

ELATION[®]

FUZE WASH 500

Photometric &
Chromaticity Test Reports



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Elation Professional USA | 6122 S. Eastern Ave. | Los Angeles, CA. 90040

323-582-3322 | 323-832-9142 fax | www.elationlighting.com | info@elationlighting.com

Elation Professional B.V. | Junostraat 2 | 6468 EW Kerkrade, The Netherlands

+31 45 546 85 66 | +31 45 546 85 96 fax | www.elationlighting.eu | info@elationlighting.eu

Elation Professional Mexico | AV Santa Ana 30 | Parque Industrial Lerma, Lerma, Mexico 52000

+52 (728) 282-7070

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: 16289 lm
Peak Intensity: 23941 cd

Beam

Beam Angle (50%): 53.7°
Field Angle (10%): 63.6°
Cutoff Angle (2.5%): 85.9°

Color

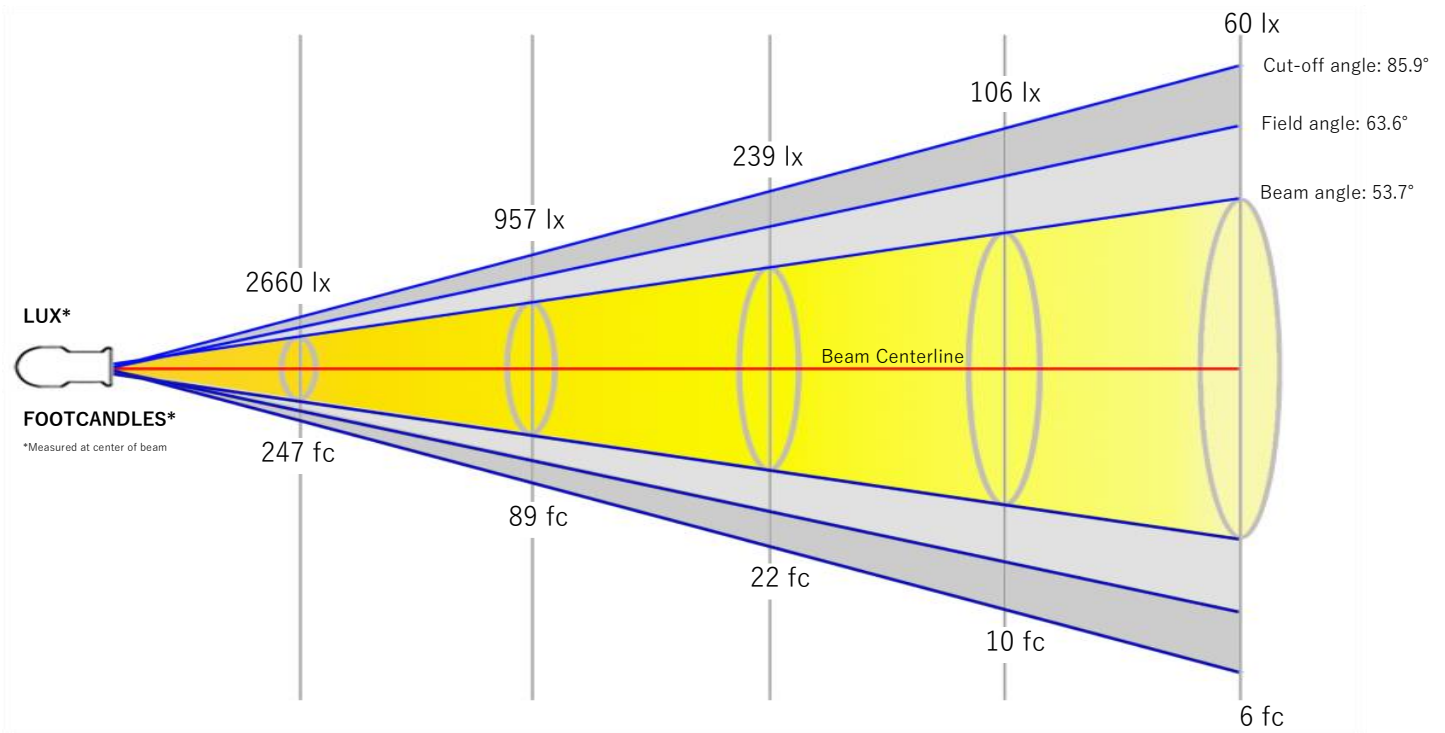
Color Temperature: 6708 K
CRI: 92.4
TLCI: 94
TM30 R_F: 88.7
TM30 R_g: 102.2

Power Details

Efficacy: 33 Lumen/Watt
Power: 495 W
Supply Voltage: 119 V
Current: 4.17 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	m	5.1 m	10.1 m	15.2 m	20.2 m

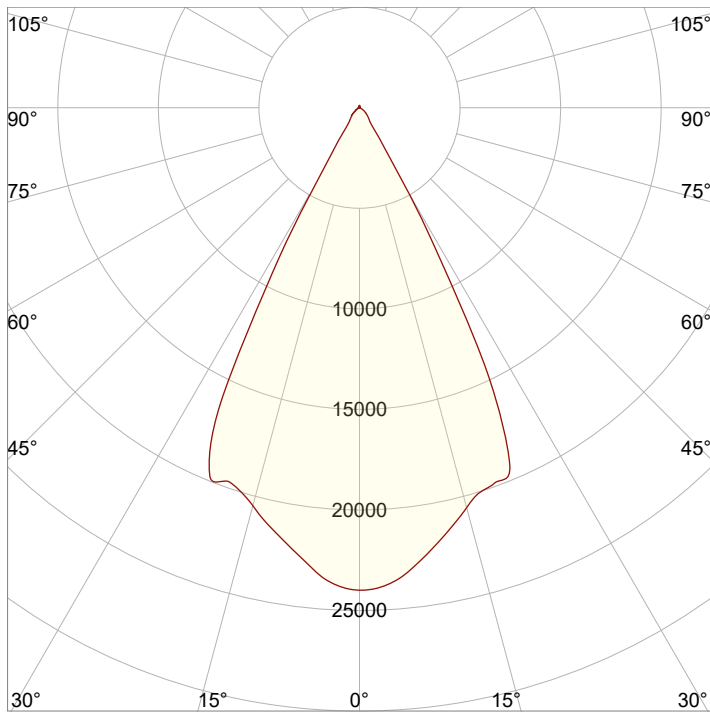


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	9.9 ft	16.6 ft	33.2 ft	49.8 ft	66.4 ft

Beam Intensities from 1-20m

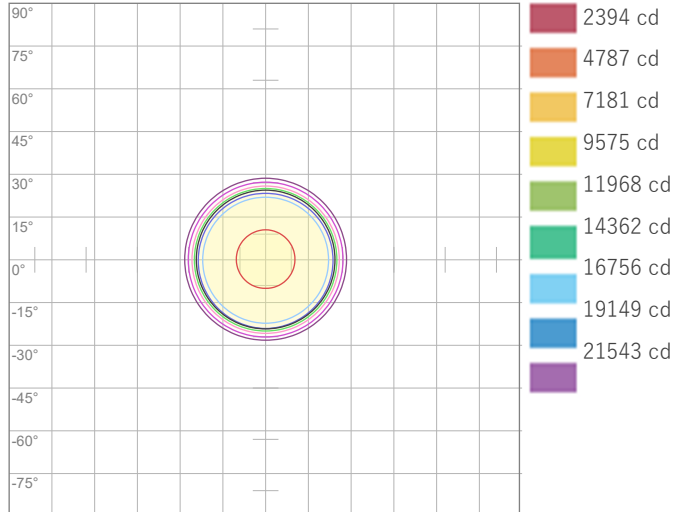
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	23937	5984	2660	1496	957	665	489	374	296	239	198	166	142	122	106	94	83	74	66	60
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	2223.8	556	247.1	139	89	61.8	45.4	34.7	27.5	22.2	18.4	15.4	13.2	11.3	9.9	8.7	7.7	6.9	6.2	5.6

Angular Distribution



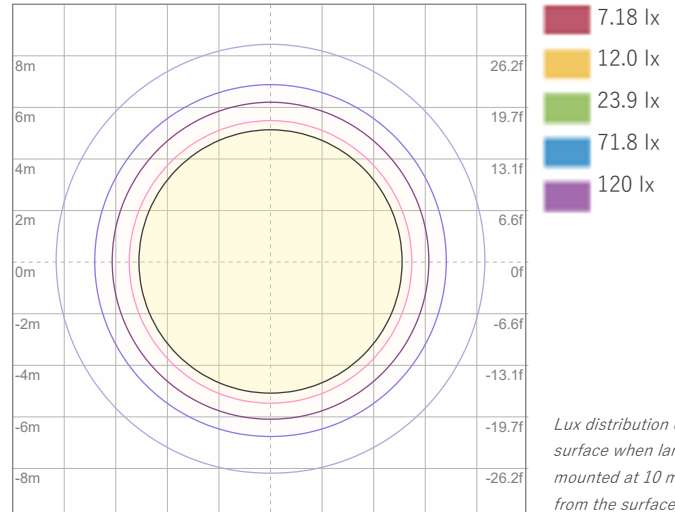
Beam Angle - 50%
53.7°
Field Angle - 10%
63.6°
Cutoff Angle - 2.5%
85.9°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 2
Candela at center: 23937 cd

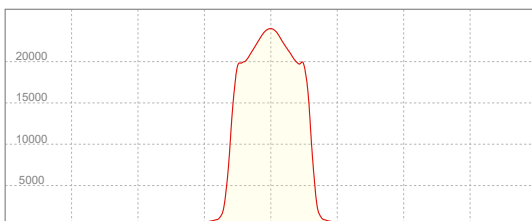


ISO LUX Diagram

Conditions:
Number of c-planes: 2
LUX at center: 239 lx

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

Linear Distribution



Peak Candela
23941 cd

Calculate Center Beam Intensities

$$\text{lux} = 23941 / \text{distance(m)}^2$$

$$\text{fc} = 23941 / \text{distance(ft)}^2$$

Key Measurements

Output

Total Lumen Output: 11243 lm
Peak Intensity: 87765 cd

Beam

Beam Angle (50%): 21.4°
Field Angle (10%): 30.3°
Cutoff Angle (2.5%): 38.1°

Color

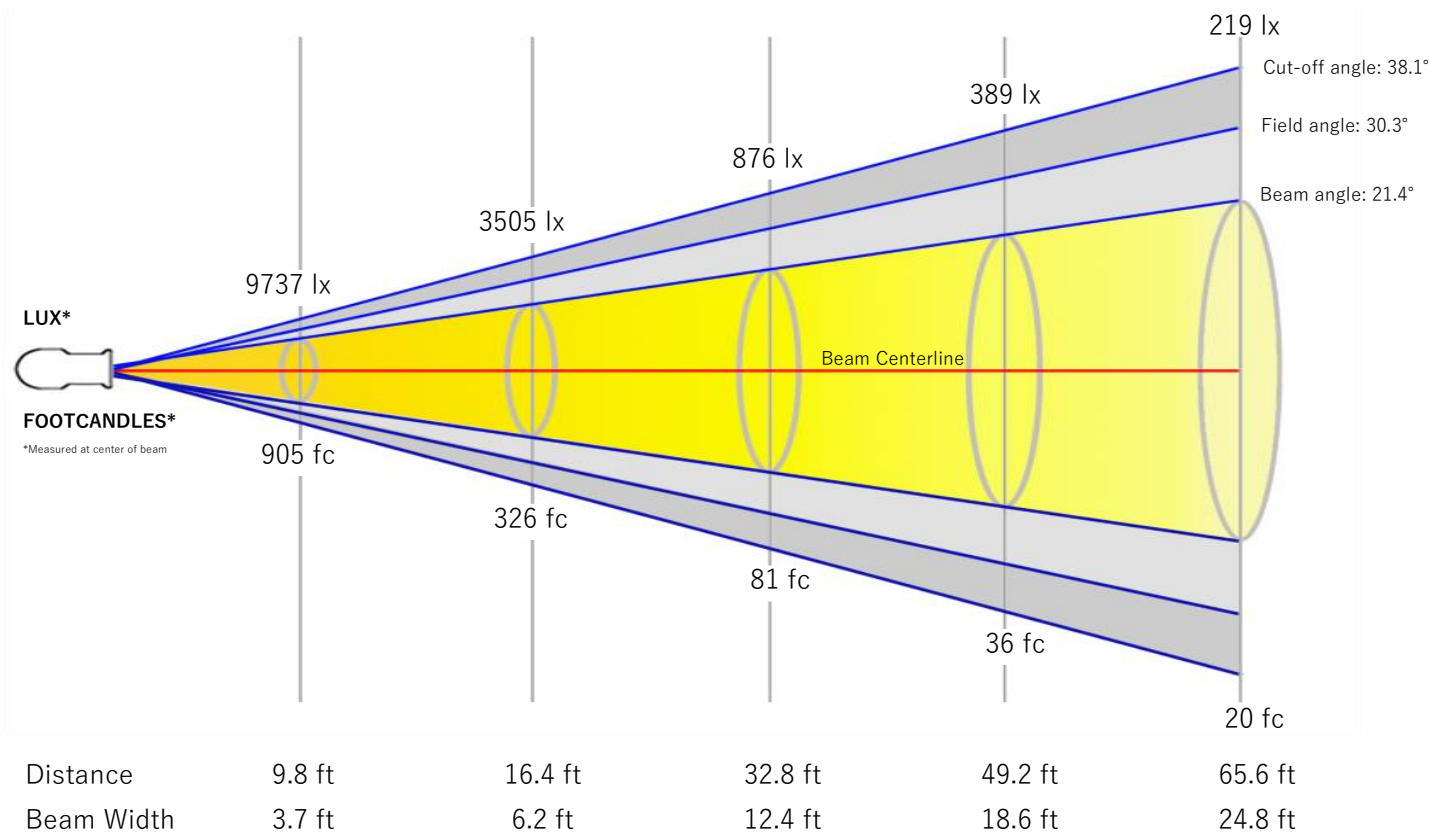
Color Temperature: 6583 K
CRI: 92.2
TLCI: 93
TM30 R_F: 88.7
TM30 R_g: 102.7

Power Details

Efficacy: 23 Lumen/Watt
Power: 495 W
Supply Voltage: 117 V
Current: 4.23 A

Beam Details

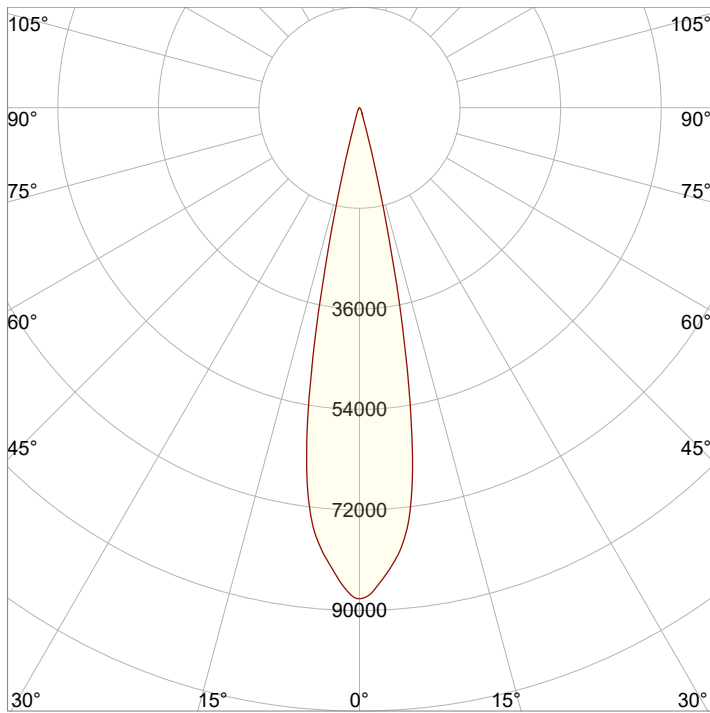
Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.8 m	5.7 m	7.6 m



Beam Intensities from 1-20m

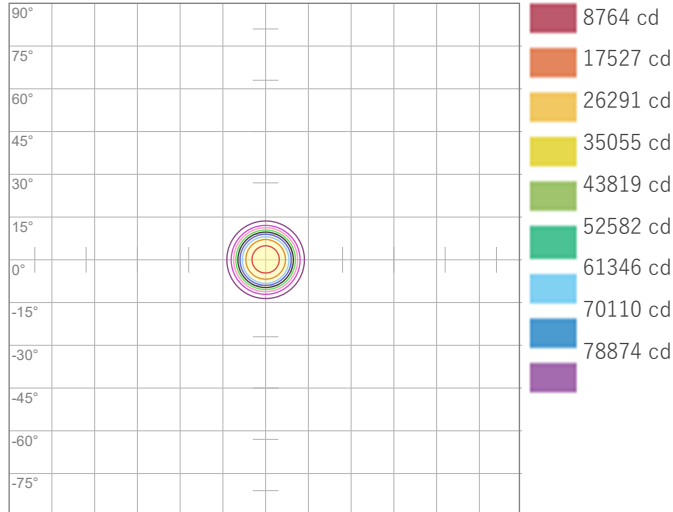
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	87637	21909	9737	5477	3505	2434	1789	1369	1082	876	724	609	519	447	389	342	303	270	243	219
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	8141.8	2035.4	904.6	508.9	325.7	226.2	166.2	127.2	100.5	81.4	67.3	56.5	48.2	41.5	36.2	31.8	28.2	25.1	22.6	20.4

