OVATION 2WL

PHOTOMETRICS REPORT



CHAUVET PROFESSIONAL

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Testing Process

Total Illuminance Measurements

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

Testing Lab Equipment and Process

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

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

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

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

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

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

OVATION 2WL

Photometrics & Chromaticity Reports

CHAUVET PROFESSIONAL

Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 3200K

Report Summary

Measurements

Fixture Output: 10575 lm
Fixture Peak: 3980 cd
Fixture Efficacy: 100 lm/W
Intensity @ 5m: 159 lux
Color Temperature: 3245 K
CRI: 95.0 CRI R9 Value: 80.9
CQS: 92.2
TLCI: 95
TM-30 Rf: 90.8
TM-30 Rg: 99.3
Beam Angle (50%): 106.6°
Field Angle (10%): 157.9°
Cutoff Angle (3%): 170.7°

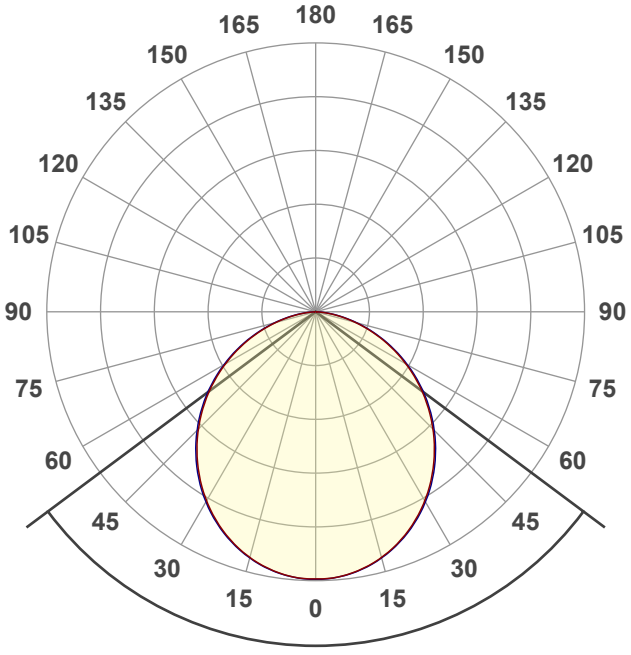
Conditions

AC Supply: 119 V, 60 Hz
Power: 109.17 W
Current: 0.921 A
Power Factor: 0.97

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 2/13/2026 to LM-63-2002 Standards.

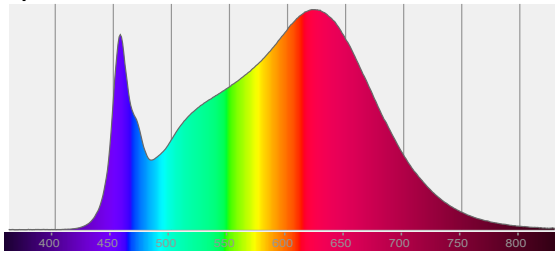
Overall Measurement

Angular Beam Distribution



Beam Angle 106.6°

Spectral Distribution



Tested Color (CIE 1931)**:**
X: 0.414
Y: 0.383

Light Quality

CRI: 95.0

Color Temperature

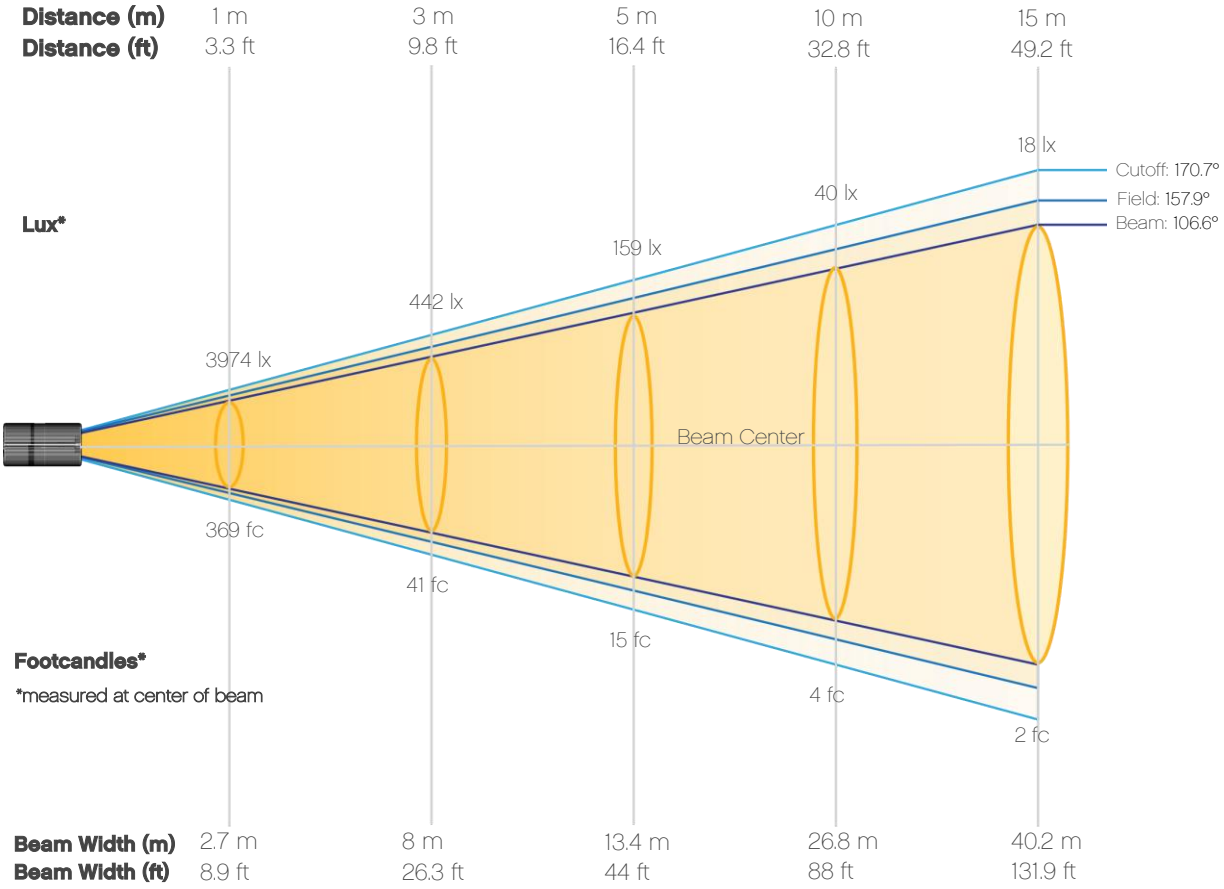
3245 K

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Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 3200K

