ELATION®

Fuze Wash 250

Photometric &

Chromaticity Test Reports

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Testing Process

Total Lumen Measurements

Lumens are measured using a Viso Systems Lab Spion. As a goniophotometer, the Viso calculates the field lumens of the fixture by taking multiple measurements across the light beam.

Many lumens figures provided for entertainment lighting fixtures are only 2π sphere values, some even emphasize the LED engine lumens. All Elation product photometric data is the actual light output from the fixture lens, never a theoretical value based on calculation or using the source lumens as the fixtures output. We advise to always compare total fixture lumens acquired with identical measurement systems when comparing lighting fixtures.

Test Lab Equipment and Process

Elation operates an optical testing laboratory at its Los Angeles, CA headquarters to provide accurate photometric data for its lighting products. The testing lab is both light and climate- controlled and contains a variety of precise lighting measurement systems. Fixtures are analyzed with the sophisticated Viso Systems Lab Spion equipment, which measures all light and color parameters by panning the light beam at a precise speed and from different angles through a calibrated, laser aligned light and color sensor. Test data is collected and summarized by the Viso Light Inspector software. This type of measurement system is referred to as a Goniophotometer.

The Viso software calculates all relevant types of measurements, from beam angles, candela to center light intensity at a variety of distances to the latest color quality measurements like TM30 or CQS as well as accurate color temperature. This wealth of data is then processed by an Elation specific template which is included in the photometric test report for various fixture conditions such as zoom angles and color correction filters.

The Viso software also creates IES (Illuminating Engineering Society) files for each test report. IES is an industry standard file format created for the easy electronic transfer of photometric test data, which is widely used by lighting manufacturers for photometric data distribution.

Additionally, fixtures are periodically rechecked for accuracy using various hand-held light meters including one or more of the devices listed below. This is done to ensure the test data contained in this report is as accurate as possible.

Asenstek Lighting Passport | Konica Minolta T-10 | Sekonic C800U

Key Measurements

Output

Total Lumen Output: 7883 lm

Peak Intensity: 17627 cd

Beam

Beam Angle (50%): 43.7°

Field Angle (10%): 51.7°

Cutoff Angle (2.5%): 55.8°

Color

Color Temperature: 5789 K

CRI: 92.6

TLCI: 95

TM30 R_F: 90.7

TM30 R_g: 102.5

Power Details

Efficacy: 24 Lumen/Watt

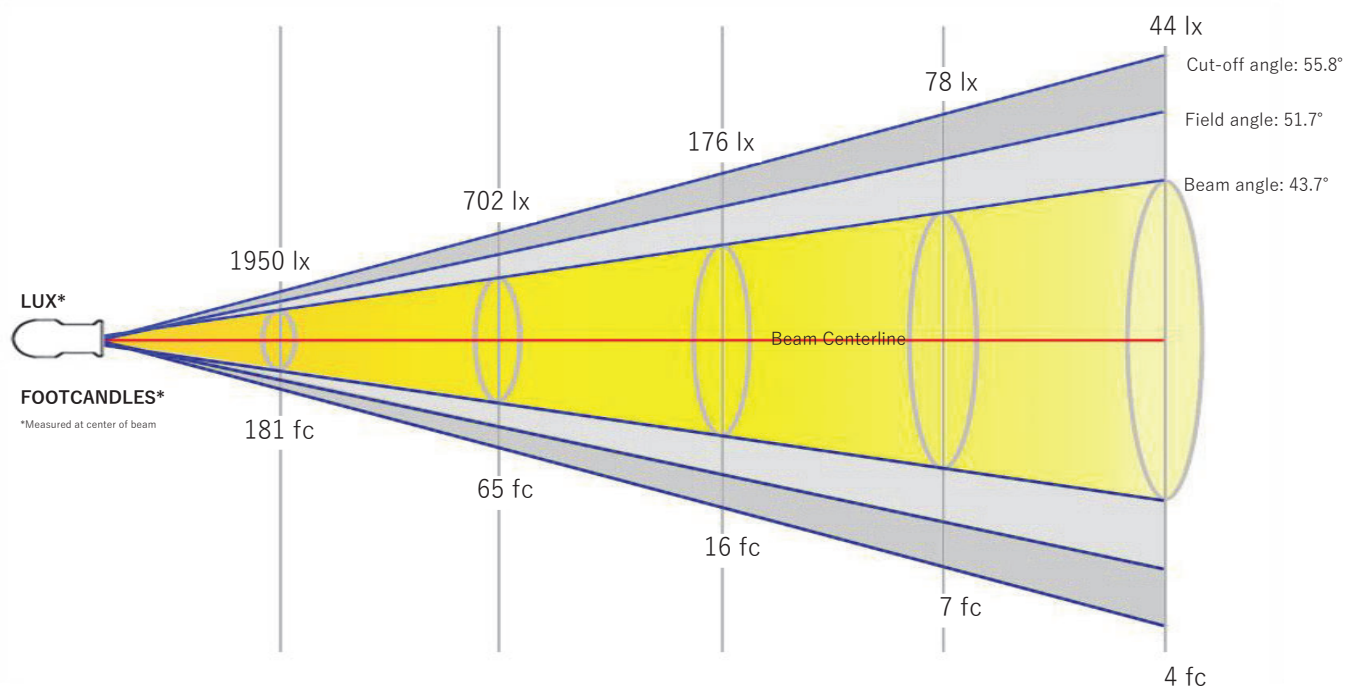
Power: 330.2 W

Supply Voltage: 116 V

Current: 2.85 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	2.4 m	4 m	8 m	12 m	16 m

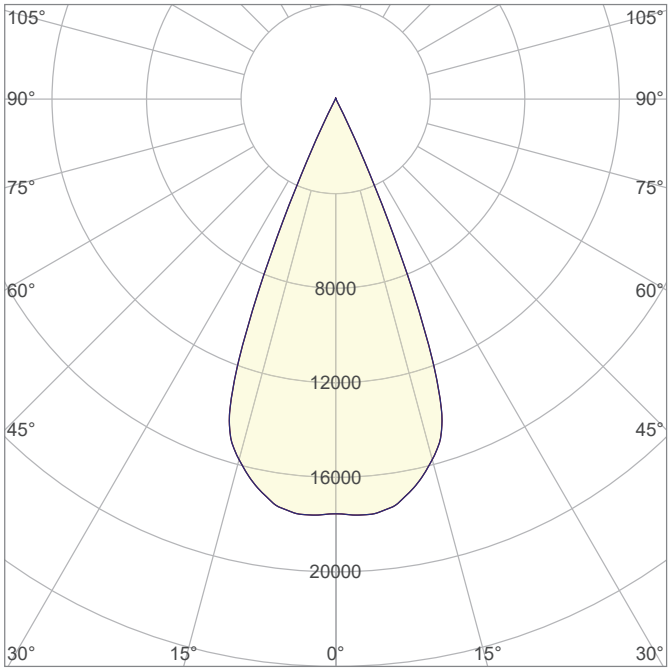


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	7.9 ft	13.2 ft	26.3 ft	39.5 ft	52.6 ft

Beam Intensities from 1-20m

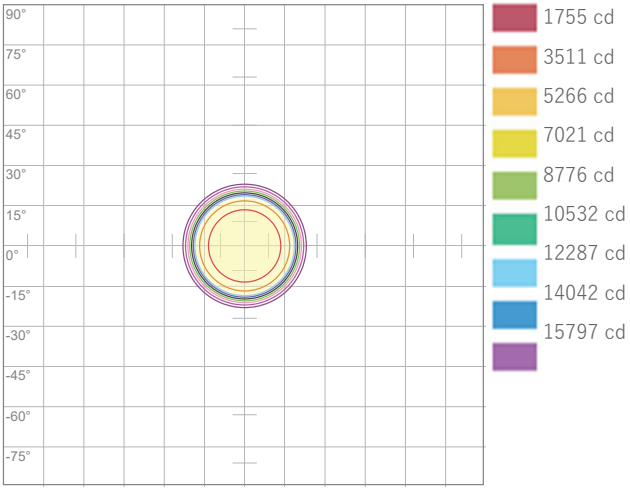
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	17553	4388	1950	1097	702	488	358	274	217	176	145	122	104	90	78	69	61	54	49	44
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	1630.7	407.7	181.2	101.9	65.2	45.3	33.3	25.5	20.1	16.3	13.5	11.3	9.6	8.3	7.2	6.4	5.6	5	4.5	4.1

Angular Distribution



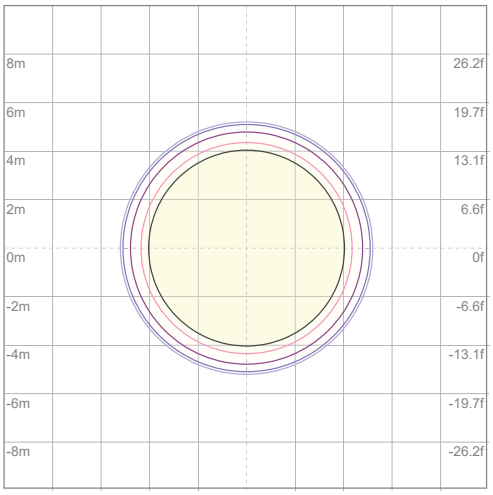
Beam Angle - 50%
43.7°
Field Angle - 10%
51.7°
Cutoff Angle - 2.5%
55.8°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 17553 cd

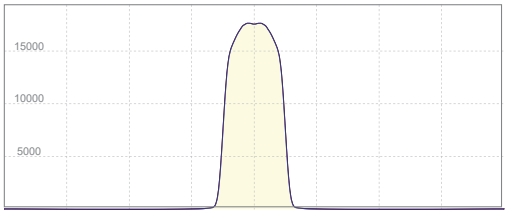


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 176 lx

Linear Distribution



Peak Candela
17627 cd

Calculate Center Beam Intensities

$lux = 17627 / distance(m)^2$

$fc = 17627 / distance(ft)^2$

Fuze Wash 250

Zoom 50%,Full Output

Prepared For ELATION PROFESSIONAL

Key Measurements

Output

Total Lumen Output: 5910 lm

Peak Intensity: 51035 cd

Beam

Beam Angle (50%): 21.2°

Field Angle (10%): 28.1°

Cutoff Angle (2.5%): 31.8°

Color

Color Temperature: 5807 K

CRI: 92.6

TLCI: 95

TM30 R_F: 90.7

TM30 R_g: 102.9

Power Details

Efficacy: 18 Lumen/Watt

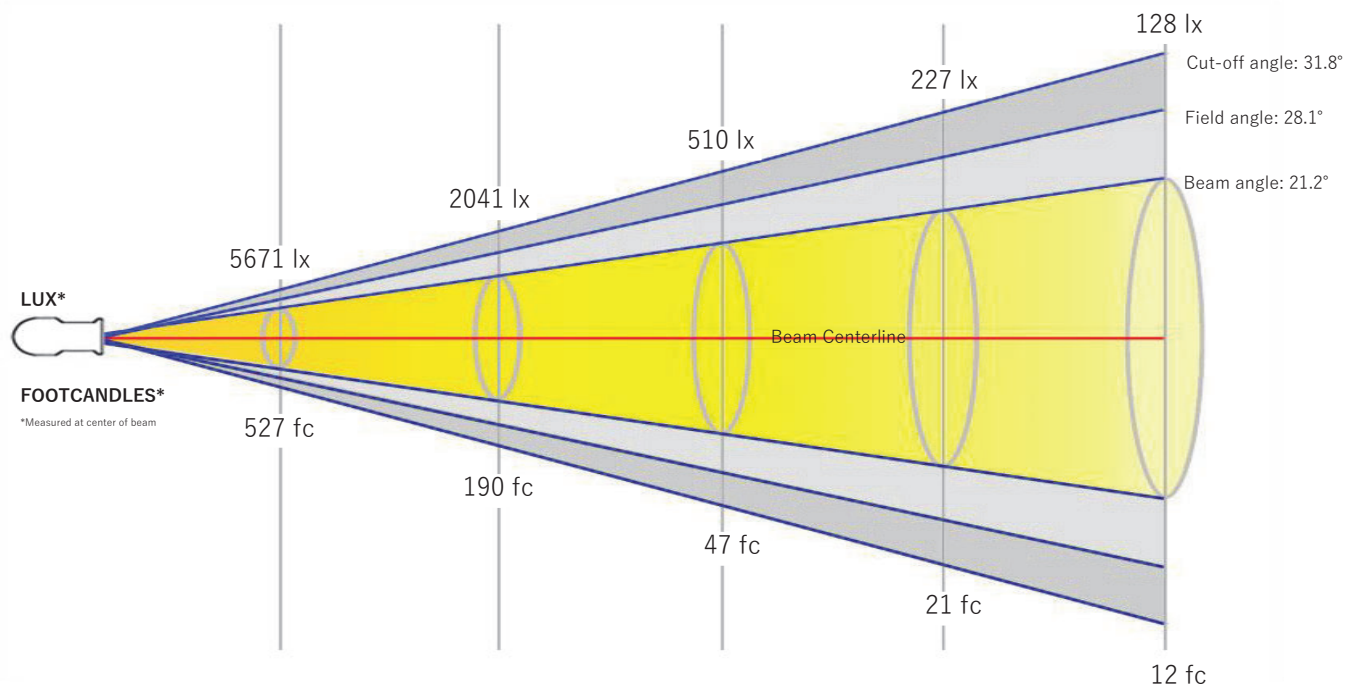
Power: 332.5 W

Supply Voltage: 116 V

Current: 2.87 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.7 m	5.6 m	7.5 m



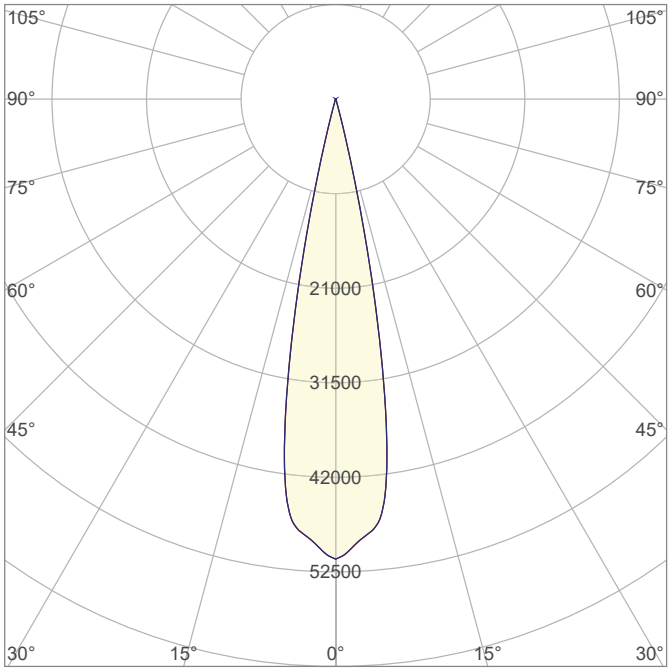
Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	3.7 ft	6.1 ft	12.3 ft	18.4 ft	24.5 ft

Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	51035	12759	5671	3190	2041	1418	1042	797	630	510	422	354	302	260	227	199	177	158	141	128
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	4741.3	1185.3	526.8	296.3	189.7	131.7	96.8	74.1	58.5	47.4	39.2	32.9	28.1	24.2	21.1	18.5	16.4	14.6	13.1	11.9

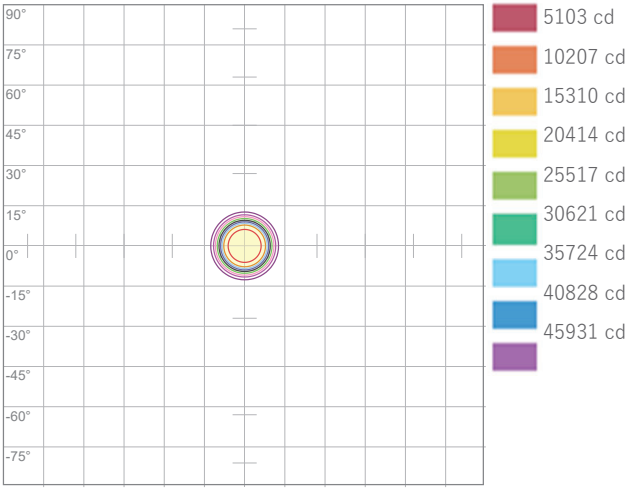
Measurement Date: 4/23/2026

Angular Distribution



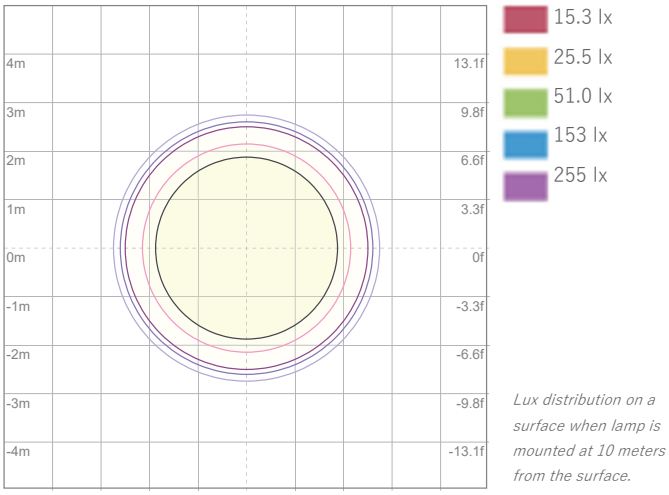
Beam Angle - 50%
21.2°
Field Angle - 10%
28.1°
Cutoff Angle - 2.5%
31.8°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 51035 cd