Angular Distribution



Beam Angle - 50%
21.4°
Field Angle - 10%
30.3°
Cutoff Angle - 2.5%
38.1°

ISO Diagrams

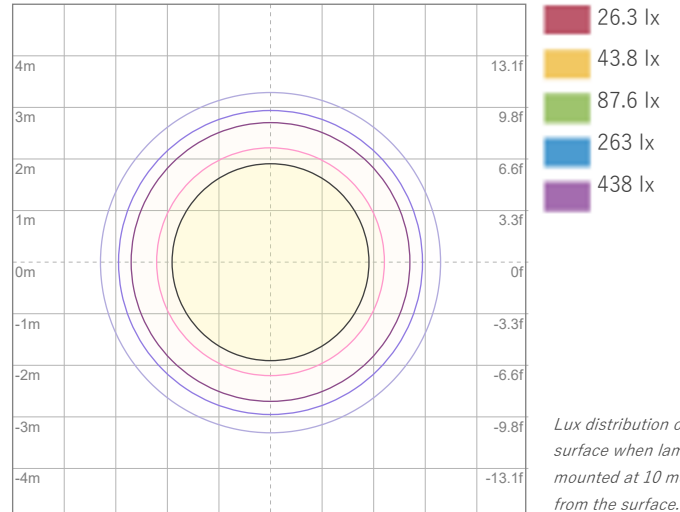


ISO Candela Diagram

Conditions:

Number of c-planes: 2

Candela at center: 87637 cd



ISO LUX Diagram

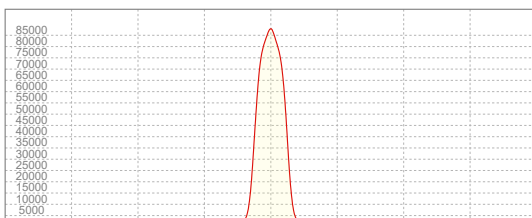
Conditions:

Number of c-planes: 2

LUX at center: 876 lx

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

Linear Distribution



Peak Candela
87765 cd

Calculate Center Beam Intensities

$$\text{lux} = 87765 / \text{distance(m)}^2$$

$$\text{fc} = 87765 / \text{distance(ft)}^2$$

Key Measurements

Output

Total Lumen Output: 6326 lm
Peak Intensity: 343199 cd

Beam

Beam Angle (50%): 6.3°
Field Angle (10%): 12.1°
Cutoff Angle (2.5%): 17.6°

Color

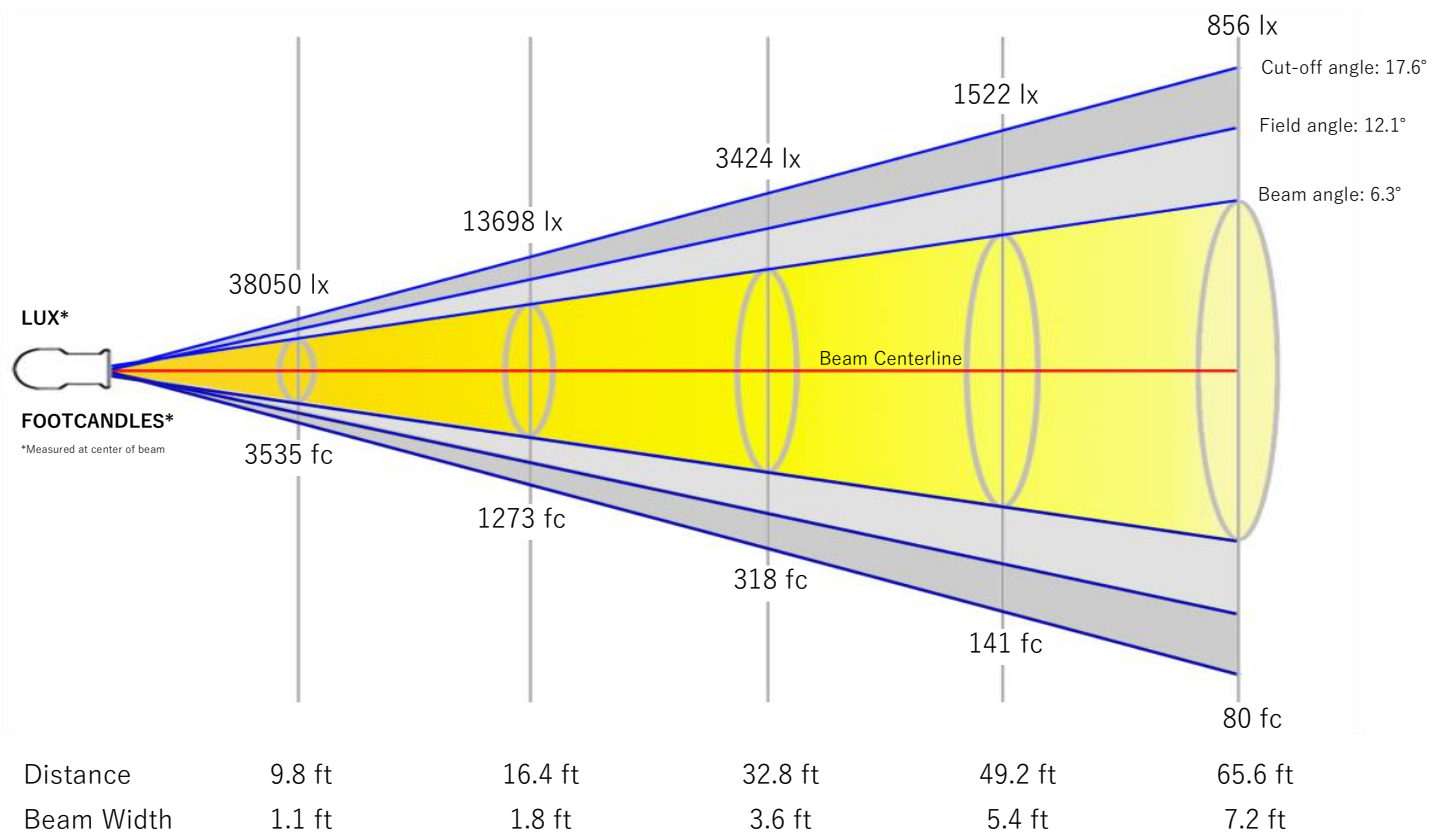
Color Temperature: 6404 K
CRI: 92.0
TLCI: 93
TM30 R_F: 88.9
TM30 R_g: 103.2

Power Details

Efficacy: 13 Lumen/Watt
Power: 495 W
Supply Voltage: 117 V
Current: 4.22 A

Beam Details

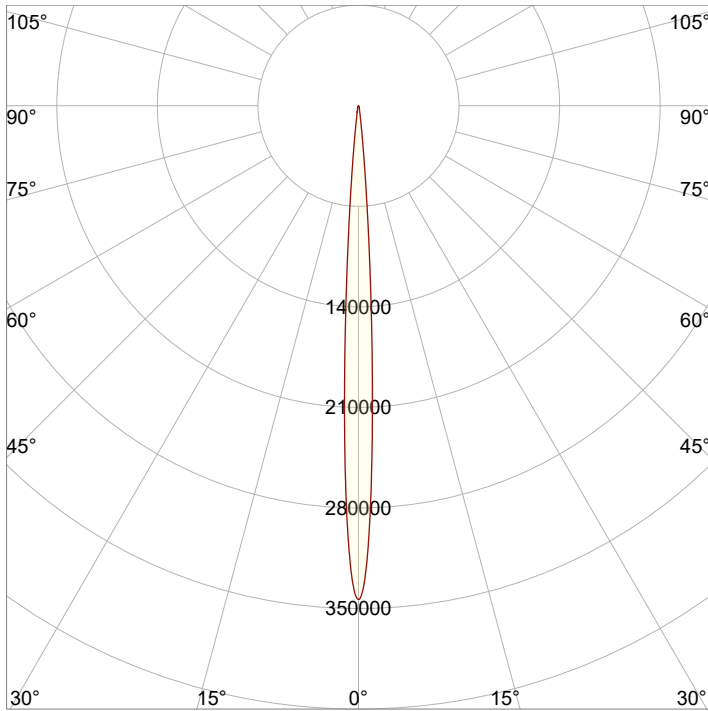
Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	0.3 m	0.6 m	1.1 m	1.7 m	2.2 m



Beam Intensities from 1-20m

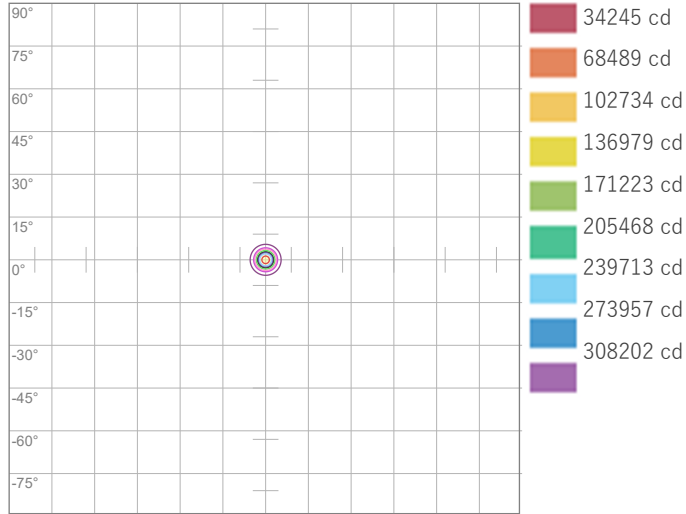
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	342447	85612	38050	21403	13698	9512	6989	5351	4228	3424	2830	2378	2026	1747	1522	1338	1185	1057	949	856
FT	3.3	6.6	9.8	13.1	16.4	19.7	23	26.2	29.5	32.8	36.1	39.4	42.7	45.9	49.2	52.5	55.8	59.1	62.3	65.6
FC	31814.3	7953.6	3534.9	1988.4	1272.6	883.7	649.3	497.1	392.8	318.1	262.9	220.9	188.3	162.3	141.4	124.3	110.1	98.2	88.1	79.5

Angular Distribution



Beam Angle - 50%
6.3°
Field Angle - 10%
12.1°
Cutoff Angle - 2.5%
17.6°

ISO Diagrams

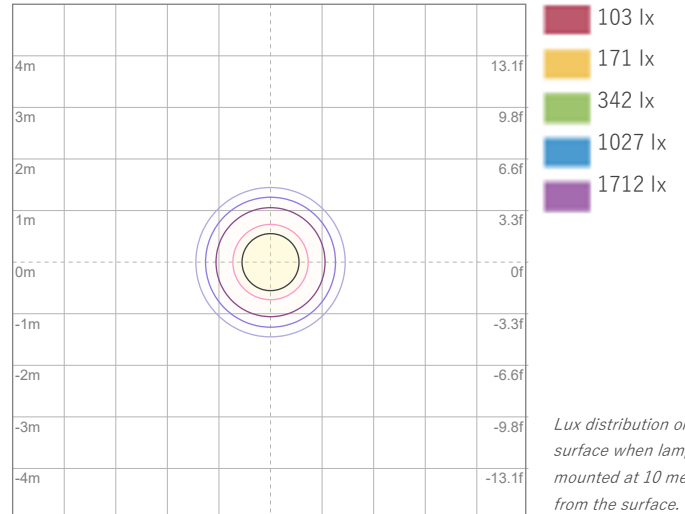


ISO Candela Diagram

Conditions:

Number of c-planes: 2

Candela at center: 342447 cd



ISO LUX Diagram

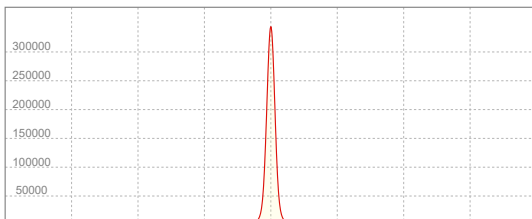
Conditions:

Number of c-planes: 2

LUX at center: 3424 lx

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

Linear Distribution



Peak Candela
343199 cd

Calculate Center Beam Intensities

$$\text{lux} = 343199 / \text{distance(m)}^2$$

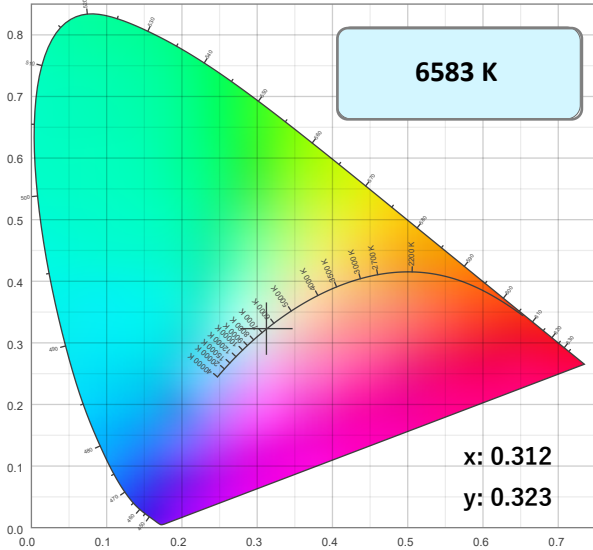
$$\text{fc} = 343199 / \text{distance(ft)}^2$$

Color Temperature: 6583K

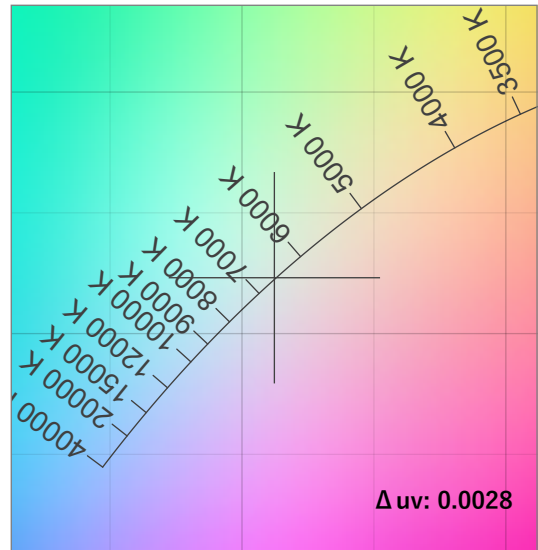
Accuracy Metric Overview

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	Δuv	SSIt	SSId
92.2	90.8	88.7	102.7	93	89.9	0.312	0.323	0.0028	24	57

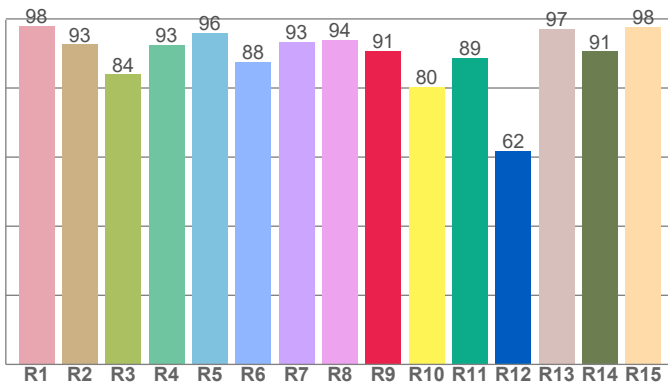
CIE 1931



CIE 1931 ZOOMED

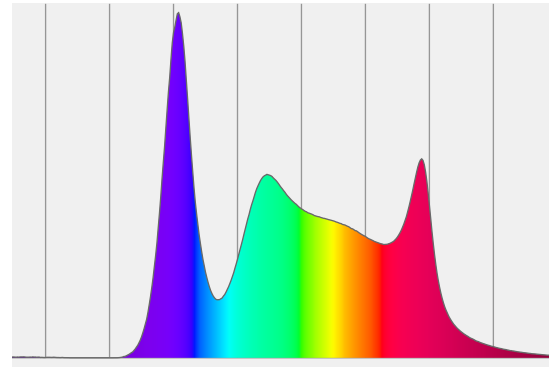


CRI: 92.2 (R1-R8)