Beam Details



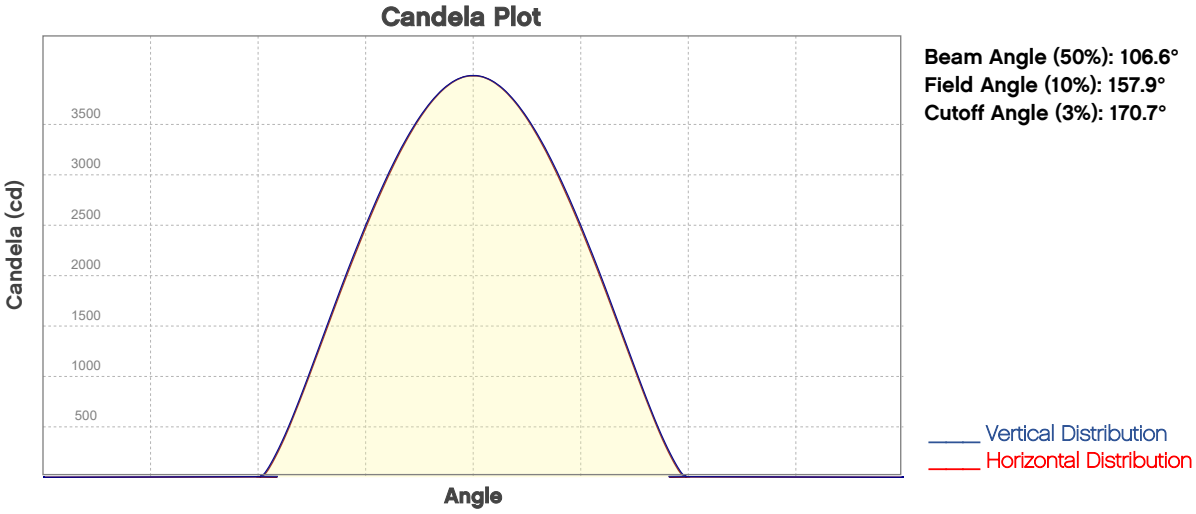
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	3974	994	442	248	159	110	81	62	49	40
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	33	28	24	20	18	16	14	12	11	10
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	369	92	41	23	15	10	8	6	5	4
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	3	3	2	2	2	1	1	1	1	1

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Photometric & Chromaticity Report

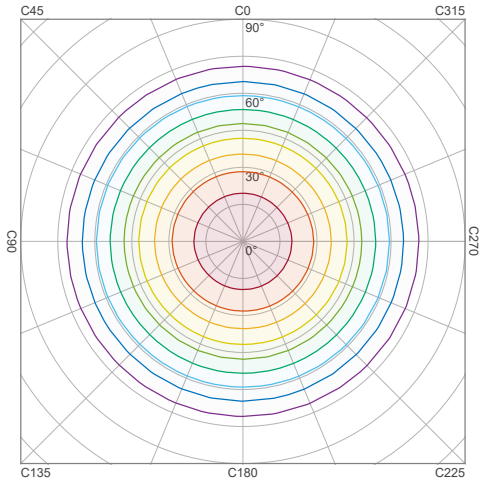
Ovation 2WL: Standard Optics - 3200K



Beam Angle (50%): 106.6°
Field Angle (10%): 157.9°
Cutoff Angle (3%): 170.7°

ISO Diagrams

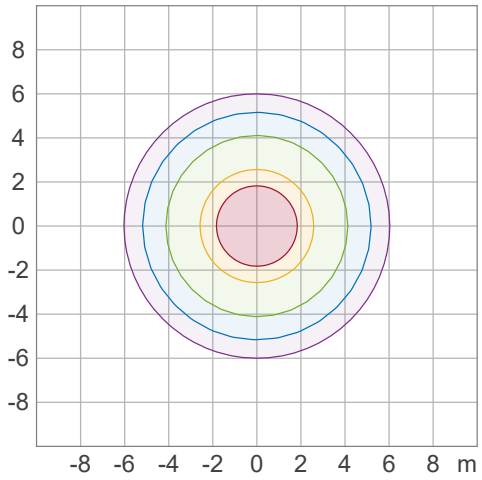
ISO Candela Diagram



90 %	3582.0 cd
80 %	3184.0 cd
70 %	2786.0 cd
60 %	2388.0 cd
50 %	1990.0 cd
40 %	1592.0 cd
30 %	1194.0 cd
20 %	796.0 cd
10 %	398.0 cd

Peak intensity: 3980.0 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	221.0 lx
30.0 %	132.6 lx
10.0 %	44.2 lx
5.0 %	22.1 lx
3.0 %	13.3 lx

Peak illuminance: 442.0 lx
Mounting height: 3.0 m
Number of c-planes: 8

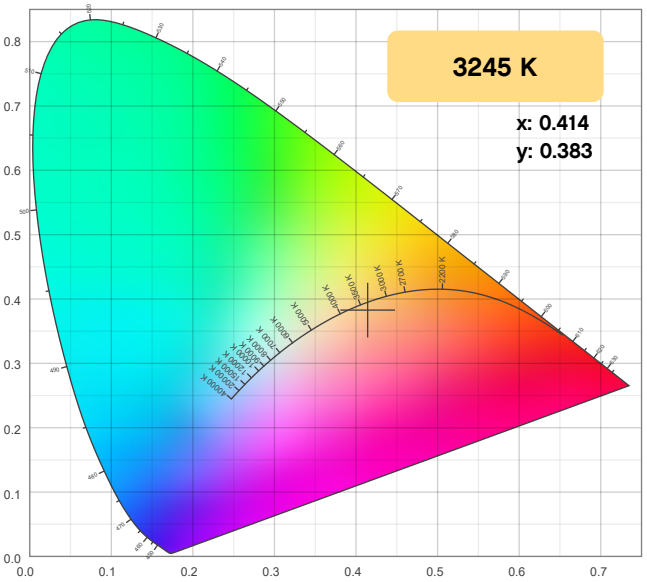
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Photometric & Chromaticity Report

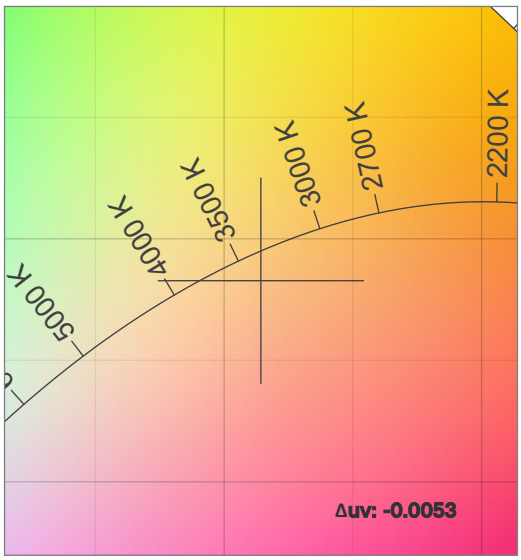
Ovation 2WL: Standard Optics - 3200K

Chromaticity

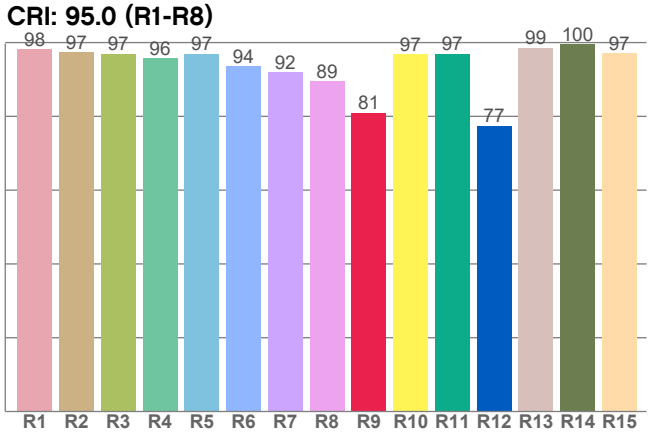
CIE 1931



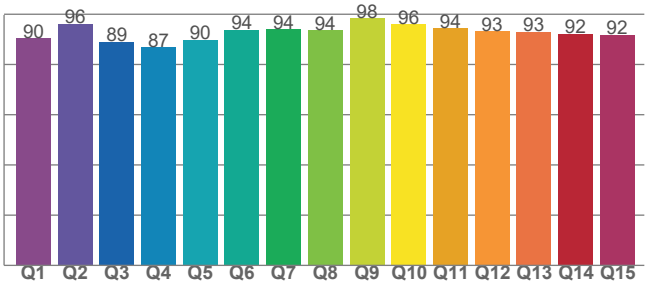
CIE 1931 - Zoom



CRI: 95.0 (R1-R8)



