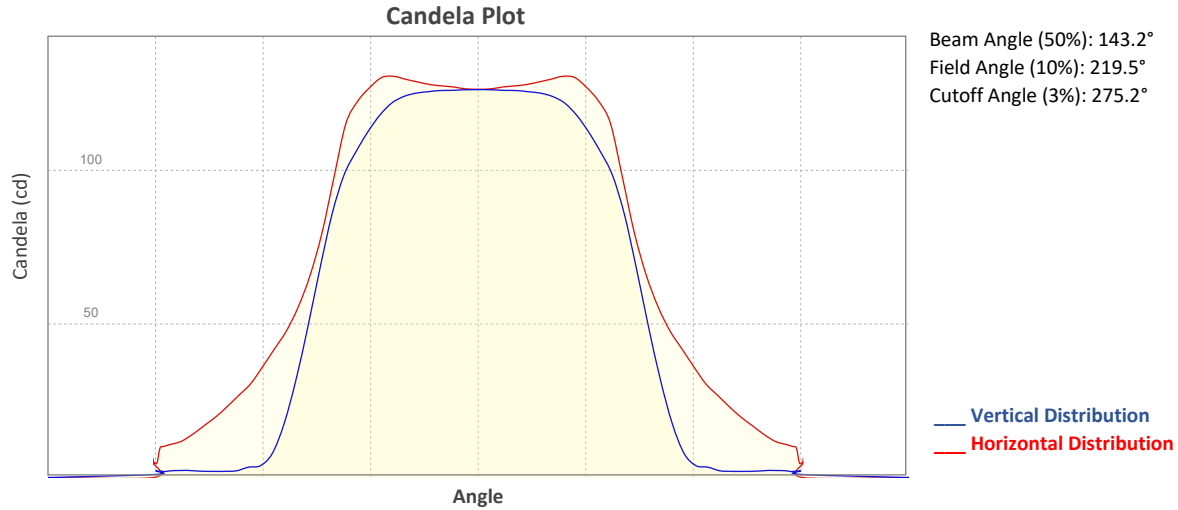


Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	126	32	14	8	5	4	3	2	2	1
Distance	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
Lux	1	1	1	1	1	0	0	0	0	0
Distance	3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft
FC	12	3	1	1	0	0	0	0	0	0
Distance	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
FC	0	0	0	0	0	0	0	0	0	0

