



SOL I Blinder

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](#)

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Key Measurements

Output

Total Lumen Output: 6919 lm

Peak Intensity: 7647 cd

Beam

Beam Angle (50%): 56,5°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 113,8°

Color

Color Temperature: 5517 K

CRI: 83,9

TLCI: 85

TM30 R_F: 84,0

TM30 R_g: 113,1

Power Details

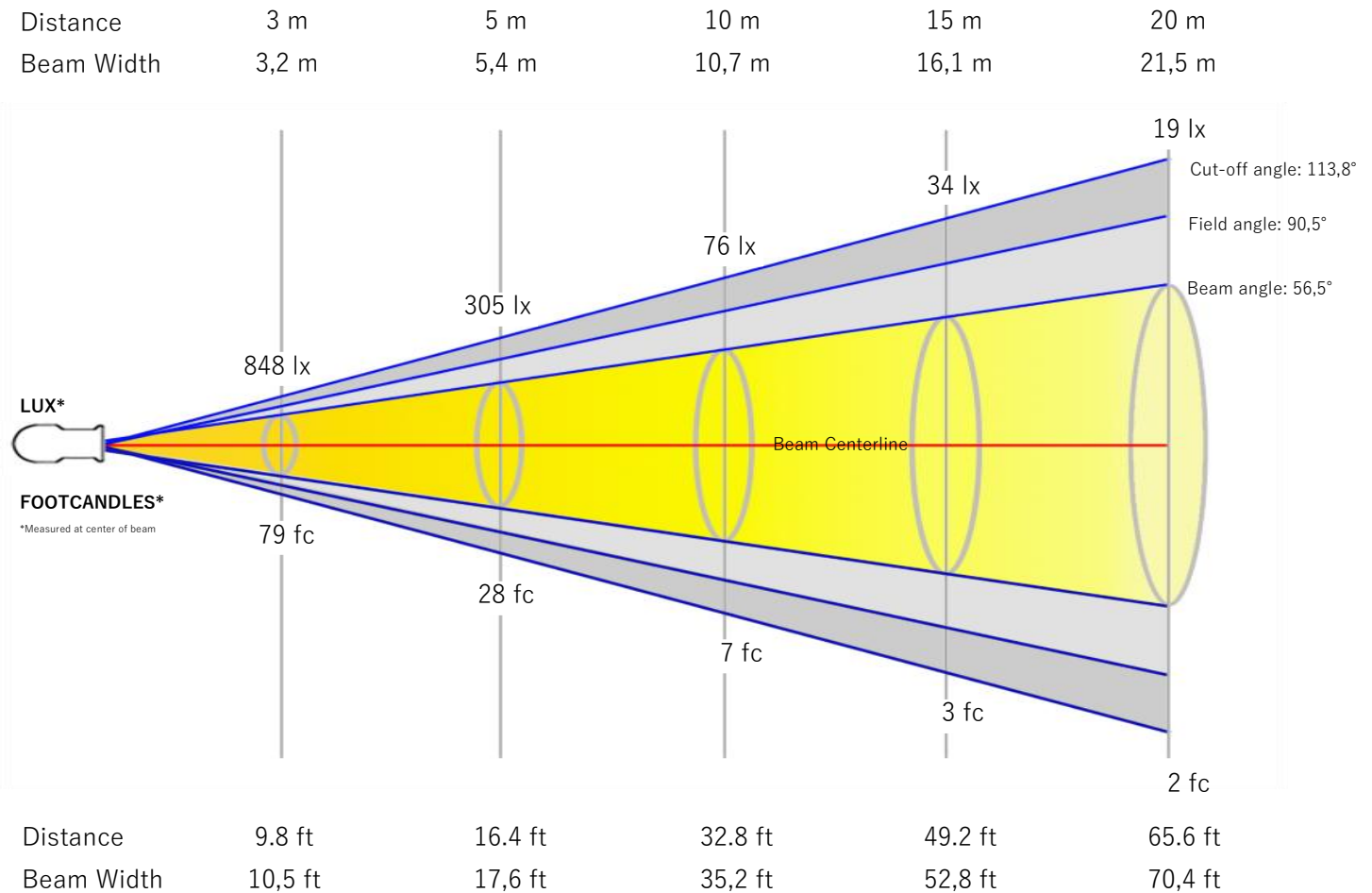
Efficacy: 26 Lumen/Watt

Power: 268,8 W

Supply Voltage: 233 V

Current: 1,16 A

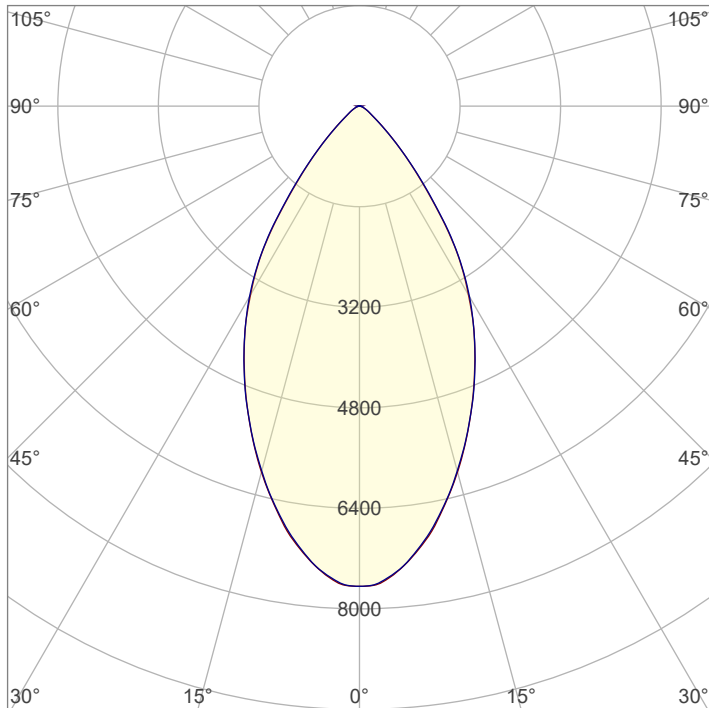
Beam Details



Beam Intensities from 1-20m

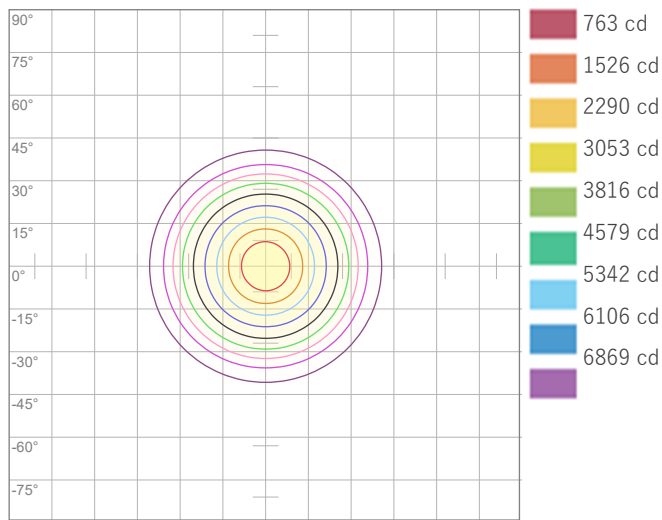
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	7632	1908	848	477	305	212	156	119	94	76	63	53	45	39	34	30	26	24	21	19
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	709	177,3	78,8	44,3	28,4	19,7	14,5	11,1	8,8	7,1	5,9	4,9	4,2	3,6	3,2	2,8	2,5	2,2	2	1,8

Angular Distribution



Beam Angle - 50%
56,5°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
113,8°

ISO Diagrams

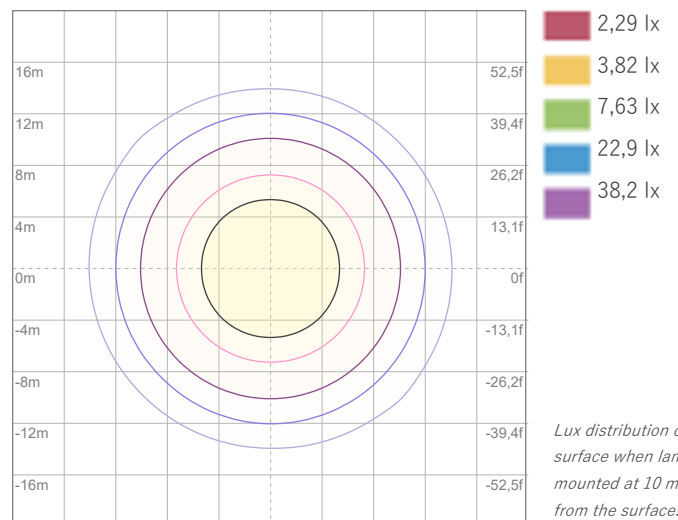


ISO Candela Diagram

Conditions:

Number of c-planes: 8

Candela at center: 7632 cd



ISO LUX Diagram

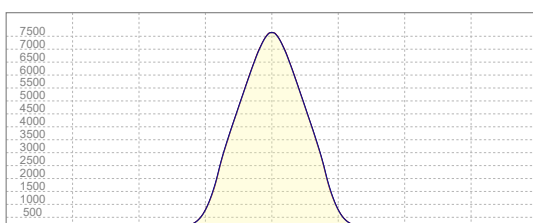
Conditions:

Number of c-planes: 8

LUX at center: 76,3 lx

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

Linear Distribution



Peak Candela
7647 cd

Calculate Center Beam Intensities

$$\text{lux} = 7647 / \text{distance(m)}^2$$

$$\text{fc} = 7647 / \text{distance(ft)}^2$$

Measurement Date: 17/09/2026

Key Measurements

Output

Total Lumen Output: 6767 lm

Peak Intensity: 7473 cd

Beam

Beam Angle (50%): 56,6°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 113,4°