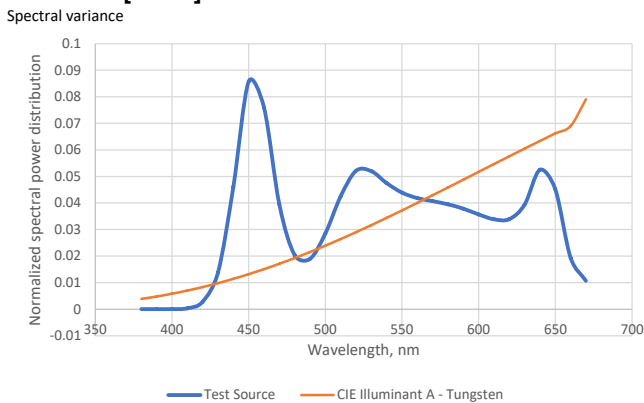


Spectral Power Distribution (SPD)

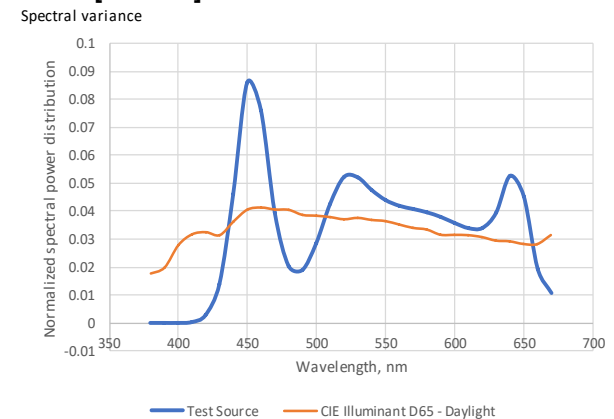
Dominant Wavelength 360 nm

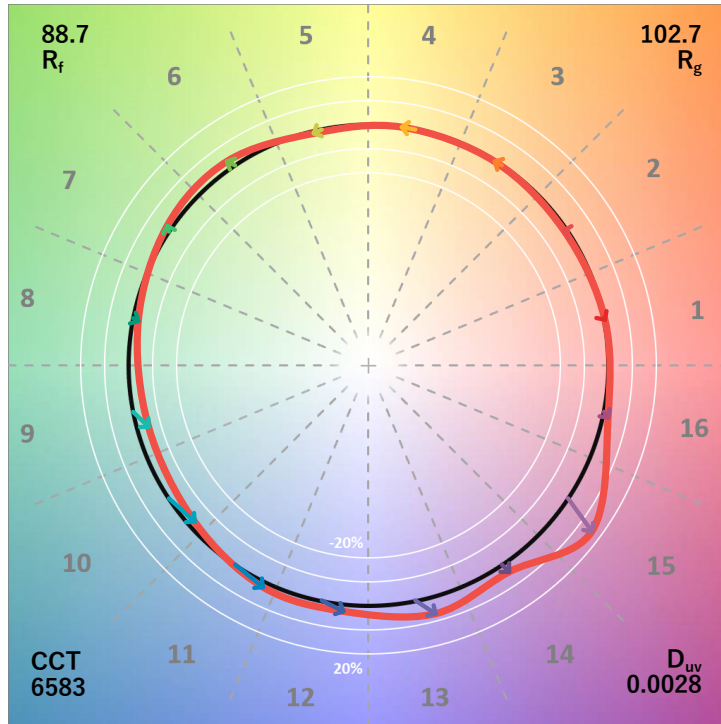


SSI Spectral Variance Graph- Tungsten
SSI [CIE A] 24

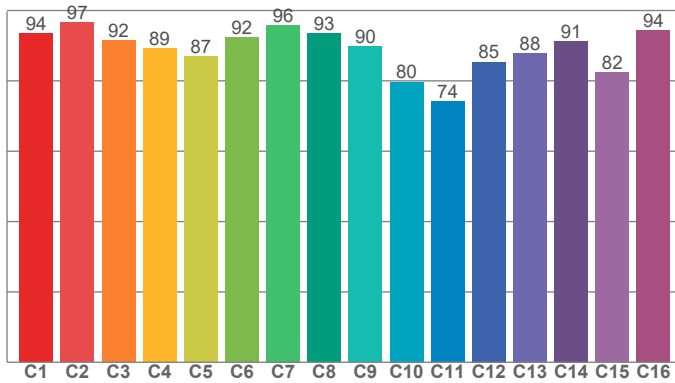


SSI Spectral Variance Graph- Daylight
SSI [CIE D65] 57

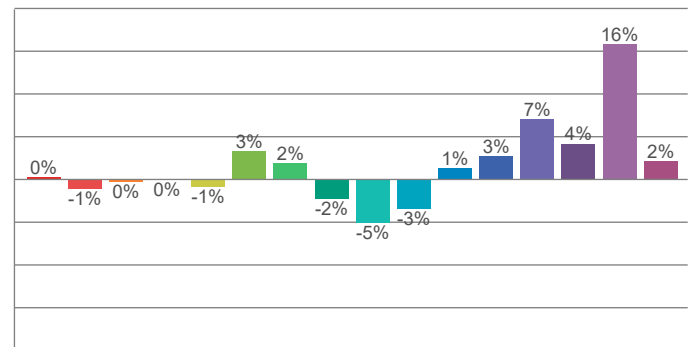




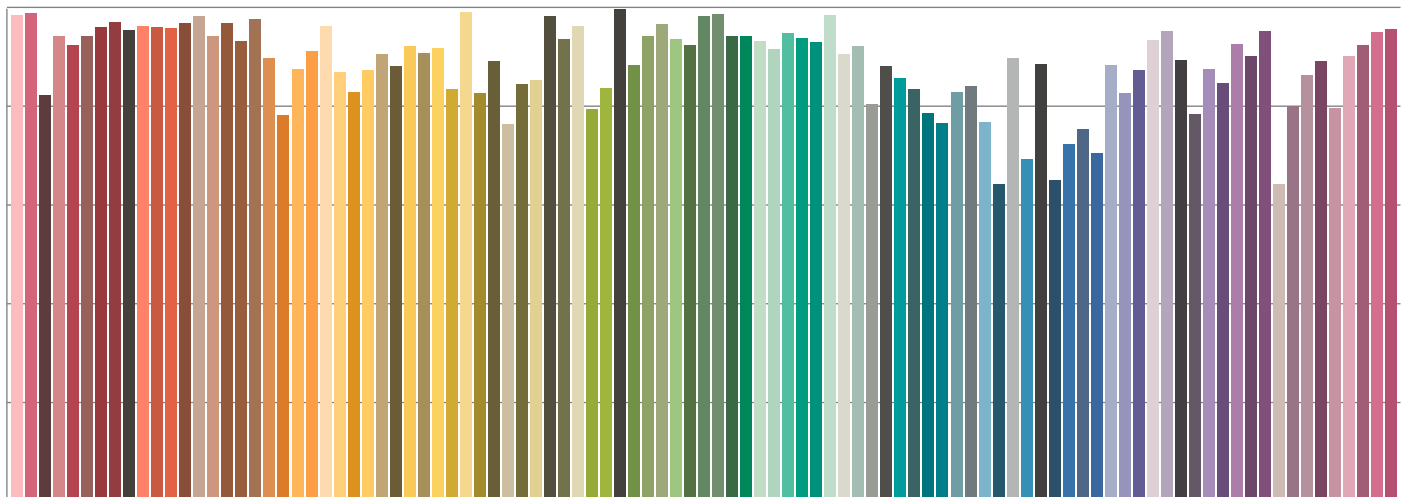
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

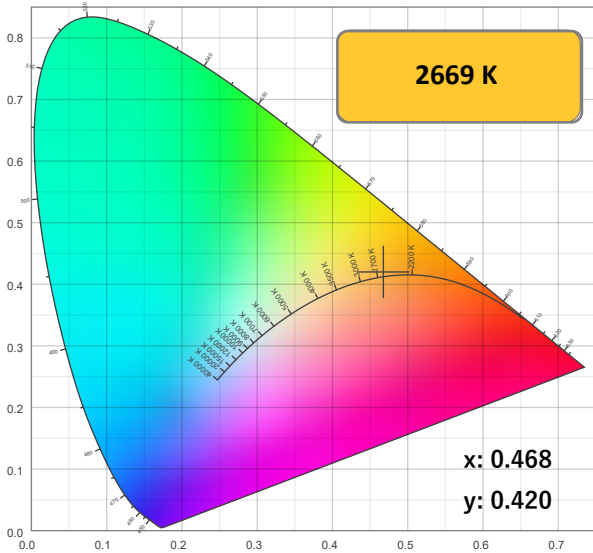


Color Temperature: 2669K

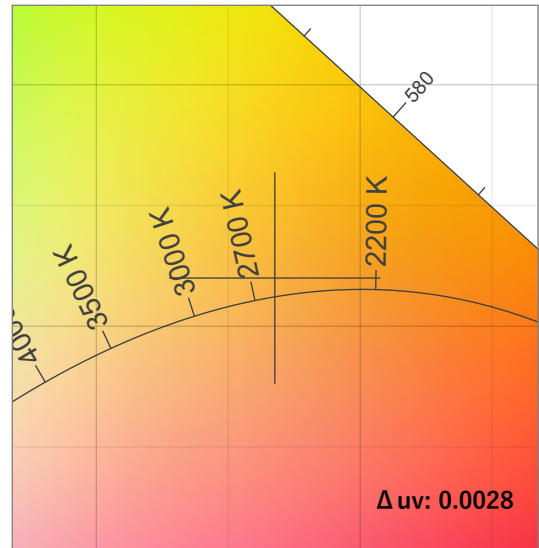
Accuracy Metric Overview

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	Δuv	SSIt	SSId
92.9	77.2	93.9	104.0	90	91.5	0.468	0.420	0.0028	65	13

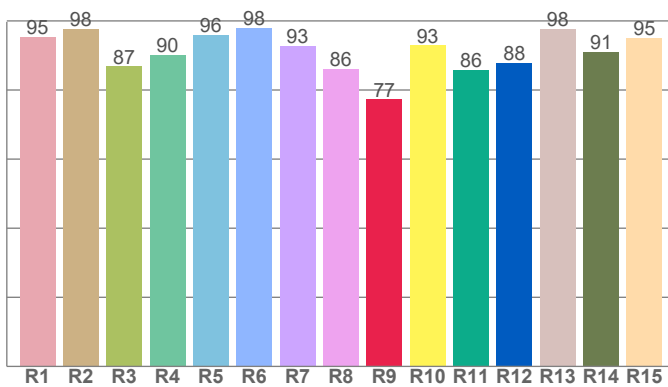
CIE 1931



CIE 1931 ZOOMED

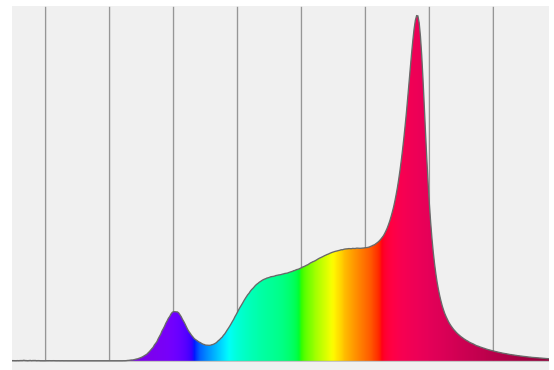


CRI: 92.9 (R1-R8)



Spectral Power Distribution (SPD)

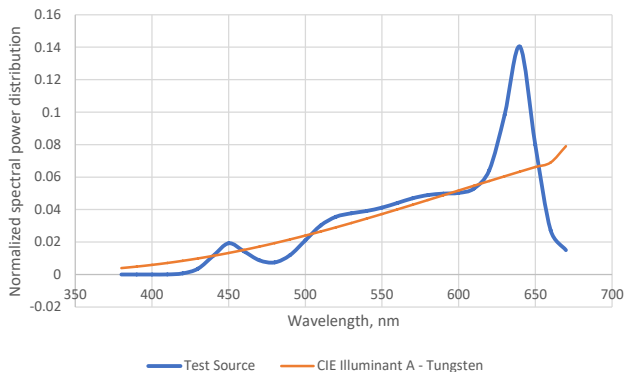
Dominant Wavelength 584 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 65

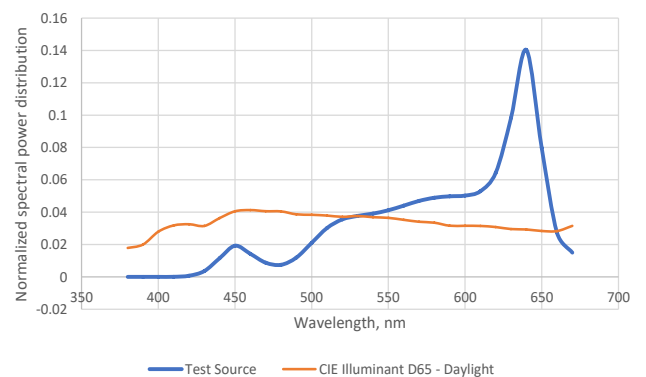
Spectral variance

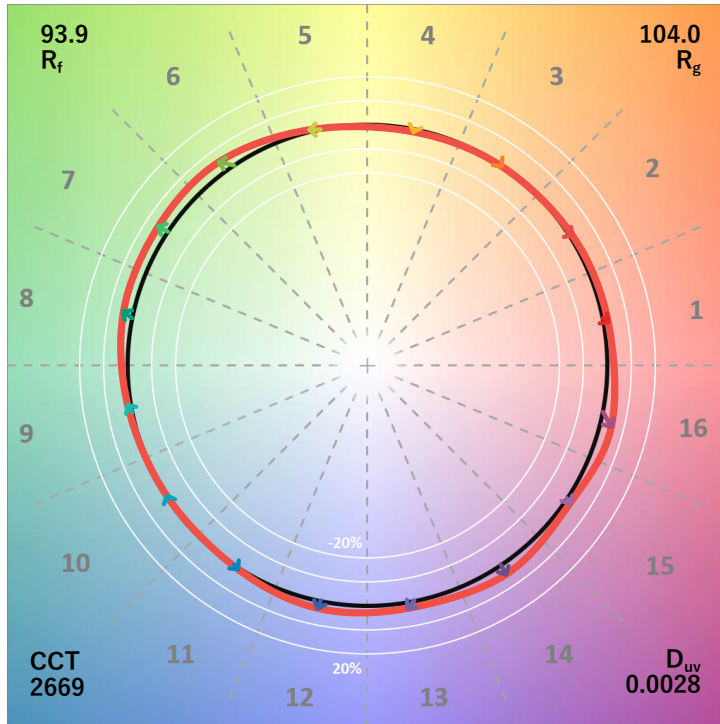


SSI Spectral Variance Graph- Daylight

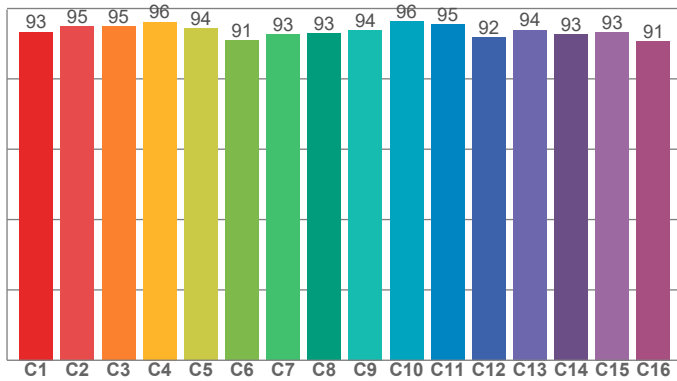
SSI [CIE D65] 13

Spectral variance

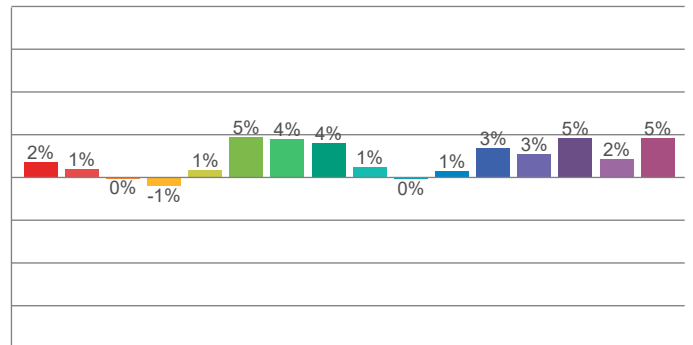




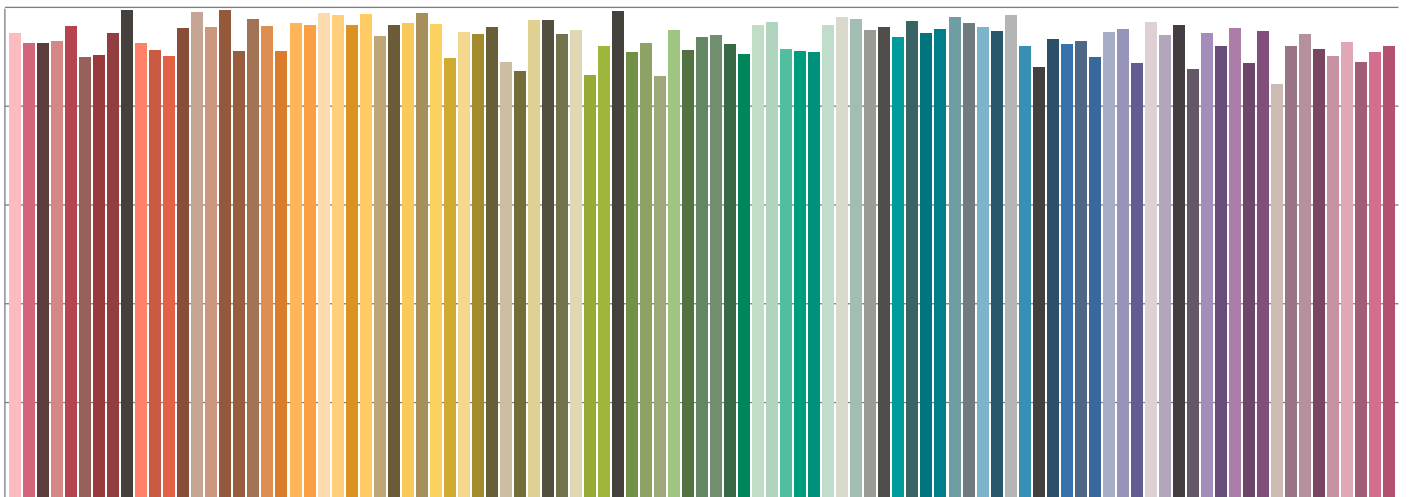
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