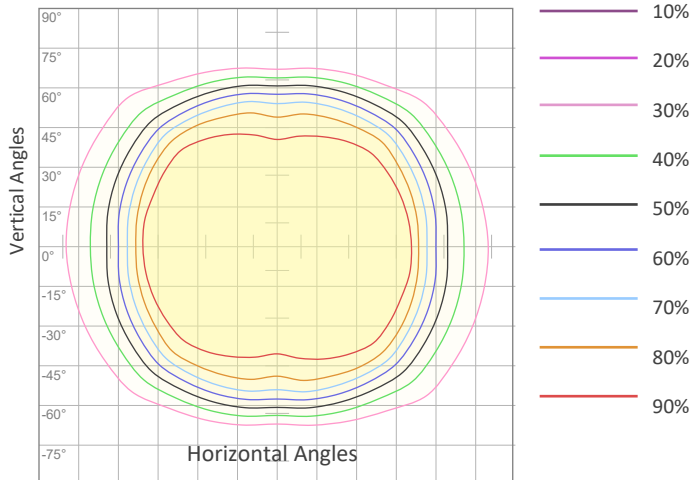
Photometric & Chromaticity Report

Logic Cove M: Very Wide Filter - 10000K



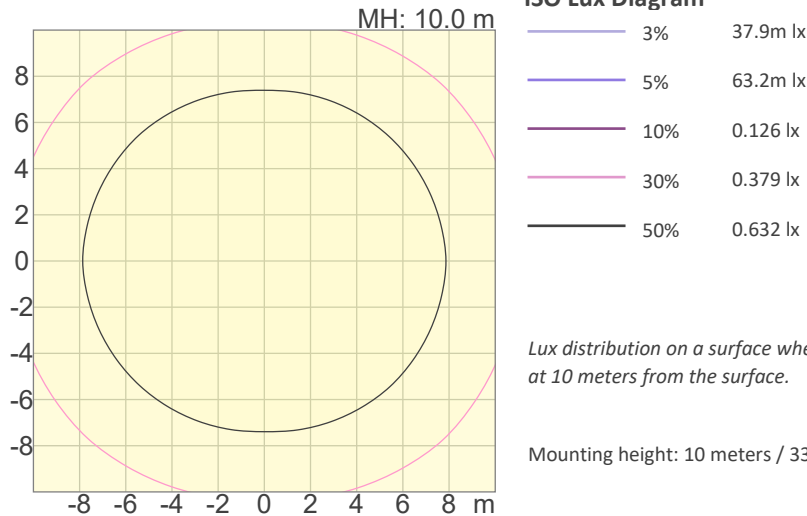
ISO Diagrams

ISO Candela Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 126 cd

ISO Lux Diagram



Conditions:
 Number of c-planes: 8
 Candela at center: 1.26 lx

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

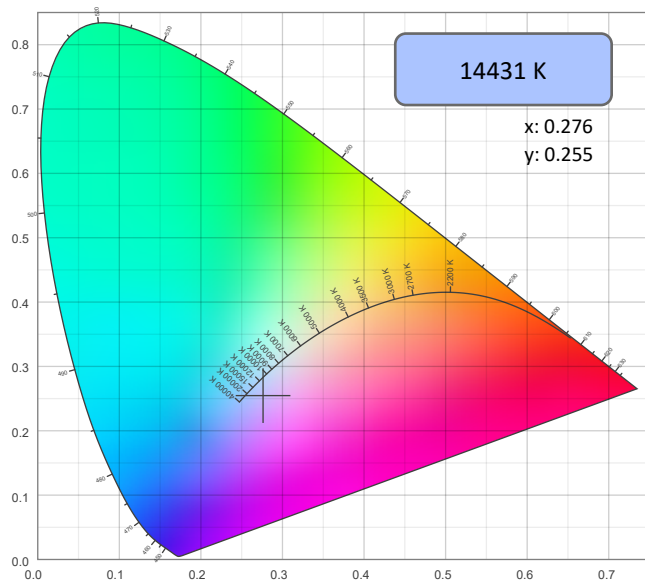
Mounting height: 10 meters / 33 feet

Photometric & Chromaticity Report

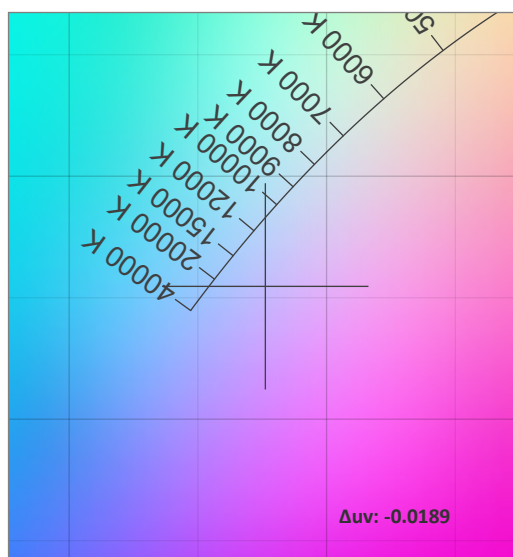
Logic Cove M: Very Wide Filter - 10000K

Chromaticity

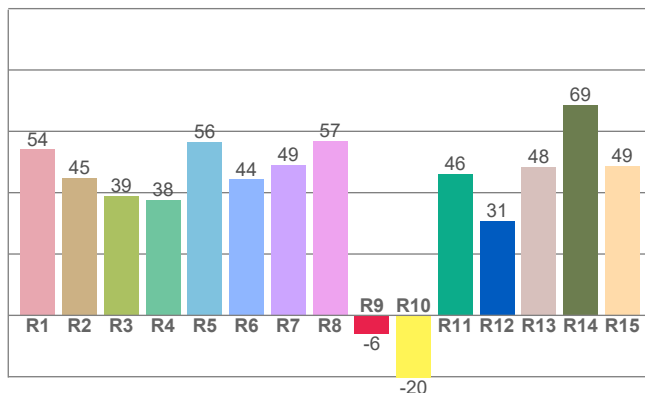
CIE 1931



CIE 1931 - Zoom



CRI: 47.8 (R1-R8)