Color

Color Temperature: 2691 K

CRI: 90,9

TLCI: 80

TM30 R_F: 88,1

TM30 R_g: 103,5

Power Details

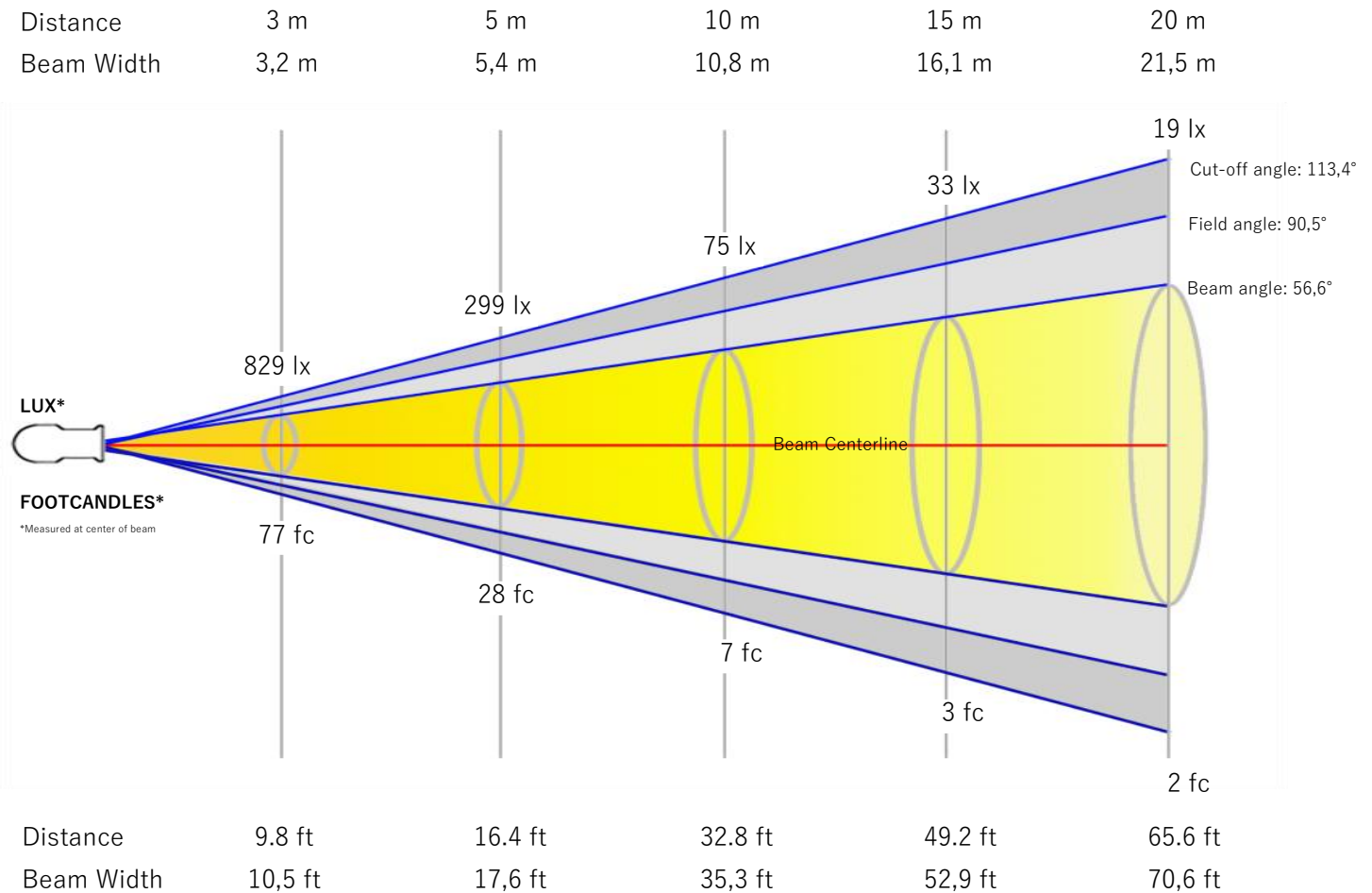
Efficacy: 57 Lumen/Watt

Power: 118,7 W

Supply Voltage: 234 V

Current: 0,531 A

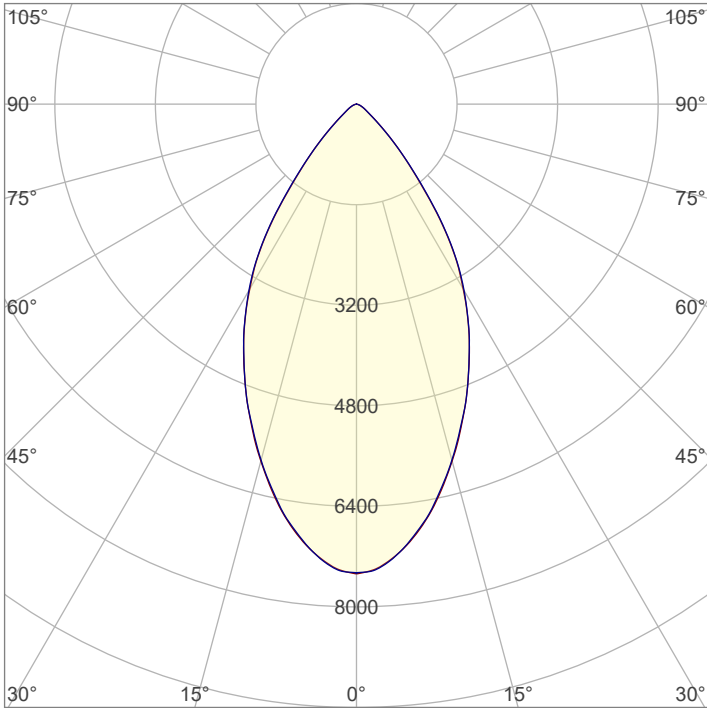
Beam Details



Beam Intensities from 1-20m

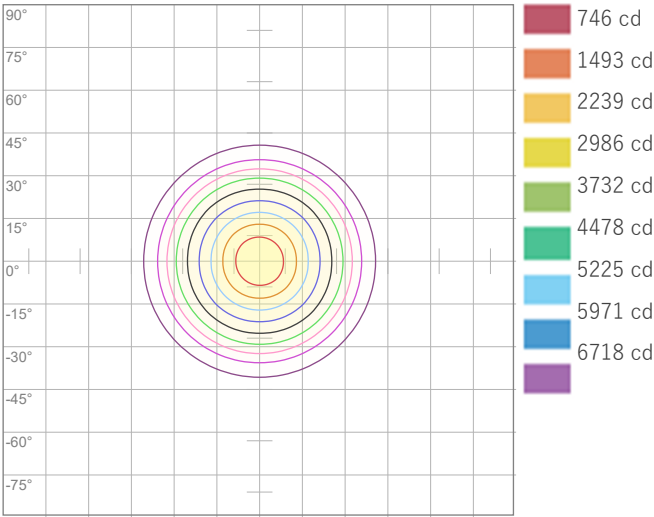
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	7464	1866	829	466	299	207	152	117	92	75	62	52	44	38	33	29	26	23	21	19
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	693,4	173,4	77	43,3	27,7	19,3	14,2	10,8	8,6	6,9	5,7	4,8	4,1	3,5	3,1	2,7	2,4	2,1	1,9	1,7

Angular Distribution



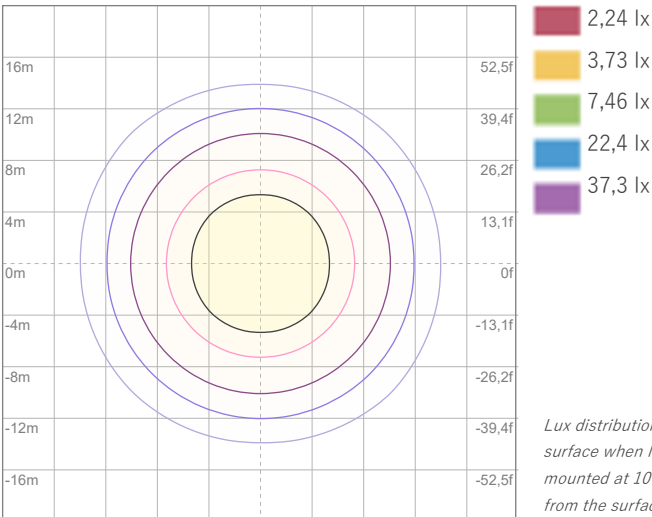
Beam Angle - 50%
56,6°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
113,4°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 7464 cd

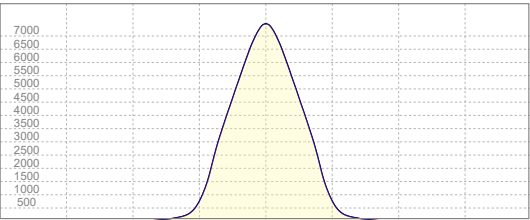


ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 74,6 lx

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

Linear Distribution



Peak Candela
7473 cd

Calculate Center Beam Intensities
 $lux = 7473 / distance(m)^2$
 $fc = 7473 / distance(ft)^2$

Key Measurements

Output

Total Lumen Output: 7870 lm

Peak Intensity: 8654 cd

Beam

Beam Angle (50%): 56,6°

Field Angle (10%): 90,7°

Cutoff Angle (2.5%): 114,1°

Color

Color Temperature: 3196 K

CRI: 91,7

TLCI: 87

TM30 R_F: 90,9

TM30 R_g: 102,9

Power Details

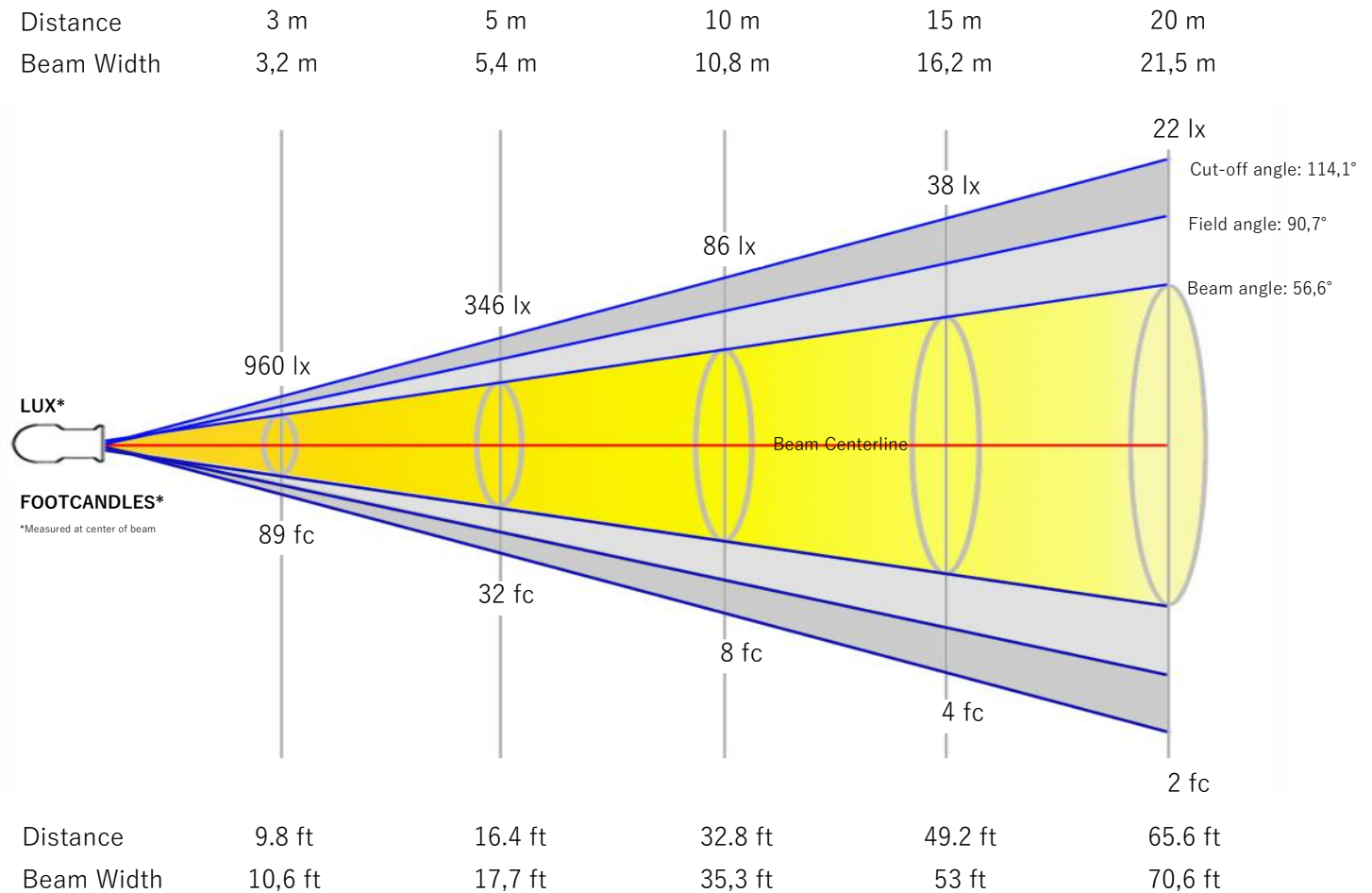
Efficacy: 39 Lumen/Watt

Power: 199,6 W

Supply Voltage: 234 V

Current: 0,867 A

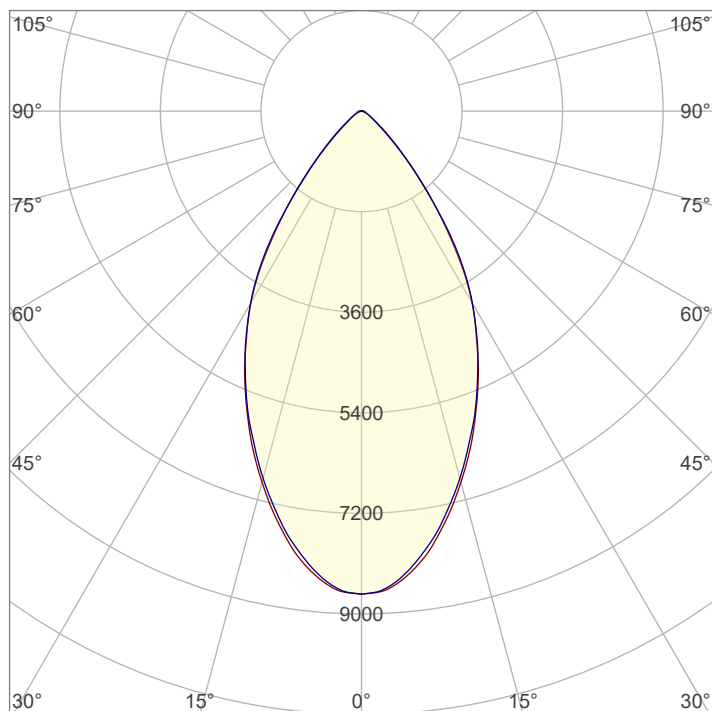
Beam Details



Beam Intensities from 1-20m

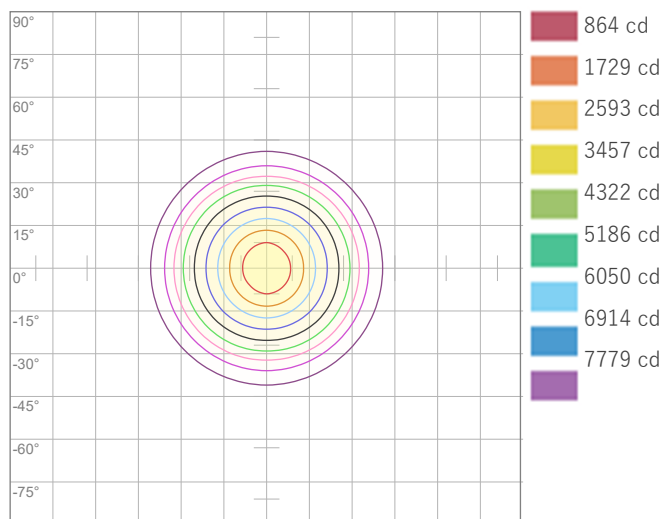
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	8643	2161	960	540	346	240	176	135	107	86	71	60	51	44	38	34	30	27	24	22
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	803	200,7	89,2	50,2	32,1	22,3	16,4	12,5	9,9	8	6,6	5,6	4,8	4,1	3,6	3,1	2,8	2,5	2,2	2

Angular Distribution



Beam Angle - 50%
56,6°
Field Angle - 10%
90,7°
Cutoff Angle - 2.5%
114,1°

ISO Diagrams

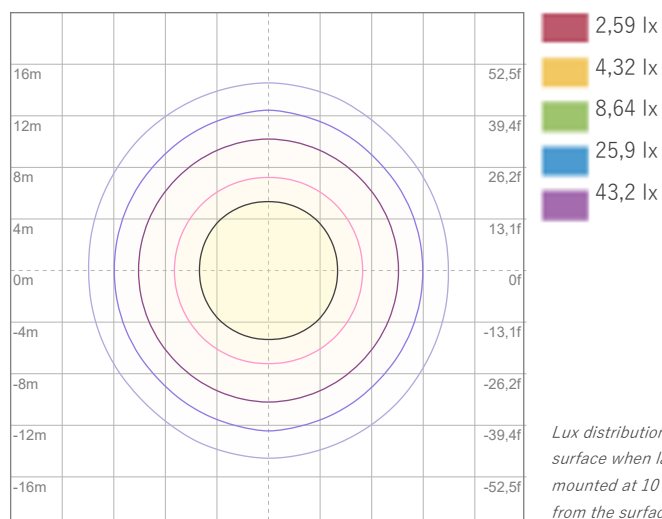


ISO Candela Diagram

Conditions:

Number of c-planes: 8

Candela at center: 8643 cd



ISO LUX Diagram

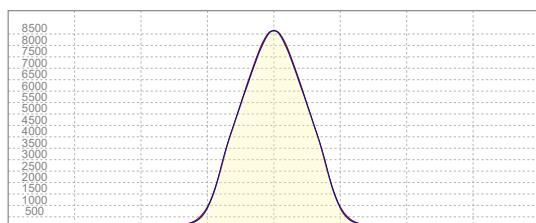
Conditions:

Number of c-planes: 8

LUX at center: 86,4 lx

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

Linear Distribution



Peak Candela
8654 cd

Calculate Center Beam Intensities

$$\text{lux} = 8654 / \text{distance(m)}^2$$

$$\text{fc} = 8654 / \text{distance(ft)}^2$$

Measurement Date: 17/09/2026

Key Measurements

Output

Total Lumen Output: 5032 lm

Peak Intensity: 5567 cd

Beam

Beam Angle (50%): 56,5°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 113,4°

Color

Color Temperature: 5612 K

CRI: 84,3

TLCI: 78

TM30 R_F: 85,0

TM30 R_g: 100,0

Power Details

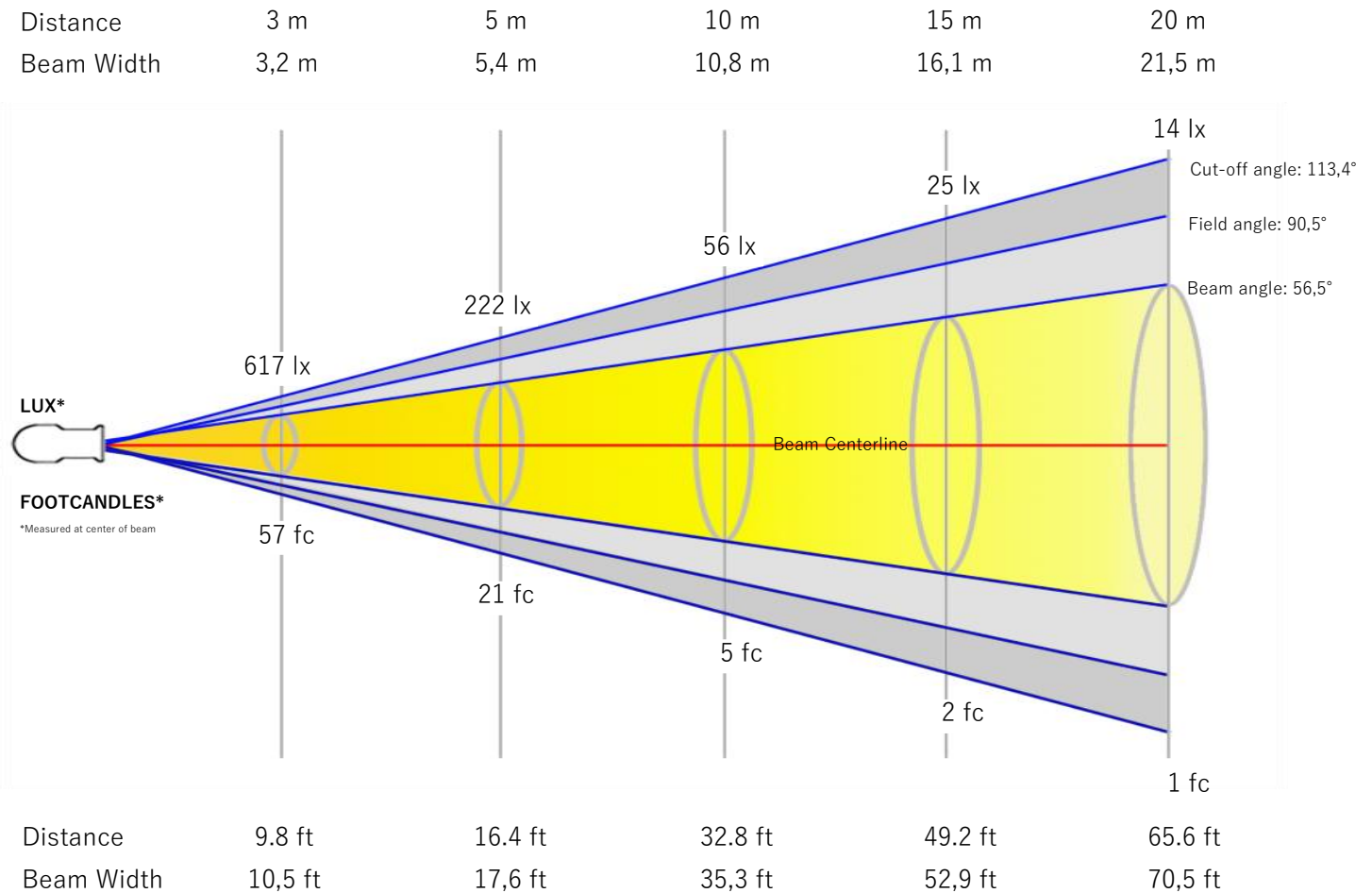
Efficacy: 38 Lumen/Watt

Power: 131,1 W

Supply Voltage: 234 V

Current: 0,580 A

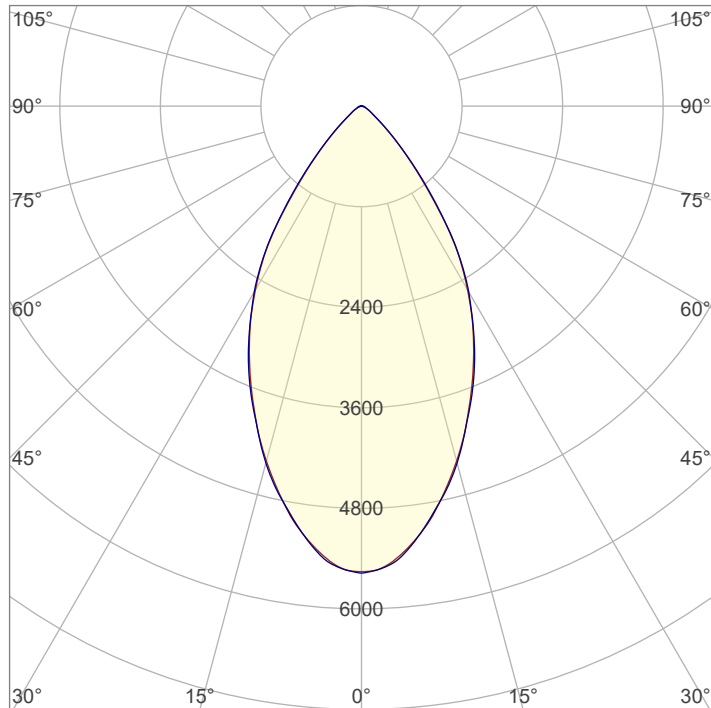
Beam Details



Beam Intensities from 1-20m

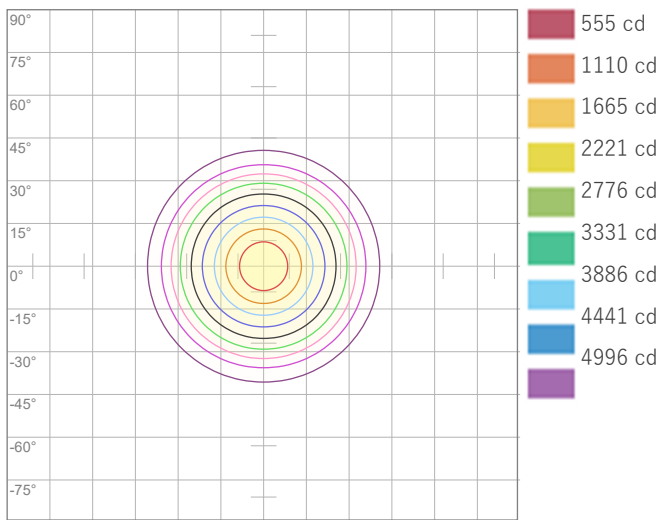
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	5551	1388	617	347	222	154	113	87	69	56	46	39	33	28	25	22	19	17	15	14
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	515,7	128,9	57,3	32,2	20,6	14,3	10,5	8,1	6,4	5,2	4,3	3,6	3,1	2,6	2,3	2	1,8	1,6	1,4	1,3

Angular Distribution



Beam Angle - 50%
56,5°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
113,4°

ISO Diagrams

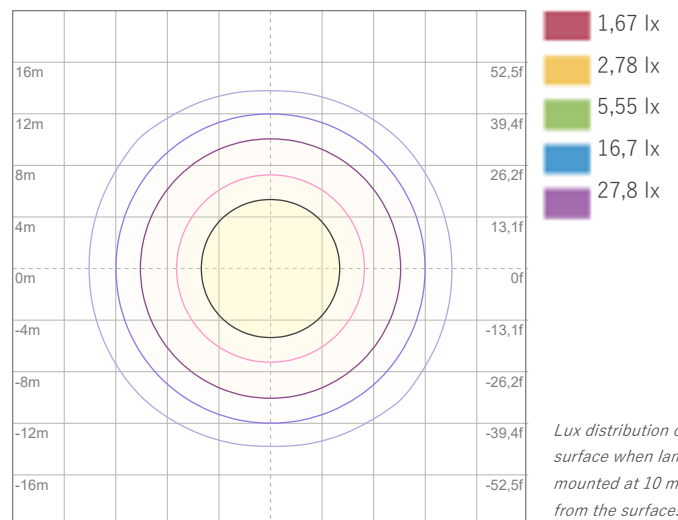


ISO Candela Diagram

Conditions:

Number of c-planes: 8

Candela at center: 5551 cd



ISO LUX Diagram

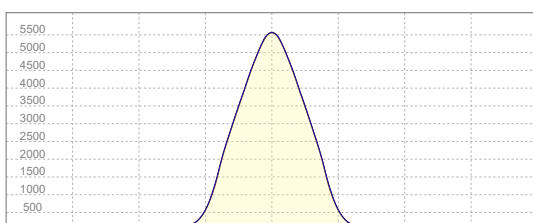
Conditions:

Number of c-planes: 8

LUX at center: 55,5 lx

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

Linear Distribution



Peak Candela
5567 cd

Calculate Center Beam Intensities

$$\text{lux} = 5567 / \text{distance(m)}^2$$

$$\text{fc} = 5567 / \text{distance(ft)}^2$$

Measurement Date: 17/09/2026

Key Measurements

Output

Total Lumen Output: 7837 lm

Peak Intensity: 8620 cd

Beam

Beam Angle (50%): 56,5°

Field Angle (10%): 90,7°

Cutoff Angle (2.5%): 114°

Color

Color Temperature: 6500 K

CRI: 82,6

TLCI: 72

TM30 R_F: 83,3

TM30 R_g: 98,5

Power Details

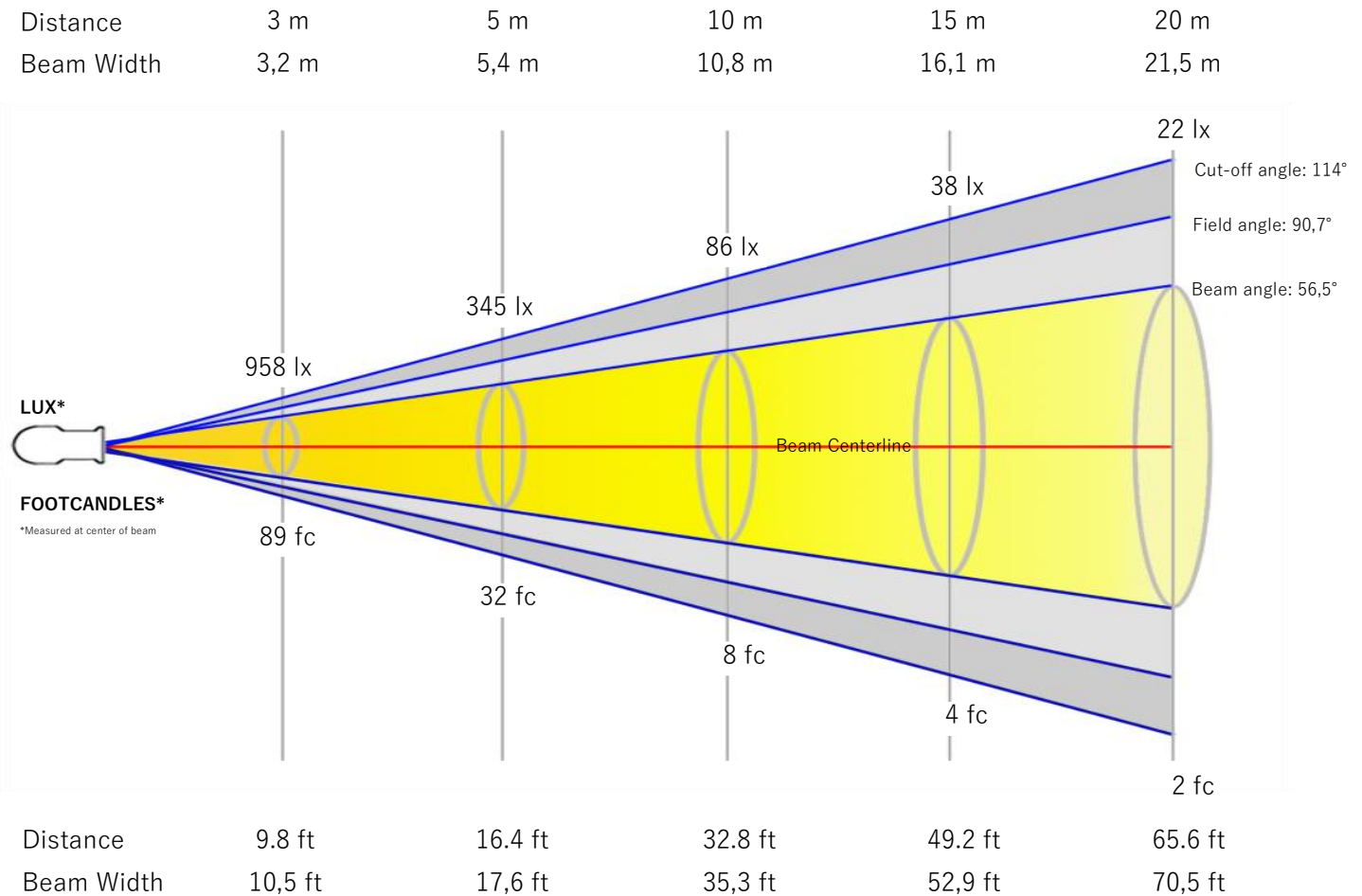
Efficacy: 36 Lumen/Watt

Power: 217,3 W

Supply Voltage: 235 V

Current: 0,934 A

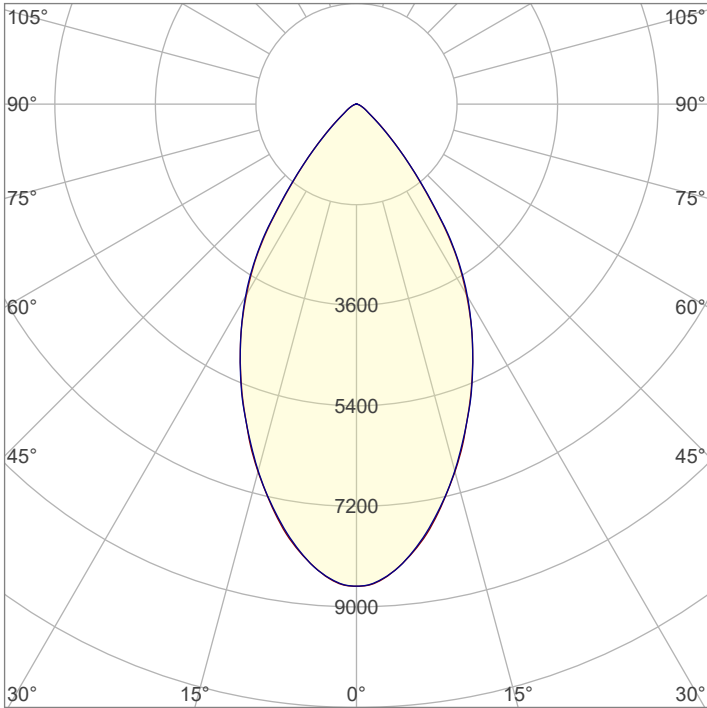
Beam Details



Beam Intensities from 1-20m

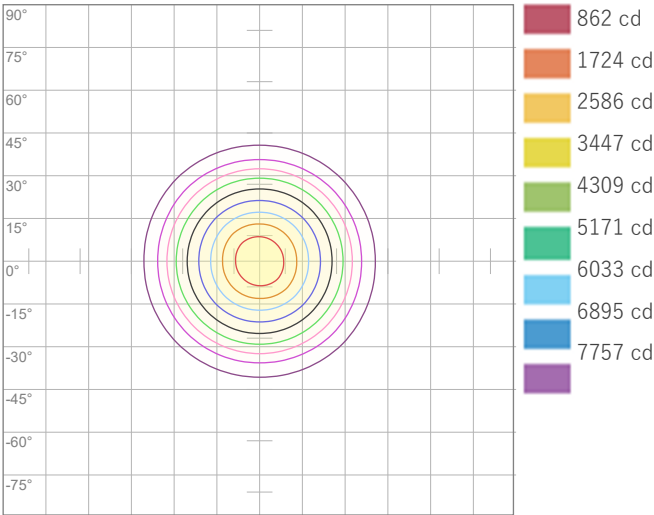
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	8618	2155	958	539	345	239	176	135	106	86	71	60	51	44	38	34	30	27	24	22
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	800,7	200,2	89	50	32	22,2	16,3	12,5	9,9	8	6,6	5,6	4,7	4,1	3,6	3,1	2,8	2,5	2,2	2

Angular Distribution



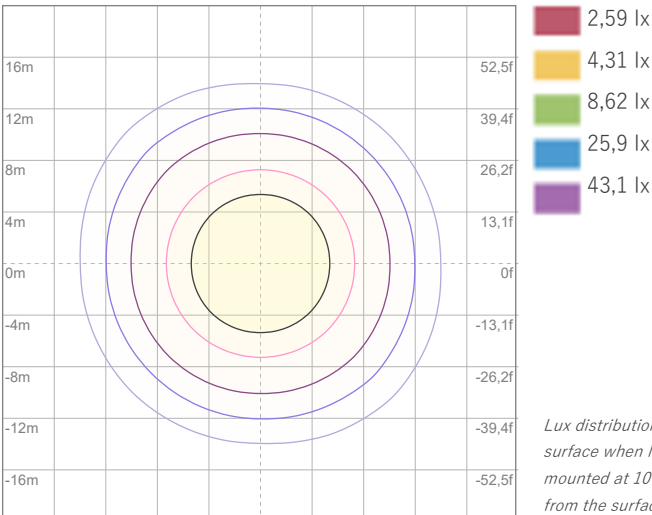
Beam Angle - 50%
56,5°
Field Angle - 10%
90,7°
Cutoff Angle - 2.5%
114°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 8618 cd

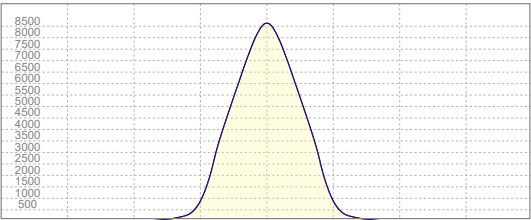


ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 86,2 lx

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

Linear Distribution



Peak Candela
8620 cd

Calculate Center Beam Intensities
 $lux = 8620 / distance(m)^2$
 $fc = 8620 / distance(ft)^2$

Key Measurements

Output

Total Lumen Output: 8053 lm

Peak Intensity: 8797 cd

Beam

Beam Angle (50%): 57,1°

Field Angle (10%): 90,9°

Cutoff Angle (2.5%): 114,5°

Color

Color Temperature: 7853 K

CRI: 82,7

TLCI: 72

TM30 R_F: 82,9

TM30 R_g: 97,6

Power Details

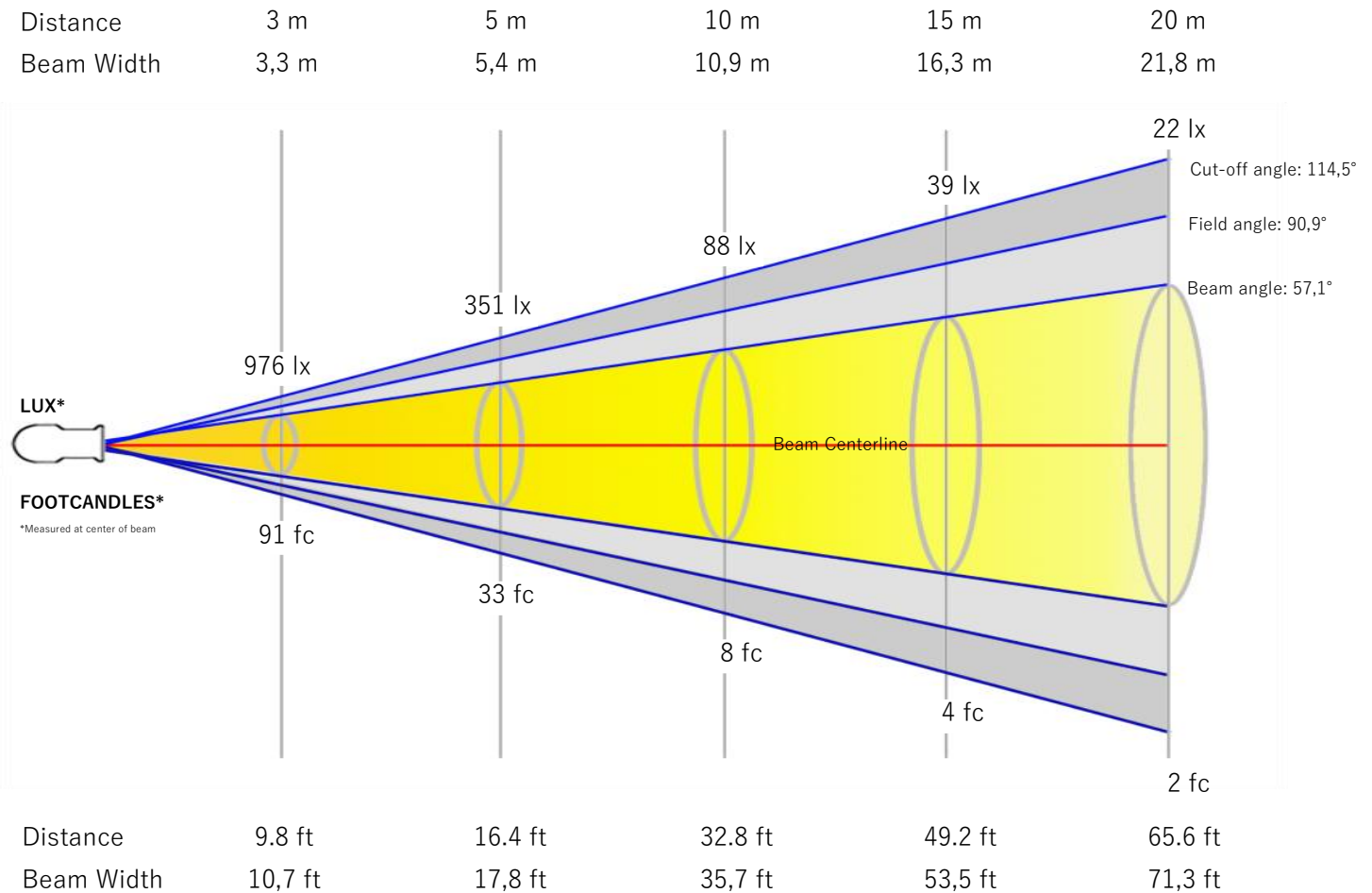
Efficacy: 39 Lumen/Watt

Power: 208,8 W

Supply Voltage: 235 V

Current: 0,901 A

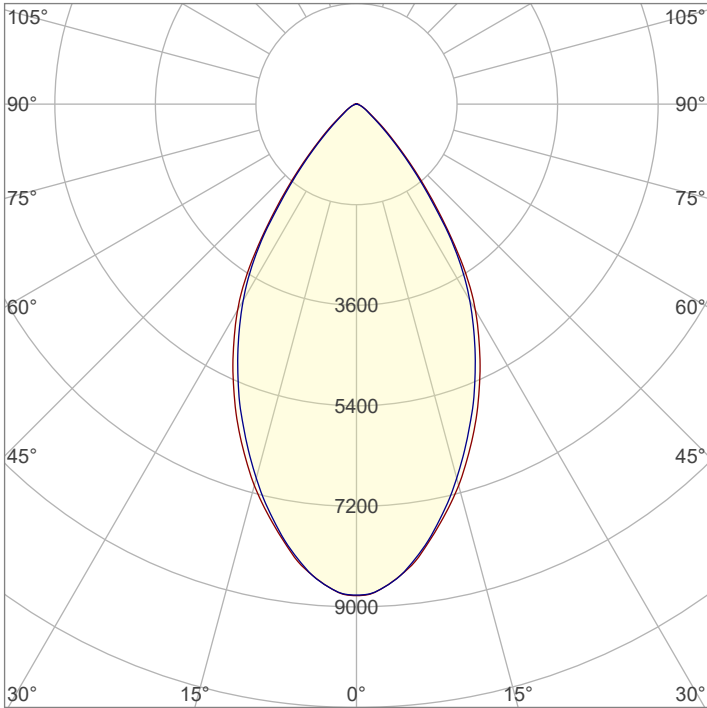
Beam Details



Beam Intensities from 1-20m

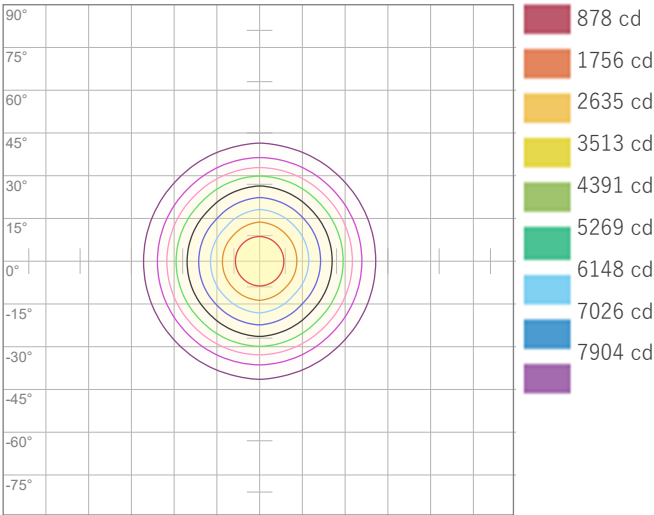
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	8782	2196	976	549	351	244	179	137	108	88	73	61	52	45	39	34	30	27	24	22
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	815,9	204	90,7	51	32,6	22,7	16,7	12,7	10,1	8,2	6,7	5,7	4,8	4,2	3,6	3,2	2,8	2,5	2,3	2

Angular Distribution



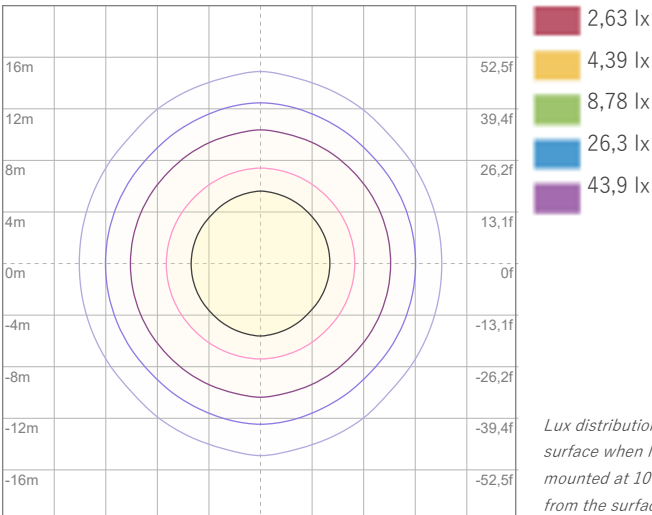
Beam Angle - 50%
57,1°
Field Angle - 10%
90,9°
Cutoff Angle - 2.5%
114,5°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 8782 cd