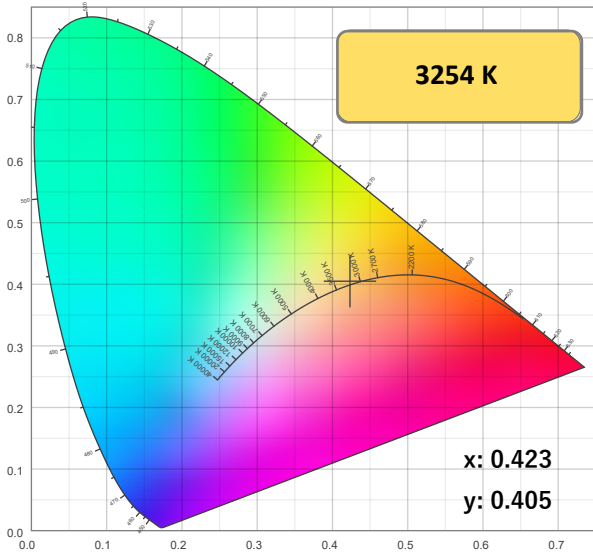


Color Temperature: 3254K

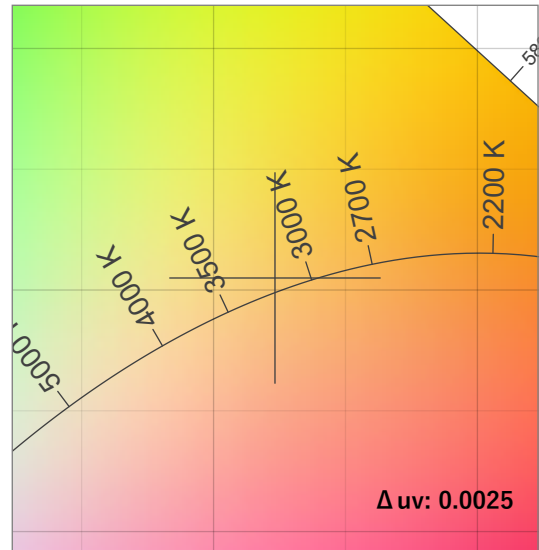
Accuracy Metric Overview

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	Δuv	SSIt	SSId
92.8	81.3	92.6	104.5	92	93.1	0.423	0.405	0.0025	69	31

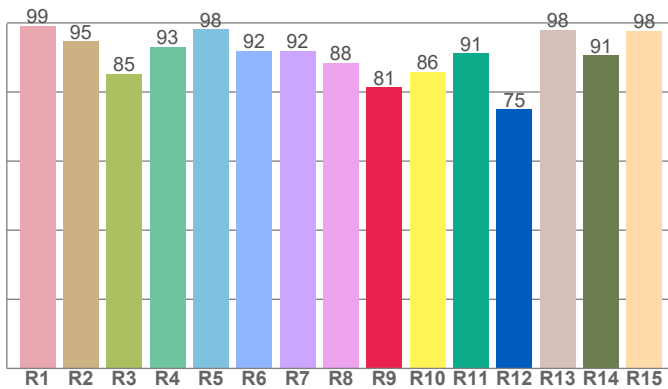
CIE 1931



CIE 1931 ZOOMED

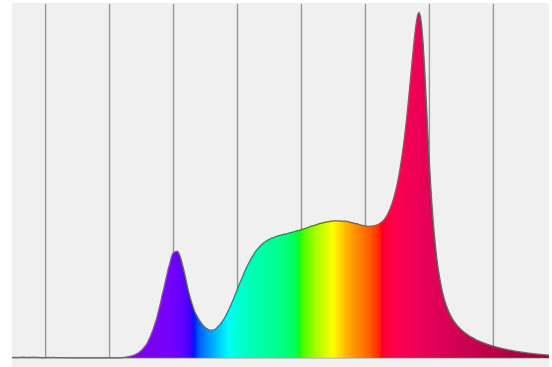


CRI: 92.8 (R1-R8)

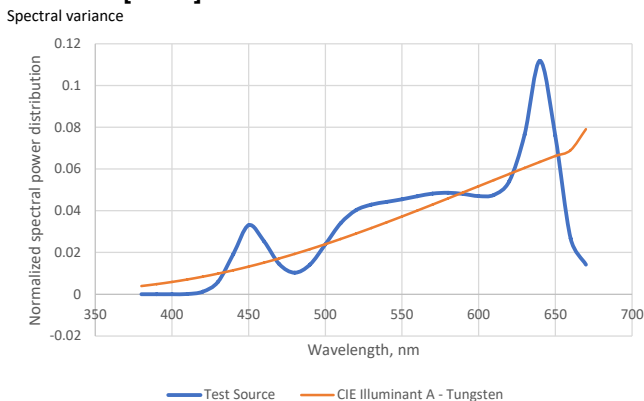


Spectral Power Distribution (SPD)

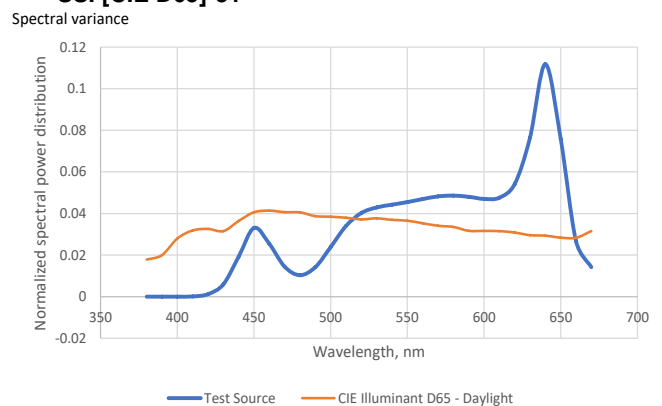
Dominant Wavelength 582 nm

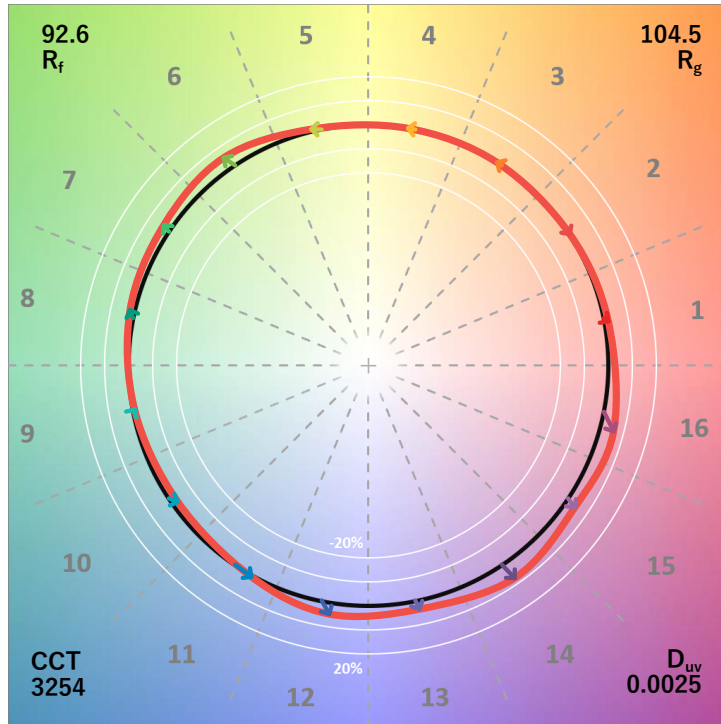


SSI Spectral Variance Graph- Tungsten SSI [CIE A] 69

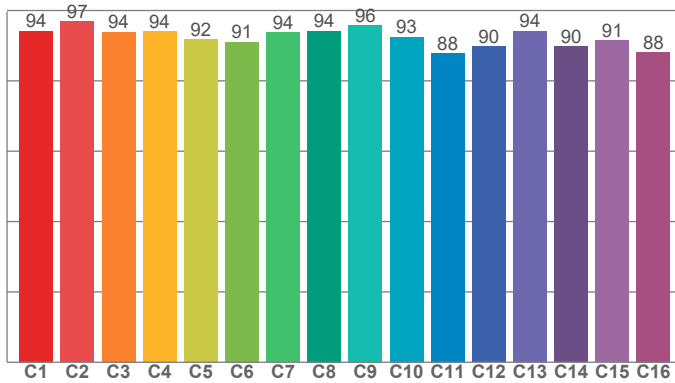


SSI Spectral Variance Graph- Daylight SSI [CIE D65] 31

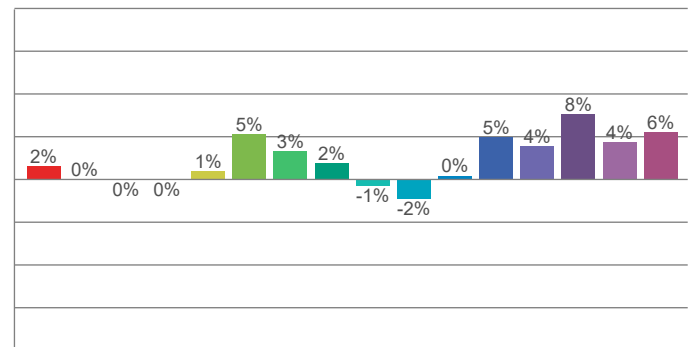




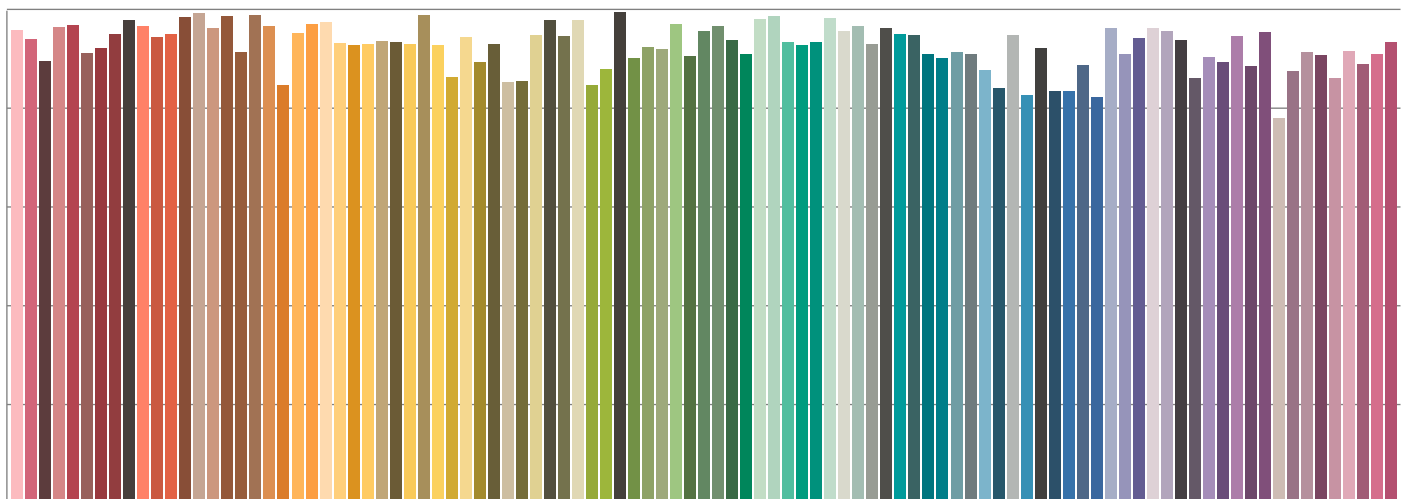
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

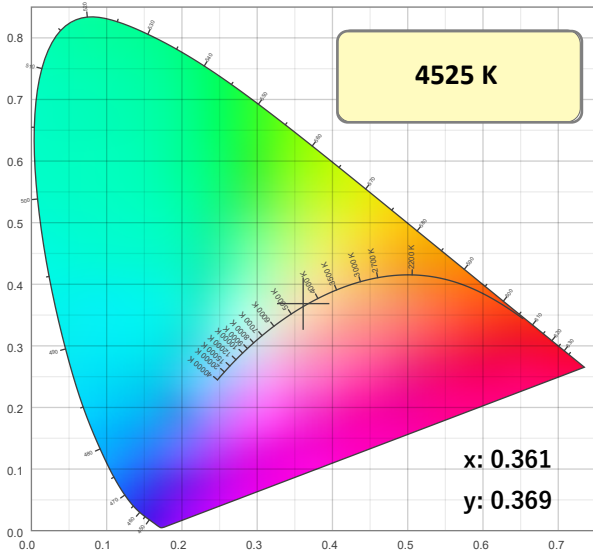


Color Temperature: 4525K

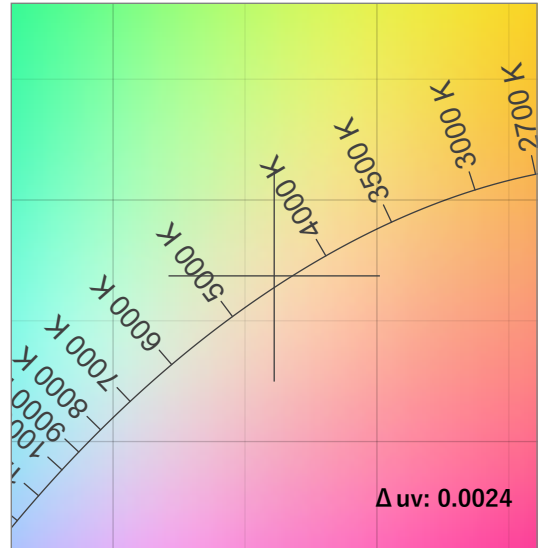
Accuracy Metric Overview

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	Δuv	SSIt	SSId
92.1	87.2	90.5	103.8	93	92.3	0.361	0.369	0.0024	53	52

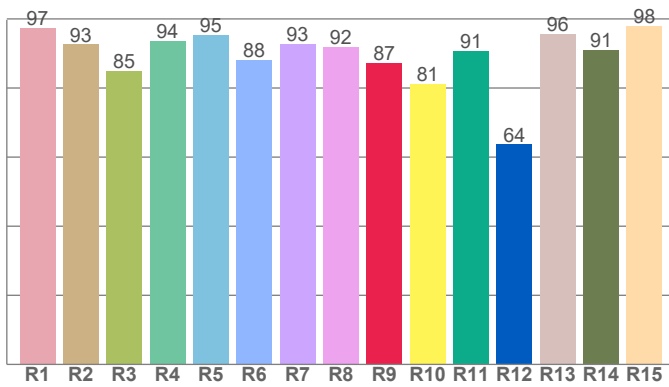
CIE 1931



CIE 1931 ZOOMED

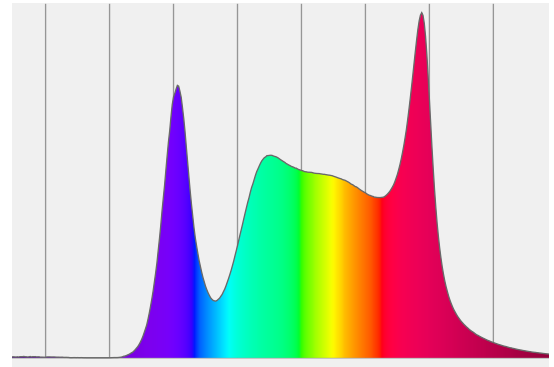


CRI: 92.1 (R1-R8)