CQS: 92.2



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3245 K	0.414	0.383

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0053	0.383	0.245

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.0	80.9	92.2

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
95	90.8	99.3

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Photometric & Chromaticity Report

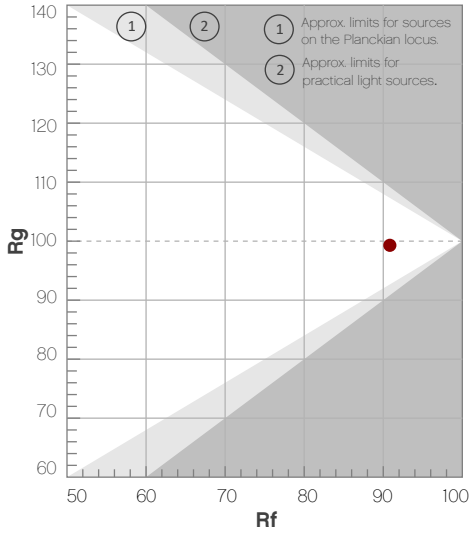
Ovation 2WL: Standard Optics - 3200K

TM-30 Details

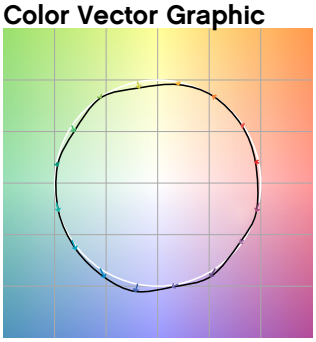
Rf 90.8
Fidelity Index (Rg)

Rg 99.3
Gammut Index (Rg)

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



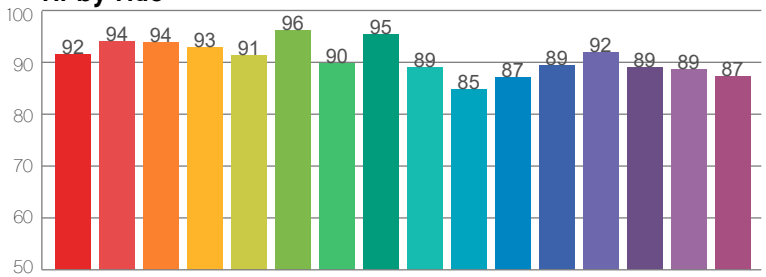
Color Vector Graphic



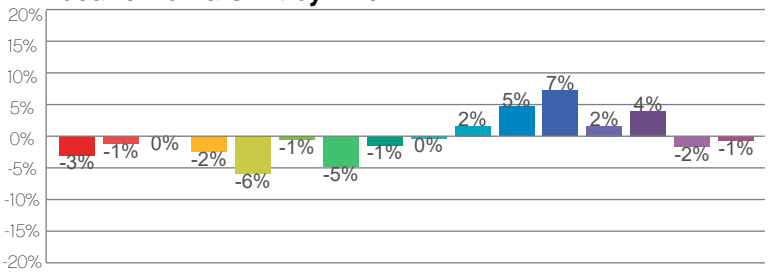
Color Distortion Graphic



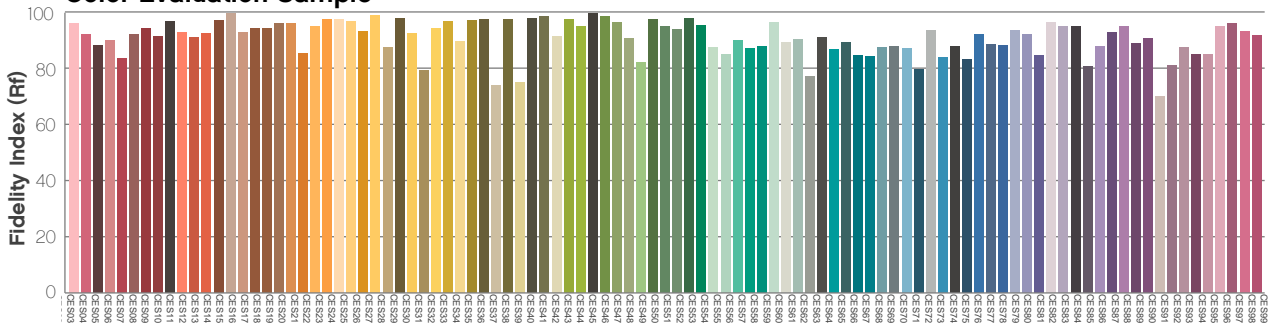
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



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Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 4000K

Report Summary

Measurements

Fixture Output: 10900 lm
Fixture Peak: 4104 cd
Fixture Efficacy: 103 lm/W
Intensity @ 5m: 164 lux
Color Temperature: 3973 K
CRI: 95.0 CRI R9 Value: 89.9
CQS: 92.6
TLCI: 96
TM-30 Rf: 89.5
TM-30 Rg: 98.1
Beam Angle (50%): 106.6°
Field Angle (10%): 157.8°
Cutoff Angle (3%): 170.7°

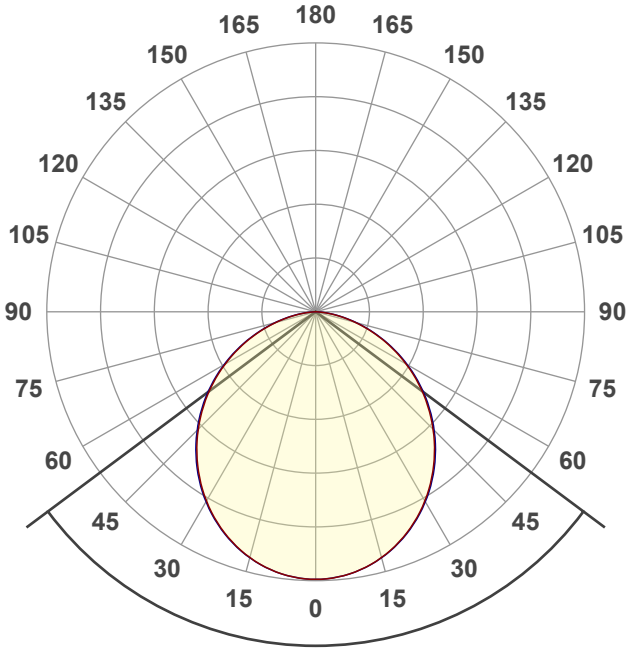
Conditions

AC Supply: 118 V, 60 Hz
Power: 109.36 W
Current: 0.925 A
Power Factor: 0.97

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 2/13/2026 to LM-63-2002 Standards.