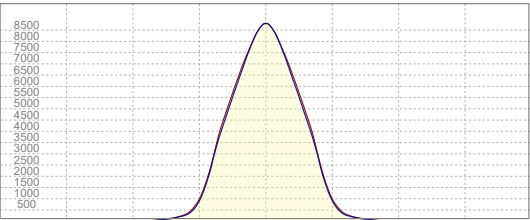


ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 87,8 lx

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

Linear Distribution



Peak Candela
8797 cd

Calculate Center Beam Intensities

$$\text{lux} = 8797 / \text{distance(m)}^2$$
$$\text{fc} = 8797 / \text{distance(ft)}^2$$

Key Measurements

Output

Total Lumen Output: 2672 lm

Peak Intensity: 2945 cd

Beam

Beam Angle (50%): 56,7°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 113,8°

Color

Color Temperature: 2729 K

CRI: 90,4

TLCI: 75

TM30 R_F: 87,0

TM30 R_g: 103,5

Power Details

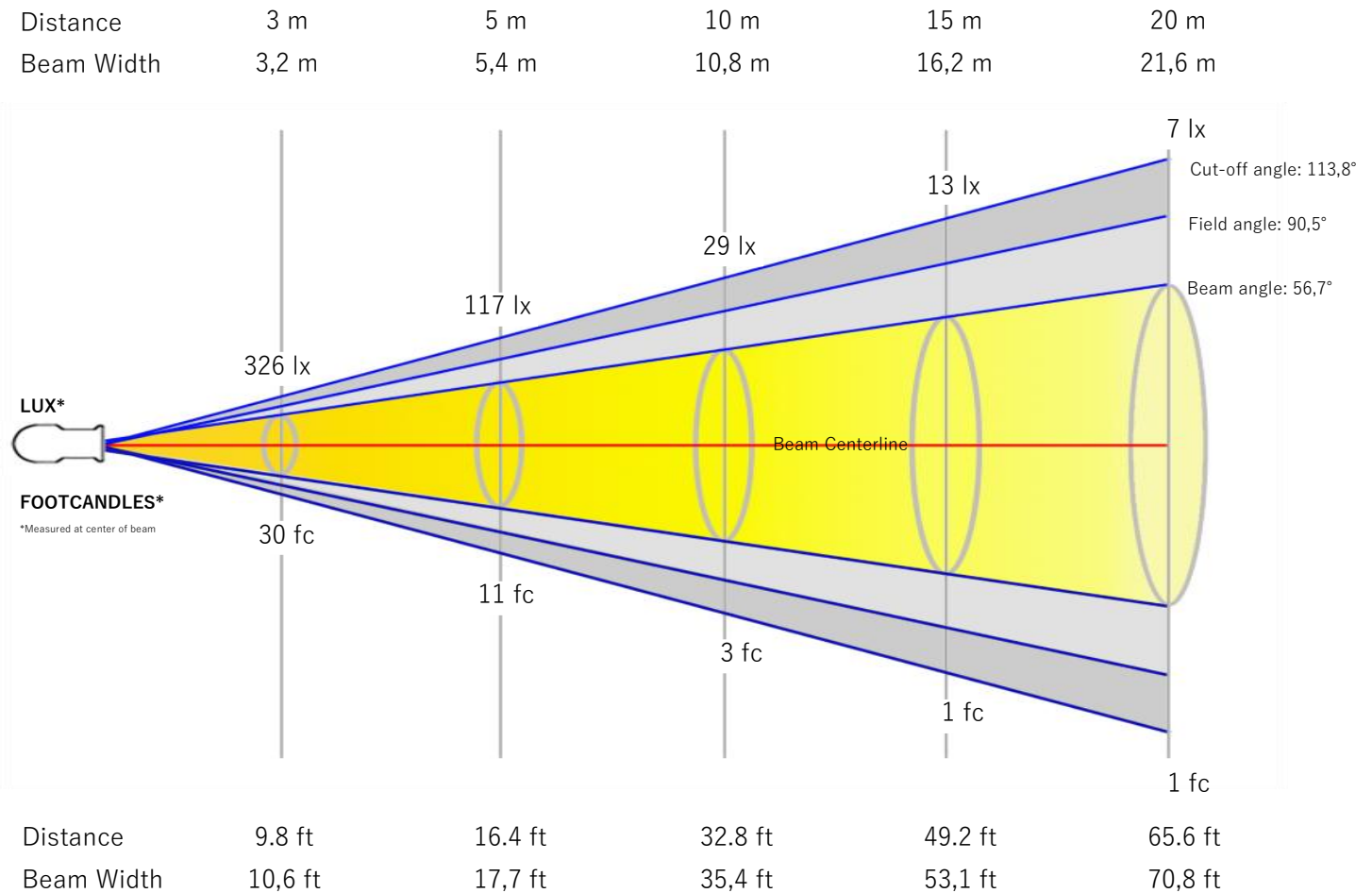
Efficacy: 43 Lumen/Watt

Power: 62,2 W

Supply Voltage: 232 V

Current: 0,311 A

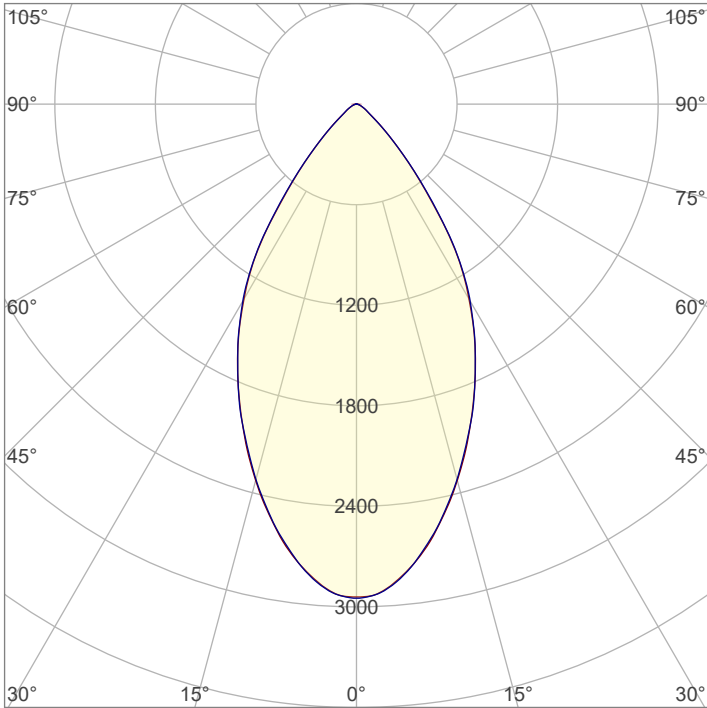
Beam Details



Beam Intensities from 1-20m

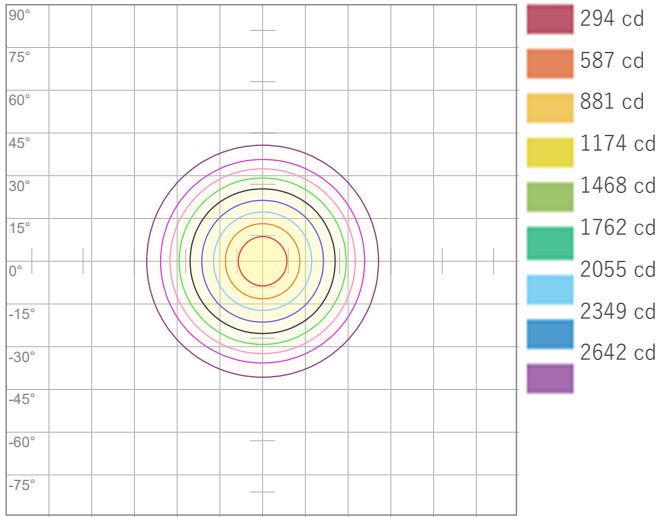
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	2936	734	326	183	117	82	60	46	36	29	24	20	17	15	13	11	10	9	8	7
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	272,8	68,2	30,3	17	10,9	7,6	5,6	4,3	3,4	2,7	2,3	1,9	1,6	1,4	1,2	1,1	0,9	0,8	0,8	0,7

Angular Distribution

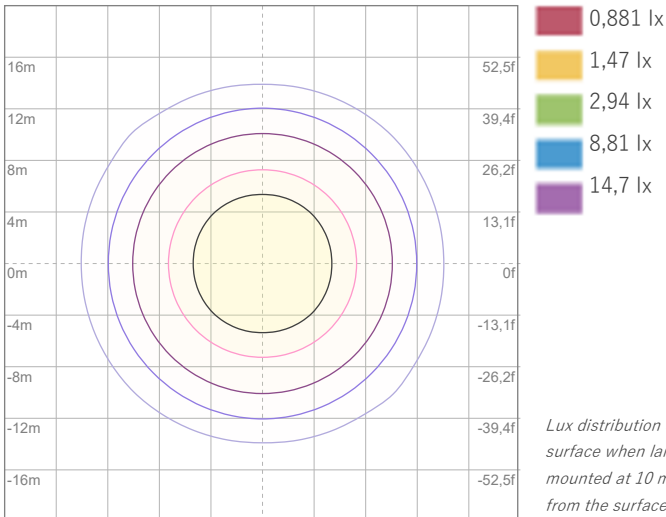


Beam Angle - 50%
56,7°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
113,8°

ISO Diagrams



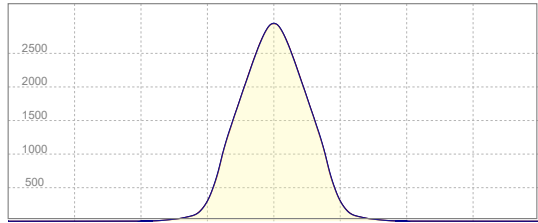
Conditions:
Number of c-planes: 8
Candela at center: 2936 cd



Conditions:
Number of c-planes: 8
LUX at center: 29,4 lx

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

Linear Distribution



Peak Candela
2945 cd

Calculate Center Beam Intensities
 $lux = 2945 / distance(m)^2$
 $fc = 2945 / distance(ft)^2$

Key Measurements

Output

Total Lumen Output: 2559 lm

Peak Intensity: 2826 cd

Beam

Beam Angle (50%): 56,5°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 113,6°