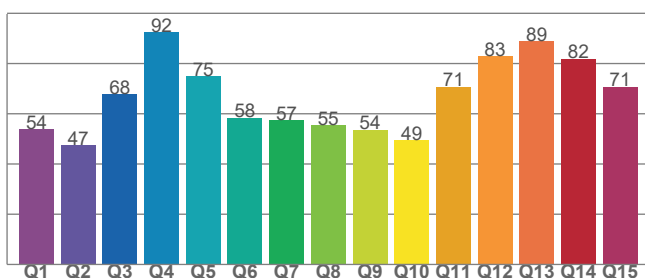


Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
14431 K	0.276	0.255

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0189	0.255	0.201

CQS: 64.1



Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
47.8	-5.9	64.1

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
55	54.5	79.6

Photometric & Chromaticity Report

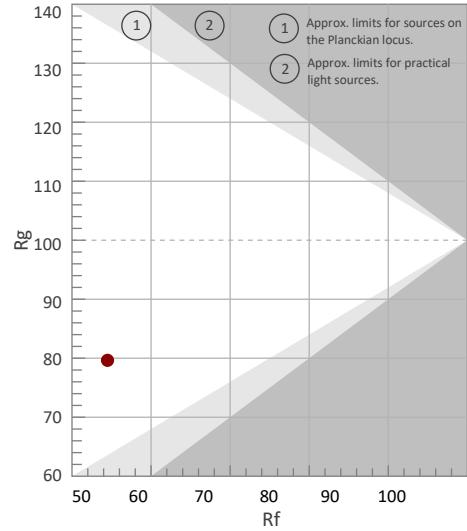
Logic Cove M: Very Wide Filter - 10000K

TM-30 Details

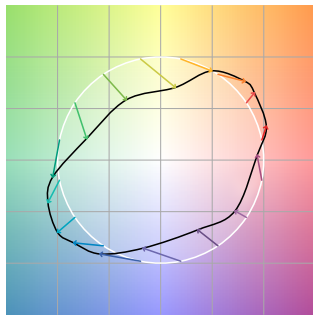
Rf 54.5
Fidelity Index (Rg)

Rg 79.6
Gammut Index (Rg)

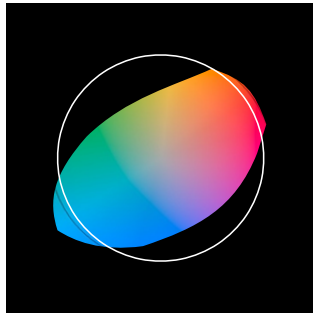
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	69	7%	12%
2	69	12%	4%
3	58	9%	-25%
4	48	-5%	-32%
5	36	-34%	-28%
6	49	-33%	-5%
7	56	-29%	23%
8	49	-1%	36%
9	63	15%	19%
10	73	22%	3%
11	43	14%	-25%
12	55	1%	-40%
13	43	-20%	-33%
14	58	-24%	-8%
15	80	-13%	-1%
16	53	-9%	23%



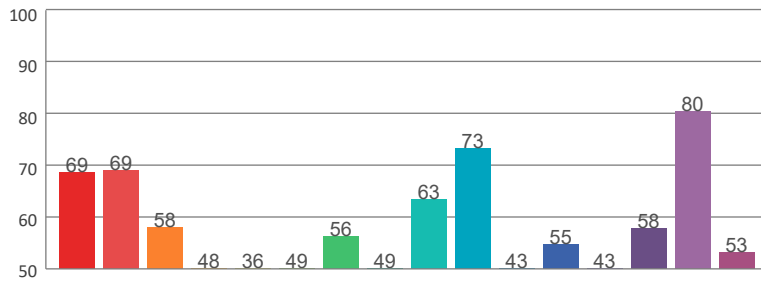
Color Vector Graphic



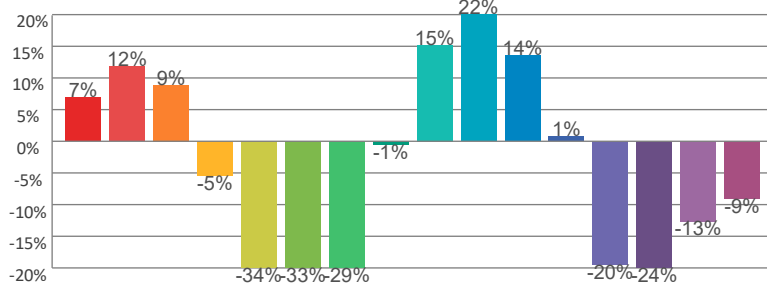
Color Distortion Graphic



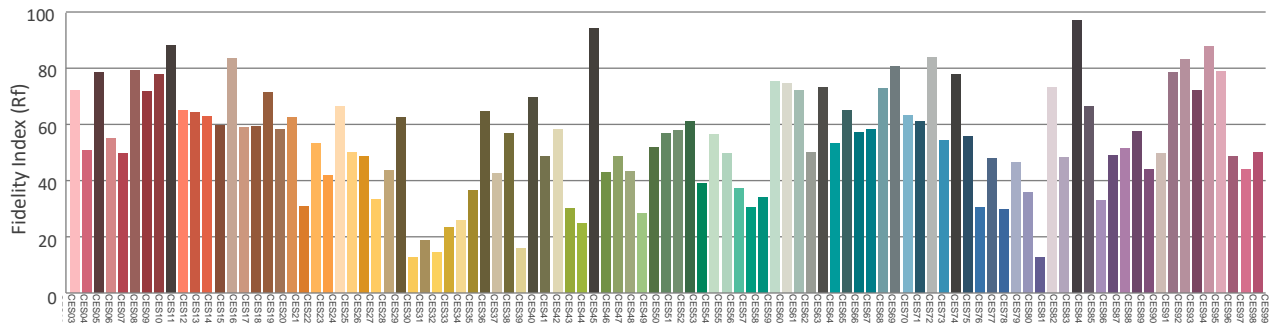
Rf by Hue



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.