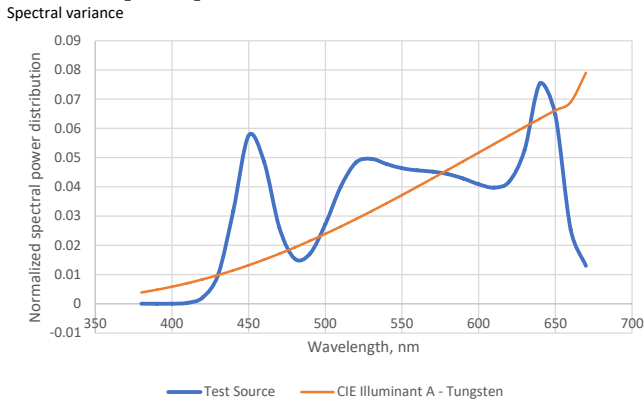


Spectral Power Distribution (SPD)

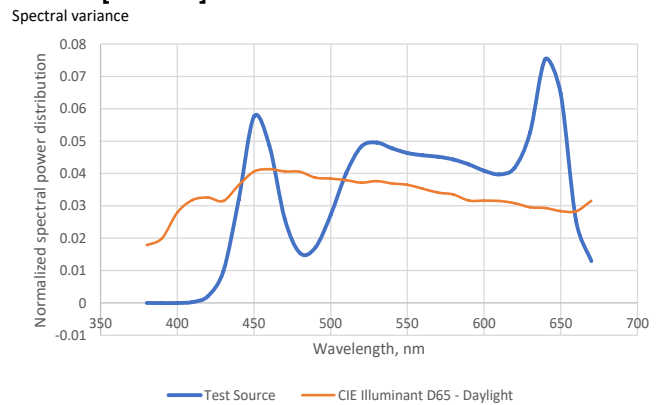
Dominant Wavelength 580 nm

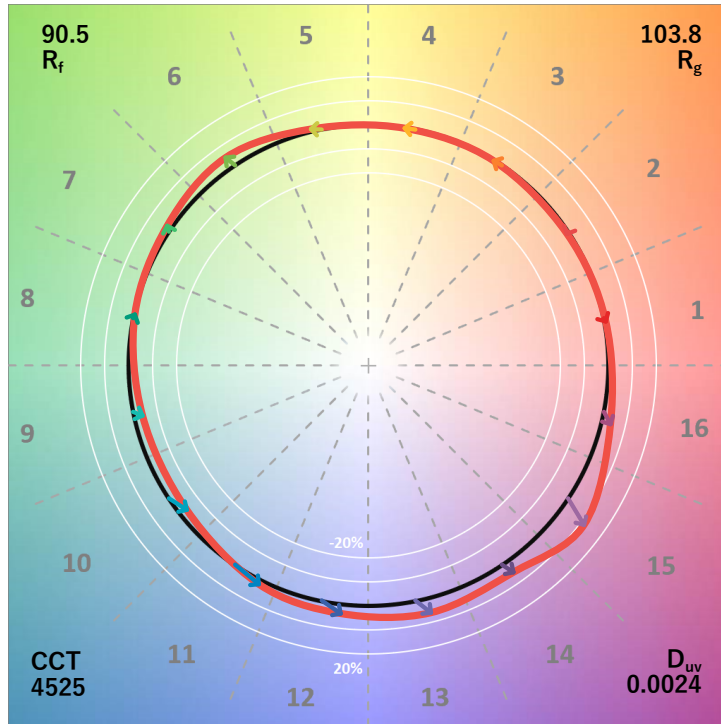


SSI Spectral Variance Graph- Tungsten
SSI [CIE A] 53

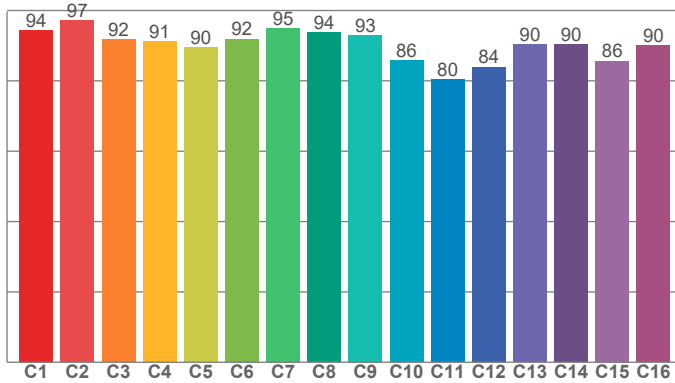


SSI Spectral Variance Graph- Daylight
SSI [CIE D65] 52

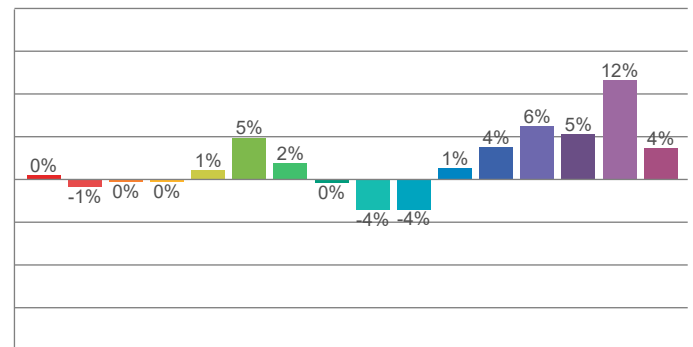




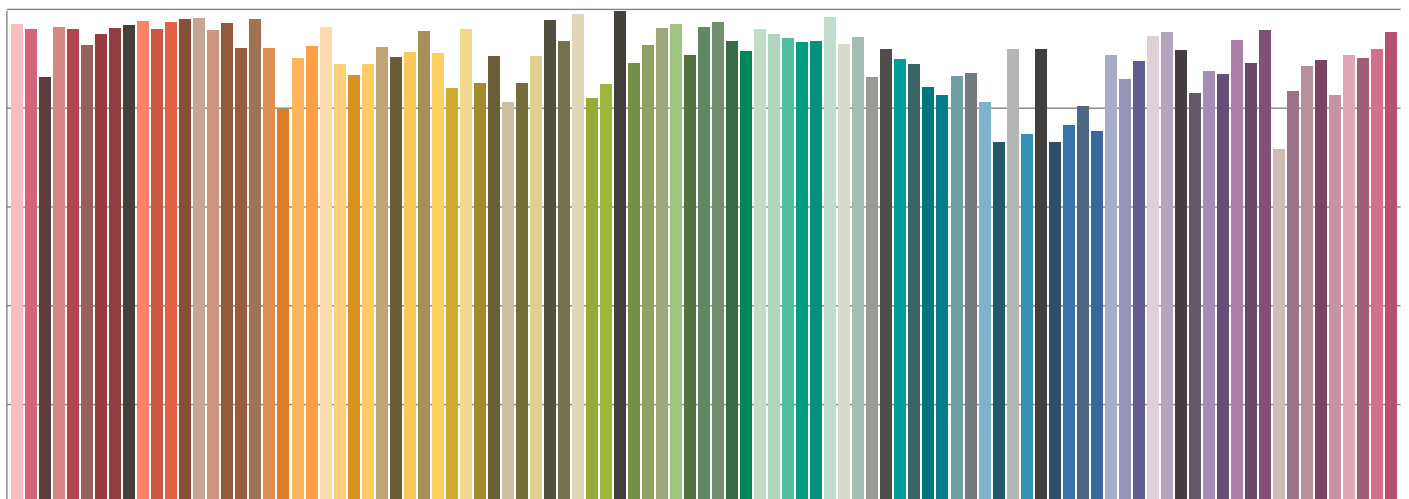
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

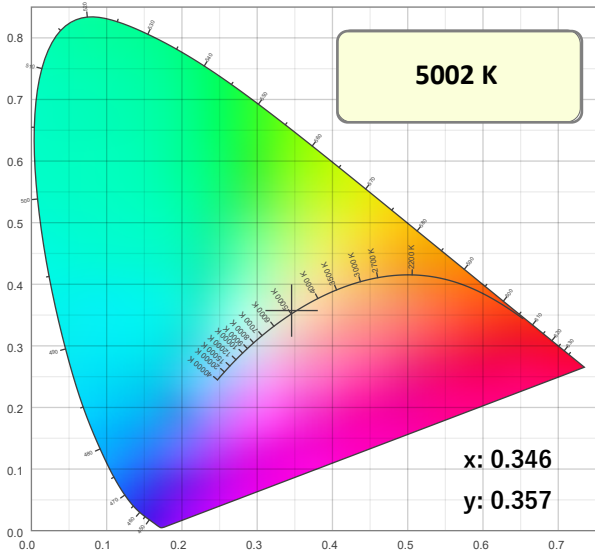


Color Temperature: 5002K

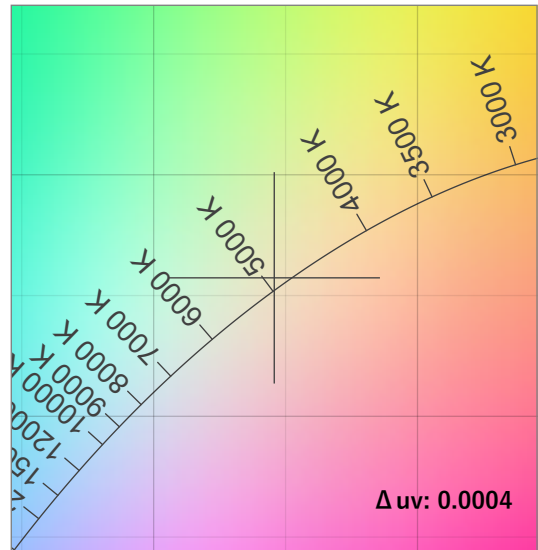
Accuracy Metric Overview

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	Δuv	SSIt	SSId
91.9	92.6	90.0	104.0	93	91.2	0.346	0.357	0.0004	45	55

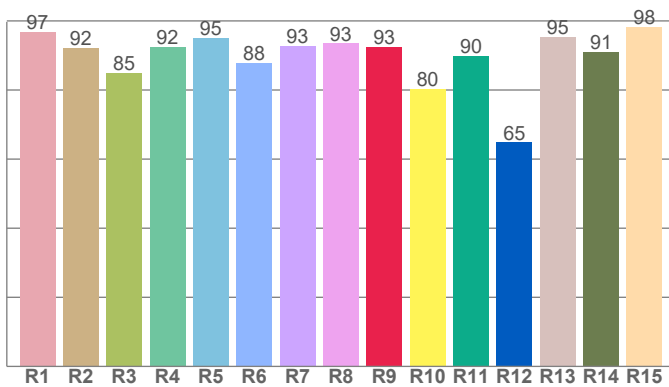
CIE 1931



CIE 1931 ZOOMED

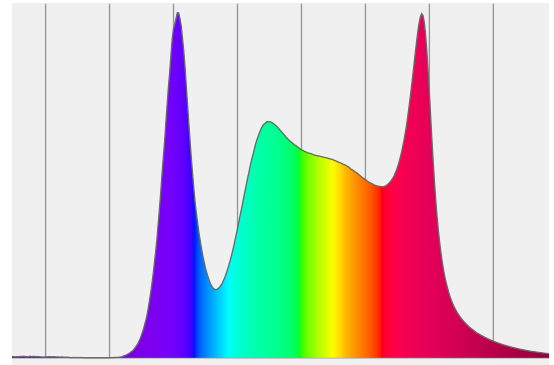


CRI: 91.9 (R1-R8)

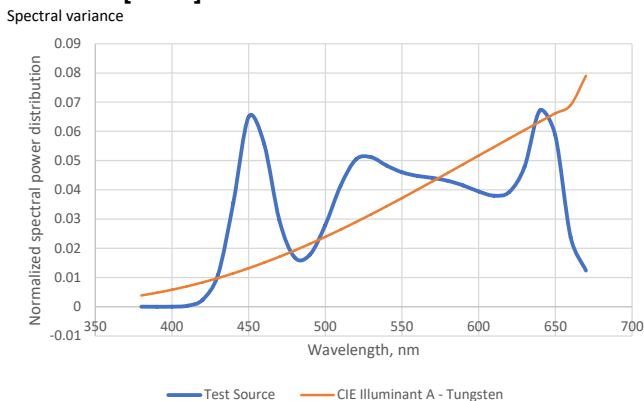


Spectral Power Distribution (SPD)

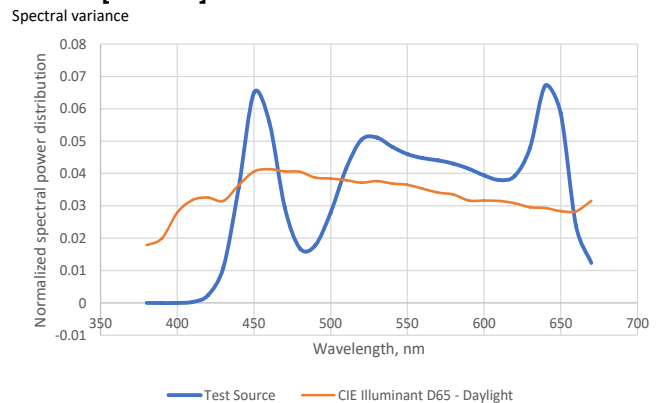
Dominant Wavelength 579 nm

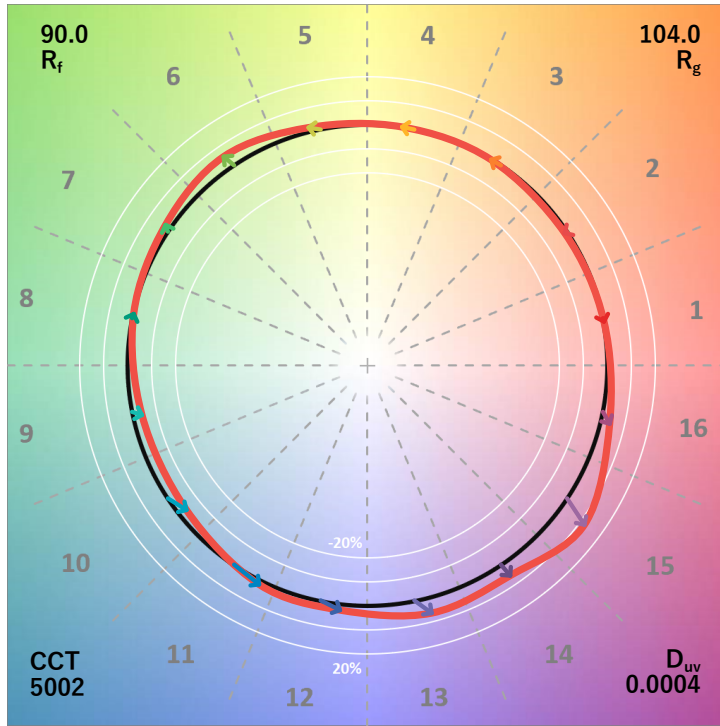


SSI Spectral Variance Graph- Tungsten SSI [CIE A] 45

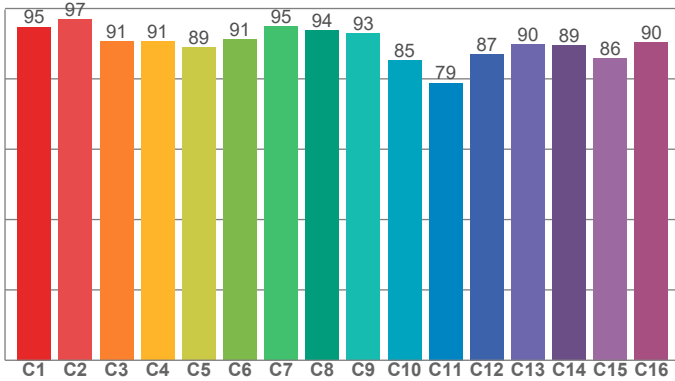


SSI Spectral Variance Graph- Daylight SSI [CIE D65] 55

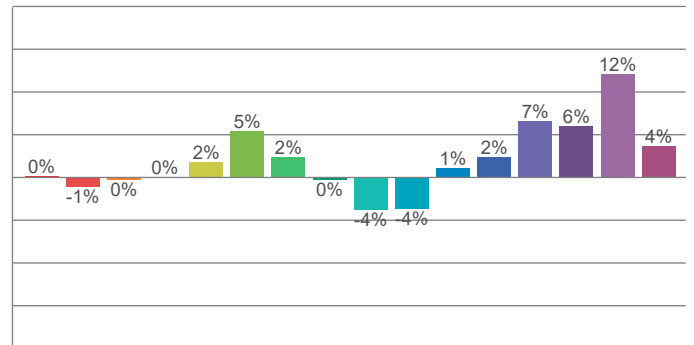




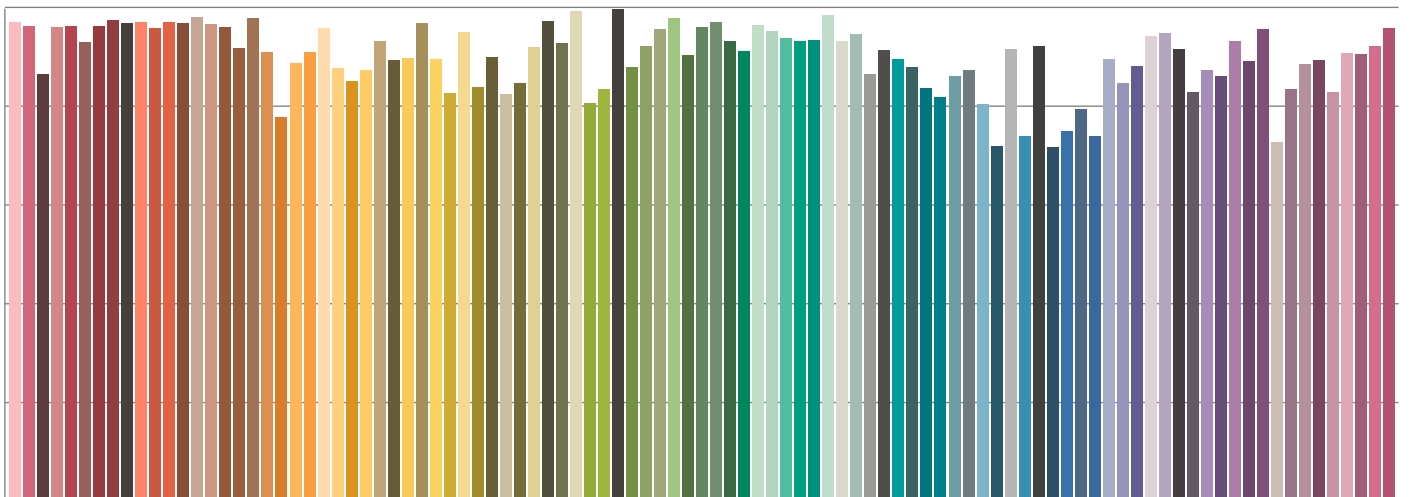
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