Color

Color Temperature: 3168 K

CRI: 93,3

TLCI: 83

TM30 R_F: 91,1

TM30 R_g: 104,3

Power Details

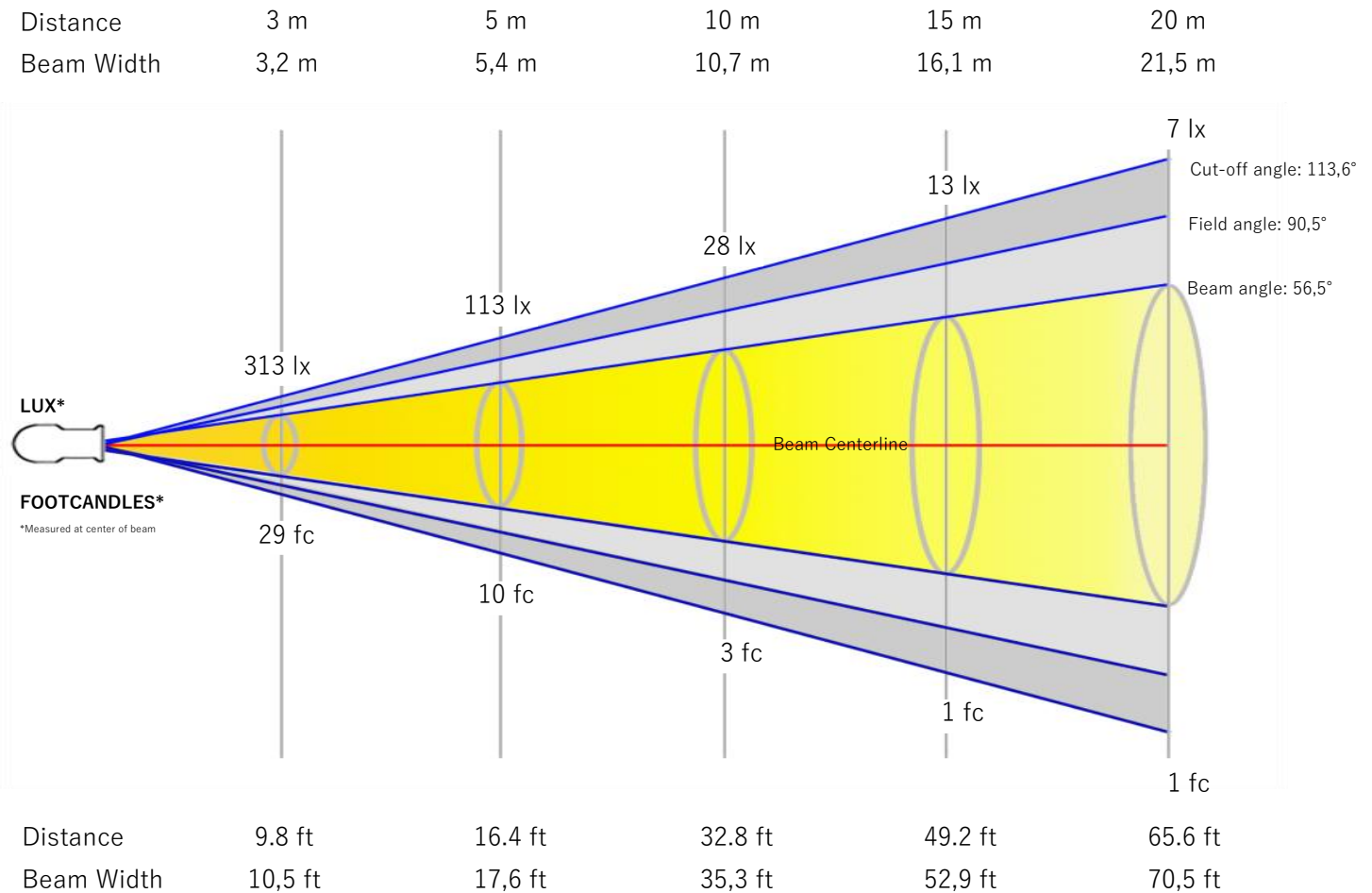
Efficacy: 41 Lumen/Watt

Power: 63,0 W

Supply Voltage: 232 V

Current: 0,315 A

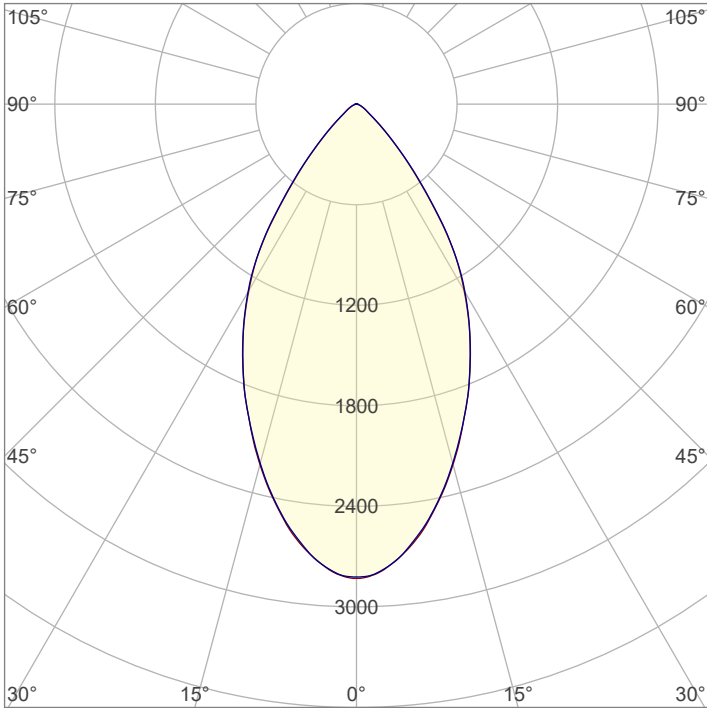
Beam Details



Beam Intensities from 1-20m

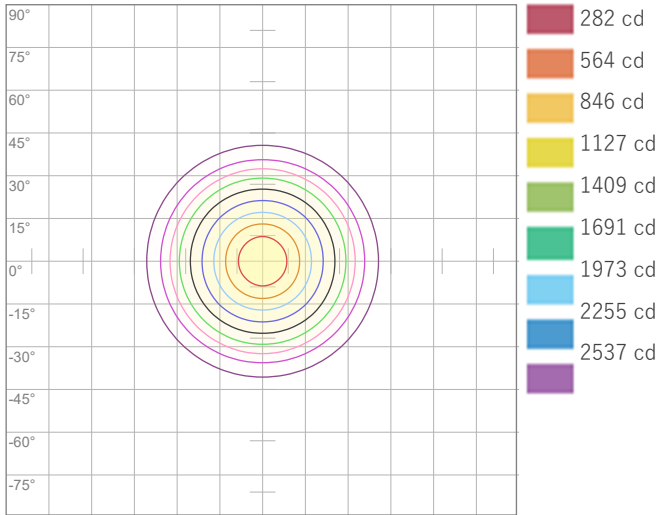
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	2819	705	313	176	113	78	58	44	35	28	23	20	17	14	13	11	10	9	8	7
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	261,9	65,5	29,1	16,4	10,5	7,3	5,3	4,1	3,2	2,6	2,2	1,8	1,5	1,3	1,2	1	0,9	0,8	0,7	0,7

Angular Distribution



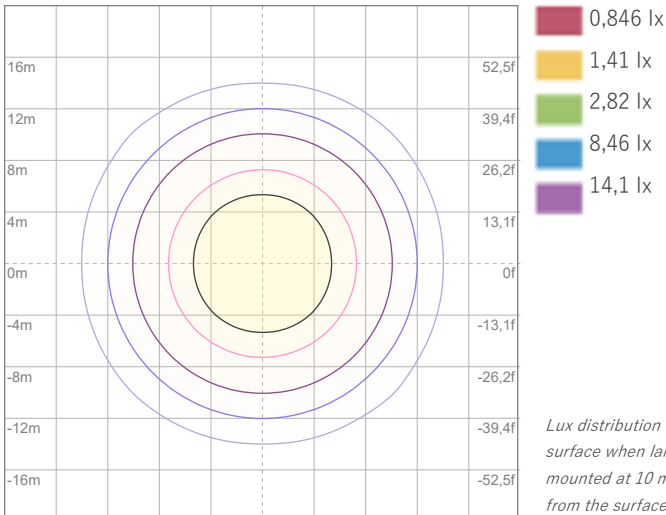
Beam Angle - 50%
56,5°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
113,6°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 2819 cd

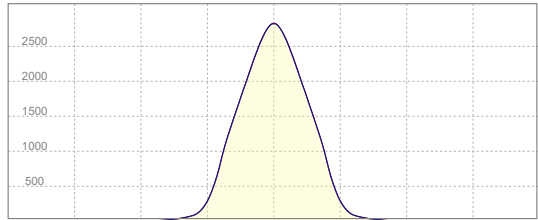


ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 28,2 lx

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

Linear Distribution



Peak Candela
2826 cd

Calculate Center Beam Intensities

$$\text{lux} = 2826 / \text{distance(m)}^2$$
$$\text{fc} = 2826 / \text{distance(ft)}^2$$

Key Measurements

Output

Total Lumen Output: 2459 lm

Peak Intensity: 2716 cd

Beam

Beam Angle (50%): 56,4°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 114,1°

Color

Color Temperature: 5646 K

CRI: 84,1

TLCI: 74

TM30 R_F : 84,3

TM30 R_g: 100,7

Power Details

Efficacy: 40 Lumen/Watt

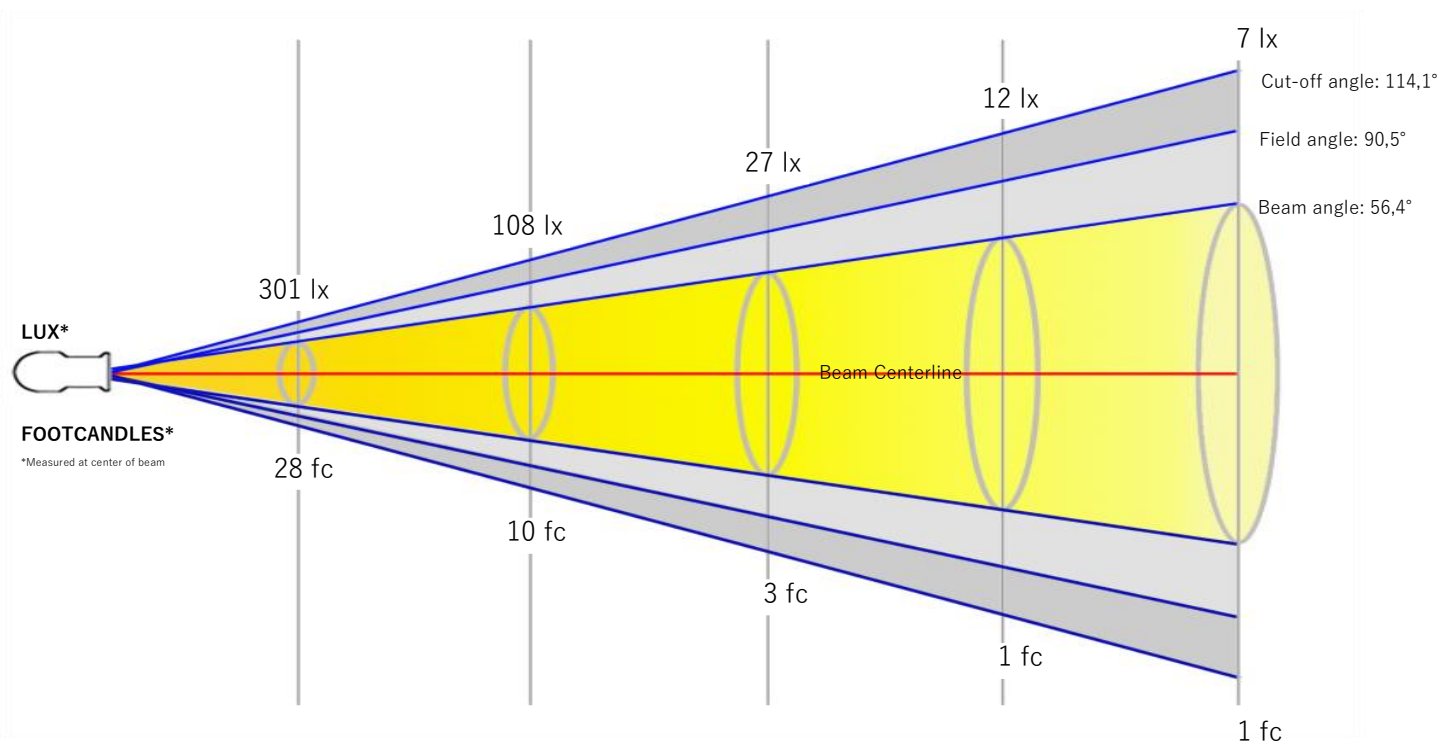
Power: 61,7 W

Supply Voltage: 232 V

Current: 0,309 A

Beam Details

Distance	3 m	5 m	10 m	15 m	20 m
Beam Width	3,2 m	5,4 m	10,7 m	16,1 m	21,4 m

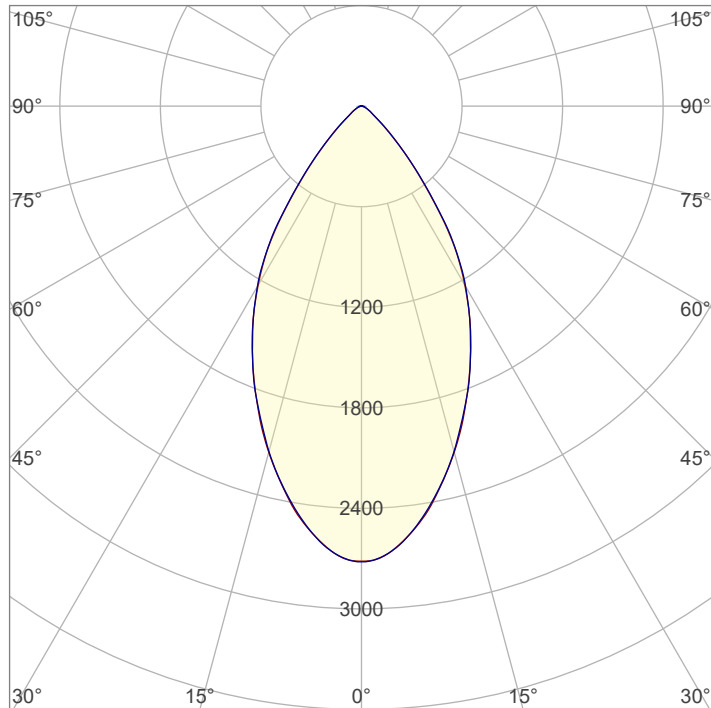


Distance	9.8 ft	16.4 ft	32.8 ft	49.2 ft	65.6 ft
Beam Width	10,5 ft	17,6 ft	35,2 ft	52,7 ft	70,3 ft

Beam Intensities from 1-20m

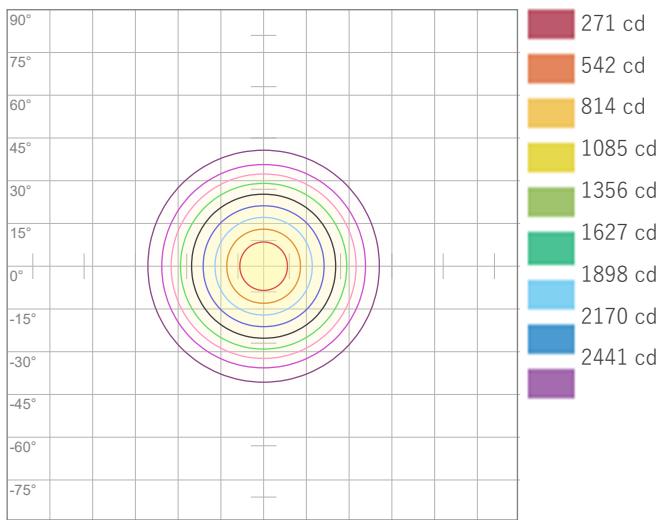
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	2712	678	301	170	108	75	55	42	33	27	22	19	16	14	12	11	9	8	8	7
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	252	63	28	15,7	10,1	7	5,1	3,9	3,1	2,5	2,1	1,7	1,5	1,3	1,1	1	0,9	0,8	0,7	0,6

Angular Distribution



Beam Angle - 50%
56,4°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
114,1°

ISO Diagrams

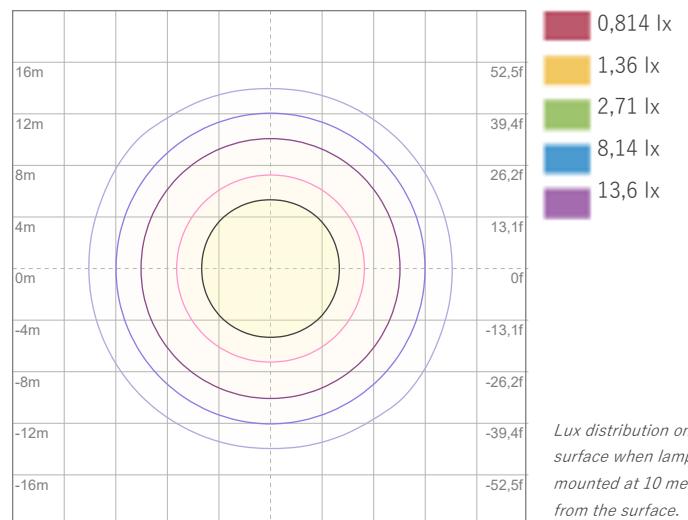


ISO Candela Diagram

Conditions:

Number of c-planes: 8

Candela at center: 2712 cd



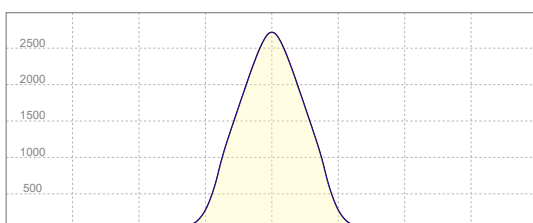
ISO LUX Diagram

Conditions:

Number of c-planes: 8

LUX at center: 27,1 lx

Linear Distribution



Peak Candela
2716 cd

Calculate Center Beam Intensities

$$\text{lux} = 2716 / \text{distance(m)}^2$$

$$\text{fc} = 2716 / \text{distance(ft)}^2$$

Measurement Date: 25/09/2026

Key Measurements

Output

Total Lumen Output: 2410 lm

Peak Intensity: 2661 cd

Beam

Beam Angle (50%): 56,4°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 114°

Color

Color Temperature: 6532 K

CRI: 82,9

TLCI: 71

TM30 R_F: 83,2

TM30 R_g: 99,4

Power Details

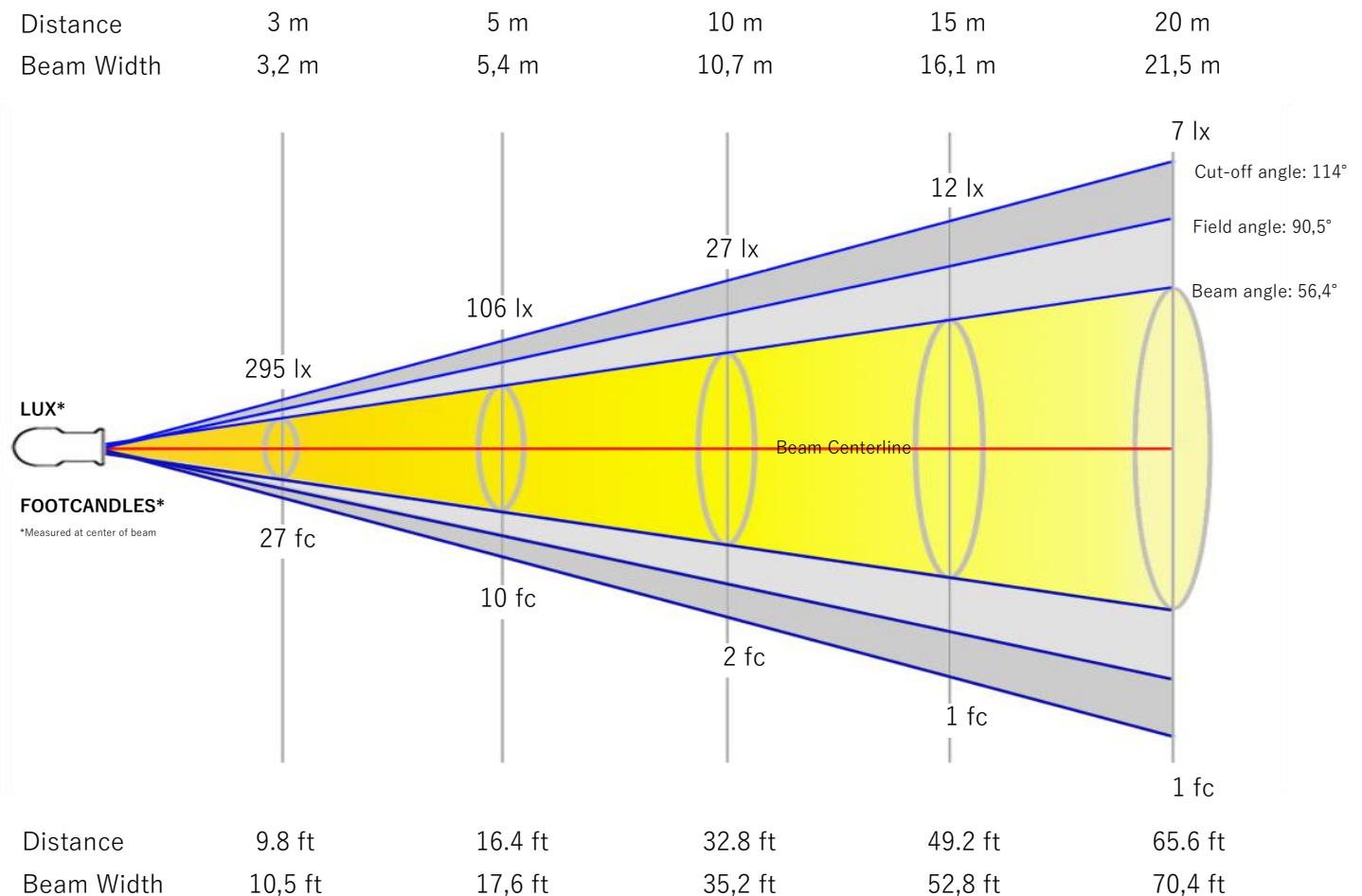
Efficacy: 39 Lumen/Watt

Power: 61,2 W

Supply Voltage: 232 V

Current: 0,307 A

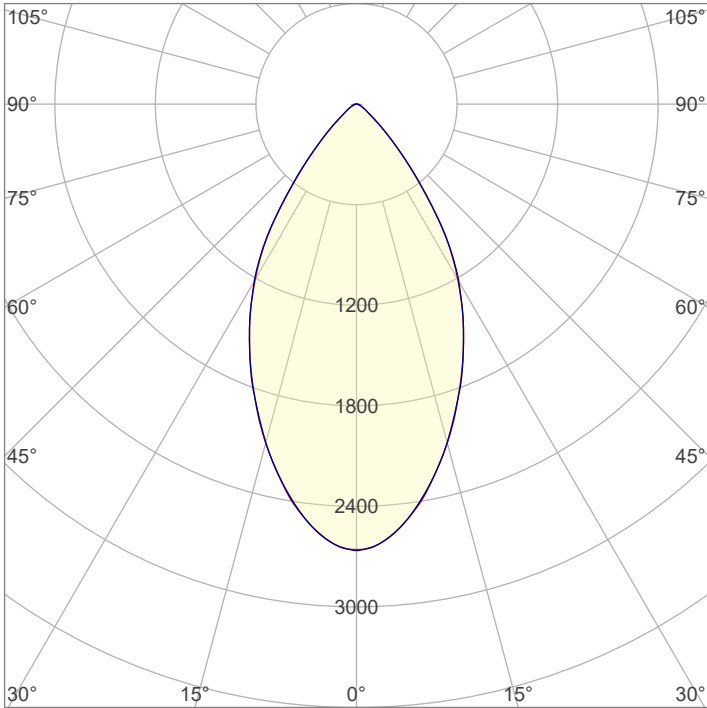
Beam Details



Beam Intensities from 1-20m

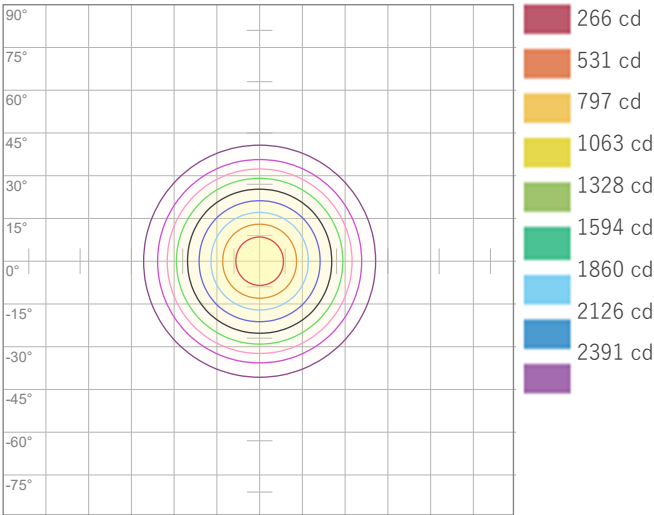
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	2657	664	295	166	106	74	54	42	33	27	22	18	16	14	12	10	9	8	7	7
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	246,8	61,7	27,4	15,4	9,9	6,9	5	3,9	3	2,5	2	1,7	1,5	1,3	1,1	1	0,9	0,8	0,7	0,6

Angular Distribution



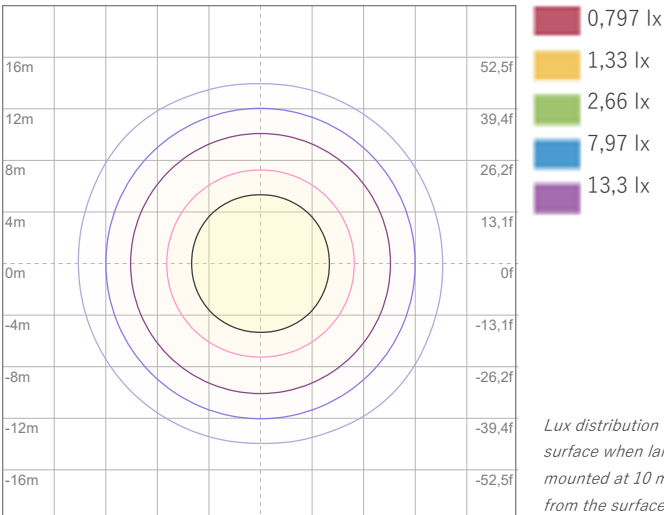
Beam Angle - 50%
56,4°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
114°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 2657 cd

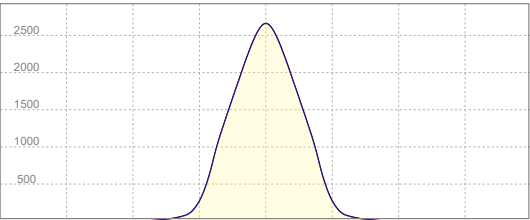


ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 26,6 lx

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

Linear Distribution



Peak Candela
2661 cd

Calculate Center Beam Intensities
 $lux = 2661 / distance(m)^2$
 $fc = 2661 / distance(ft)^2$