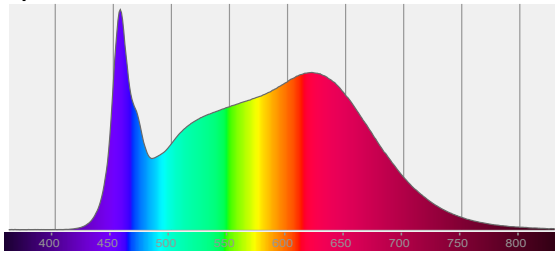
Overall Measurement

Angular Beam Distribution



Beam Angle 106.6°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.378
Y: 0.364

Light Quality

CRI: 95.0

Color Temperature

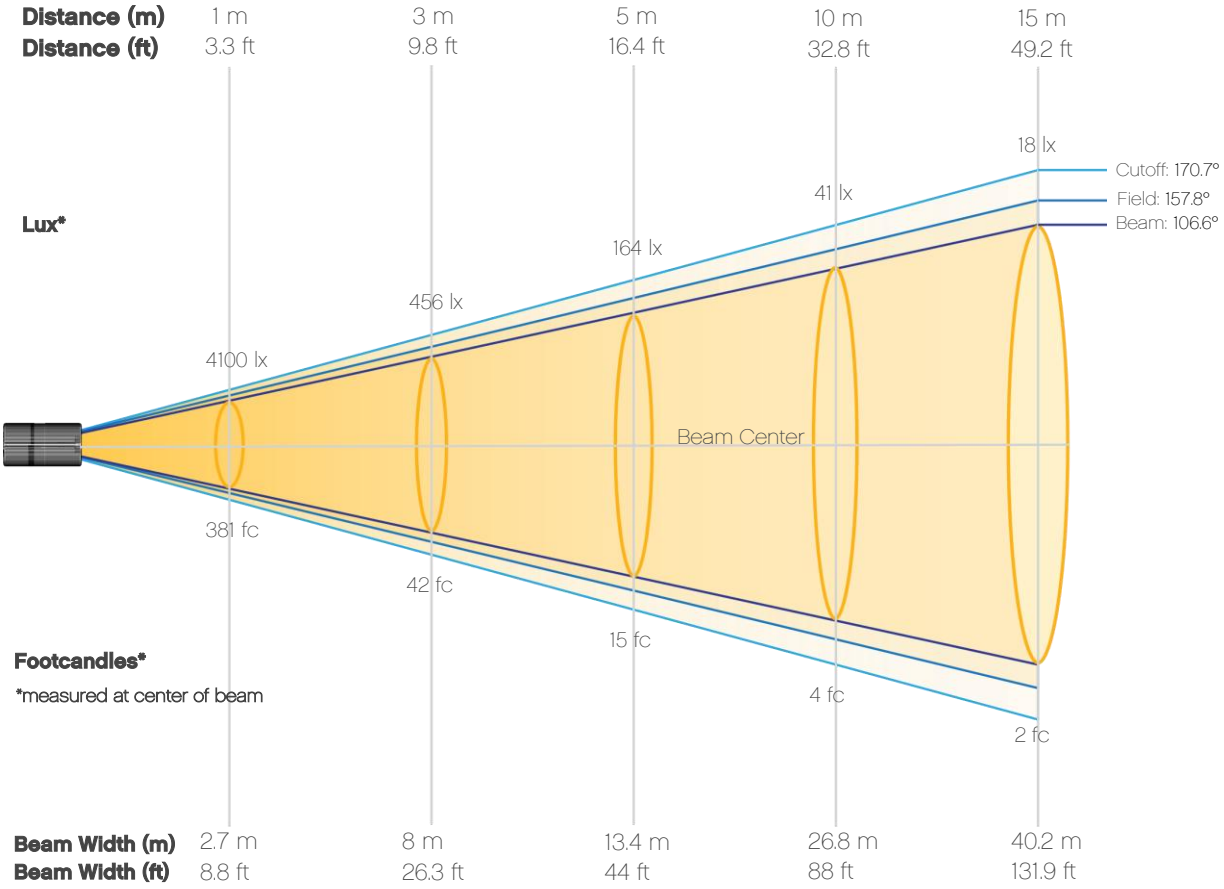
3973 K

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Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 4000K

Beam Details



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

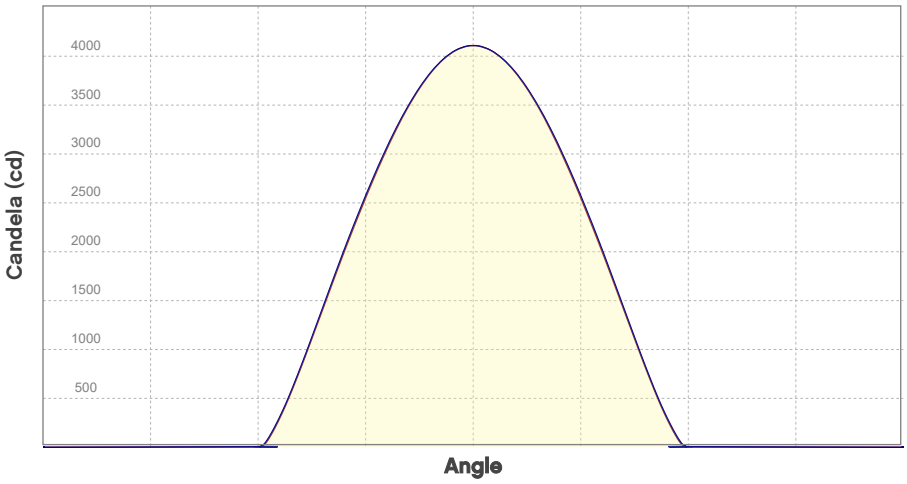
Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4100	1025	456	256	164	114	84	64	51	41
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	34	28	24	21	18	16	14	13	11	10
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	381	95	42	24	15	11	8	6	5	4
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	3	3	2	2	2	1	1	1	1	1

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Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 4000K

Candela Plot

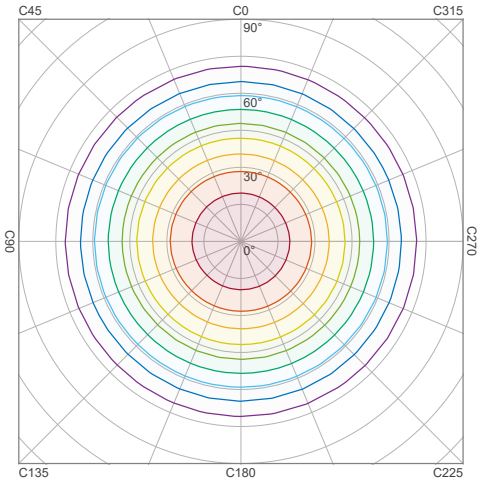


Beam Angle (50%): 106.6°
Field Angle (10%): 157.8°
Cutoff Angle (3%): 170.7°

Vertical Distribution
Horizontal Distribution

ISO Diagrams

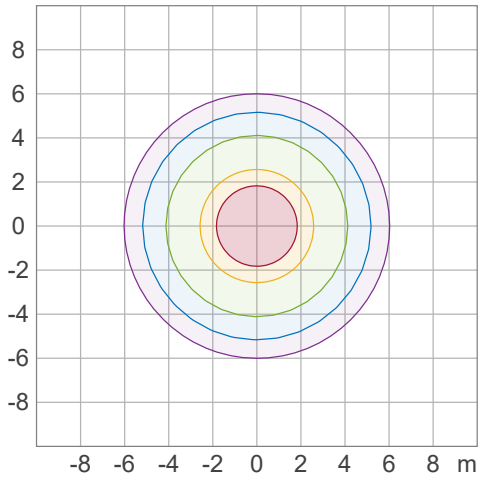
ISO Candela Diagram



90 %	3693.6 cd
80 %	3283.2 cd
70 %	2872.8 cd
60 %	2462.4 cd
50 %	2052.0 cd
40 %	1641.6 cd
30 %	1231.2 cd
20 %	820.8 cd
10 %	410.4 cd

Peak intensity: 4104.0 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	227.9 lx
30.0 %	136.7 lx
10.0 %	45.6 lx
5.0 %	22.8 lx
3.0 %	13.7 lx