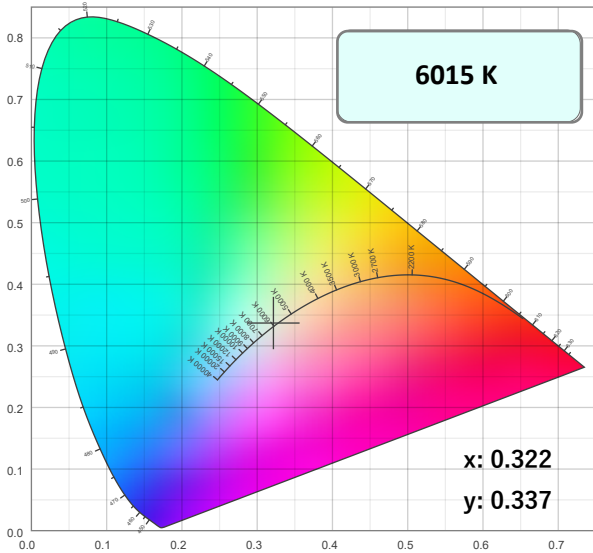


Color Temperature: 6015K

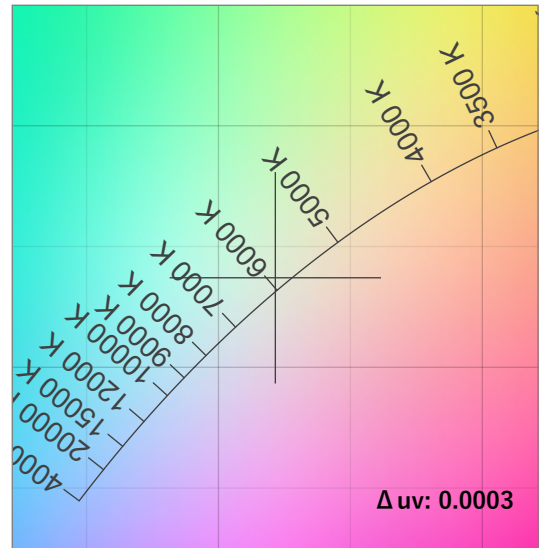
Accuracy Metric Overview

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	Δuv	SSIt	SSId
92.0	95.9	89.5	102.9	94	90.8	0.322	0.337	0.0003	32	58

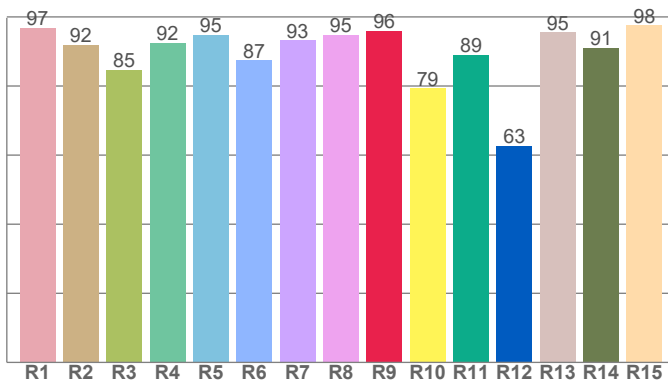
CIE 1931



CIE 1931 ZOOMED

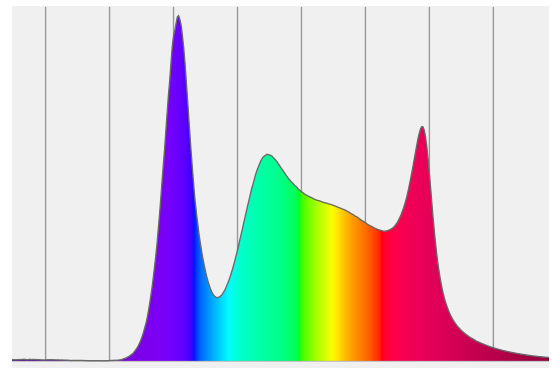


CRI: 92.0 (R1-R8)

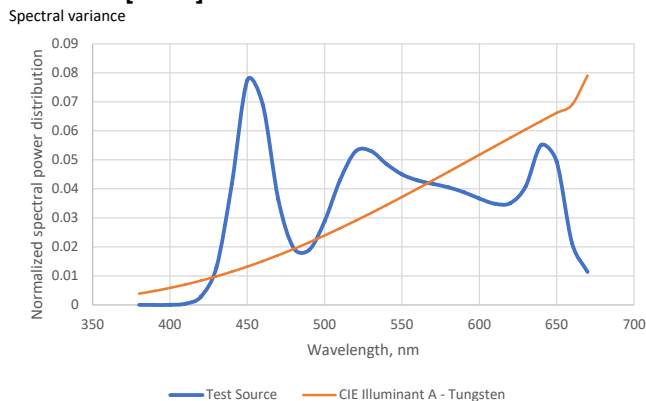


Spectral Power Distribution (SPD)

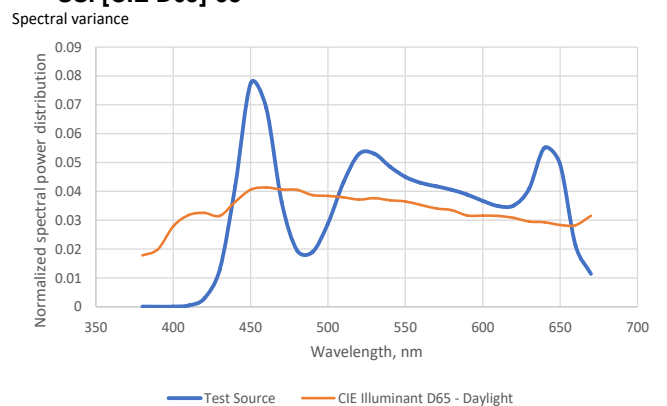
Dominant Wavelength 578 nm

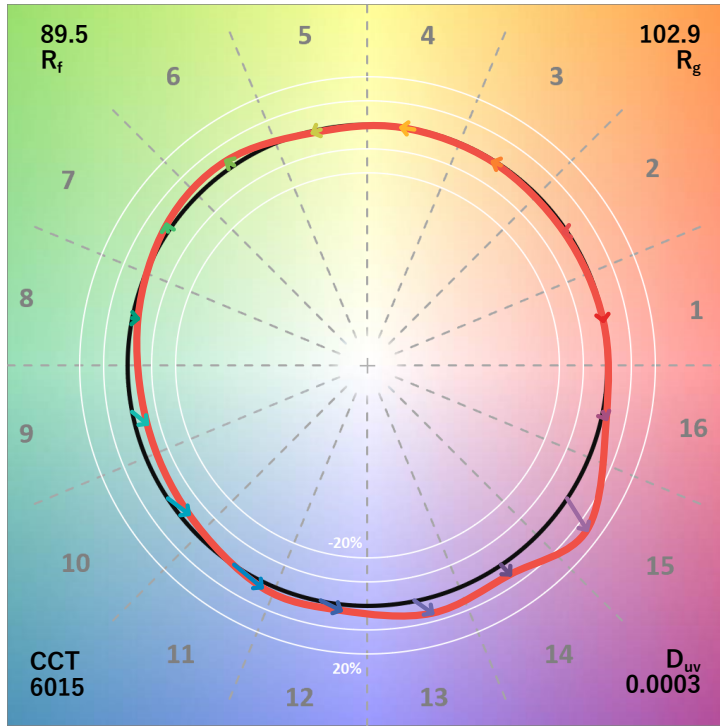


SSI Spectral Variance Graph- Tungsten SSI [CIE A] 32

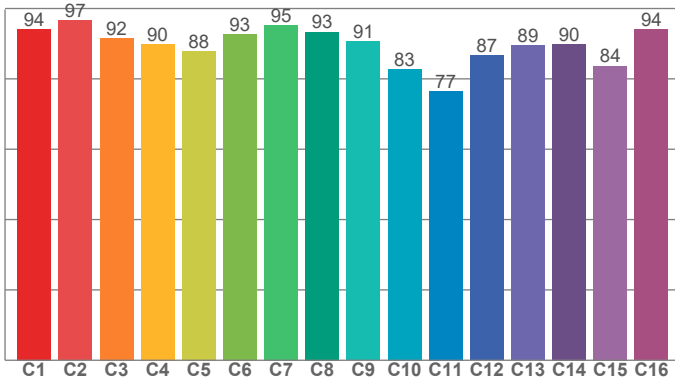


SSI Spectral Variance Graph- Daylight SSI [CIE D65] 58

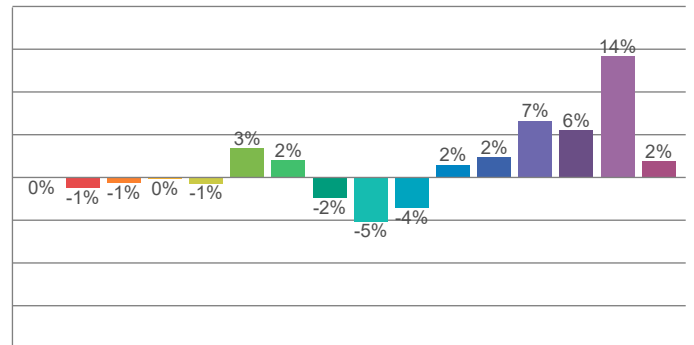




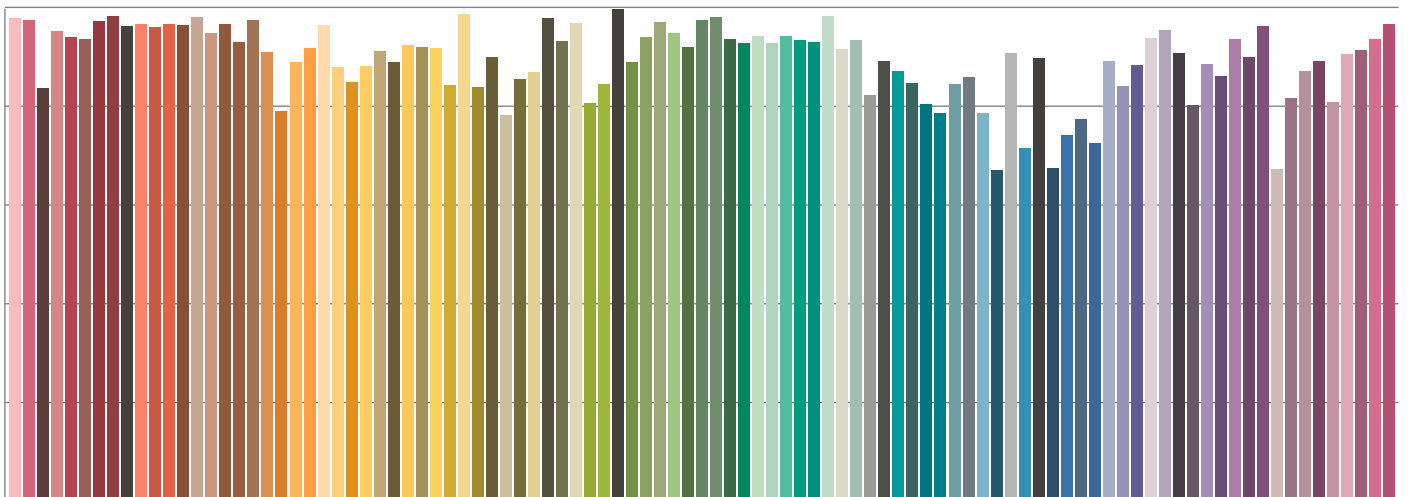
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

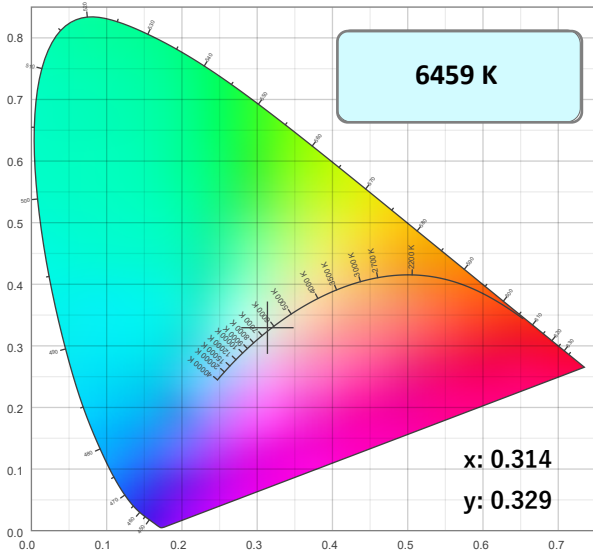


Color Temperature: 6459K

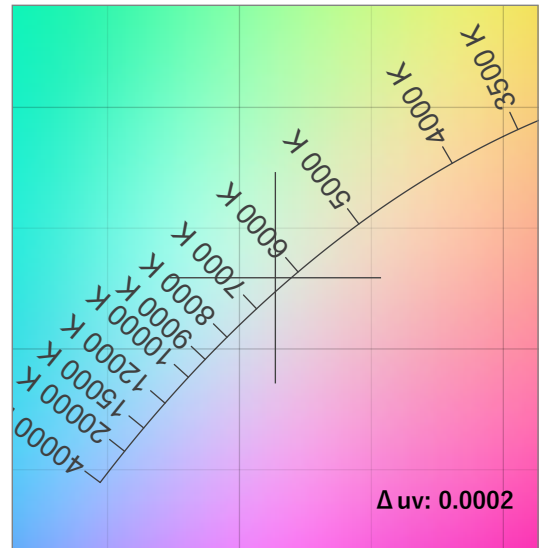
Accuracy Metric Overview

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	Δuv	SSIt	SSId
91.8	98.6	89.0	102.3	94	90.3	0.314	0.329	0.0002	26	58

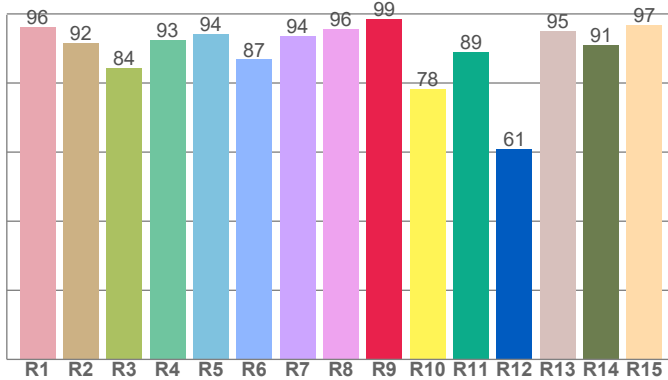
CIE 1931



CIE 1931 ZOOMED

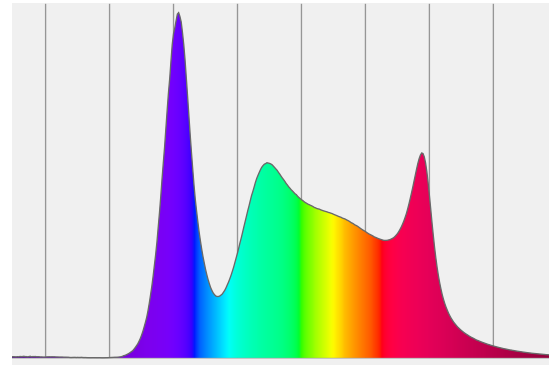


CRI: 91.8 (R1-R8)