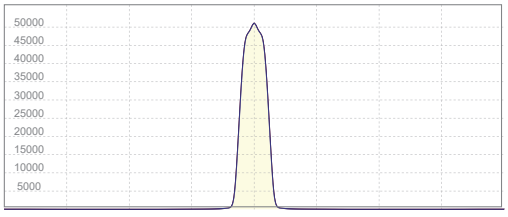


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 510 lx

Linear Distribution



Peak Candela
51035 cd

Calculate Center Beam Intensities

lux = 51035 / distance(m)^2
fc = 51035 / distance(ft)^2

Measurement Date: 4/23/2026

Fuze Wash 250

Zoom Narrow,Full Output

Prepared For ELATION PROFESSIONAL

Key Measurements

Output

Total Lumen Output: 3483 lm

Peak Intensity: 228166 cd

Beam

Beam Angle (50%): 6.9°

Field Angle (10%): 11.6°

Cutoff Angle (2.5%): 14.5°

Color

Color Temperature: 5830 K

CRI: 92.7

TLCI: 94

TM30 R_F: 90.6

TM30 R_g: 103.5

Power Details

Efficacy: 10 Lumen/Watt

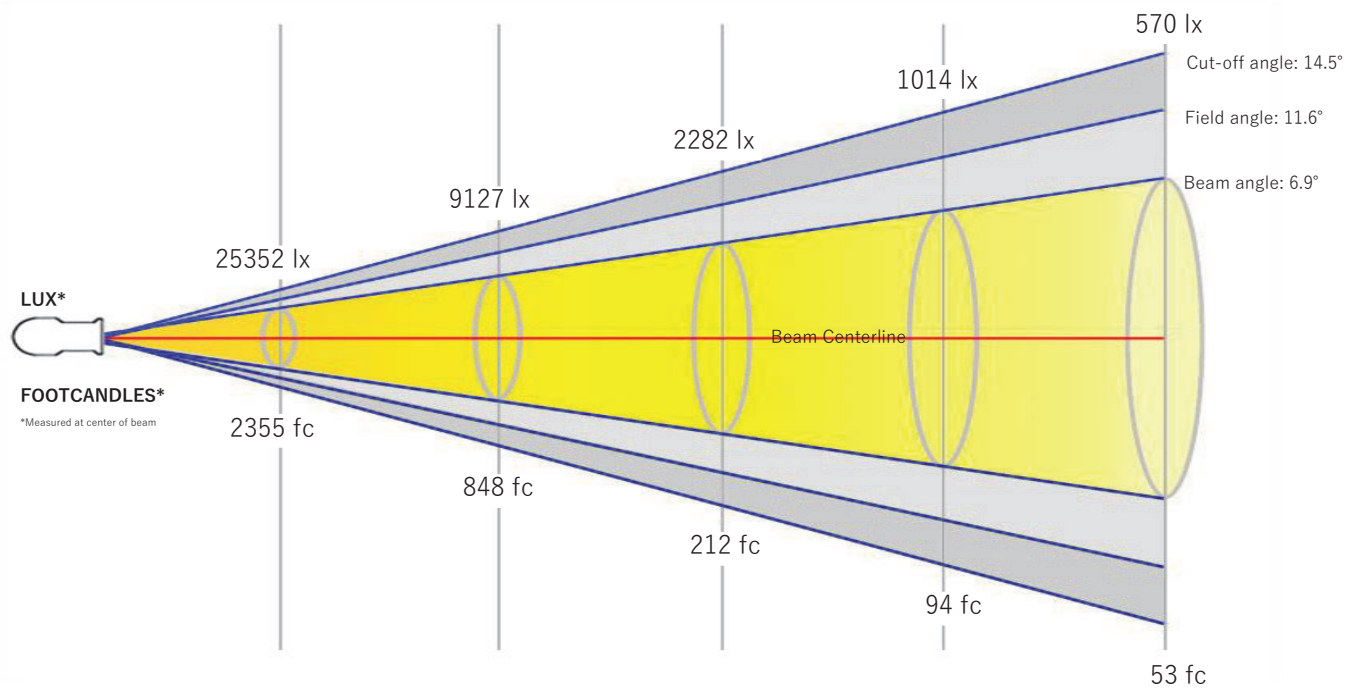
Power: 333 W

Supply Voltage: 116 V

Current: 2.87 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	0.4 m	0.6 m	1.2 m	1.8 m	2.4 m



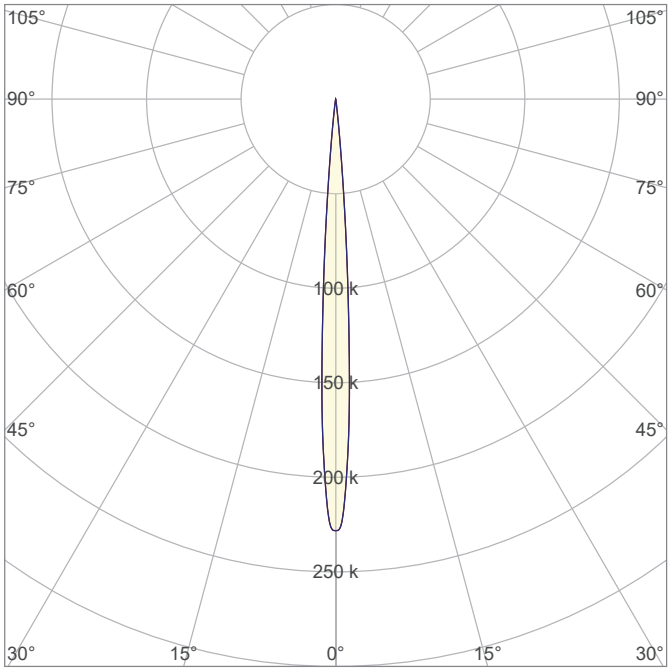
Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	1.2 ft	2 ft	3.9 ft	5.9 ft	7.9 ft

Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	228166	57042	25352	14260	9127	6338	4656	3565	2817	2282	1886	1584	1350	1164	1014	891	790	704	632	570
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	21197.3	5299.3	2355.3	1324.8	847.9	588.8	432.6	331.2	261.7	212	175.2	147.2	125.4	108.1	94.2	82.8	73.3	65.4	58.7	53

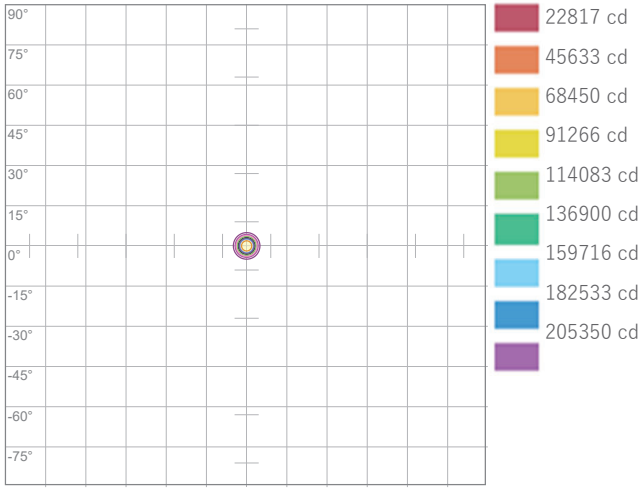
Measurement Date: 4/23/2026

Angular Distribution



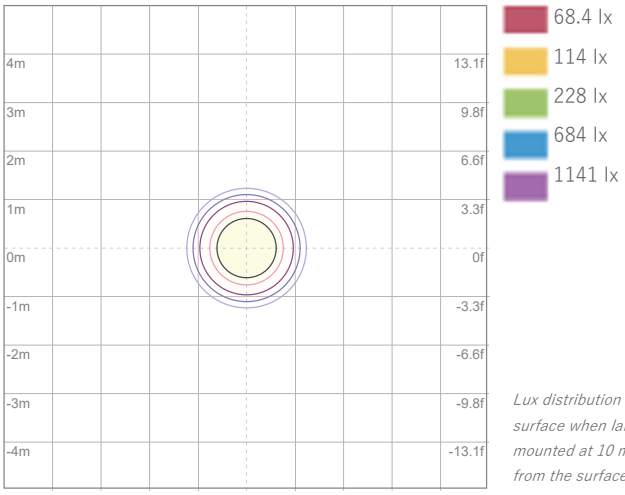
Beam Angle - 50%
6.9°
Field Angle - 10%
11.6°
Cutoff Angle - 2.5%
14.5°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 228166 cd

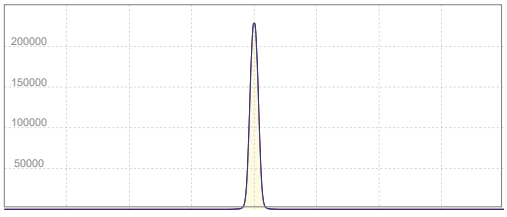


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 2282 lx

Linear Distribution



Peak Candela
228166 cd

Calculate Center Beam Intensities

lux = 228166 / distance(m)²
fc = 228166 / distance(ft)²

Measurement Date: 4/23/2026

Key Measurements

Output

Total Lumen Output: 5121 lm

Peak Intensity: 44146 cd

Beam

Beam Angle (50%): 21.2°

Field Angle (10%): 28.2°

Cutoff Angle (2.5%): 31.8°

Color

Color Temperature: 2688 K

CRI: 90.3

TLCI: 93

TM30 R_F: 93.6

TM30 R_g: 104.6

Power Details

Efficacy: 17 Lumen/Watt

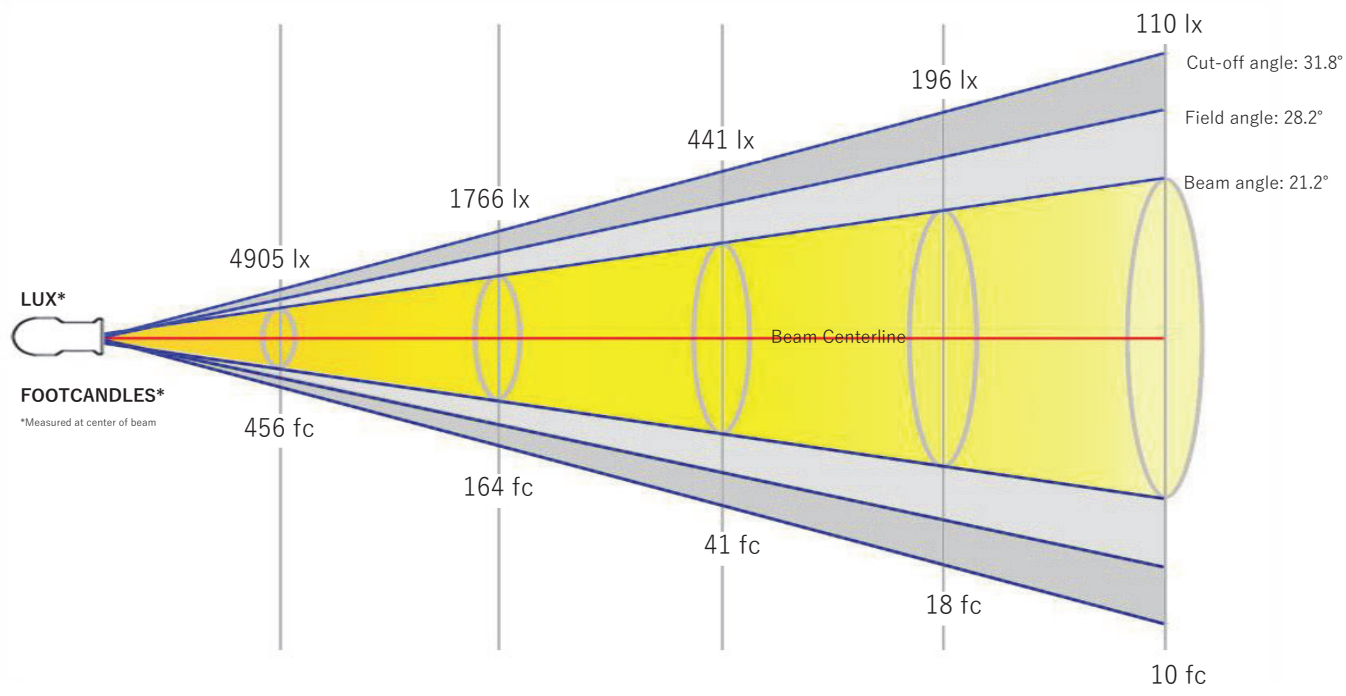
Power: 300 W

Supply Voltage: 116 V

Current: 2.59 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.7 m	5.6 m	7.5 m

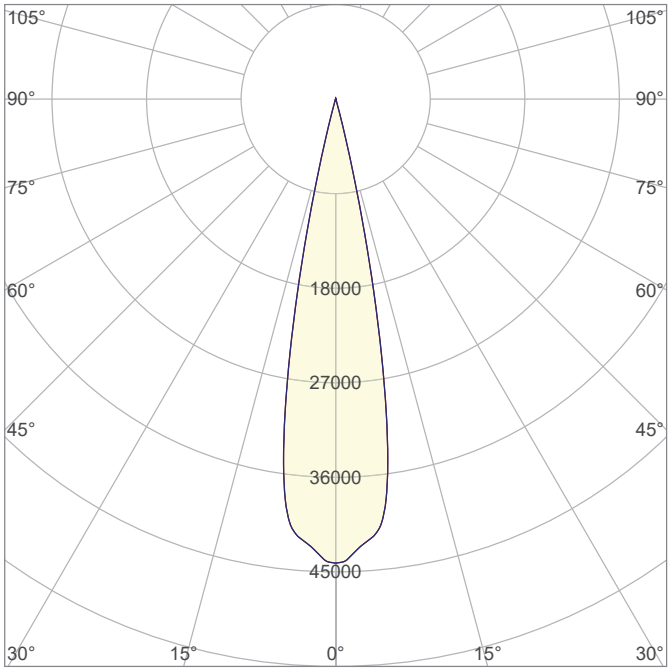


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	3.7 ft	6.1 ft	12.3 ft	18.4 ft	24.6 ft

Beam Intensities from 1-20m

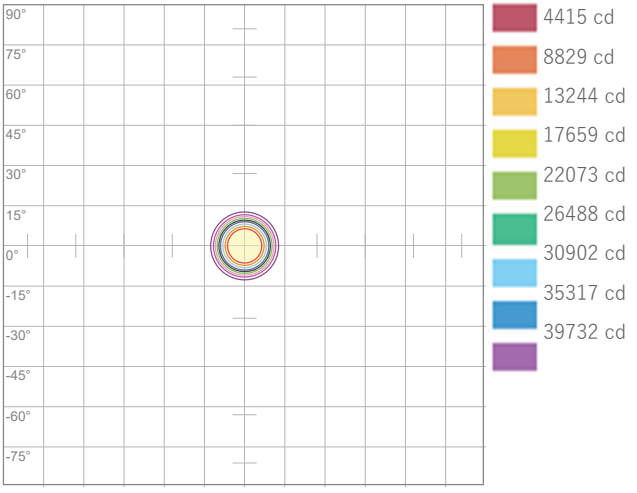
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	44146	11037	4905	2759	1766	1226	901	690	545	441	365	307	261	225	196	172	153	136	122	110
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	4101.3	1025.3	455.7	256.3	164.1	113.9	83.7	64.1	50.6	41	33.9	28.5	24.3	20.9	18.2	16	14.2	12.7	11.4	10.3

Angular Distribution



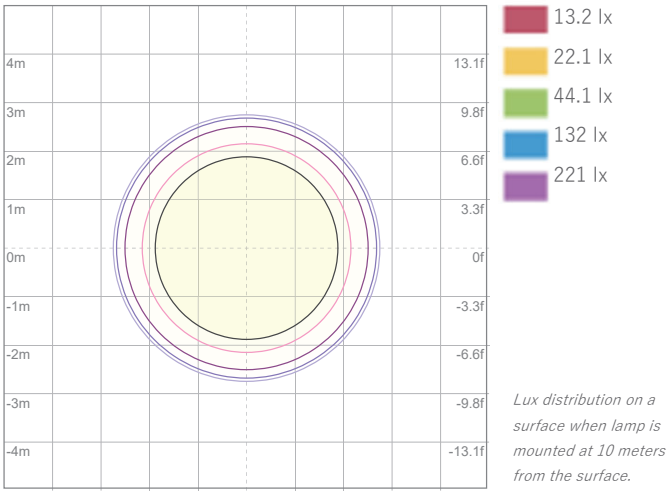
Beam Angle - 50%
21.2°
Field Angle - 10%
28.2°
Cutoff Angle - 2.5%
31.8°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 44146 cd

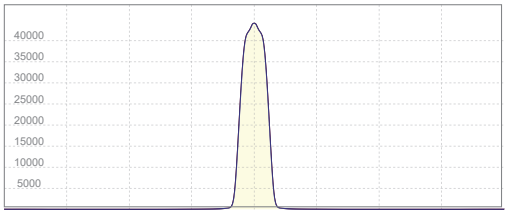


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 441 lx

Linear Distribution



Peak Candela
44146 cd

Calculate Center Beam Intensities

lux = 44146 / distance(m)^2
fc = 44146 / distance(ft)^2

Measurement Date: 4/23/2026

Key Measurements

Output

Total Lumen Output: 6044 lm

Peak Intensity: 52067 cd

Beam

Beam Angle (50%): 21.2°

Field Angle (10%): 28.2°

Cutoff Angle (2.5%): 31.9°

Color

Color Temperature: 3187 K

CRI: 91.8

TLCI: 95

TM30 R_F: 92.8

TM30 R_g: 104.7

Power Details

Efficacy: 18 Lumen/Watt

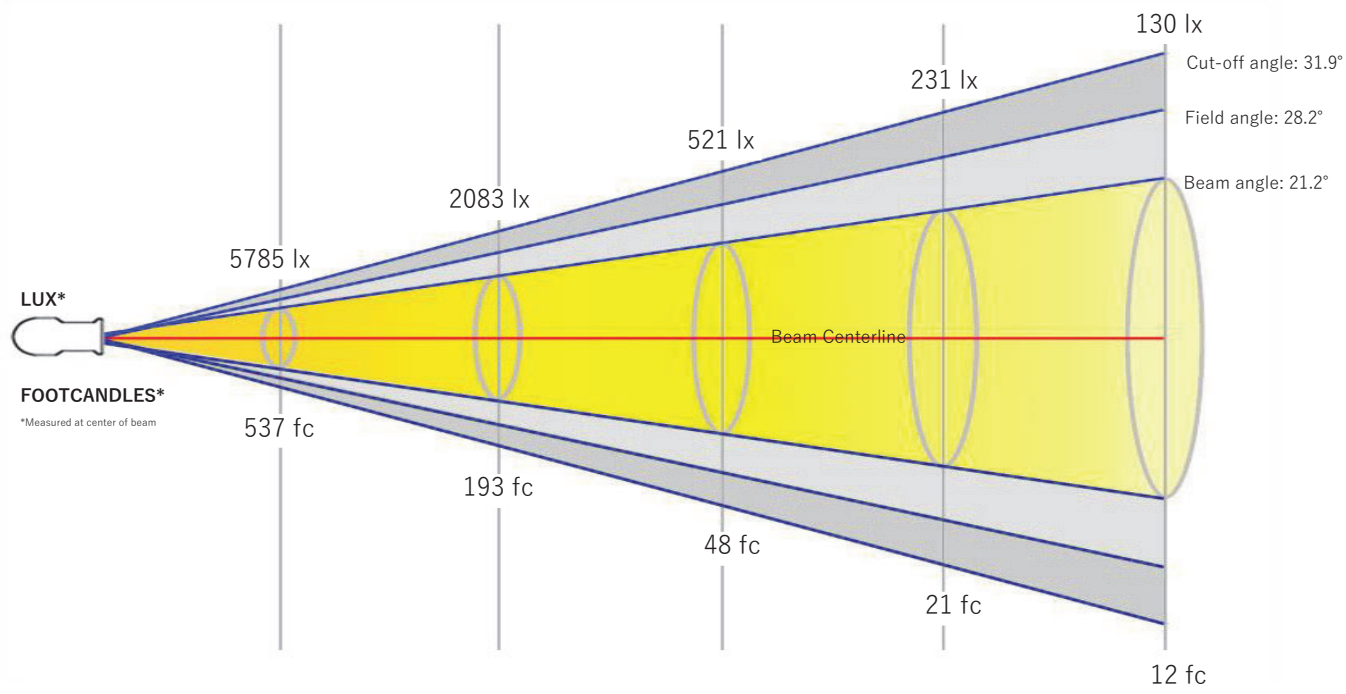
Power: 341.8 W

Supply Voltage: 116 V

Current: 2.95 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.7 m	5.6 m	7.5 m