Peak illuminance: 455.8 lx
Mounting height: 3.0 m
Number of c-planes: 8

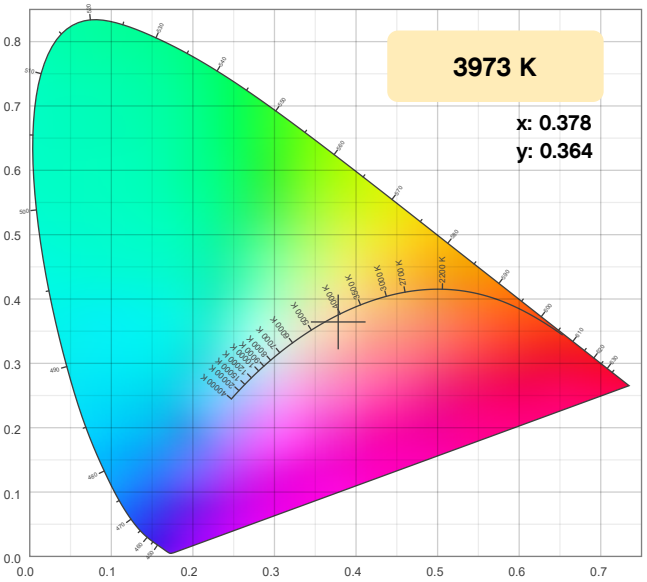
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Photometric & Chromaticity Report

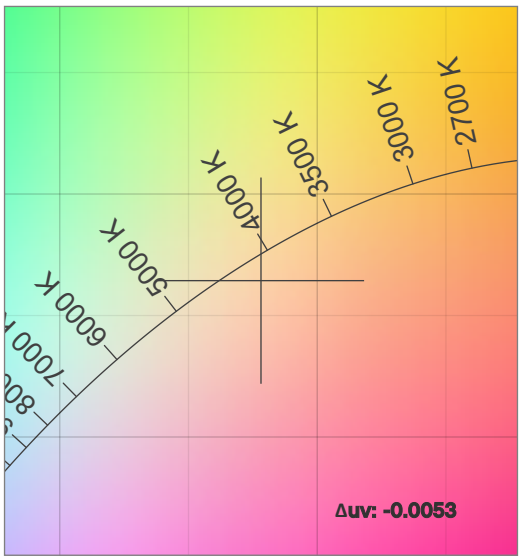
Ovation 2WL: Standard Optics - 4000K

Chromaticity

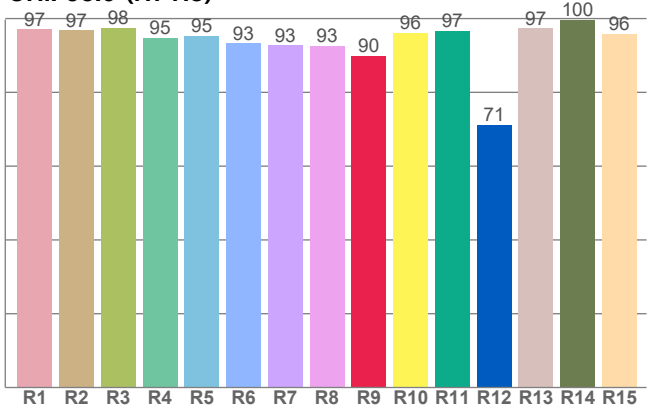
CIE 1931



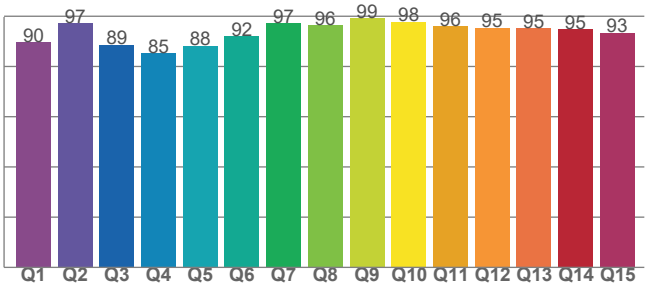
CIE 1931 - Zoom



CRI: 95.0 (R1-R8)



CQS: 92.6



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
3973 K	0.378	0.364

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
-0.0053	0.364	0.229

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
95.0	89.9	92.6

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
96	89.5	98.1

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Photometric & Chromaticity Report

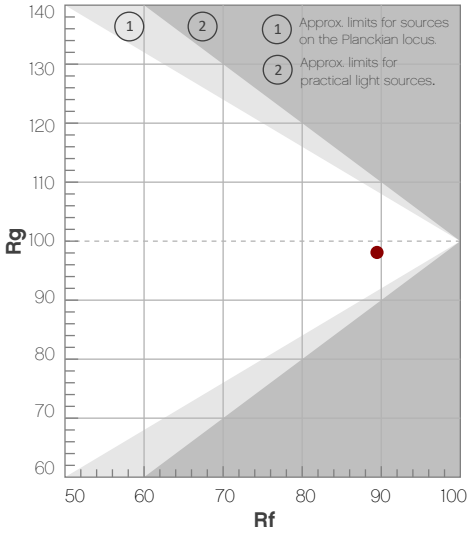
Ovation 2WL: Standard Optics - 4000K

TM-30 Details

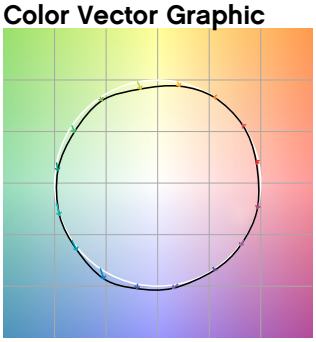
Rf 89.5
Fidelity Index (Rg)

Rg 98.1
Gammut Index (Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	91	-2%	2%
2	94	0%	1%
3	95	0%	1%
4	91	-4%	-2%
5	89	-7%	-2%
6	94	-3%	0%
7	90	-5%	4%
8	88	-3%	7%
9	84	-1%	12%
10	84	1%	10%
11	85	6%	8%
12	91	4%	0%
13	90	3%	-5%
14	93	1%	-2%
15	87	0%	-6%
16	87	0%	-5%