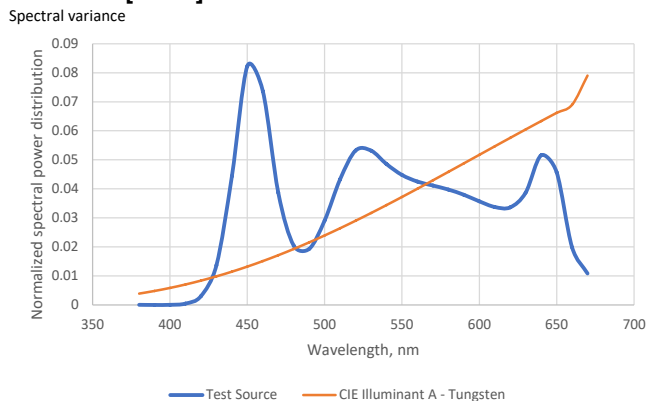


Spectral Power Distribution (SPD)

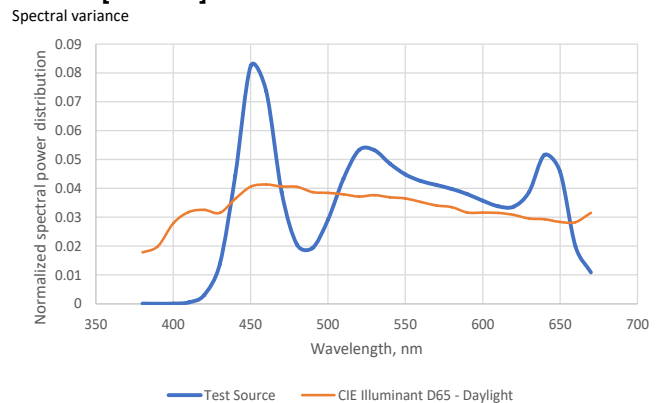
Dominant Wavelength 586 nm

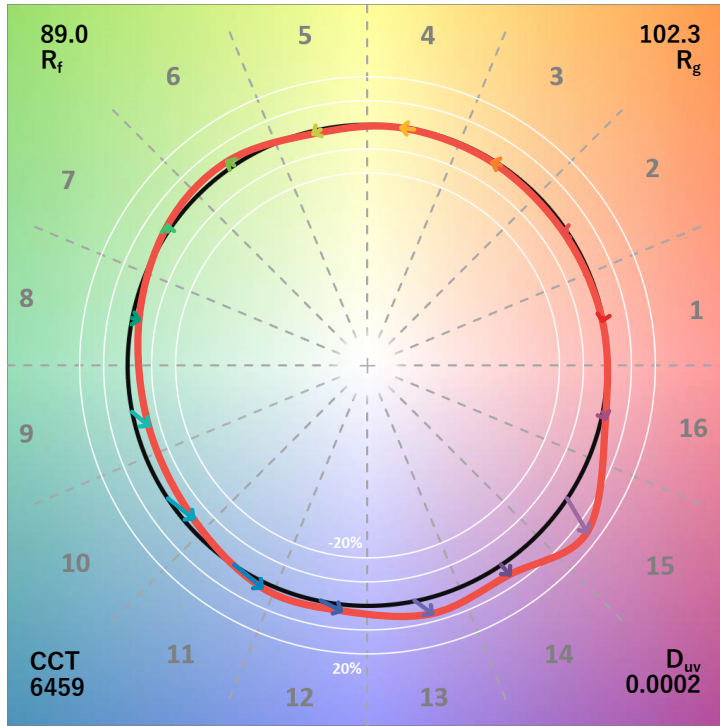


SSI Spectral Variance Graph- Tungsten SSI [CIE A] 26

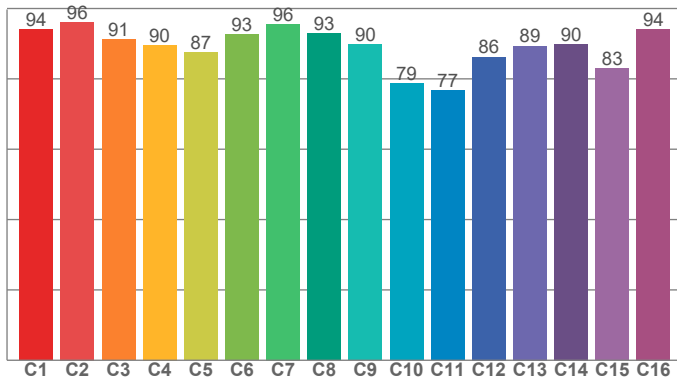


SSI Spectral Variance Graph- Daylight SSI [CIE D65] 58

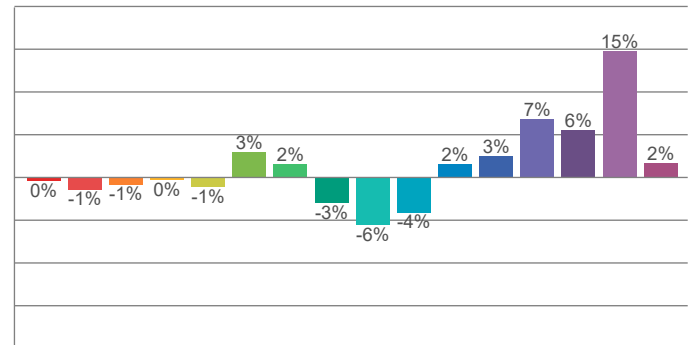




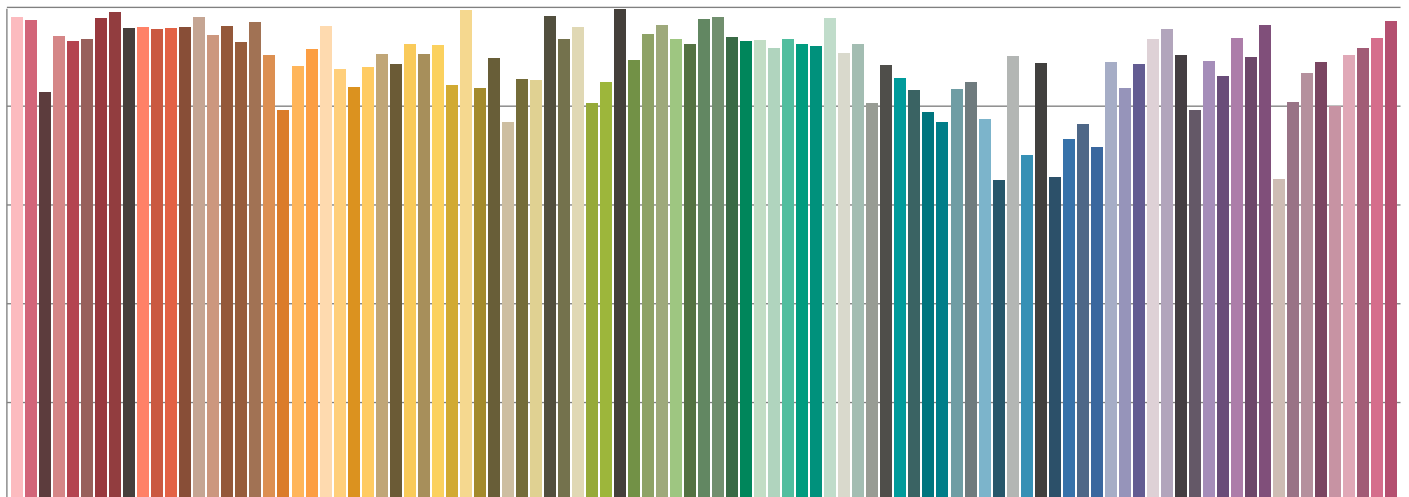
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin

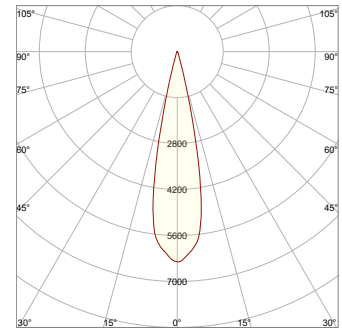
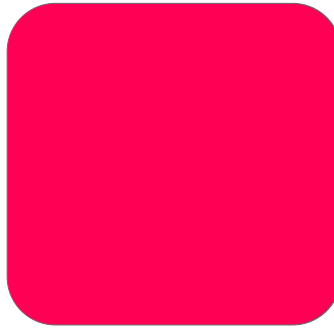


TM30-18 R_f Values per Reference Color (CES)



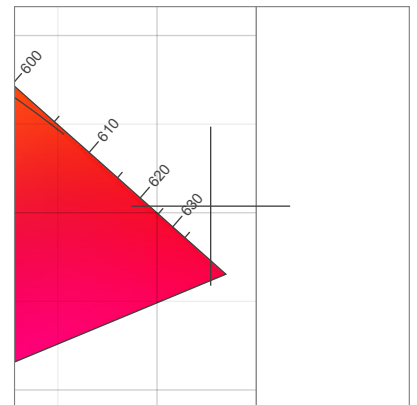
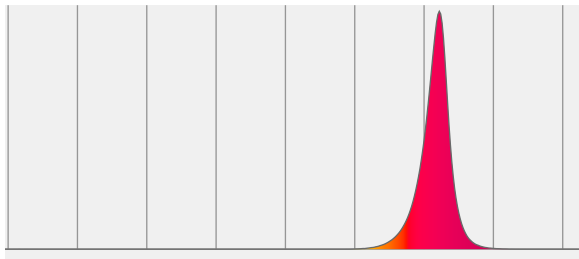
Measurements

Total Lumen Output: 894 lm
 Peak Intensity: 6387 cd
 Efficacy: 12 Lumen/Watt
 Power: 74.2 W
 Voltage: 119 V, Current: 0.626 A



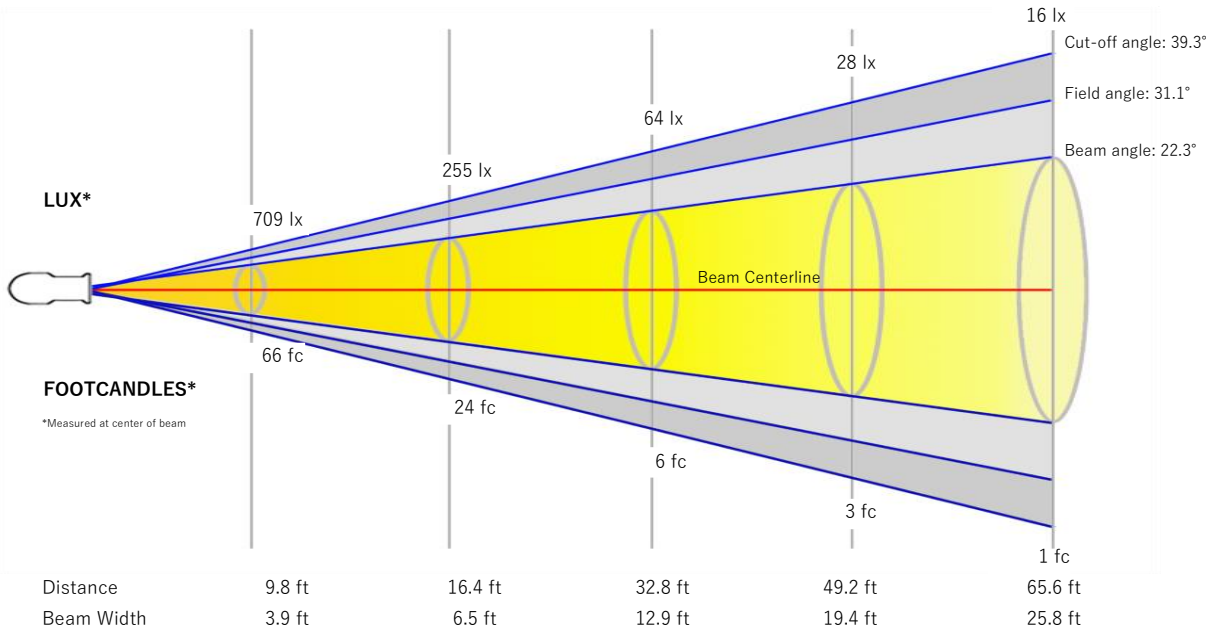
Spectral Power Distribution

Dominant Wavelength 621 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
621	0.727	0.304	0.560	0.351

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.2 m	2 m	3.9 m	5.9 m	7.9 m

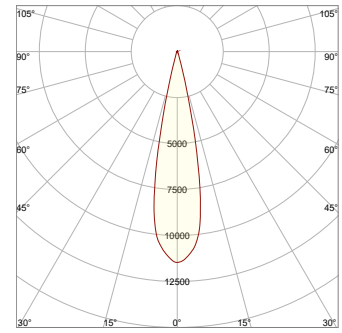
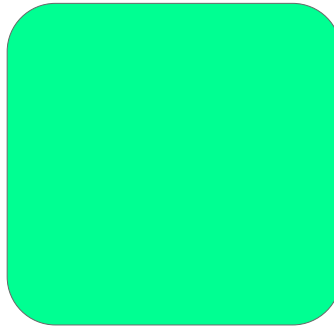


Beam Intensities from 1-20m

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	6377	1594	709	399	255	177	130	100	79	64	53	44	38	33	28	25	22	20	18	16
FC	592.5	148.1	65.8	37	23.7	16.5	12.1	9.3	7.3	5.9	4.9	4.1	3.5	3	2.6	2.3	2.1	1.8	1.6	1.5

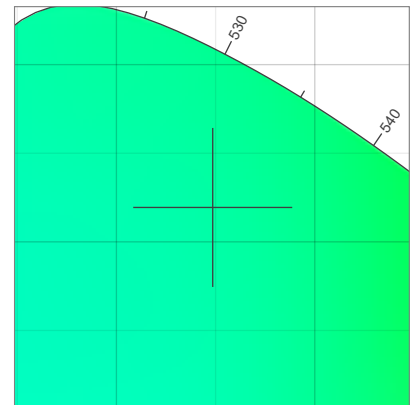
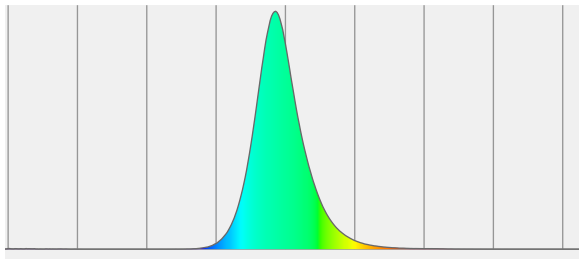
Measurements

Total Lumen Output: 1557 lm
 Peak Intensity: 11428 cd
 Efficacy: 18 Lumen/Watt
 Power: 85.3 W
 Voltage: 118 V, Current: 0.720 A



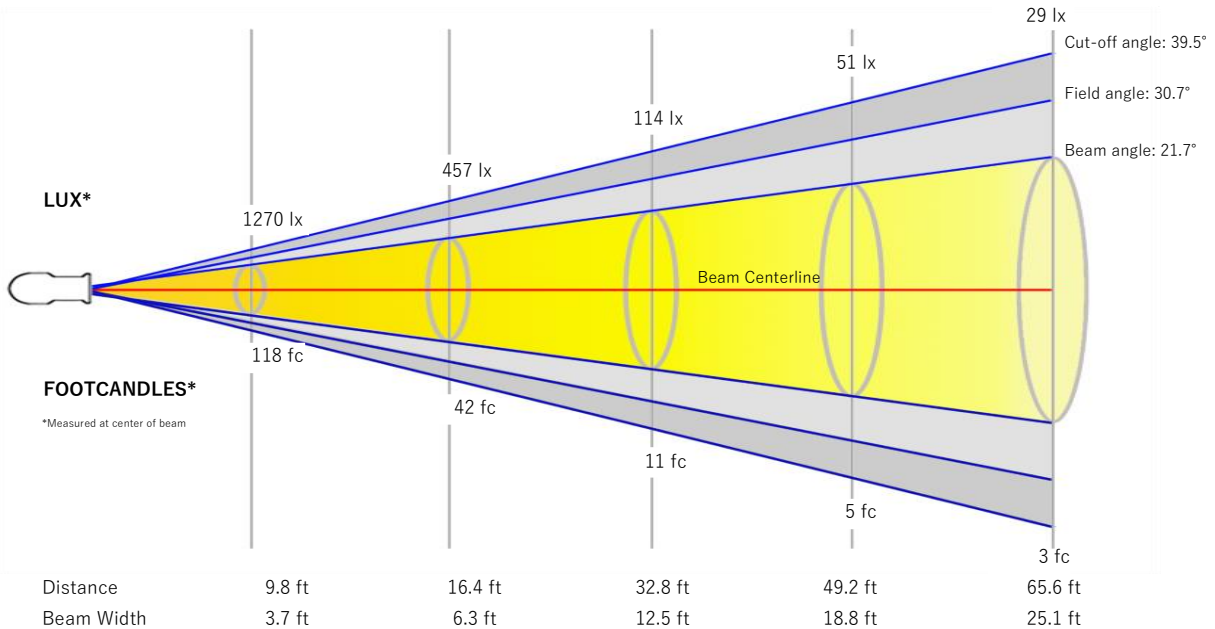
Spectral Power Distribution

Dominant Wavelength 523 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
523	0.149	0.719	0.052	0.381