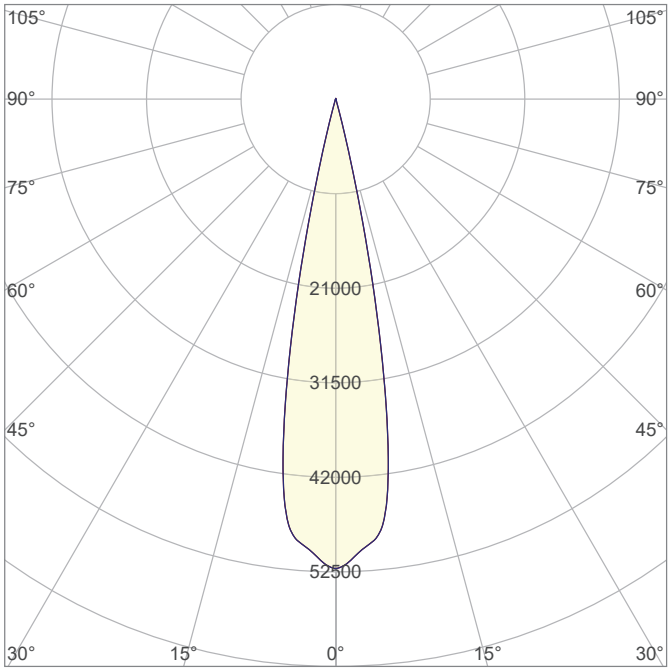


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	3.7 ft	6.1 ft	12.3 ft	18.4 ft	24.6 ft

Beam Intensities from 1-20m

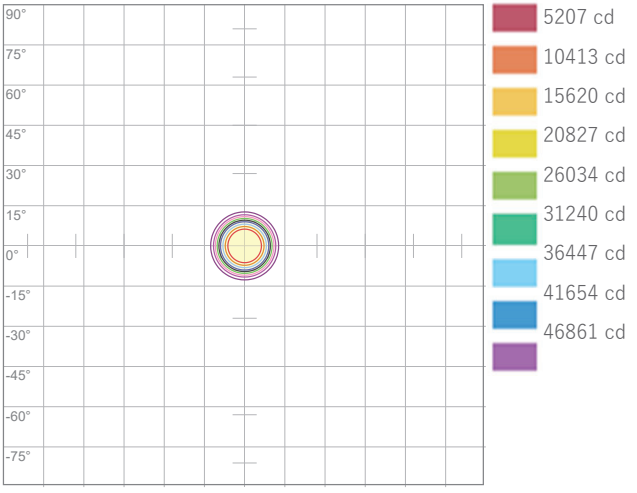
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	52067	13017	5785	3254	2083	1446	1063	814	643	521	430	362	308	266	231	203	180	161	144	130
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	4837.2	1209.3	537.5	302.3	193.5	134.4	98.7	75.6	59.7	48.4	40	33.6	28.6	24.7	21.5	18.9	16.7	14.9	13.4	12.1

Angular Distribution



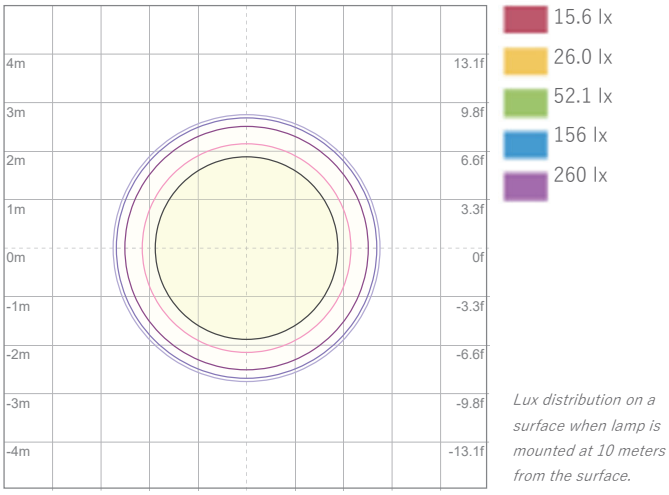
Beam Angle - 50%
21.2°
Field Angle - 10%
28.2°
Cutoff Angle - 2.5%
31.9°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 52067 cd

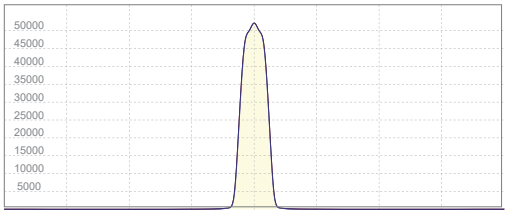


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 521 lx

Linear Distribution



Peak Candela
52067 cd

Calculate Center Beam Intensities

$lux = 52067 / distance(m)^2$

$fc = 52067 / distance(ft)^2$

Key Measurements

Output

Total Lumen Output: 5895 lm

Peak Intensity: 50867 cd

Beam

Beam Angle (50%): 21.2°

Field Angle (10%): 28.2°

Cutoff Angle (2.5%): 31.8°

Color

Color Temperature: 5560 K

CRI: 92.4

TLCI: 95

TM30 R_F: 90.8

TM30 R_g: 104.3

Power Details

Efficacy: 18 Lumen/Watt

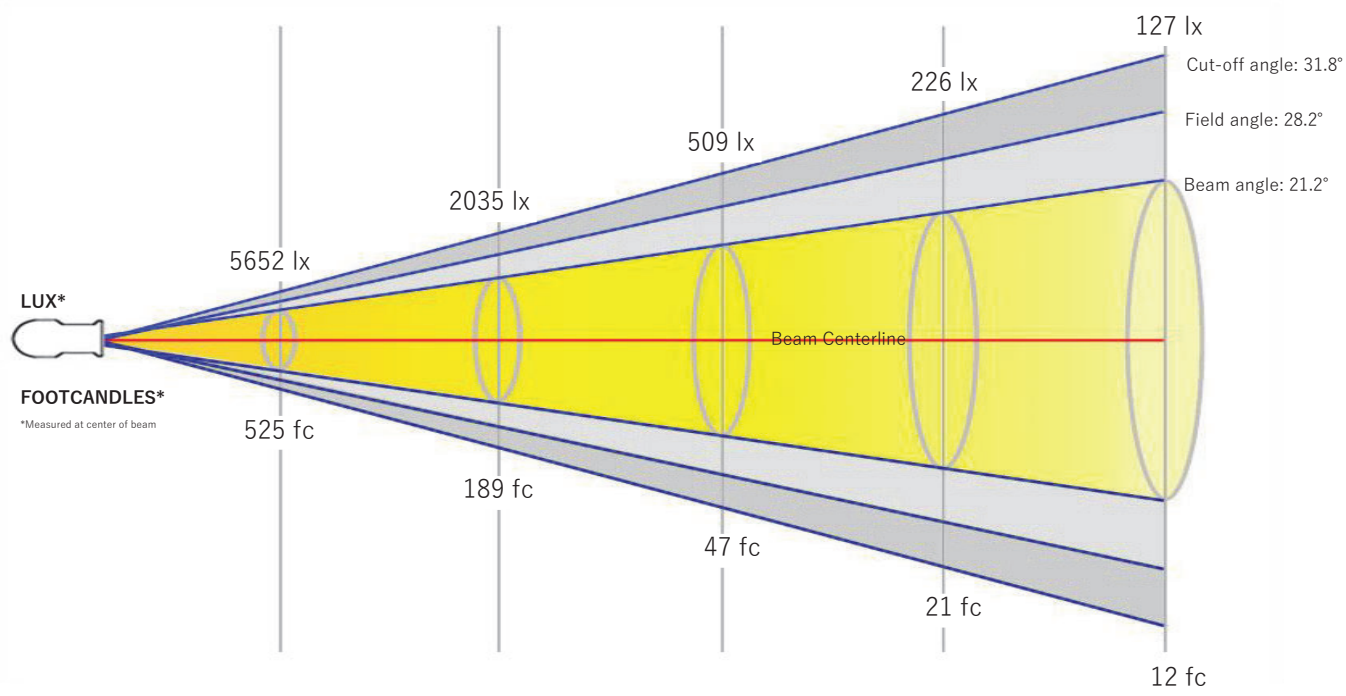
Power: 333.2 W

Supply Voltage: 116 V

Current: 2.87 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.7 m	5.6 m	7.5 m

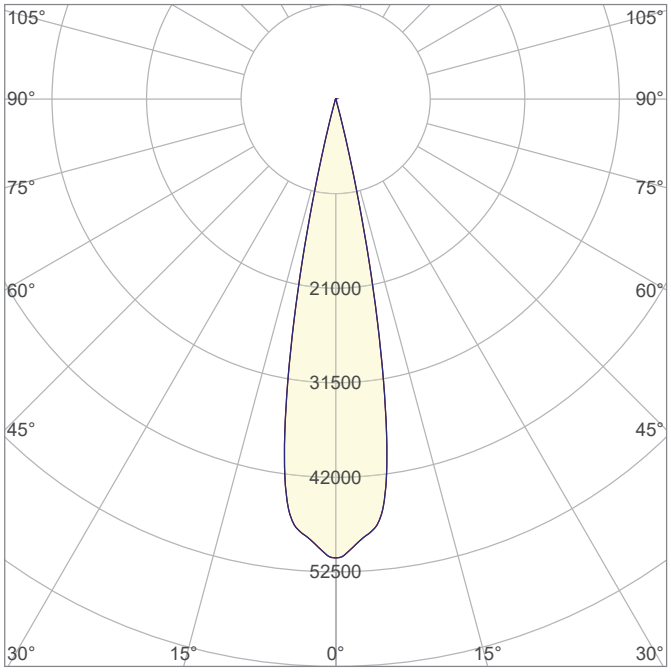


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	3.7 ft	6.1 ft	12.3 ft	18.4 ft	24.5 ft

Beam Intensities from 1-20m

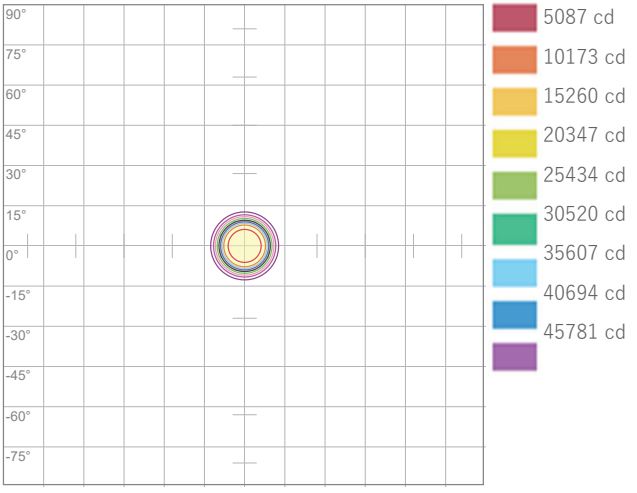
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	50867	12717	5652	3179	2035	1413	1038	795	628	509	420	353	301	260	226	199	176	157	141	127
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	4725.7	1181.4	525.1	295.4	189	131.3	96.4	73.8	58.3	47.3	39.1	32.8	28	24.1	21	18.5	16.4	14.6	13.1	11.8

Angular Distribution



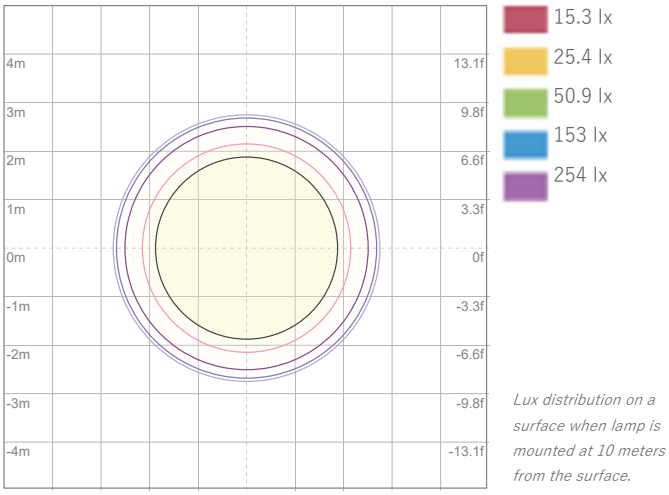
Beam Angle - 50%
21.2°
Field Angle - 10%
28.2°
Cutoff Angle - 2.5%
31.8°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 50867 cd

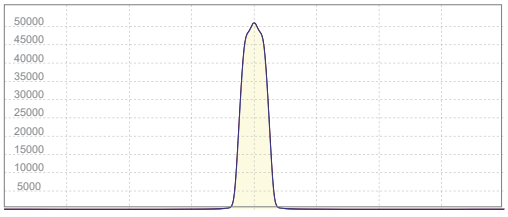


ISO LUX Diagram

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

Conditions:
Number of c-planes: 8
LUX at center: 509 lx

Linear Distribution



Peak Candela
50867 cd

Calculate Center Beam Intensities

lux = 50867 / distance(m)^2
fc = 50867 / distance(ft)^2

Fuze Wash 250

Zoom 50%,6500K

Prepared For ELATION PROFESSIONAL

Key Measurements

Output

Total Lumen Output: 5877 lm

Peak Intensity: 50509 cd

Beam

Beam Angle (50%): 21.2°

Field Angle (10%): 28.1°

Cutoff Angle (2.5%): 31.7°

Color

Color Temperature: 6295 K

CRI: 92.4

TLCI: 94

TM30 R_F: 89.6

TM30 R_g: 101.6

Power Details

Efficacy: 18 Lumen/Watt

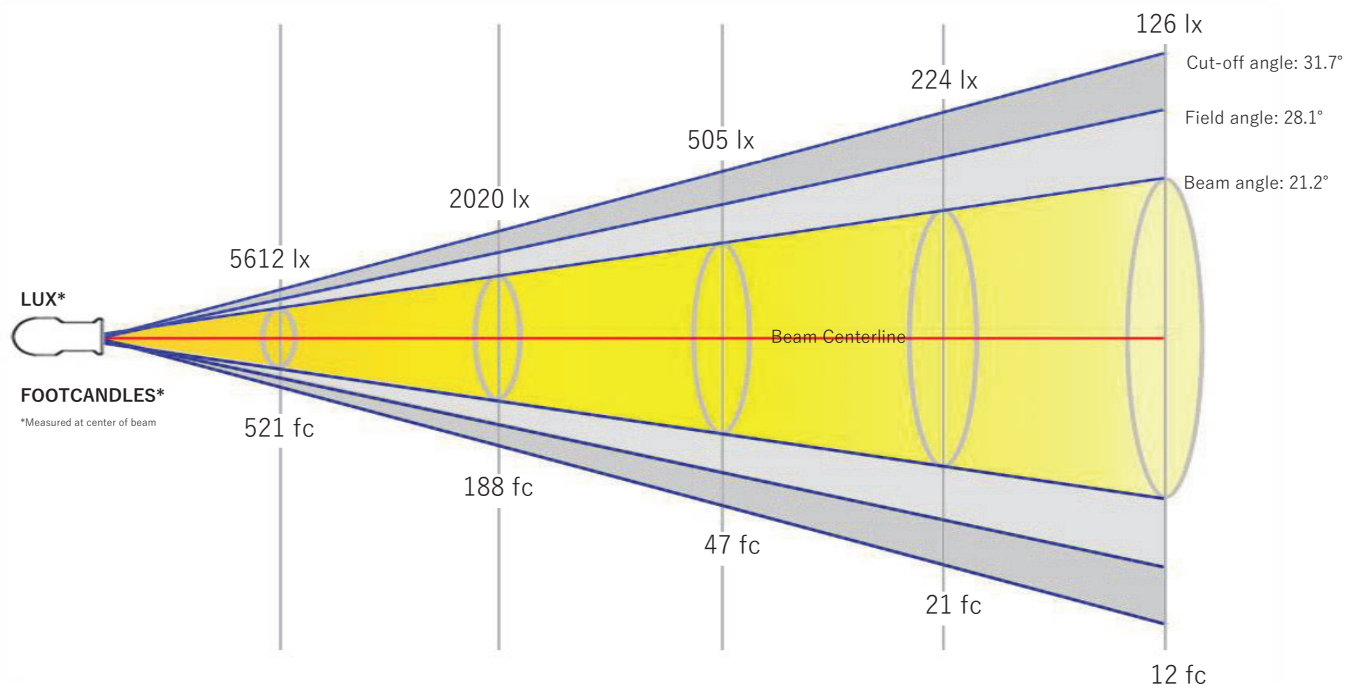
Power: 329.6 W

Supply Voltage: 116 V

Current: 2.84 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.7 m	5.6 m	7.5 m



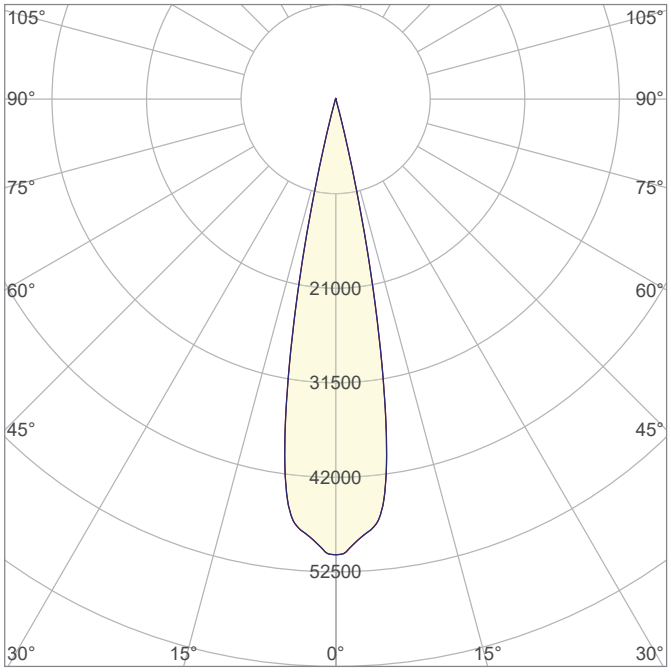
Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	3.7 ft	6.1 ft	12.3 ft	18.4 ft	24.5 ft

Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	50509	12627	5612	3157	2020	1403	1031	789	624	505	417	351	299	258	224	197	175	156	140	126
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	4692.4	1173.1	521.4	293.3	187.7	130.3	95.8	73.3	57.9	46.9	38.8	32.6	27.8	23.9	20.9	18.3	16.2	14.5	13	11.7