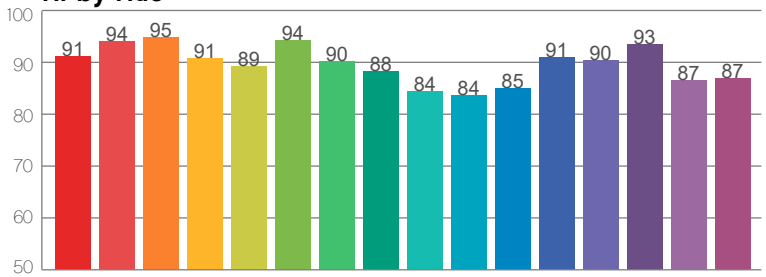
Color Vector Graphic



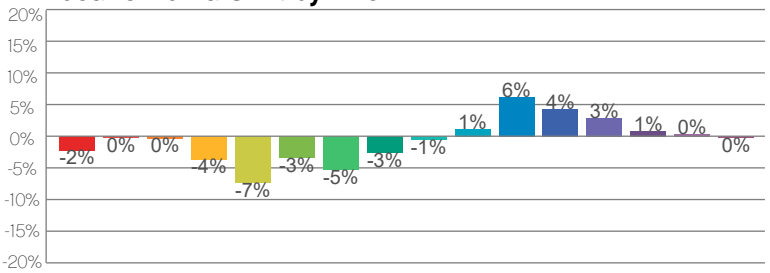
Color Distortion Graphic



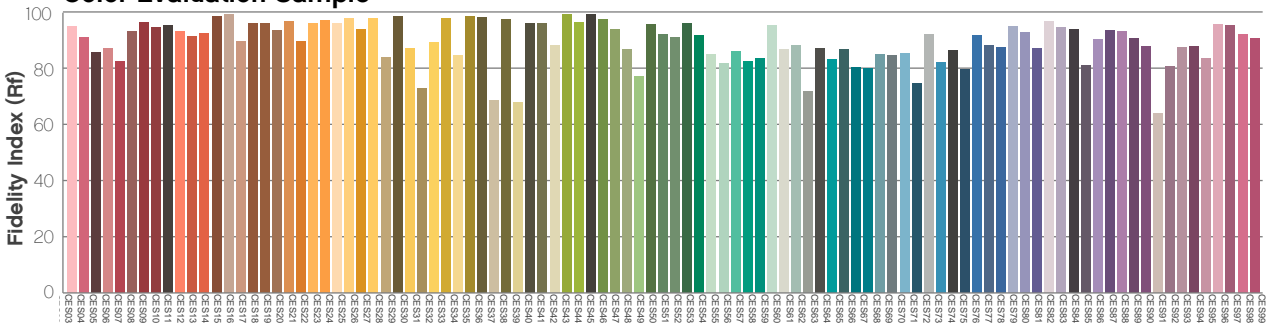
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



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Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 5600K

Report Summary

Measurements

Fixture Output: 11057 lm
Fixture Peak: 4167 cd
Fixture Efficacy: 107 lm/W
Intensity @ 5m: 166 lux
Color Temperature: 5560 K
CRI: 94.1 CRI R9 Value: 85.2
CQS: 90.8
TLCI: 94
TM-30 Rf: 88.4
TM-30 Rg: 96.5
Beam Angle (50%): 106.6°
Field Angle (10%): 157.8°
Cutoff Angle (3%): 170.6°

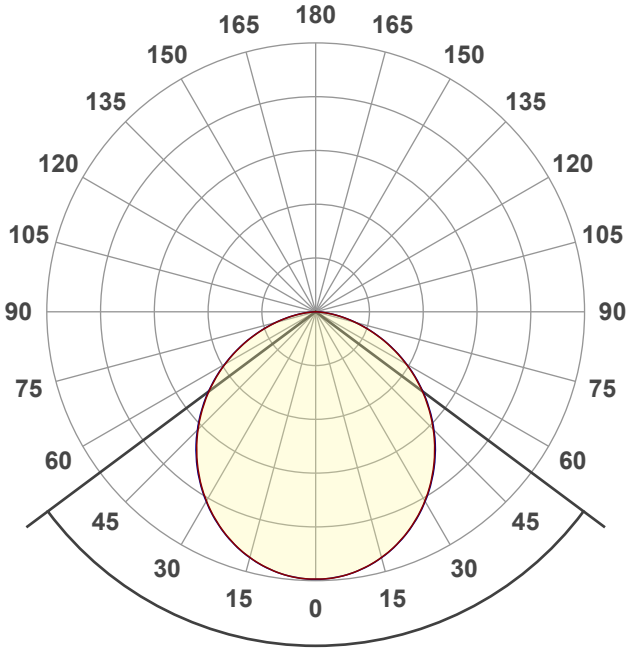
Conditions

AC Supply: 118 V, 60 Hz
Power: 105.95 W
Current: 0.897 A
Power Factor: 0.97

This data sheet conforms to American National Standard E1.9 – 2007 (R2017). All data was measured and calculated by a Viso Systems LabSpion Goniometer at the Chauvet PD Optics Laboratory in Davie, FL on 2/13/2026 to LM-63-2002 Standards.

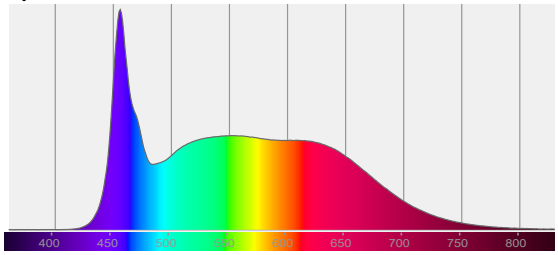
Overall Measurement

Angular Beam Distribution



Beam Angle 106.6°

Spectral Distribution



Tested Color (CIE 1931):
X: 0.331
Y: 0.340

Light Quality

CRI: 94.1

Color Temperature

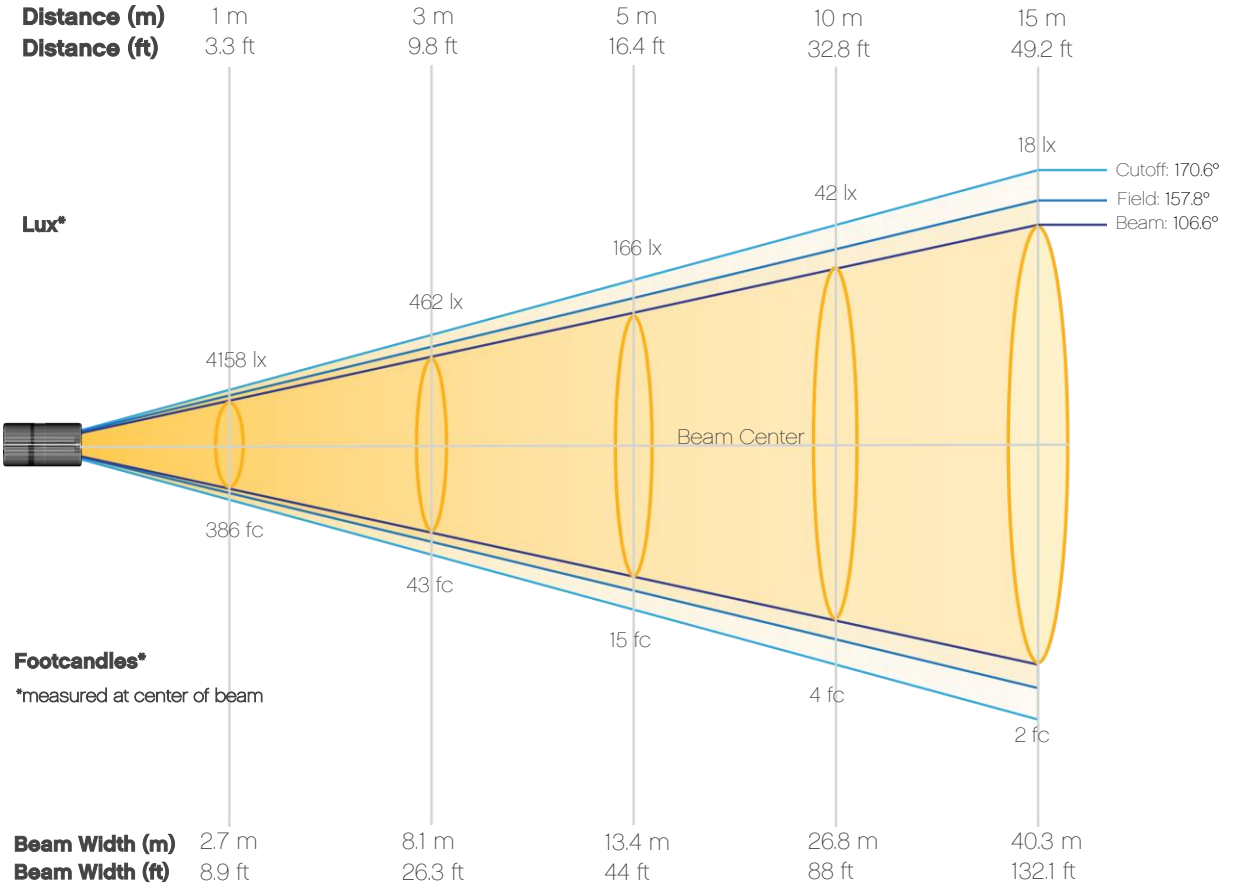
5560 K

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Photometric & Chromaticity Report