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.8 m	5.7 m	7.7 m

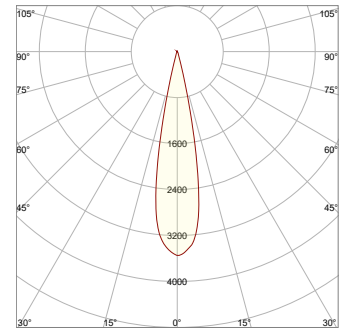
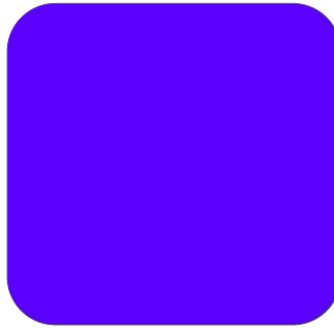


Beam Intensities from 1-20m

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	11428	2857	1270	714	457	317	233	179	141	114	94	79	68	58	51	45	40	35	32	29
FC	1061.7	265.4	118	66.4	42.5	29.5	21.7	16.6	13.1	10.6	8.8	7.4	6.3	5.4	4.7	4.1	3.7	3.3	2.9	2.7

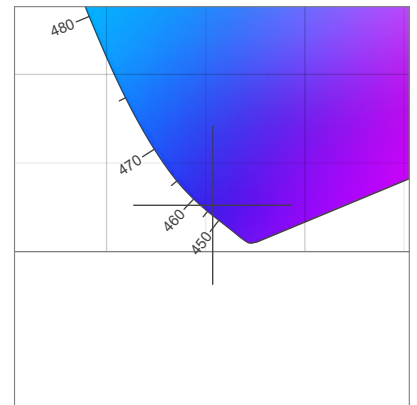
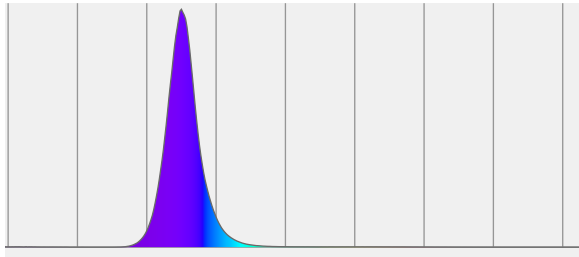
Measurements

Total Lumen Output: 445 lm
 Peak Intensity: 3542 cd
 Efficacy: 4 Lumen/Watt
 Power: 109 W
 Voltage: 119 V, Current: 0.919 A

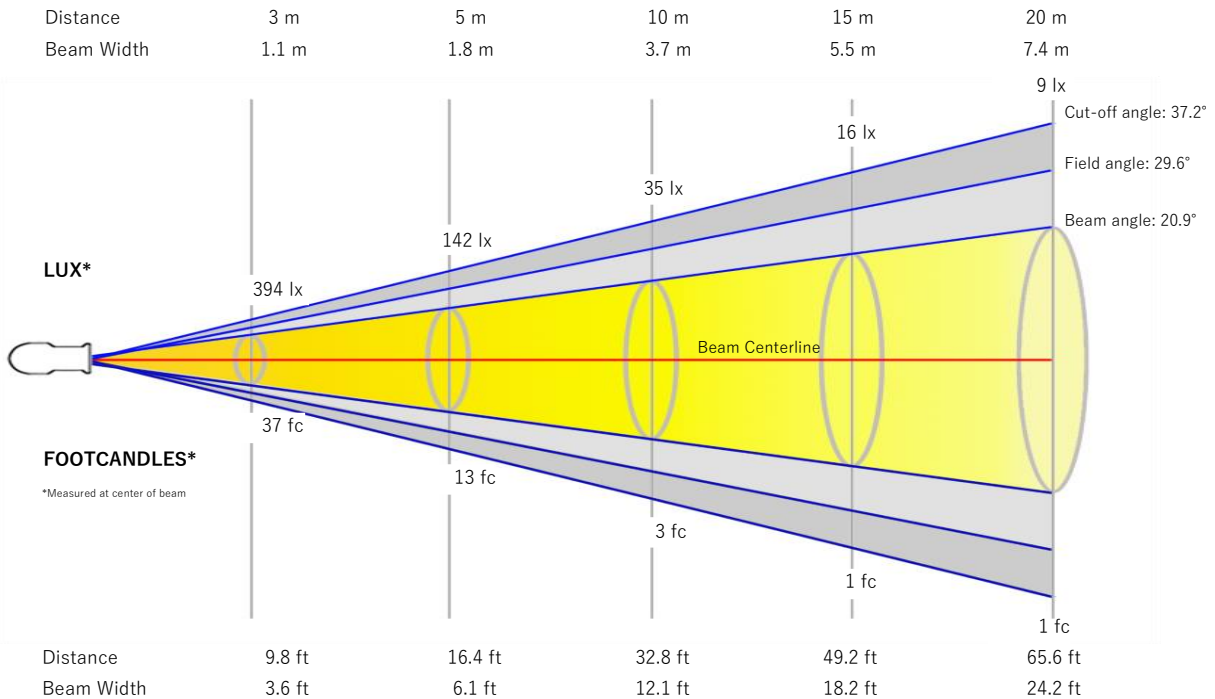


Spectral Power Distribution

Dominant Wavelength 455 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
455	0.154	0.026	0.204	0.052

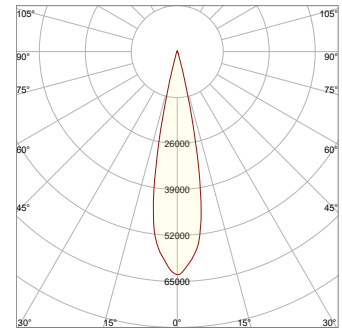
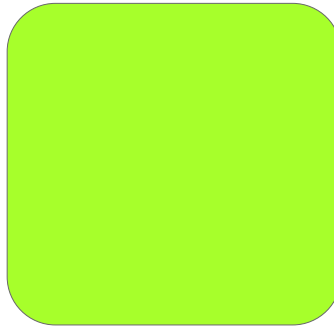


Beam Intensities from 1-20m

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	3542	885	394	221	142	98	72	55	44	35	29	25	21	18	16	14	12	11	10	9
FC	329	82.3	36.6	20.6	13.2	9.1	6.7	5.1	4.1	3.3	2.7	2.3	1.9	1.7	1.5	1.3	1.1	1	0.9	0.8

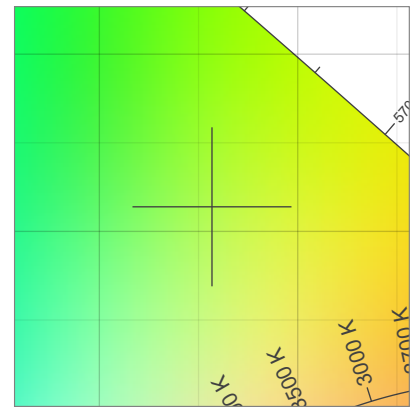
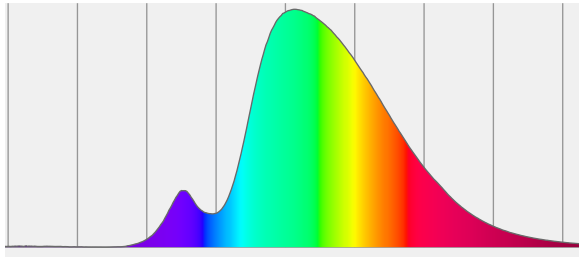
Measurements

Total Lumen Output: 8367 lm
 Peak Intensity: 62996 cd
 Efficacy: 39 Lumen/Watt
 Power: 217 W
 Voltage: 119 V, Current: 1.82 A



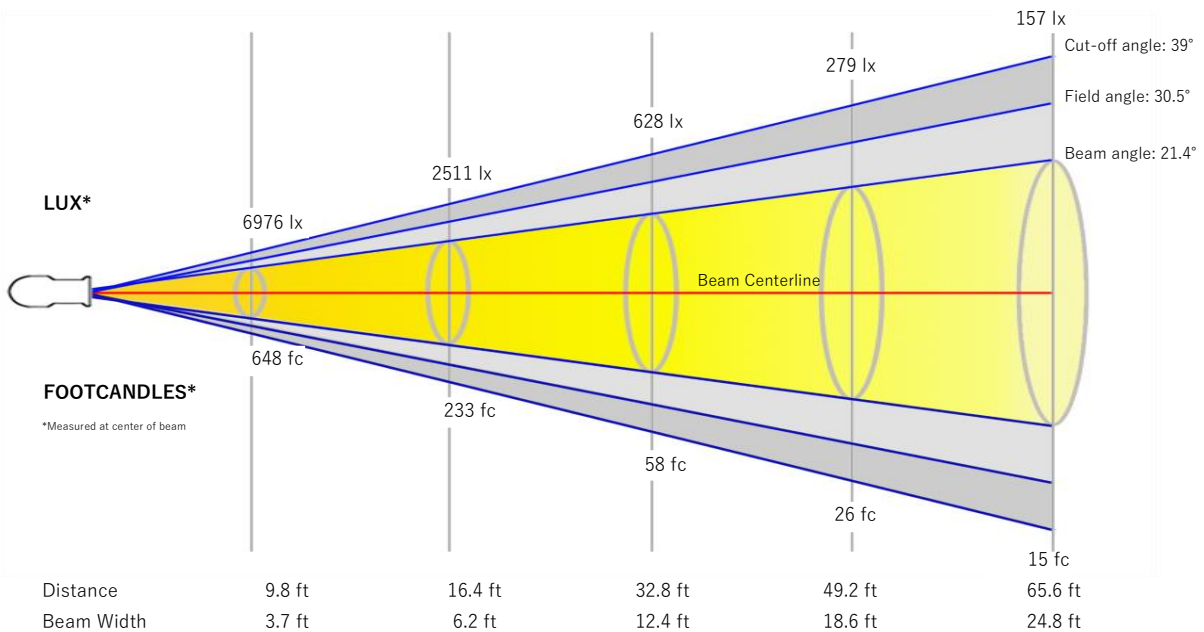
Spectral Power Distribution

Dominant Wavelength 561 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
561	0.357	0.514	0.169	0.365

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	1.1 m	1.9 m	3.8 m	5.7 m	7.6 m

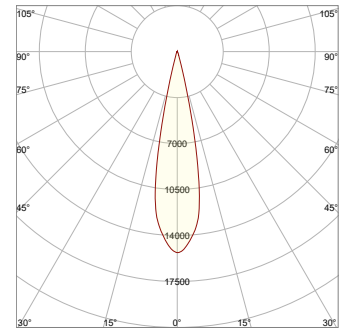
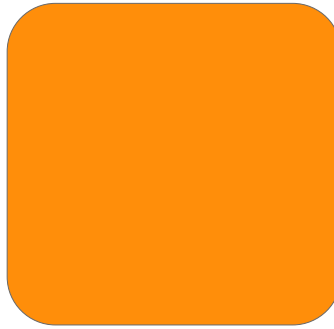


Beam Intensities from 1-20m

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	62787	15697	6976	3924	2511	1744	1281	981	775	628	519	436	372	320	279	245	217	194	174	157
FC	5833.1	1458.3	648.1	364.6	233.3	162	119	91.1	72	58.3	48.2	40.5	34.5	29.8	25.9	22.8	20.2	18	16.2	14.6

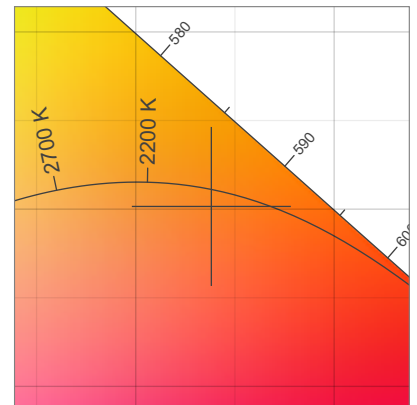
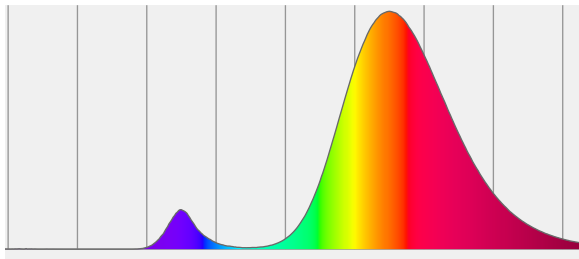
Measurements

Total Lumen Output: 2016 lm
 Peak Intensity: 15289 cd
 Efficacy: n/a Lumen/Watt
 Power: - W
 Voltage: 120 V, Current: 0.000 A

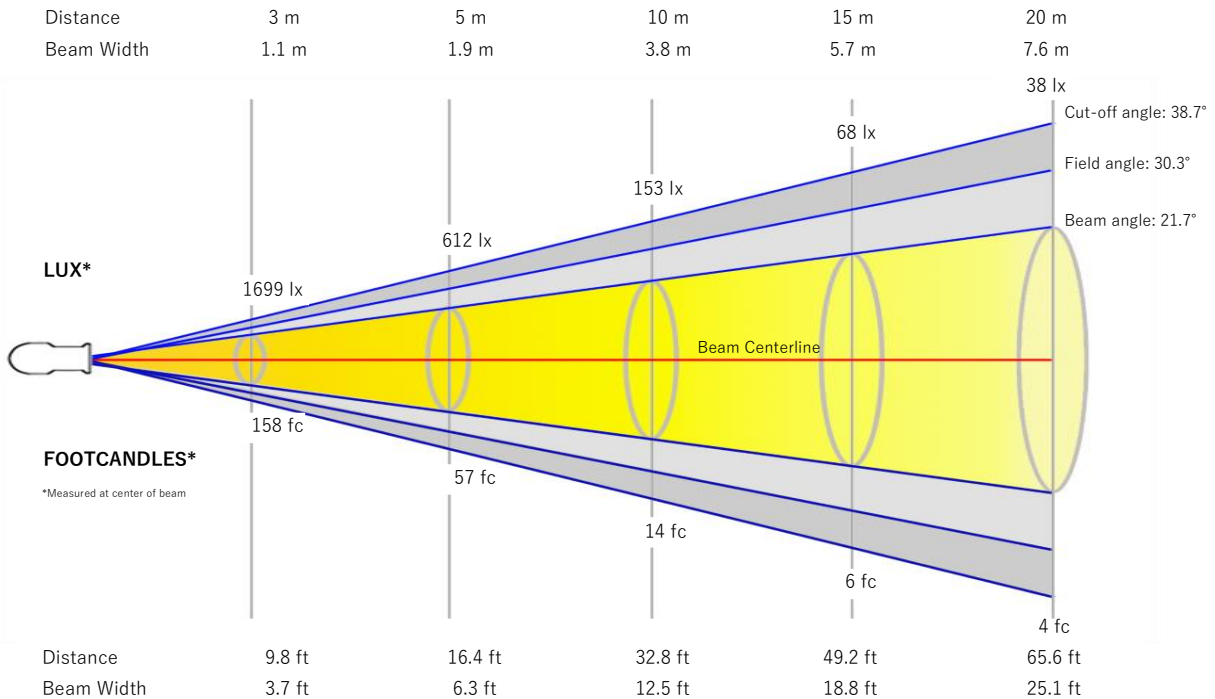


Spectral Power Distribution

Dominant Wavelength 591 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
591	0.538	0.402	0.319	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	15289	3822	1699	956	612	425	312	239	189	153	126	106	90	78	68	60	53	47	42	38
FC	1420.4	355.1	157.8	88.8	56.8	39.5	29	22.2	17.5	14.2	11.7	9.9	8.4	7.2	6.3	5.5	4.9	4.4	3.9	3.6