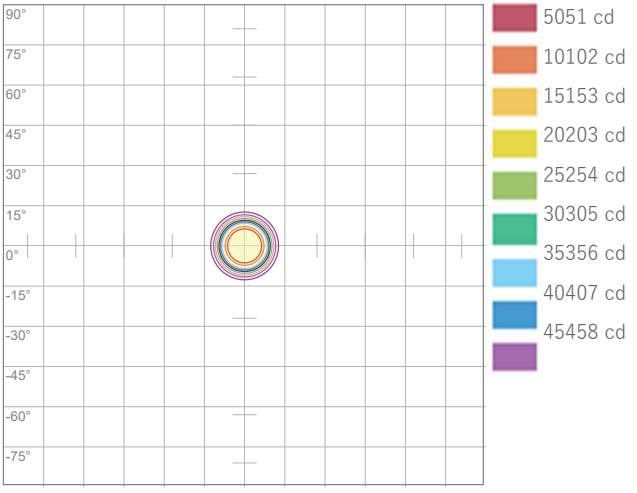
Measurement Date: 4/23/2026

Angular Distribution



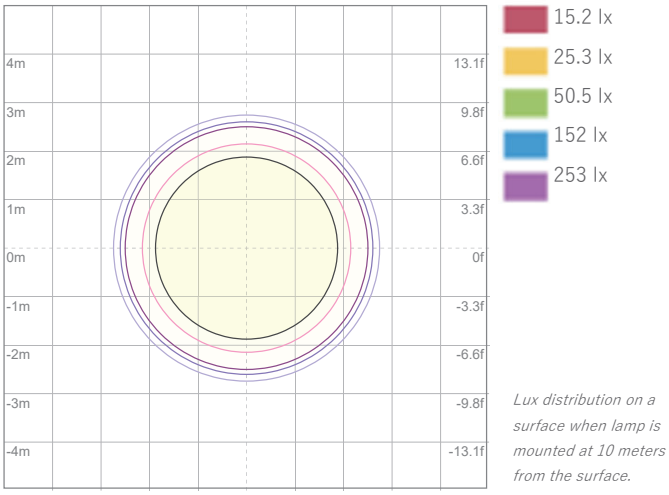
Beam Angle - 50%
21.2°
Field Angle - 10%
28.1°
Cutoff Angle - 2.5%
31.7°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 50509 cd

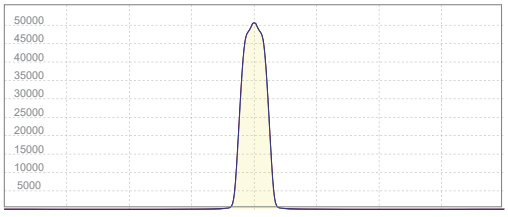


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 505 lx

Linear Distribution



Peak Candela
50509 cd

Calculate Center Beam Intensities

lux = 50509 / distance(m)^2
fc = 50509 / distance(ft)^2

Key Measurements

Output

Total Lumen Output: 6030 lm

Peak Intensity: 52013 cd

Beam

Beam Angle (50%): 21.2°

Field Angle (10%): 28.2°

Cutoff Angle (2.5%): 31.8°

Color

Color Temperature: 7614 K

CRI: 79.9

TLCI: 62

TM30 R_F: 79.3

TM30 R_g: 92.9

Power Details

Efficacy: 19 Lumen/Watt

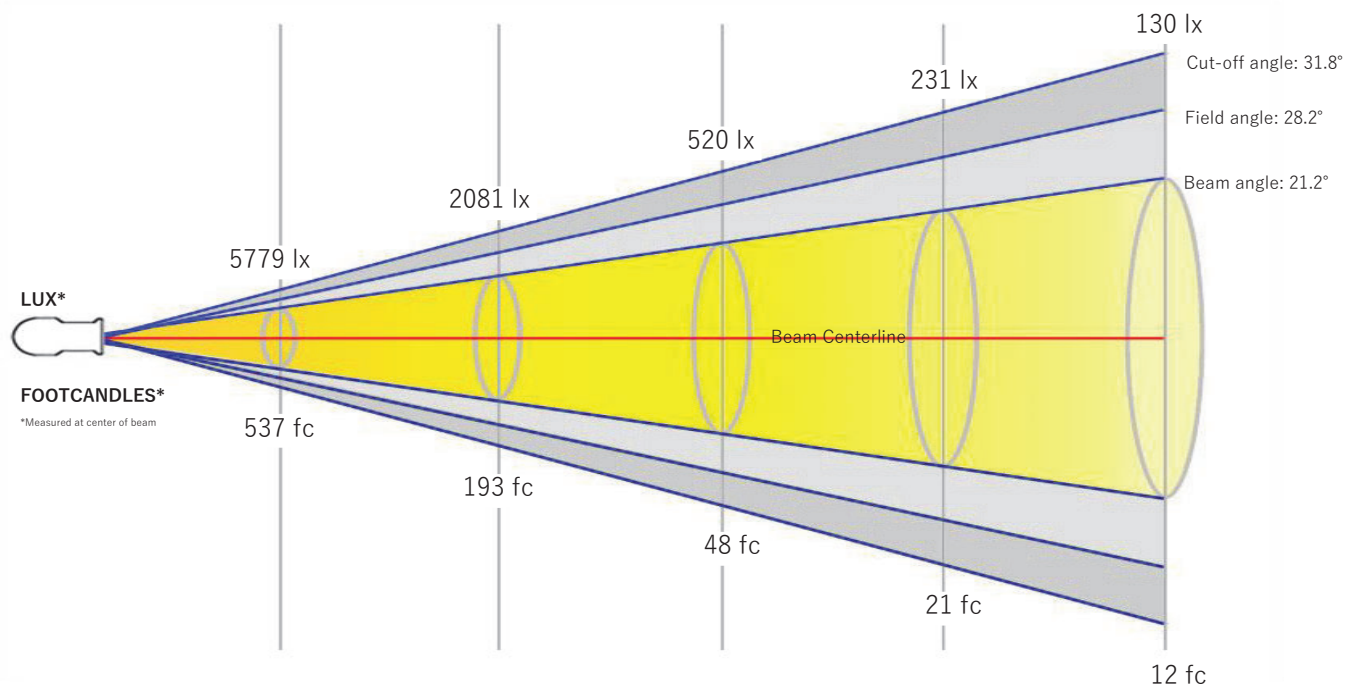
Power: 320.7 W

Supply Voltage: 116 V

Current: 2.76 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.7 m	5.6 m	7.5 m

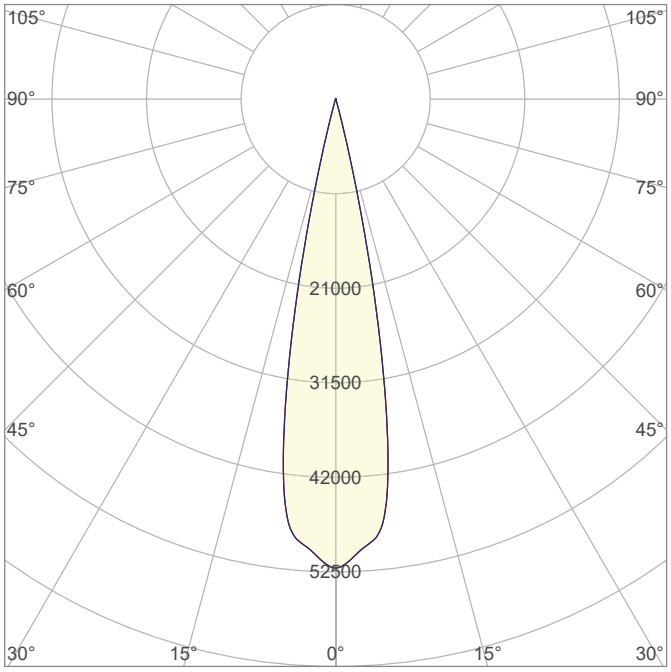


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	3.7 ft	6.1 ft	12.3 ft	18.4 ft	24.5 ft

Beam Intensities from 1-20m

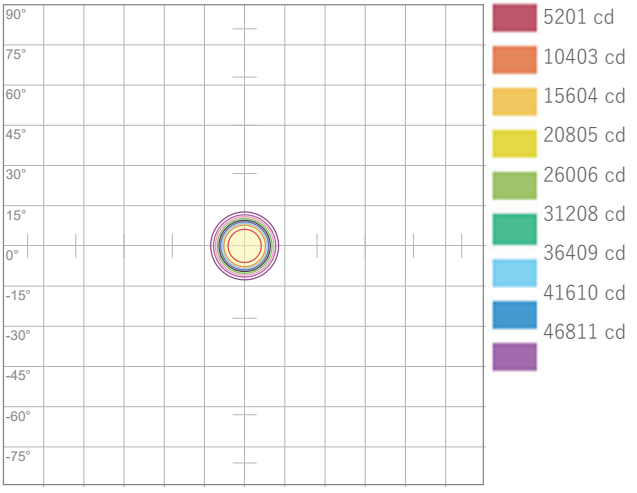
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	52013	13003	5779	3251	2081	1445	1061	813	642	520	430	361	308	265	231	203	180	161	144	130
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	4832.1	1208	536.9	302	193.3	134.2	98.6	75.5	59.7	48.3	39.9	33.6	28.6	24.7	21.5	18.9	16.7	14.9	13.4	12.1

Angular Distribution



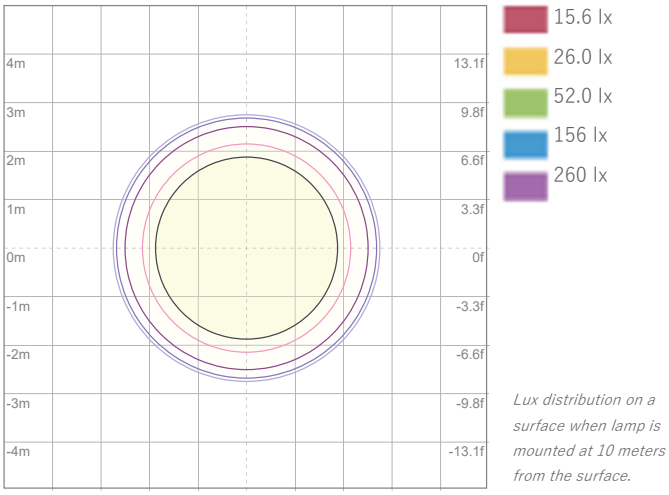
Beam Angle - 50%
21.2°
Field Angle - 10%
28.2°
Cutoff Angle - 2.5%
31.8°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 52013 cd

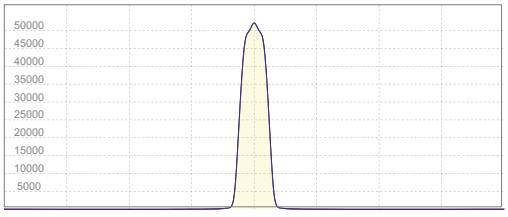


Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 520 lx

Linear Distribution



Peak Candela
52013 cd

Calculate Center Beam Intensities

lux = 52013 / distance(m)^2
fc = 52013 / distance(ft)^2

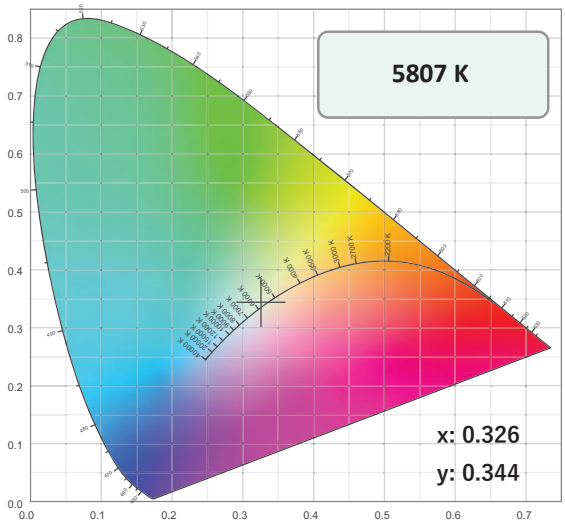
Measurement Date: 4/23/2026

Color Temperature: 5807K

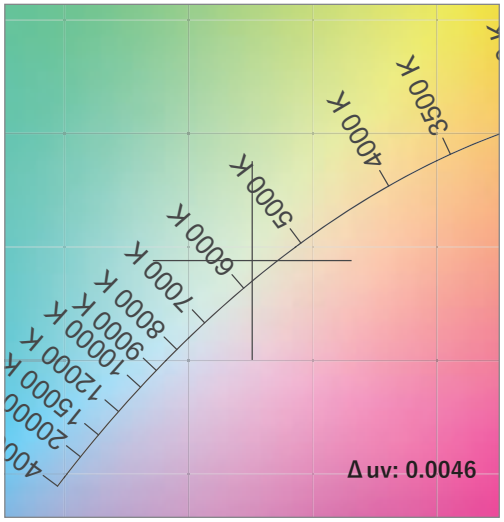
Accuracy Metric Overview

Color Rendering Index	Color Rendering Index, R9 (Red Component)	TM-30 Color Fidelity	TM-30 Color Gamut	Television Lighting Consistency Index	Color Quality Scale	Color Coordinate-CIE 1931	Color Coordinate-CIE 1931	Deviation from Black Body	SSI [CIE A] Tungsten	SSI [CIE D65] Daylight
CRI	CRI R9	TM30 R_f	TM30 R_g	TLCI	CQS	x	Y	Δ uv	SSIt	SSId
92.6	89.0	90.7	102.9	95	92.5	0.326	0.344	0.0046	35	58

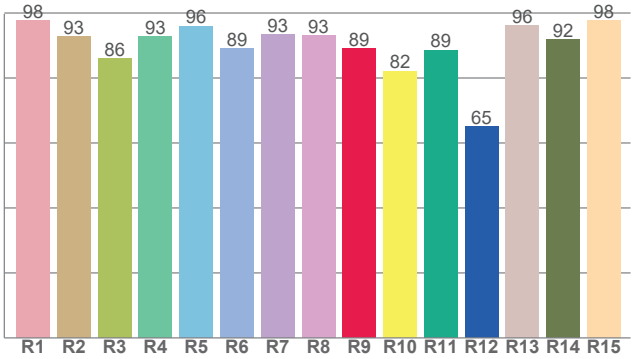
CIE 1931



CIE 1931 ZOOMED

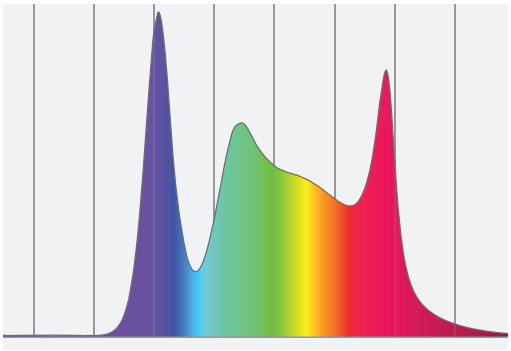


CRI: 92.6 (R1-R8)



Spectral Power Distribution (SPD)

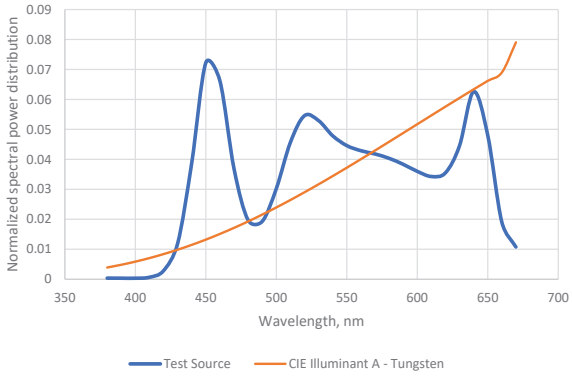
Dominant Wavelength 575 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 35

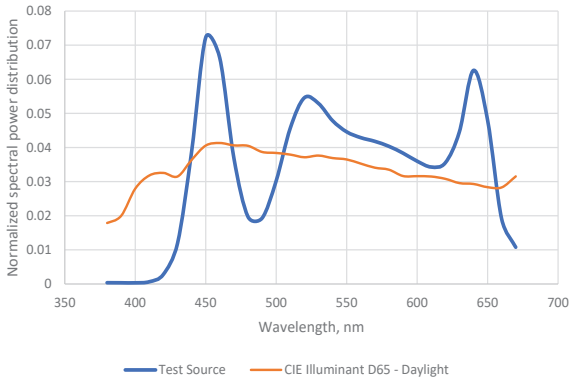
Spectral variance



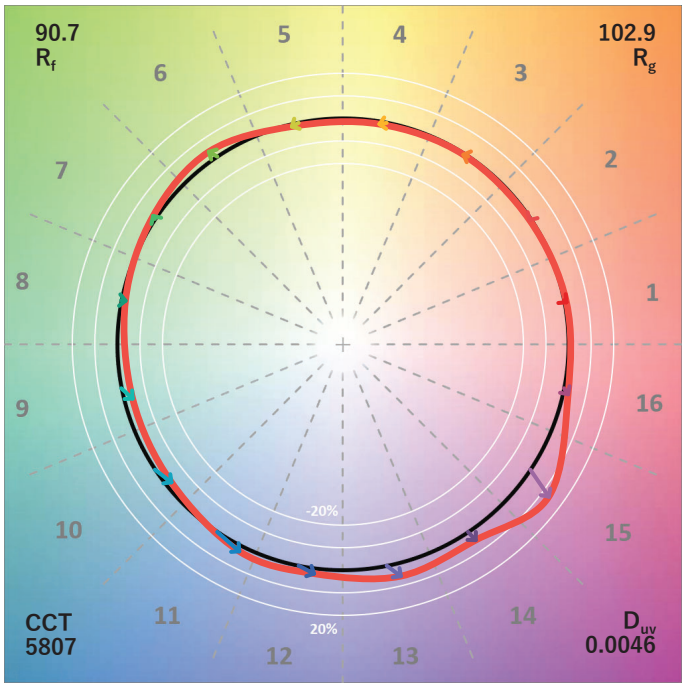
SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 58