Ovation 2WL: Standard Optics - 5600K

Beam Details



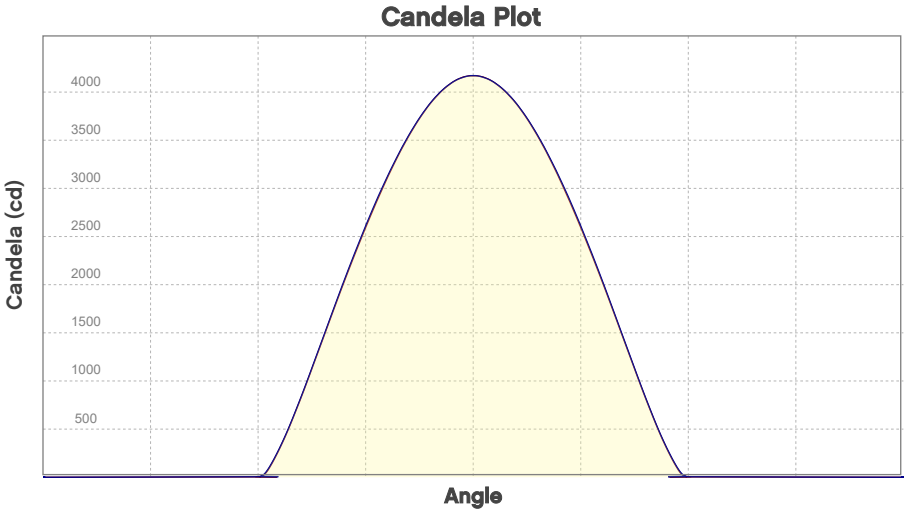
Beam Intensities from 1-20m (3.3-65.6ft)

Distance	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Lux	4158	1039	462	260	166	115	85	65	51	42
Distance	**11m**	**12m**	**13m**	**14m**	**15m**	**16m**	**17m**	**18m**	**19m**	**20m**
Lux	34	29	25	21	18	16	14	13	12	10
Distance	**3.3ft**	**6.6ft**	**9.8ft**	**13.1ft**	**16.4ft**	**19.7ft**	**23ft**	**26.2ft**	**29.5ft**	**32.8ft**
FC	386	97	43	24	15	11	8	6	5	4
Distance	**36.1ft**	**39.4ft**	**42.7ft**	**45.9ft**	**49.2ft**	**52.5ft**	**55.8ft**	**59.1ft**	**62.3ft**	**65.6ft**
FC	3	3	2	2	2	2	1	1	1	1

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Photometric & Chromaticity Report

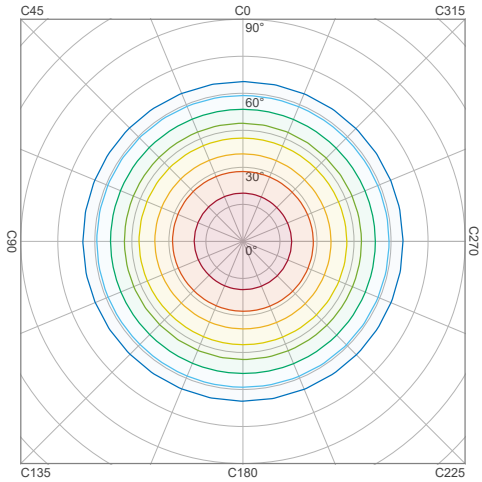
Ovation 2WL: Standard Optics - 5600K



Beam Angle (50%): 106.6°
Field Angle (10%): 157.8°
Cutoff Angle (3%): 170.6°

ISO Diagrams

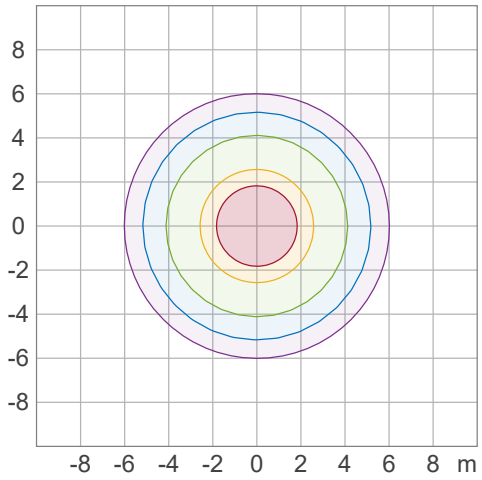
ISO Candela Diagram



90 %	3749.9 cd
80 %	3333.2 cd
70 %	2916.6 cd
60 %	2499.9 cd
50 %	2083.3 cd
40 %	1666.6 cd
30 %	1250.0 cd
20 %	833.3 cd
10 %	416.7 cd

Peak intensity: 4166.5 cd
Number of c-planes: 8

ISO Lux Diagram



50.0 %	231.4 lx
30.0 %	138.8 lx
10.0 %	46.3 lx
5.0 %	23.1 lx
3.0 %	13.9 lx

Peak illuminance: 462.7 lx
Mounting height: 3.0 m
Number of c-planes: 8

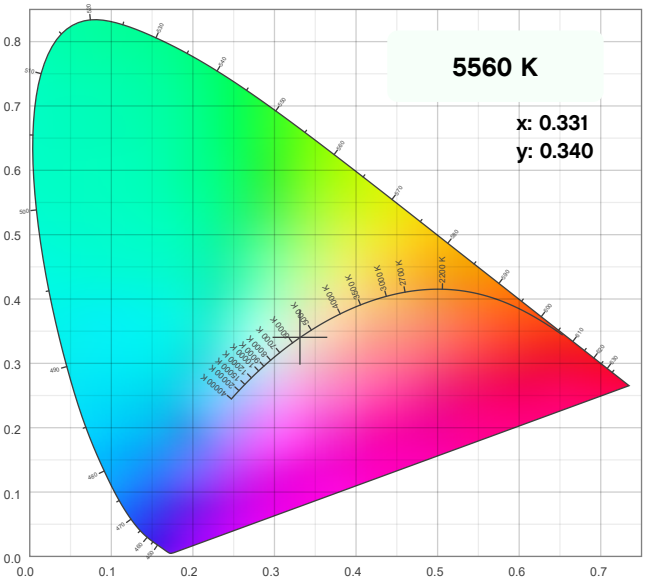
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Photometric & Chromaticity Report