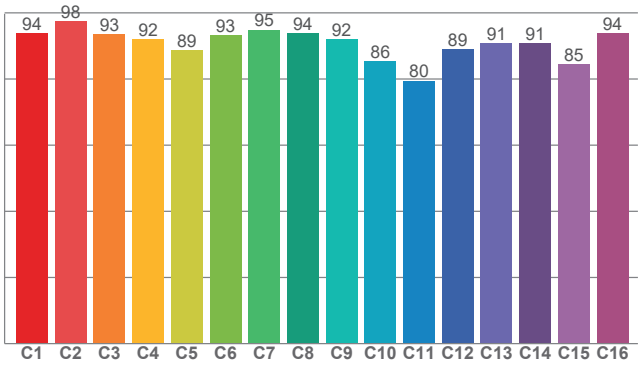
Spectral variance



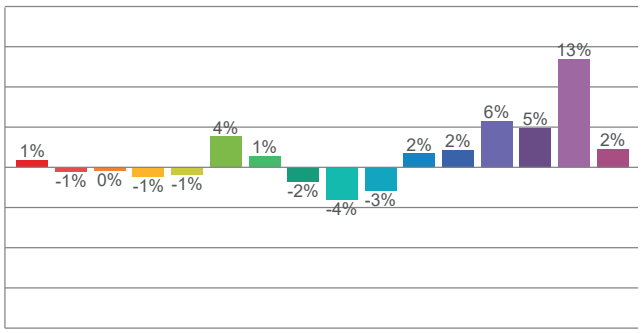
Measurement Date: 4/23/2026



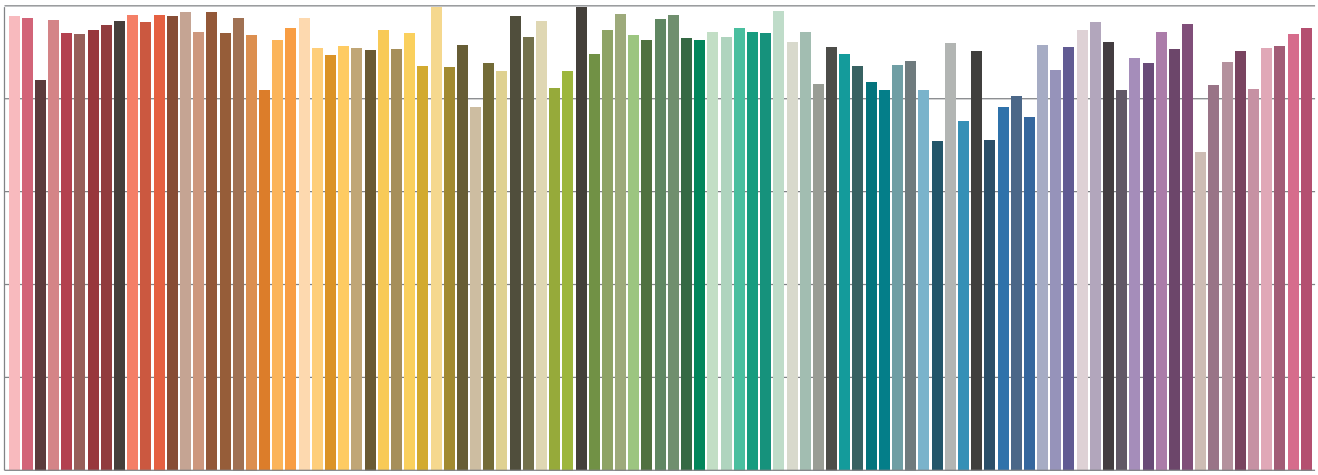
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)



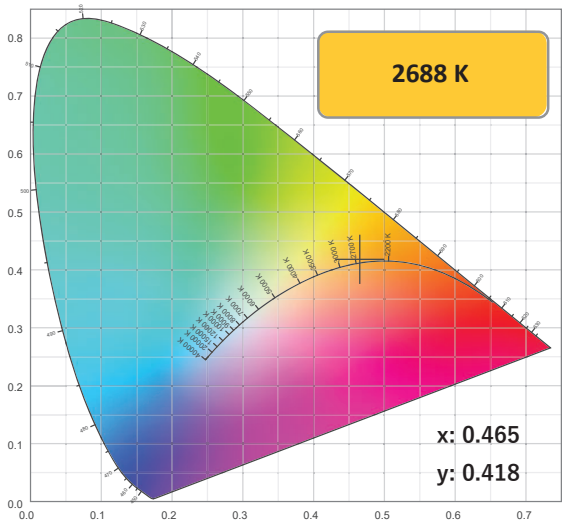
Measurement Date: 4/23/2026

Color Temperature: 2688K

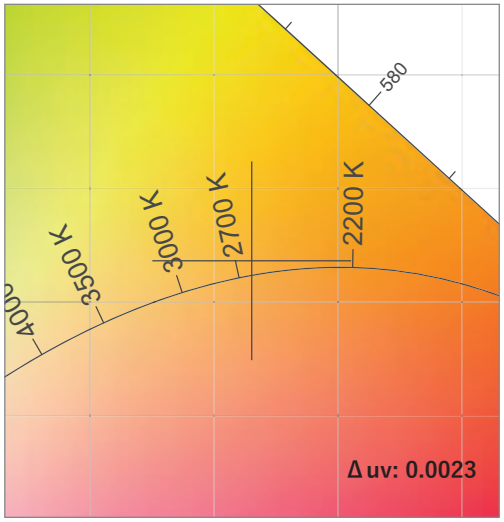
Accuracy Metric Overview

Color Rendering Index	Color Rendering Index, R9 (Red Component)	TM-30 Color Fidelity	TM-30 Color Gamut	Television Lighting Consistency Index	Color Quality Scale	Color Coordinate-CIE 1931	Color Coordinate-CIE 1931	Deviation from Black Body	SSI [CIE A] Tungsten	SSI [CIE D65] Daylight
CRI	CRI R9	TM30 R_f	TM30 R_g	TLCI	CQS	x	Y	Δ uv	SSIt	SSId
90.3	58.7	93.6	104.6	93	91.6	0.465	0.418	0.0023	65	11

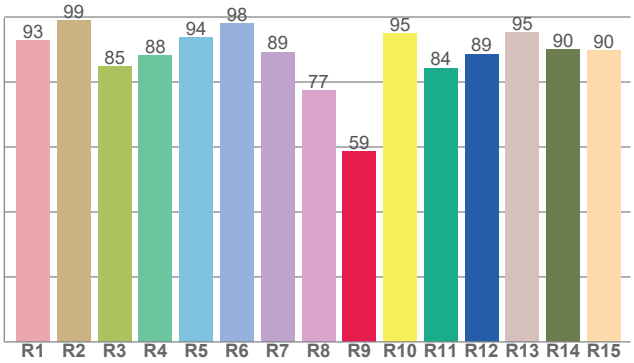
CIE 1931



CIE 1931 ZOOMED

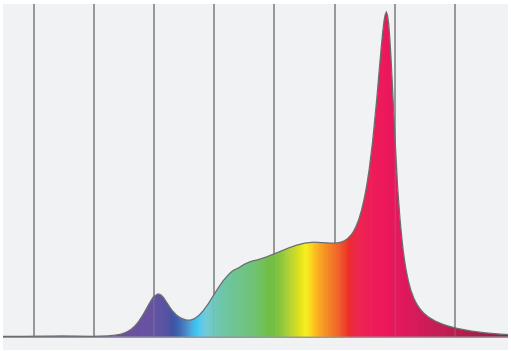


CRI: 90.3 (R1-R8)



Spectral Power Distribution (SPD)

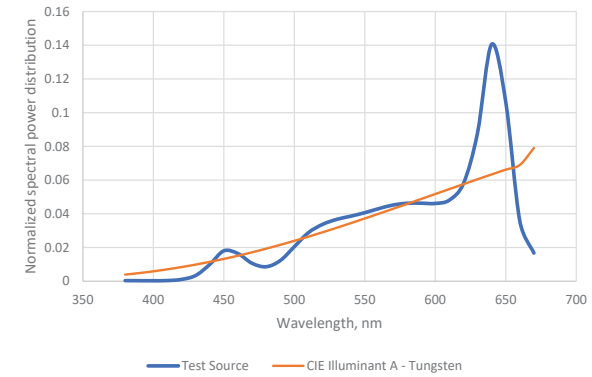
Dominant Wavelength 584 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 65

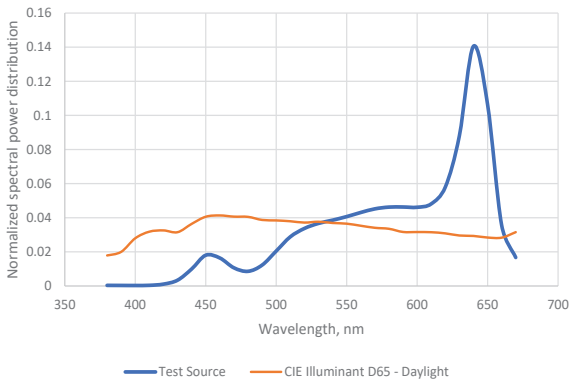
Spectral variance



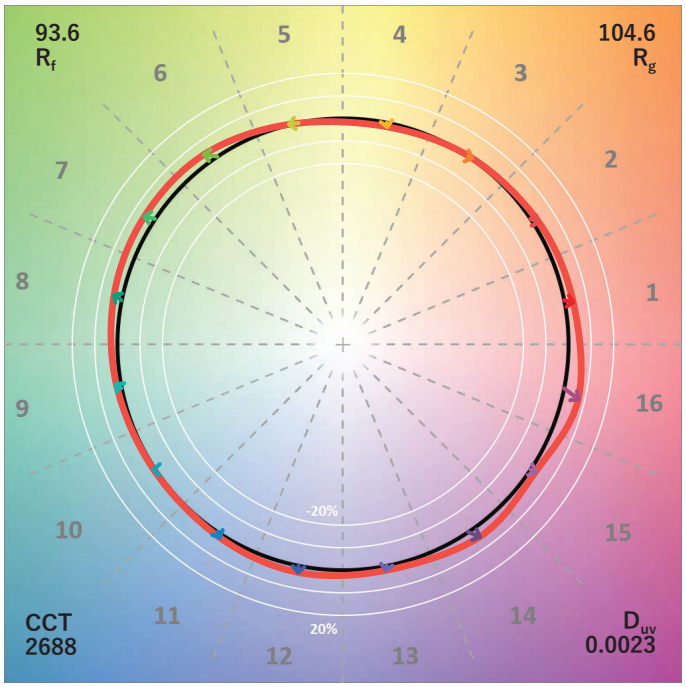
SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 11

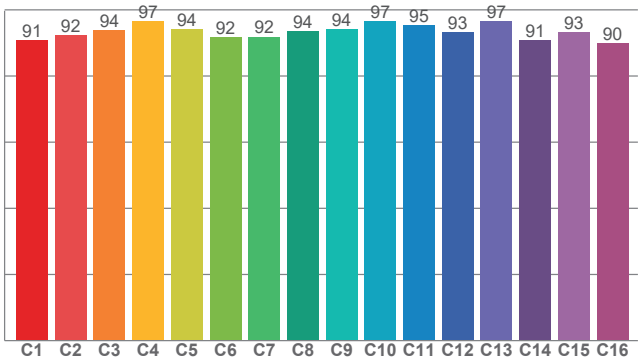
Spectral variance



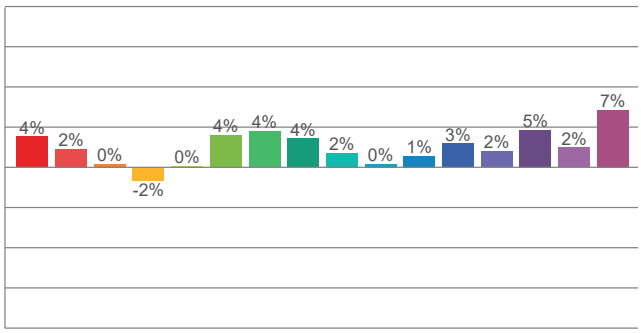
Measurement Date: 4/23/2026



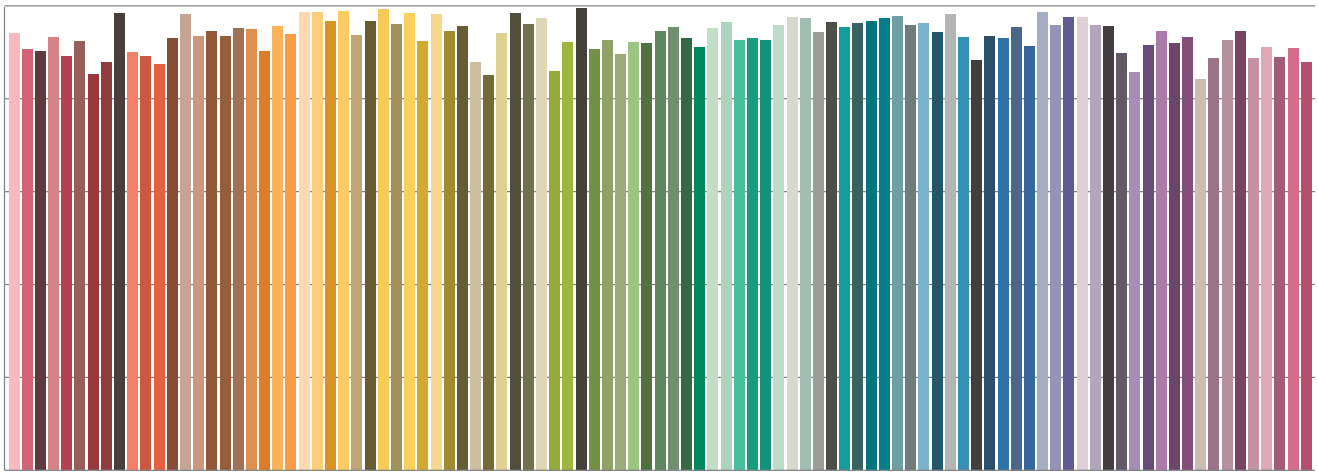
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

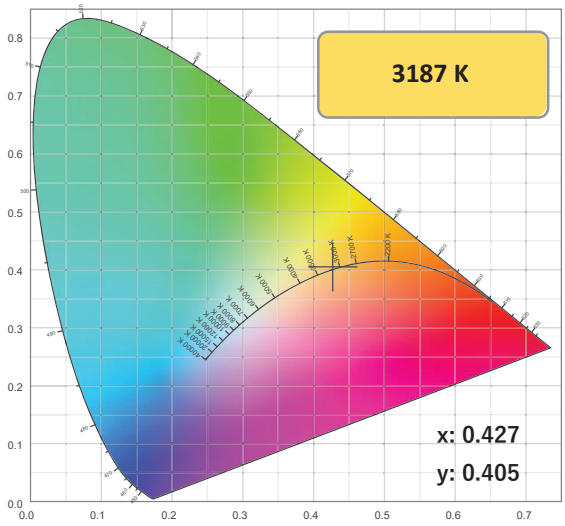


Color Temperature: 3187K

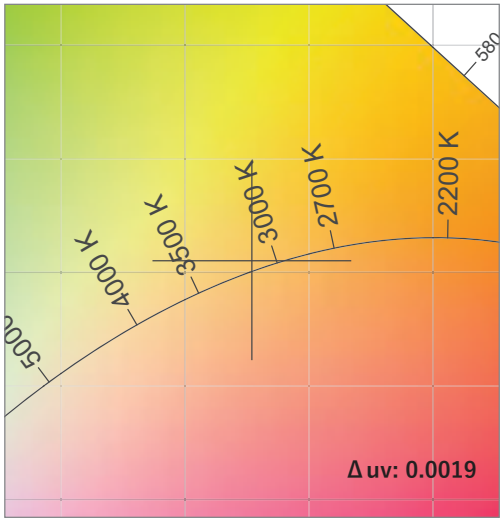
Accuracy Metric Overview

Color Rendering Index	Color Rendering Index, R9 (Red Component)	TM-30 Color Fidelity	TM-30 Color Gamut	Television Lighting Consistency Index	Color Quality Scale	Color Coordinate-CIE 1931	Color Coordinate-CIE 1931	Deviation from Black Body	SSI [CIE A] Tungsten	SSI [CIE D65] Daylight
CRI	CRI R9	TM30 R_f	TM30 R_g	TLCI	CQS	x	Y	Δ uv	SSIt	SSId
91.8	66.0	92.8	104.7	95	93.4	0.427	0.405	0.0019	70	28

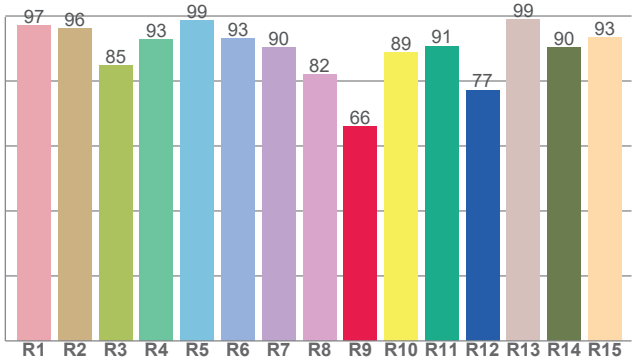
CIE 1931



CIE 1931 ZOOMED

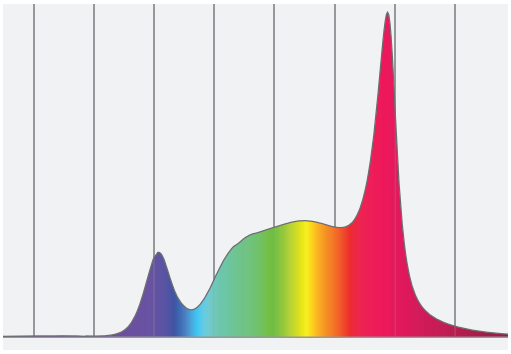


CRI: 91.8 (R1-R8)



Spectral Power Distribution (SPD)

Dominant Wavelength 582 nm



SSI Spectral Variance Graph- Tungsten

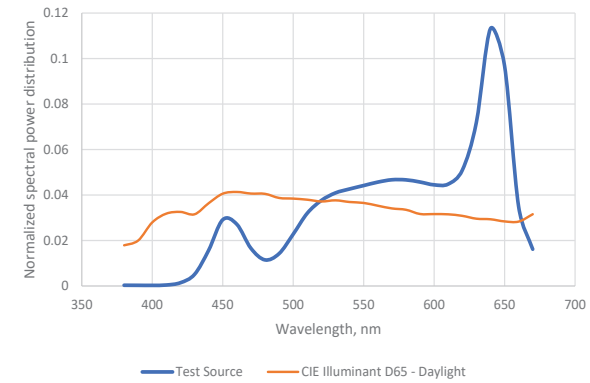
SSI [CIE A] 70

Spectral variance

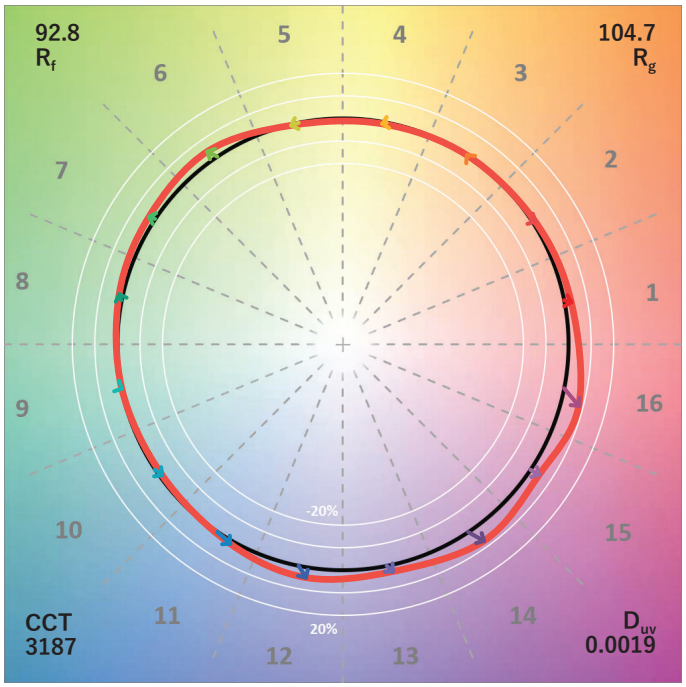
SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 28