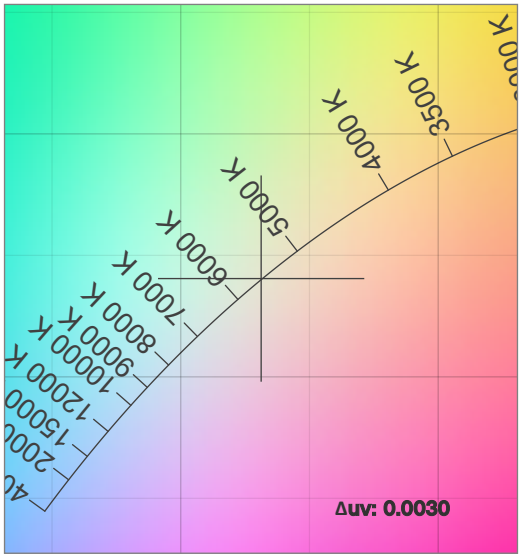
Ovation 2WL: Standard Optics - 5600K

Chromaticity

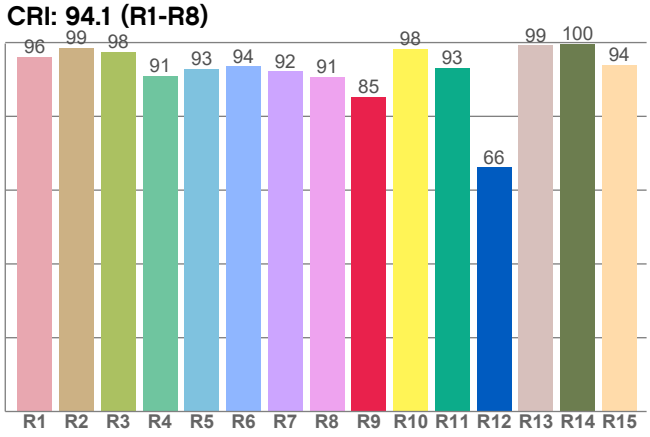
CIE 1931



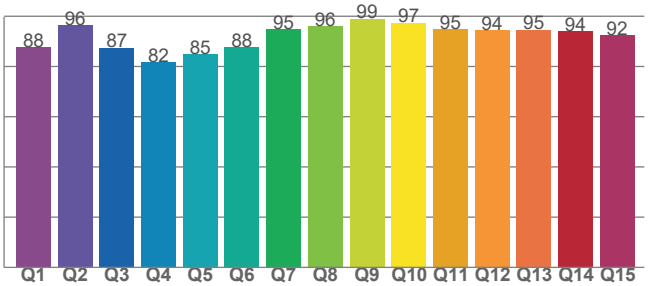
CIE 1931 - Zoom



CRI: 94.1 (R1-R8)



CQS: 90.8



Color Parameters

Color Temperature	Color Coordinate CIE 1931	Color Coordinate CIE 1931
CCT	x	y
5560 K	0.331	0.340

Color Deviation from Black Body Curve	Color Coordinate CIE 1964	Color Coordinate CIE 1964
Δuv	y	u
0.0030	0.340	0.206

Color Rendering Index	Red Component	Color Quality Scale
CRI	CRI - R9	CQS
94.1	85.2	90.8

Television Lighting Consistency Index	Color Fidelity	Color Gamut
TLCI	TM30 - Rf	TM30 Rg
94	88.4	96.5

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Photometric & Chromaticity Report

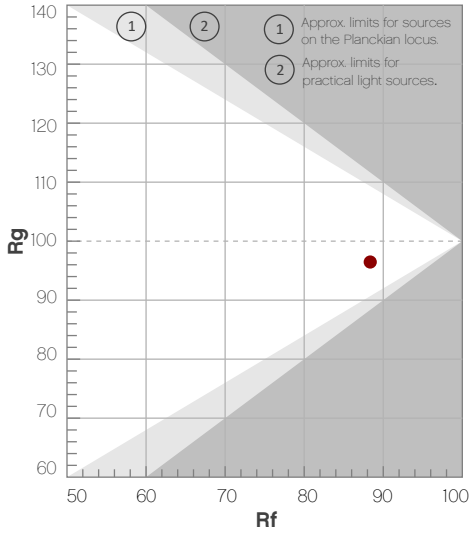
Ovation 2WL: Standard Optics - 5600K

TM-30 Details

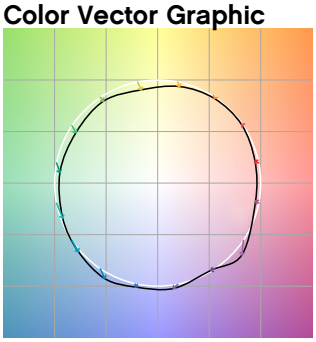
Rf 88.4
Fidelity Index
(Rg)

Rg 96.5
Gammut Index
(Rg)

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	89	-3%	2%
2	94	-1%	2%
3	94	-1%	0%
4	90	-4%	-3%
5	88	-8%	-2%
6	93	-5%	-1%
7	88	-7%	3%
8	84	-5%	8%
9	83	-3%	15%
10	80	1%	13%
11	84	6%	9%
12	95	3%	-2%
13	90	3%	-5%
14	92	-1%	-4%
15	81	7%	-12%
16	93	-3%	1%



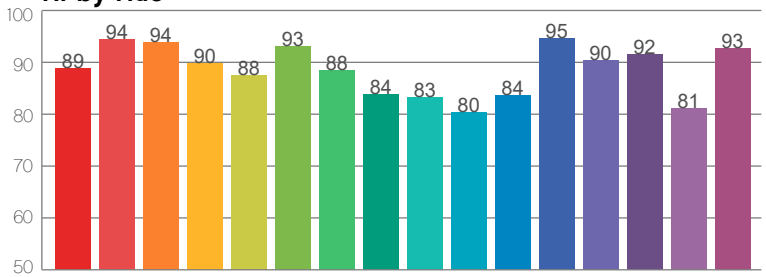
Color Vector Graphic



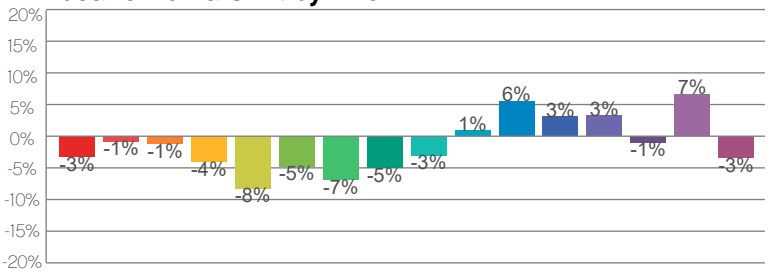
Color Distortion Graphic



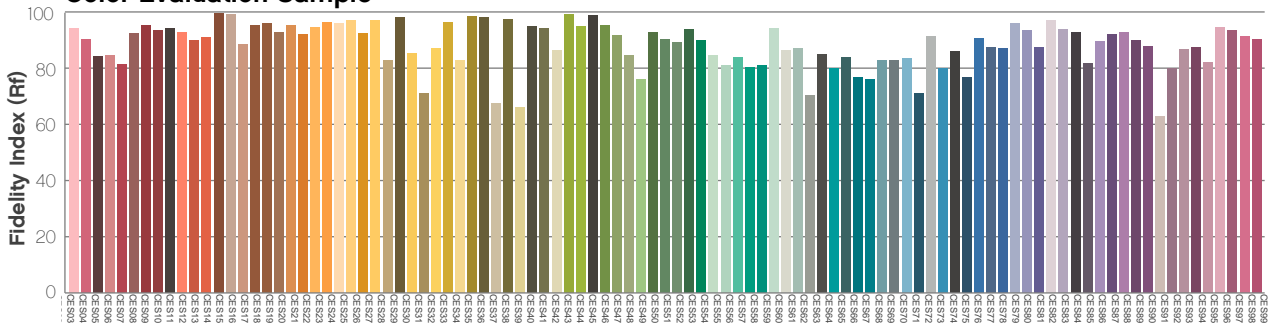
Rf by Hue



Local Chroma Shift by Hue



Color Evaluation Sample



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