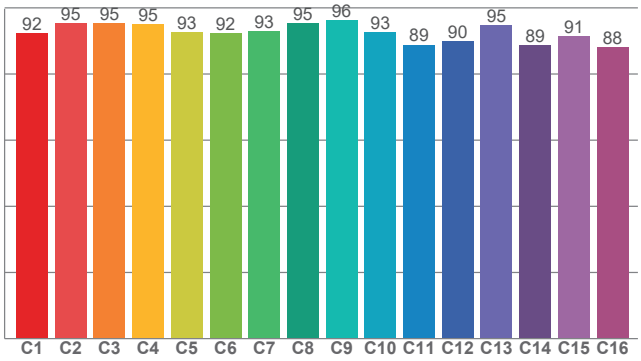
Spectral variance



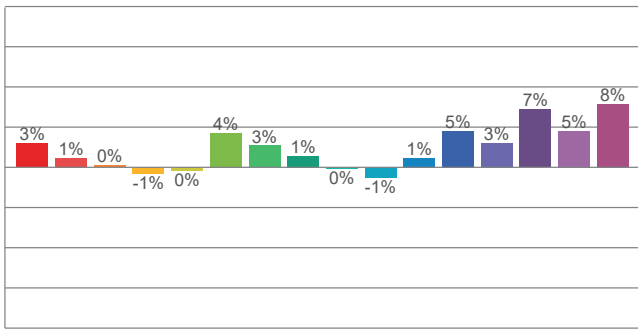
Measurement Date: 4/23/2026



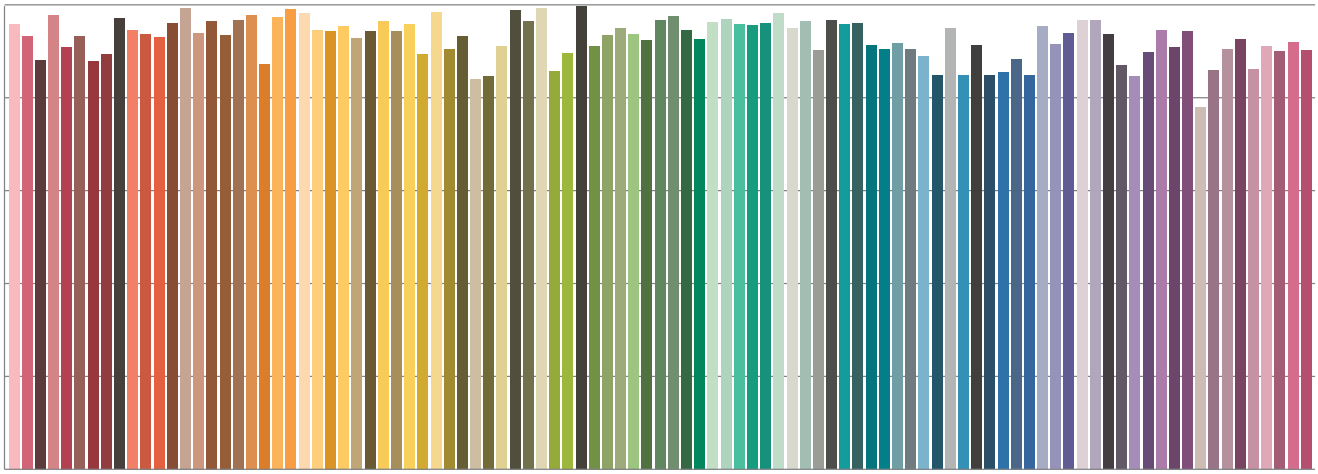
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

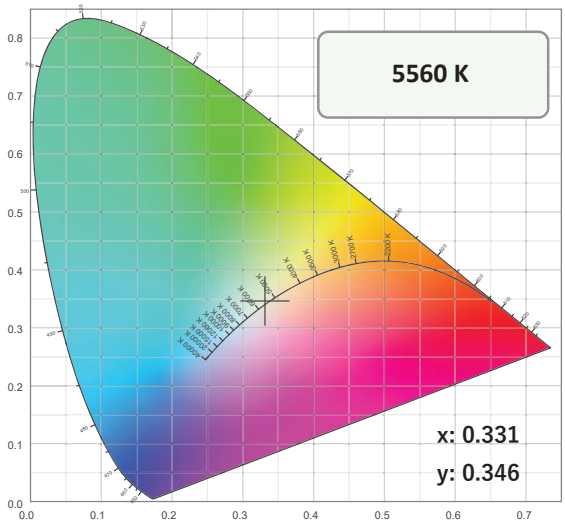


Color Temperature: 5560K

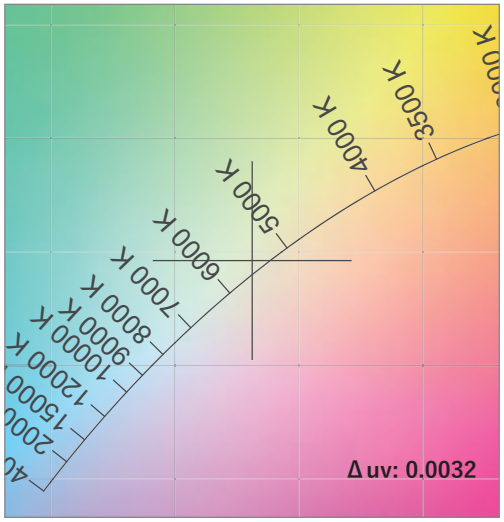
Accuracy Metric Overview

Color Rendering Index	Color Rendering Index, R9 (Red Component)	TM-30 Color Fidelity	TM-30 Color Gamut	Television Lighting Consistency Index	Color Quality Scale	Color Coordinate-CIE 1931	Color Coordinate-CIE 1931	Deviation from Black Body	SSI [CIE A] Tungsten	SSI [CIE D65] Daylight
CRI	CRI R9	TM30 R_f	TM30 R_g	TLCI	CQS	x	Y	Δ uv	SSIt	SSId
92.4	74.5	90.8	104.3	95	92.9	0.331	0.346	0.0032	38	56

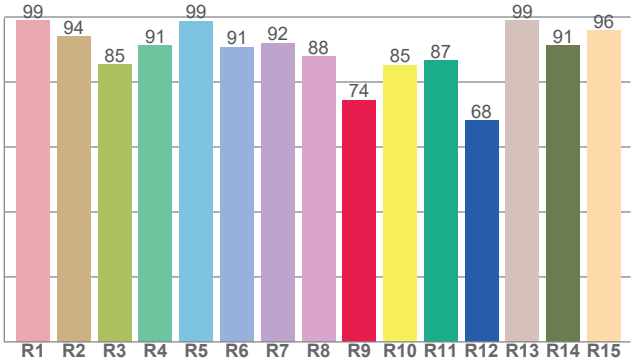
CIE 1931



CIE 1931 ZOOMED

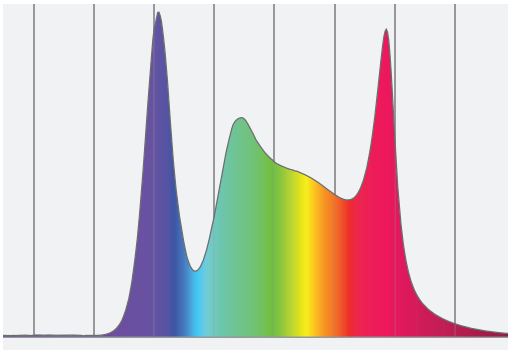


CRI: 92.4 (R1-R8)



Spectral Power Distribution (SPD)

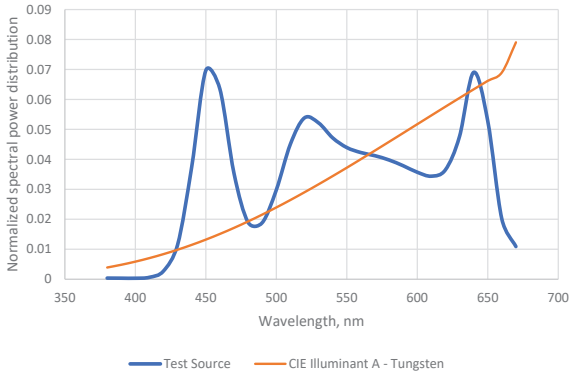
Dominant Wavelength 578 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 38

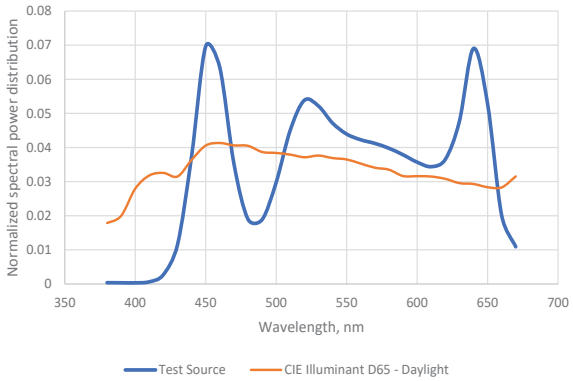
Spectral variance



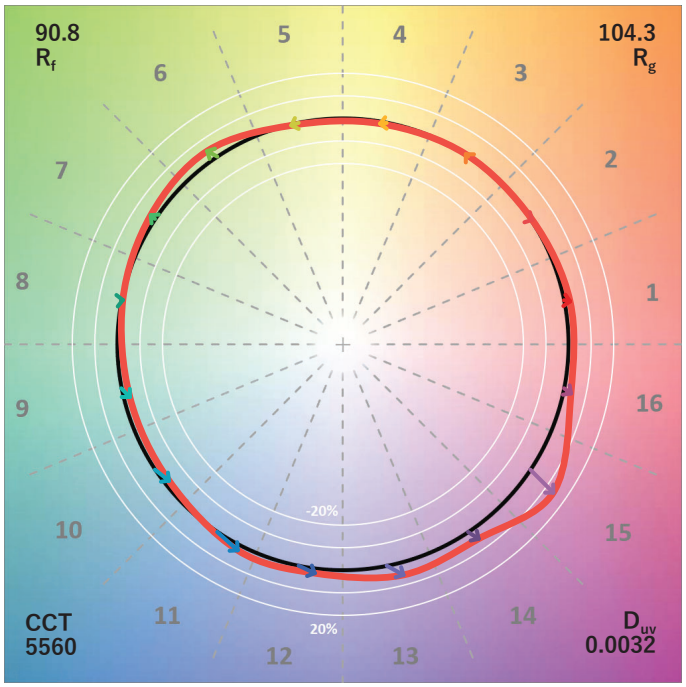
SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 56

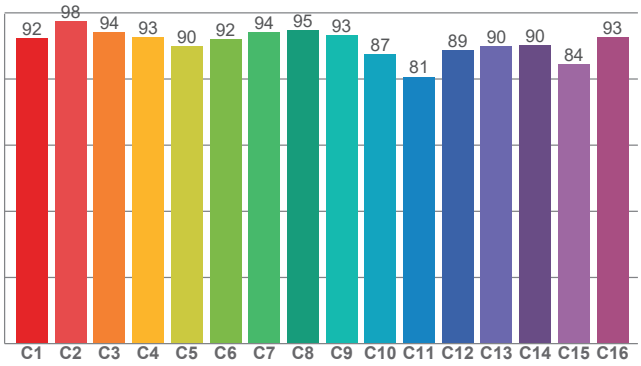
Spectral variance



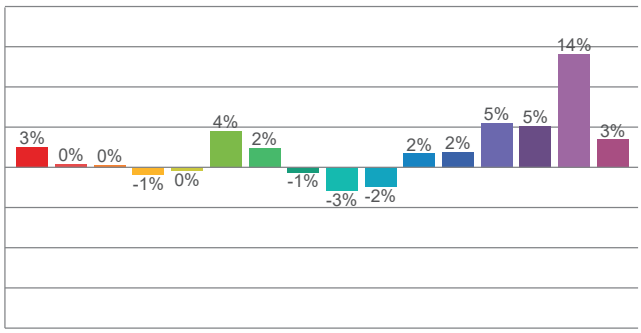
Measurement Date: 4/23/2026



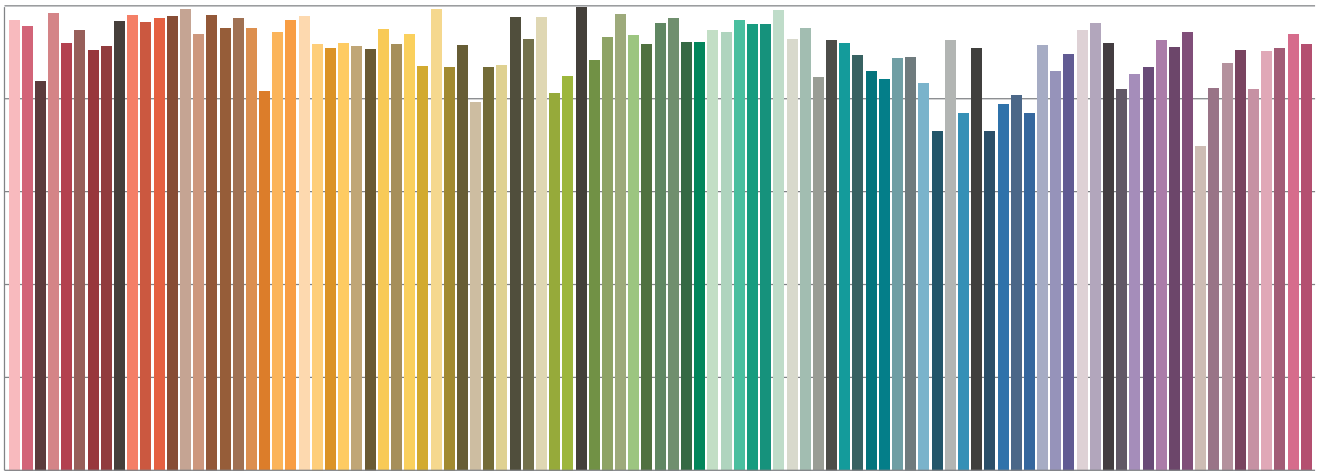
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

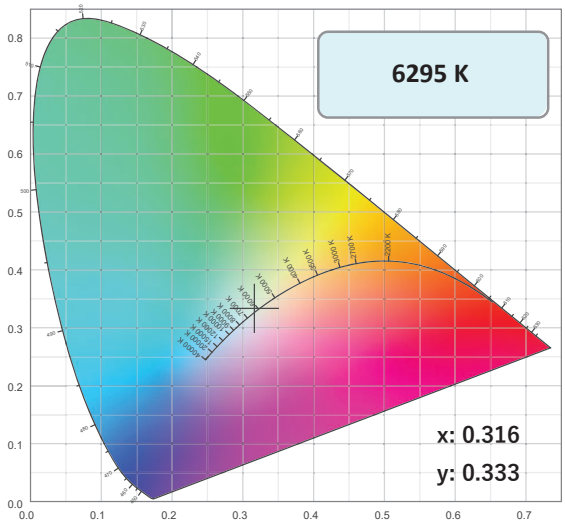


Color Temperature: 6295K

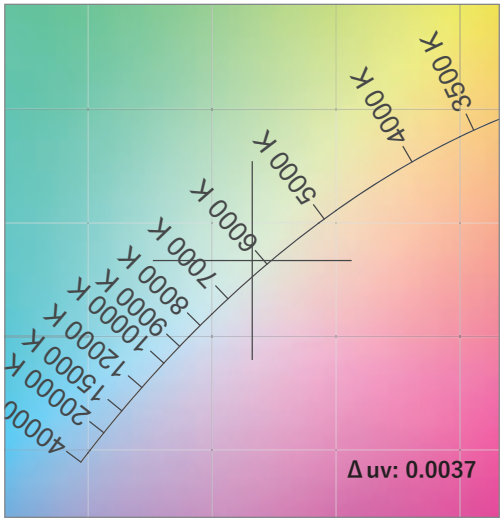
Accuracy Metric Overview

Color Rendering Index	Color Rendering Index, R9 (Red Component)	TM-30 Color Fidelity	TM-30 Color Gamut	Television Lighting Consistency Index	Color Quality Scale	Color Coordinate-CIE 1931	Color Coordinate-CIE 1931	Deviation from Black Body	SSI [CIE A] Tungsten	SSI [CIE D65] Daylight
CRI	CRI R9	TM30 R_f	TM30 R_g	TLCI	CQS	x	Y	Δ uv	SSIt	SSId
92.4	95.5	89.6	101.6	94	90.9	0.316	0.333	0.0037	28	59

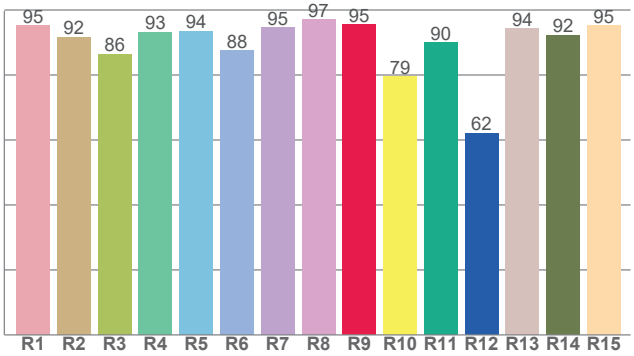
CIE 1931



CIE 1931 ZOOMED

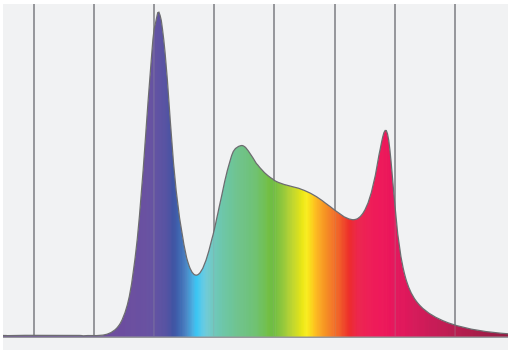


CRI: 92.4 (R1-R8)



Spectral Power Distribution (SPD)

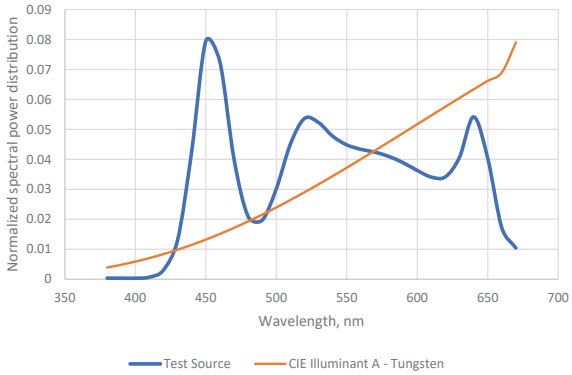
Dominant Wavelength 574 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 28

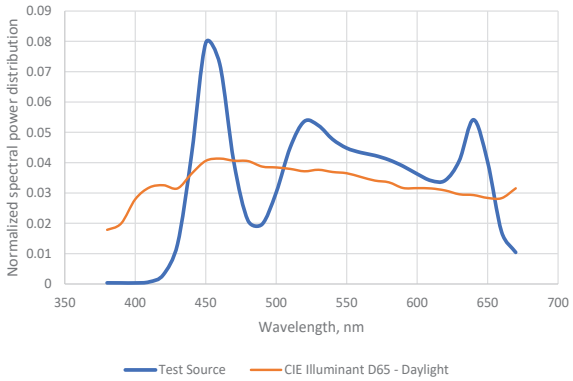
Spectral variance



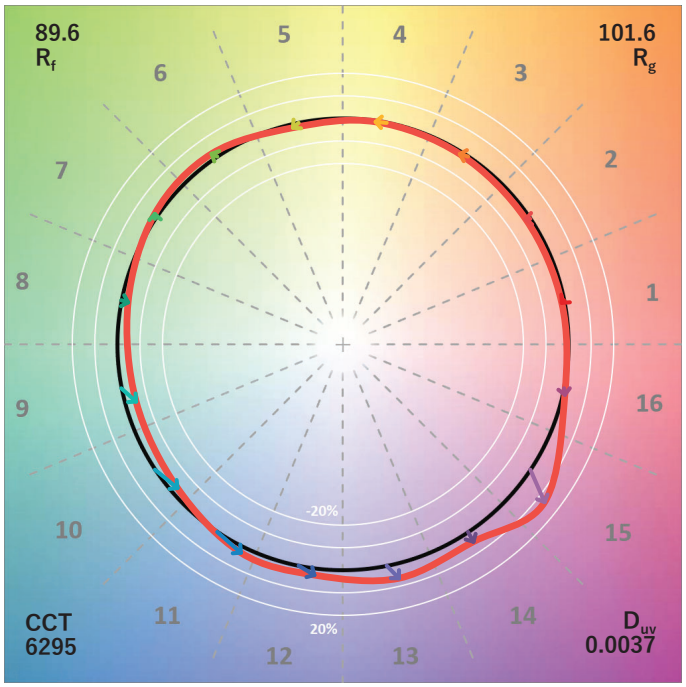
SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 59

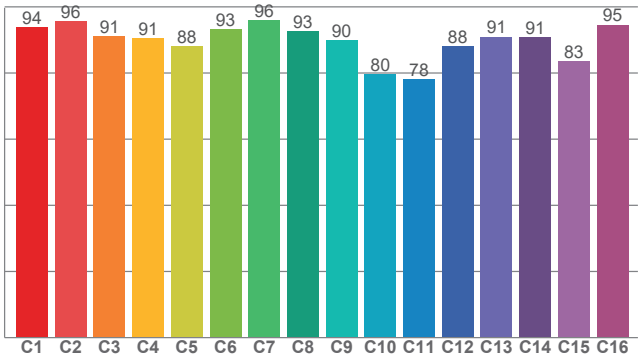
Spectral variance



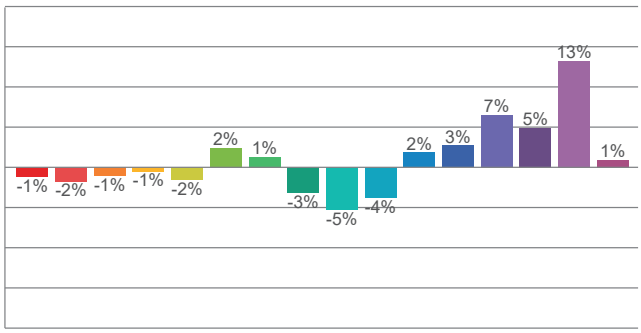
Measurement Date: 4/23/2026



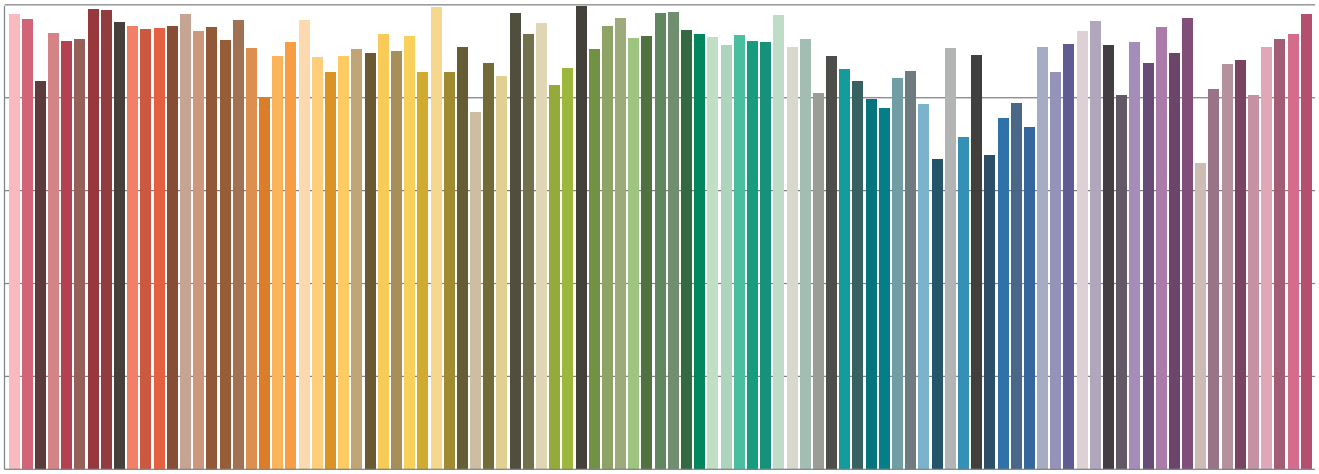
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

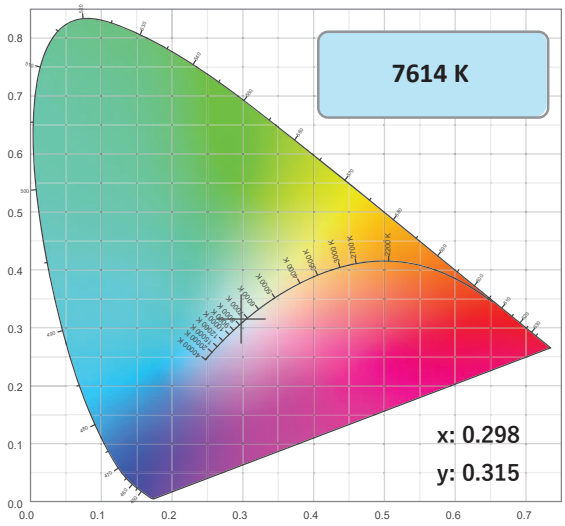


Color Temperature: 7614K

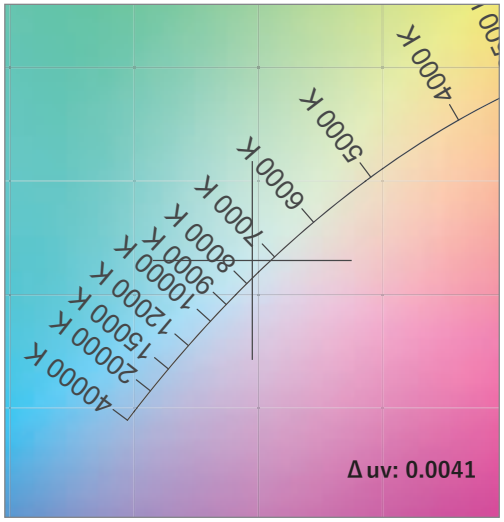
Accuracy Metric Overview

Color Rendering Index	Color Rendering Index, R9 (Red Component)	TM-30 Color Fidelity	TM-30 Color Gamut	Television Lighting Consistency Index	Color Quality Scale	Color Coordinate-CIE 1931	Color Coordinate-CIE 1931	Deviation from Black Body	SSI [CIE A] Tungsten	SSI [CIE D65] Daylight
CRI	CRI R9	TM30 R_f	TM30 R_g	TLCI	CQS	x	Y	Δ uv	SSIt	SSId
79.9	-5.9	79.3	92.9	62	76.5	0.298	0.315	0.0041	9	53

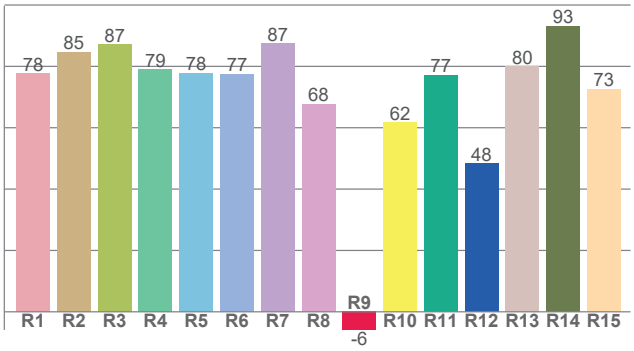
CIE 1931



CIE 1931 ZOOMED

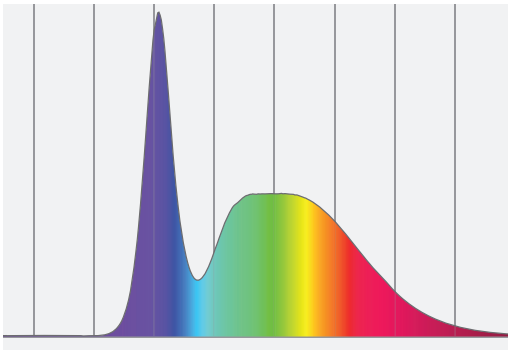


CRI: 79.9 (R1-R8)



Spectral Power Distribution (SPD)

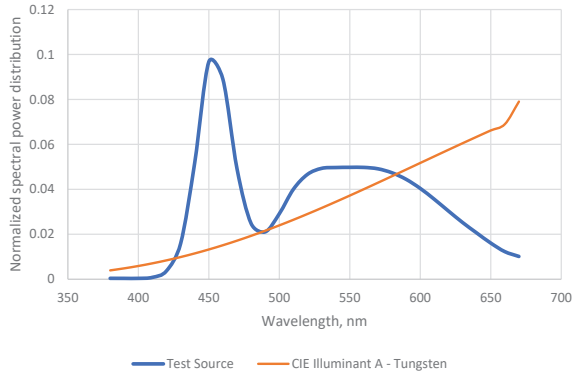
Dominant Wavelength 479 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 9

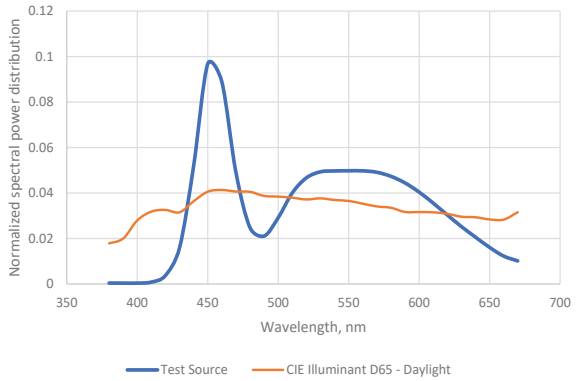
Spectral variance



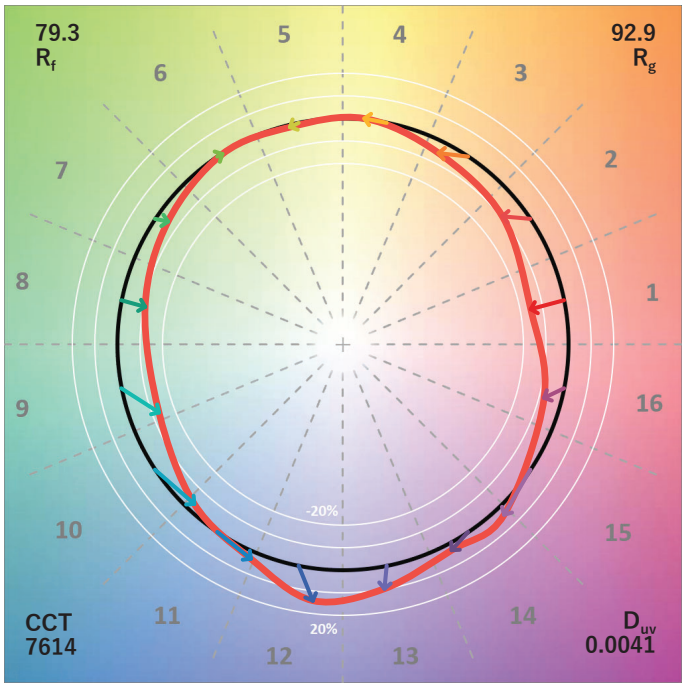
SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 53

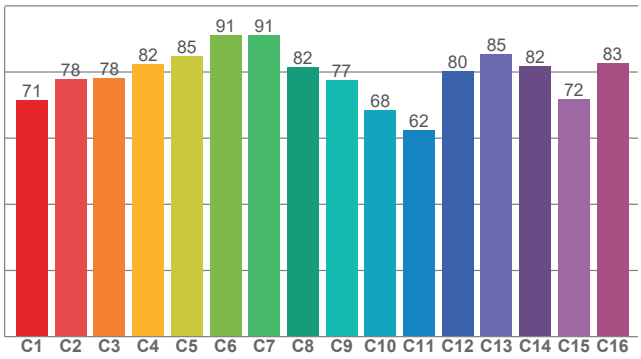
Spectral variance



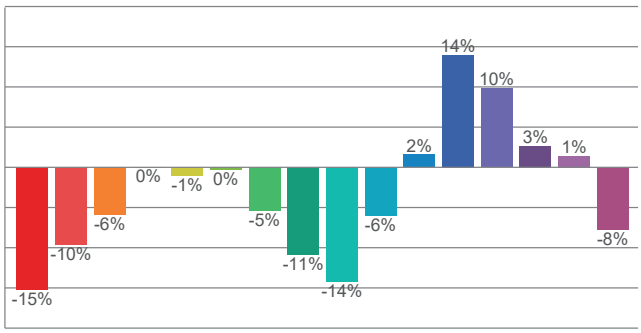
Measurement Date: 4/23/2026



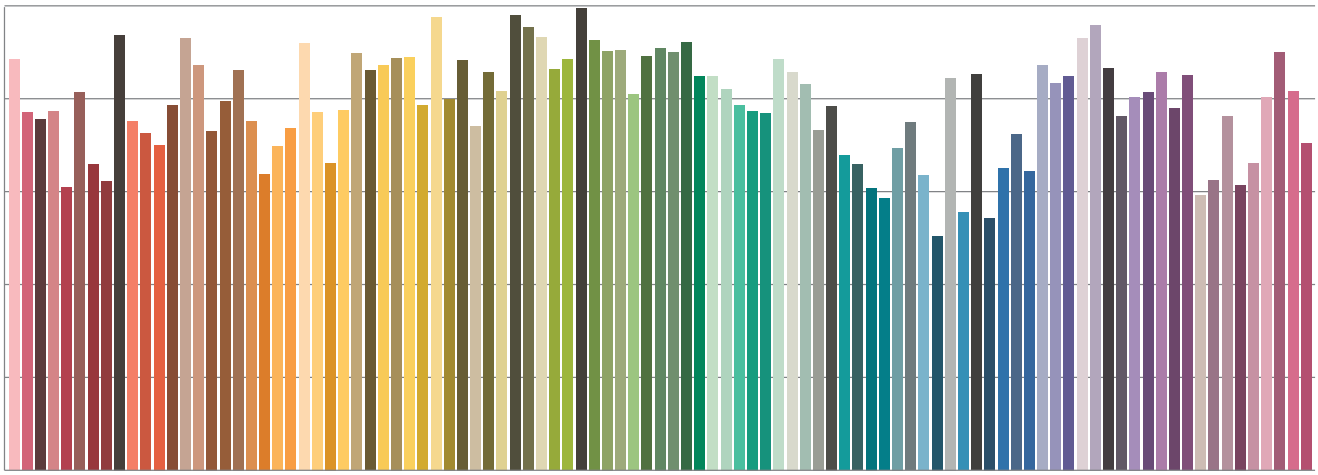
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)



Fuze Wash 250

Red

Measurements

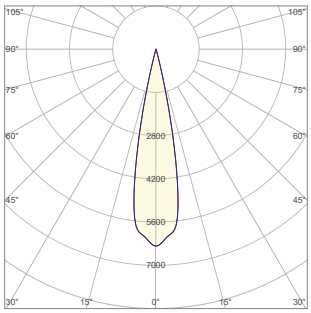
Total Lumen Output: 717 lm

Peak Intensity: 6364 cd

Efficacy: 9 Lumen/Watt

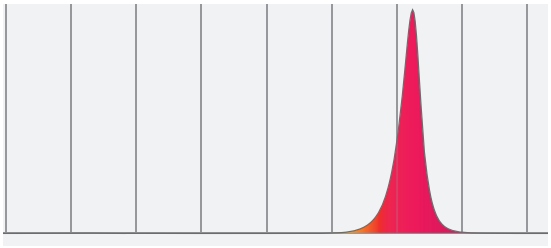
Power: 77.6 W

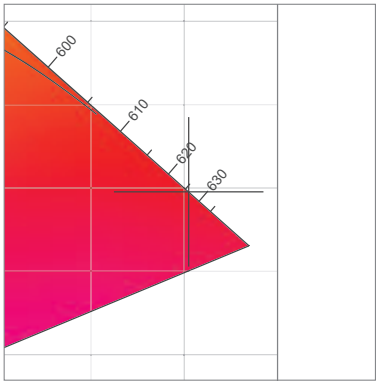
Voltage: 118 V, Current: 0.657 A



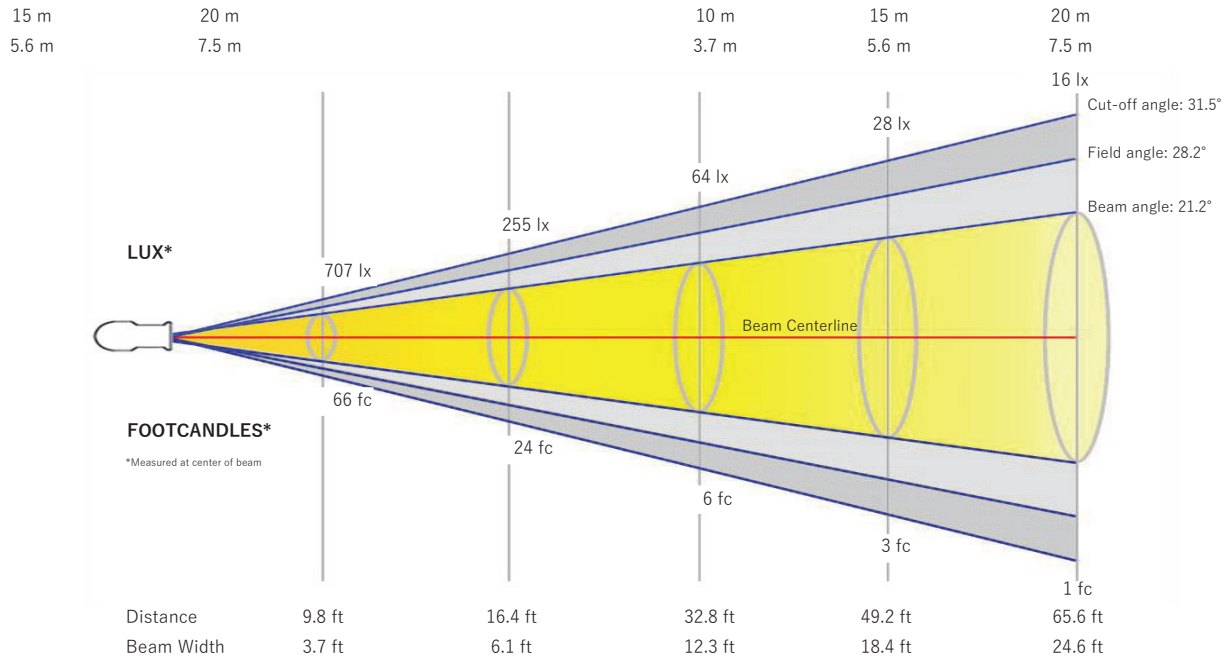
Spectral Power Distribution

Dominant Wavelength 626 nm





Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
626	0.702	0.298	0.544	0.346



Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
LX	6364	1591	707	398	255	177	130	99	79	64	53	44	38	32	28	25	22	20	18	16
FC	591.3	147.8	65.7	37	23.7	16.4	12.1	9.2	7.3	5.9	4.9	4.1	3.5	3	2.6	2.3	2	1.8	1.6	1.5

Measurement Date: 4/23/2026

Fuze Wash 250

Green

Measurements

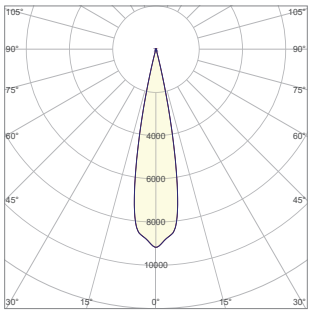
Total Lumen Output: 1032 lm

Peak Intensity: 9148 cd

Efficacy: 13 Lumen/Watt

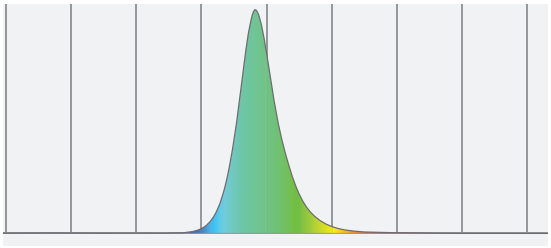
Power: 77.6 W

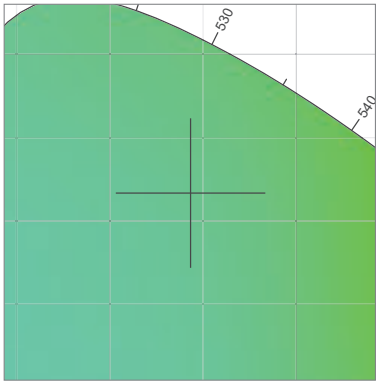
Voltage: 118 V, Current: 0.657 A



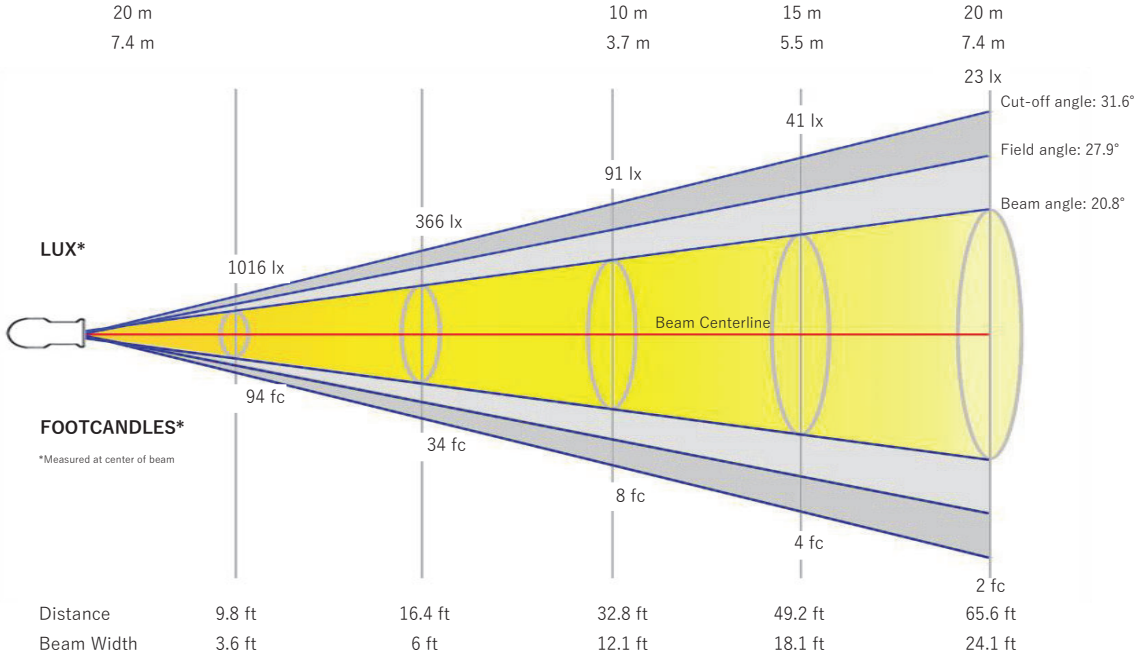
Spectral Power Distribution

Dominant Wavelength 522 nm





Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
522	0.143	0.717	0.051	0.380



Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
LX	9148	2287	1016	572	366	254	187	143	113	91	76	64	54	47	41	36	32	28	25	23
FC	849.9	212.5	94.4	53.1	34	23.6	17.3	13.3	10.5	8.5	7	5.9	5	4.3	3.8	3.3	2.9	2.6	2.4	2.1

Measurement Date: 4/23/2026

Fuze Wash 250

Blue

Measurements

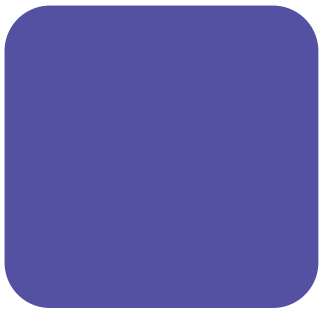
Total Lumen Output: 302 lm

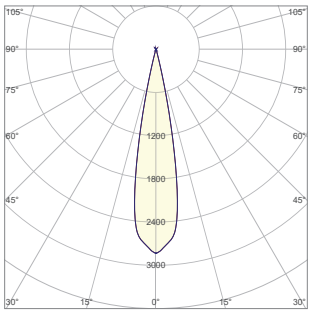
Peak Intensity: 2829 cd

Efficacy: 3 Lumen/Watt

Power: 108.9 W

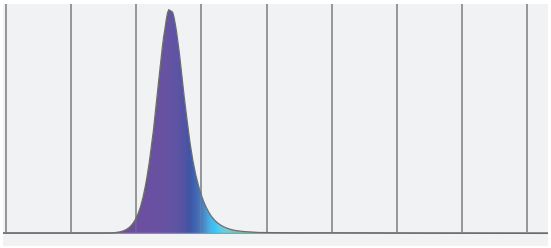
Voltage: 118 V, Current: 0.923 A

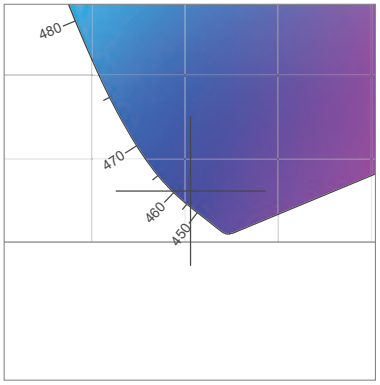




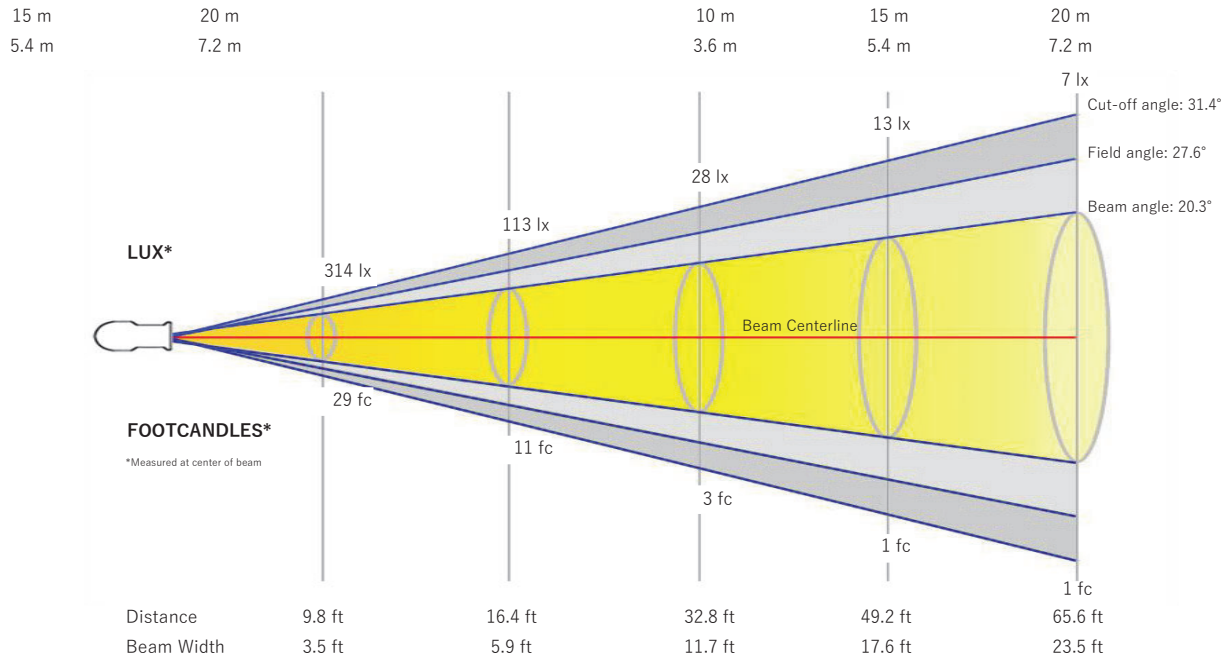
Spectral Power Distribution

Dominant Wavelength 456 nm





Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
456	0.153	0.031	0.200	0.060



Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
LX	2829	707	314	177	113	79	58	44	35	28	23	20	17	14	13	11	10	9	8	7
FC	262.8	65.7	29.2	16.4	10.5	7.3	5.4	4.1	3.2	2.6	2.2	1.8	1.6	1.3	1.2	1	0.9	0.8	0.7	0.7

Measurement Date: 4/23/2026

Fuze Wash 250

Mint

Measurements

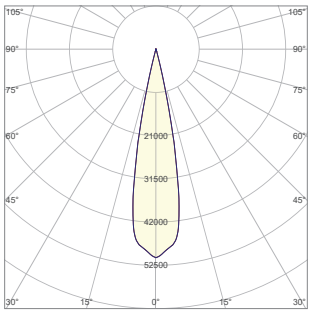
Total Lumen Output: 5841 lm

Peak Intensity: 50594 cd

Efficacy: 28 Lumen/Watt

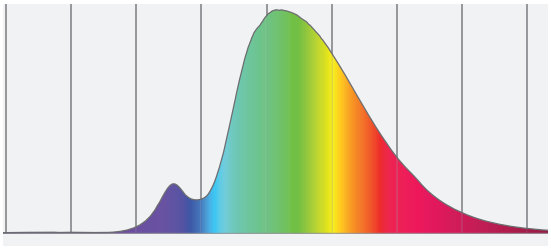
Power: 210 W

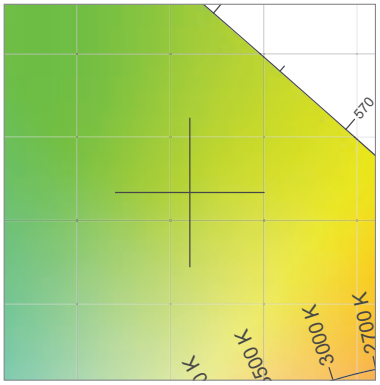
Voltage: 118 V, Current: 1.78 A



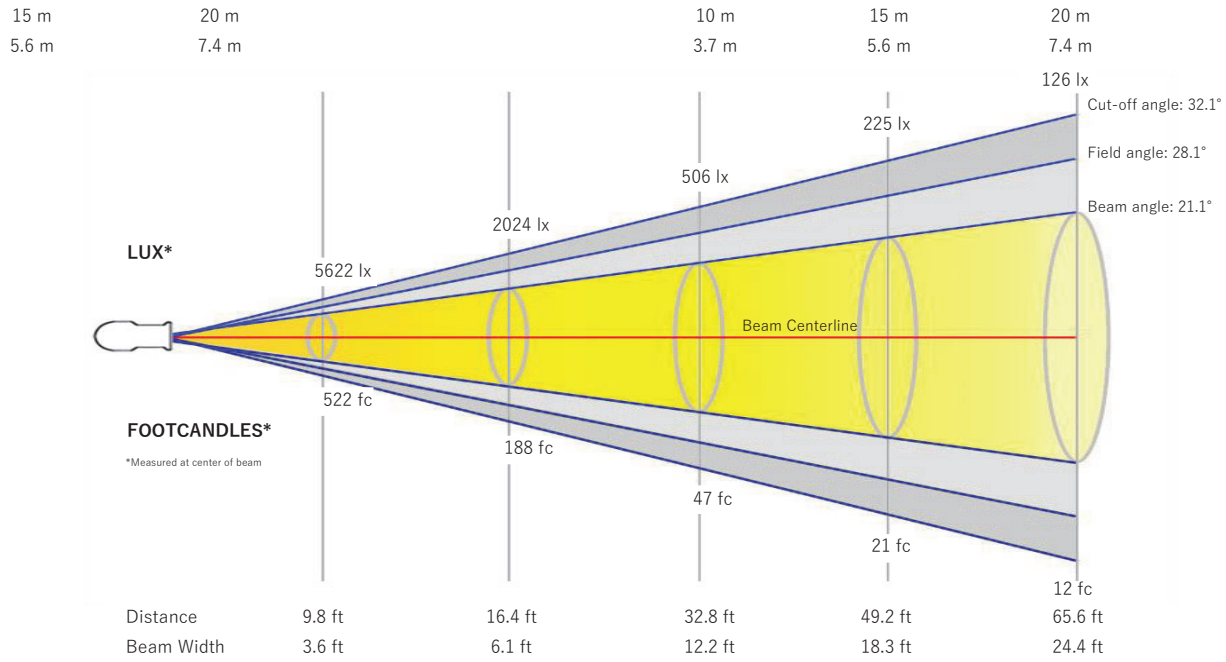
Spectral Power Distribution

Dominant Wavelength 562 nm





Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
562	0.360	0.517	0.170	0.366



Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
LX	50594	12649	5622	3162	2024	1405	1033	791	625	506	418	351	299	258	225	198	175	156	140	126
FC	4700.4	1175.1	522.3	293.8	188	130.6	95.9	73.4	58	47	38.8	32.6	27.8	24	20.9	18.4	16.3	14.5	13	11.8

Measurement Date: 4/23/2026

Fuze Wash 250

Amber

Measurements

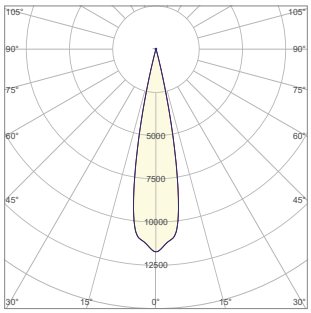
Total Lumen Output: 1342 lm

Peak Intensity: 11694 cd

Efficacy: 11 Lumen/Watt

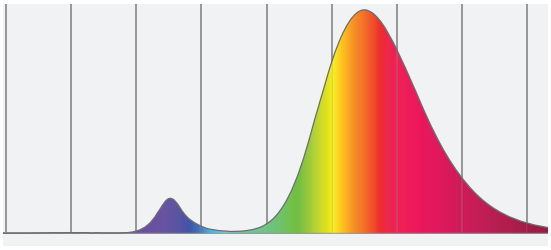
Power: 119.3 W

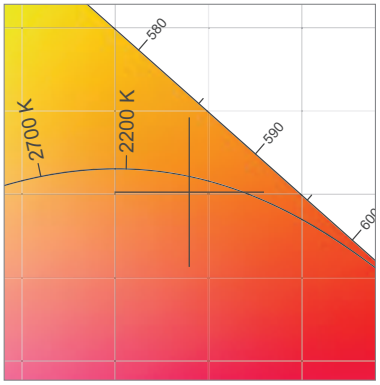
Voltage: 117 V, Current: 1.02 A



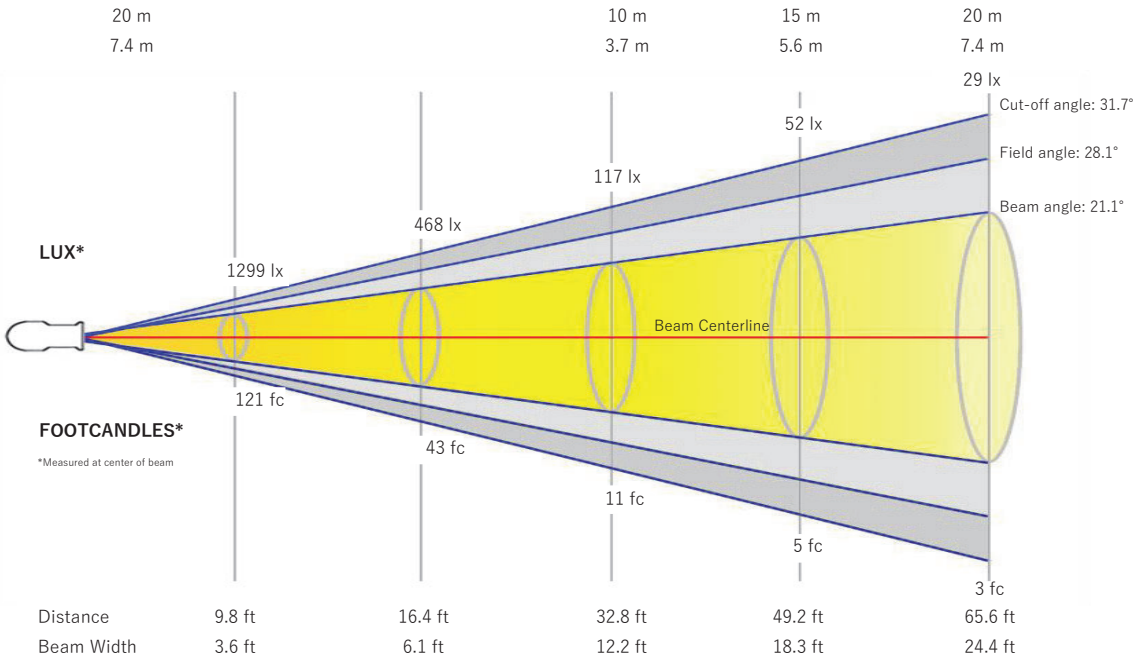
Spectral Power Distribution

Dominant Wavelength 592 nm





Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
592	0.540	0.401	0.320	0.357



Beam Intensities from 1-20m

M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
LX	11694	2923	1299	731	468	325	239	183	144	117	97	81	69	60	52	46	40	36	32	29
FC	1086.4	271.6	120.7	67.9	43.5	30.2	22.2	17	13.4	10.9	9	7.5	6.4	5.5	4.8	4.2	3.8	3.4	3	2.7

Measurement Date: 4/23/2026