Key Measurements

Output

Total Lumen Output: 2368 lm

Peak Intensity: 2614 cd

Beam

Beam Angle (50%): 56,5°

Field Angle (10%): 90,5°

Cutoff Angle (2.5%): 114,1°

Color

Color Temperature: 7747 K

CRI: 82,7

TLCI: 71

TM30 R_F: 82,8

TM30 R_g: 99,6

Power Details

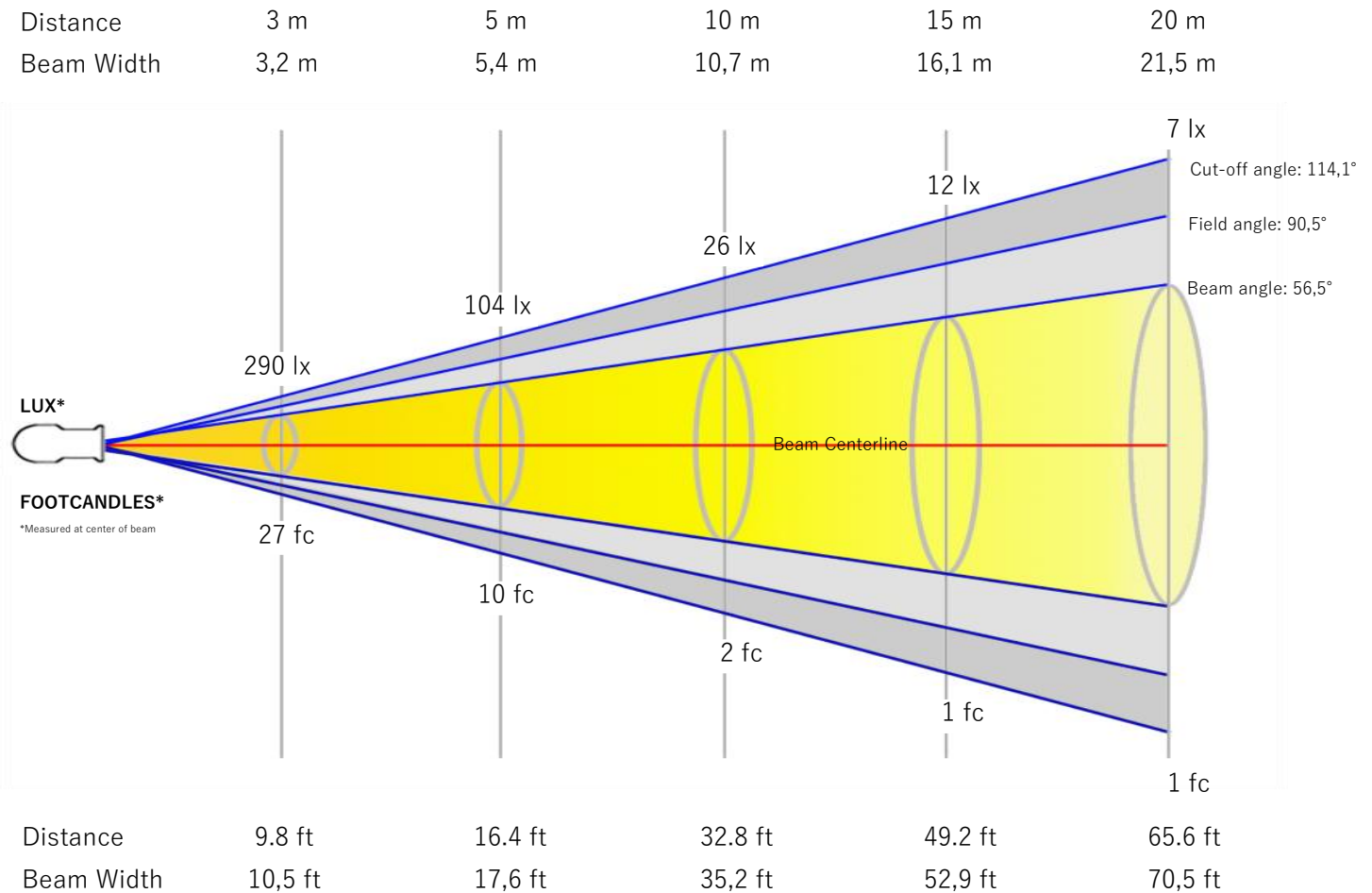
Efficacy: 39 Lumen/Watt

Power: 61,0 W

Supply Voltage: 233 V

Current: 0,306 A

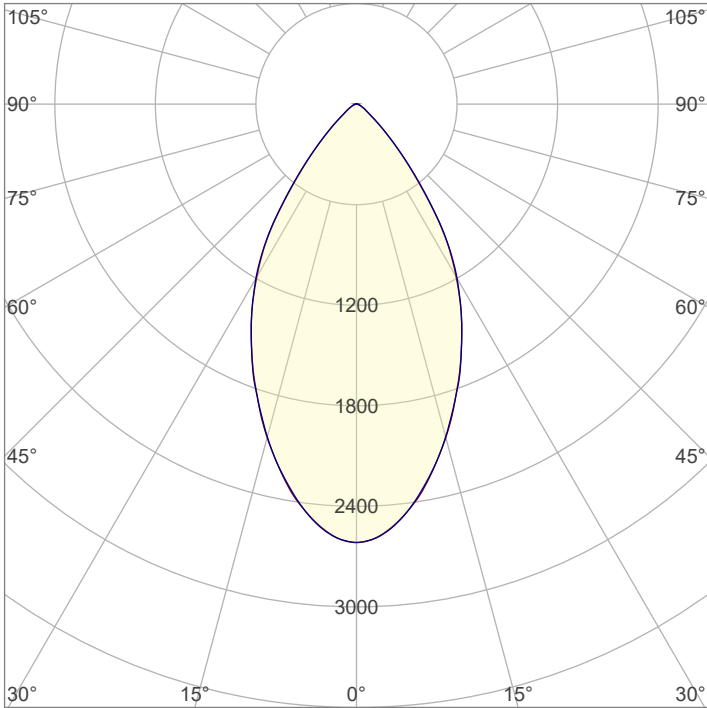
Beam Details



Beam Intensities from 1-20m

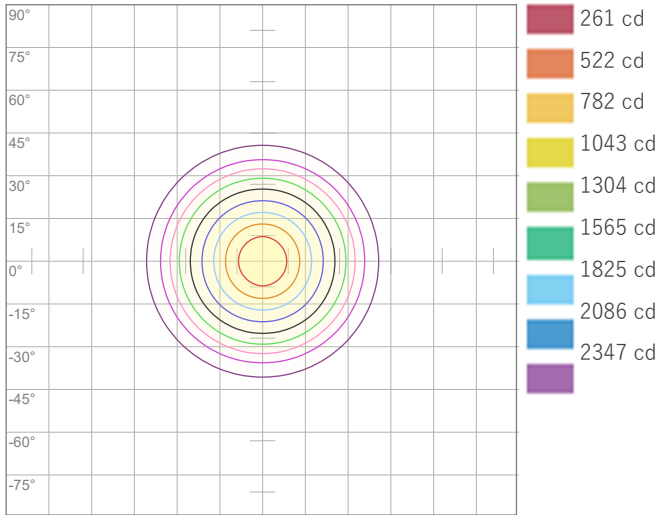
M	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
LX	2608	652	290	163	104	72	53	41	32	26	22	18	15	13	12	10	9	8	7	7
FT	3,3	6,6	9,8	13,1	16,4	19,7	23	26,2	29,5	32,8	36,1	39,4	42,7	45,9	49,2	52,5	55,8	59,1	62,3	65,6
FC	242,3	60,6	26,9	15,1	9,7	6,7	4,9	3,8	3	2,4	2	1,7	1,4	1,2	1,1	0,9	0,8	0,7	0,7	0,6

Angular Distribution



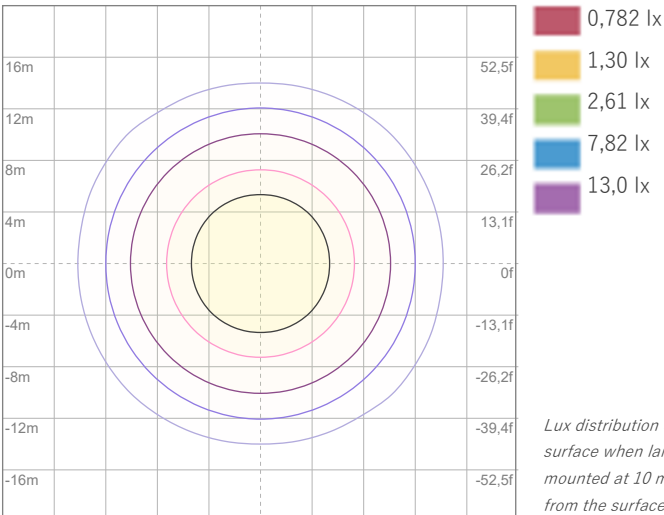
Beam Angle - 50%
56,5°
Field Angle - 10%
90,5°
Cutoff Angle - 2.5%
114,1°

ISO Diagrams



ISO Candela Diagram

Conditions:
Number of c-planes: 8
Candela at center: 2608 cd

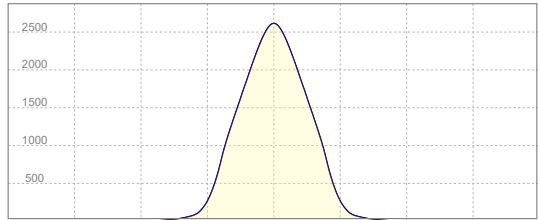


ISO LUX Diagram

Conditions:
Number of c-planes: 8
LUX at center: 26,1 lx

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

Linear Distribution



Peak Candela
2614 cd

Calculate Center Beam Intensities

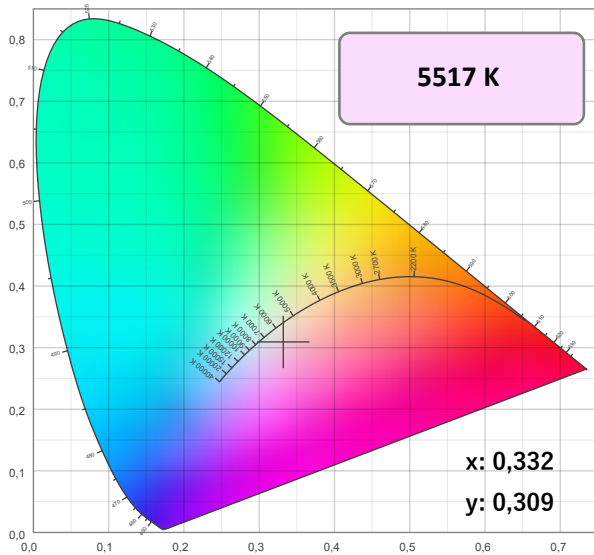
$$\text{lux} = 2614 / \text{distance(m)}^2$$
$$\text{fc} = 2614 / \text{distance(ft)}^2$$

Color Temperature: 5517K

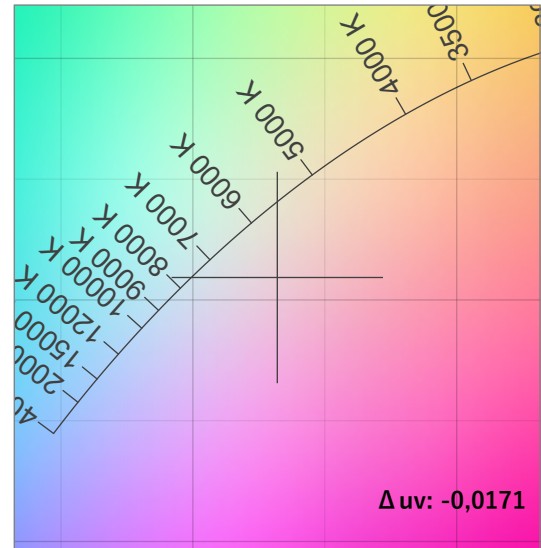
Accuracy Metric Overview

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
83,9	40,4	84,0	113,1	85	88,0	0,332	0,309	-0,0171	28	53

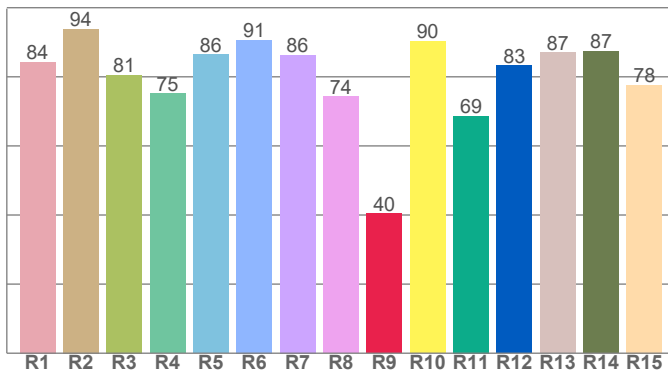
CIE 1931



CIE 1931 ZOOMED

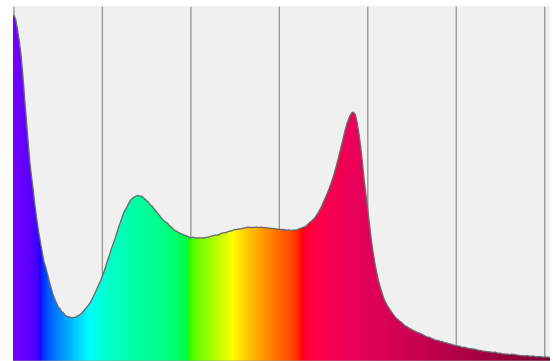


CRI: 83,9 (R1-R8)



Spectral Power Distribution (SPD)

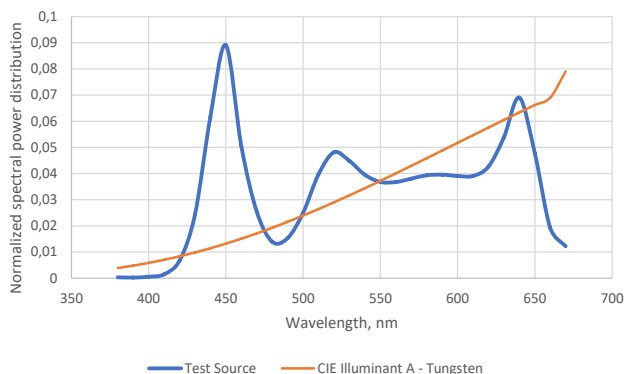
Dominant Wavelength 505 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 28

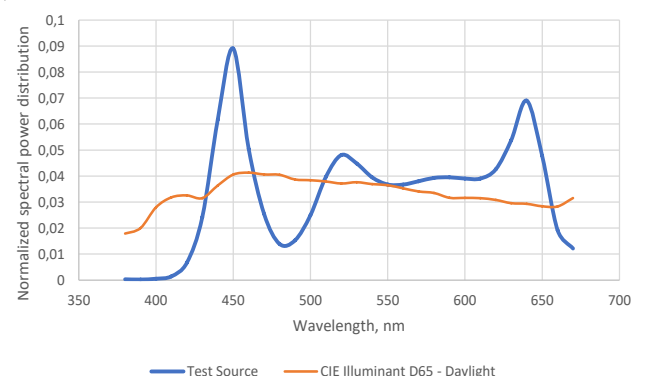
Spectral variance

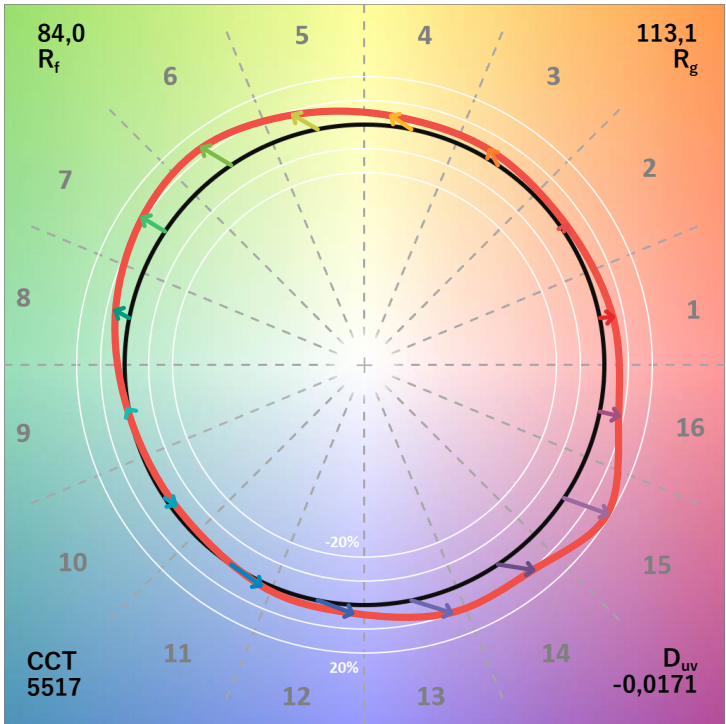


SSI Spectral Variance Graph- Daylight

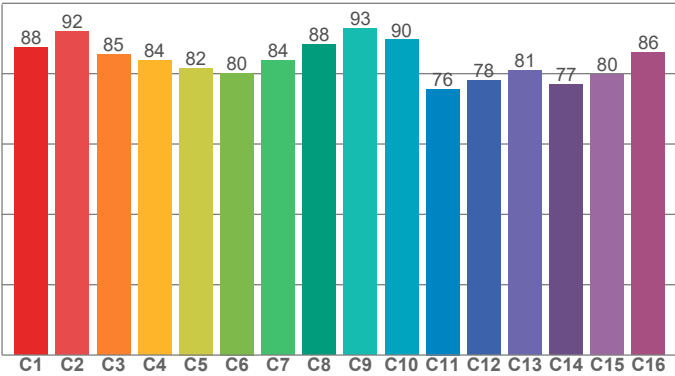
SSI [CIE D65] 53

Spectral variance

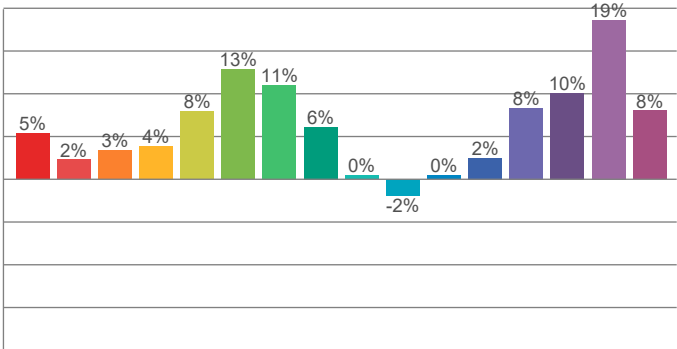




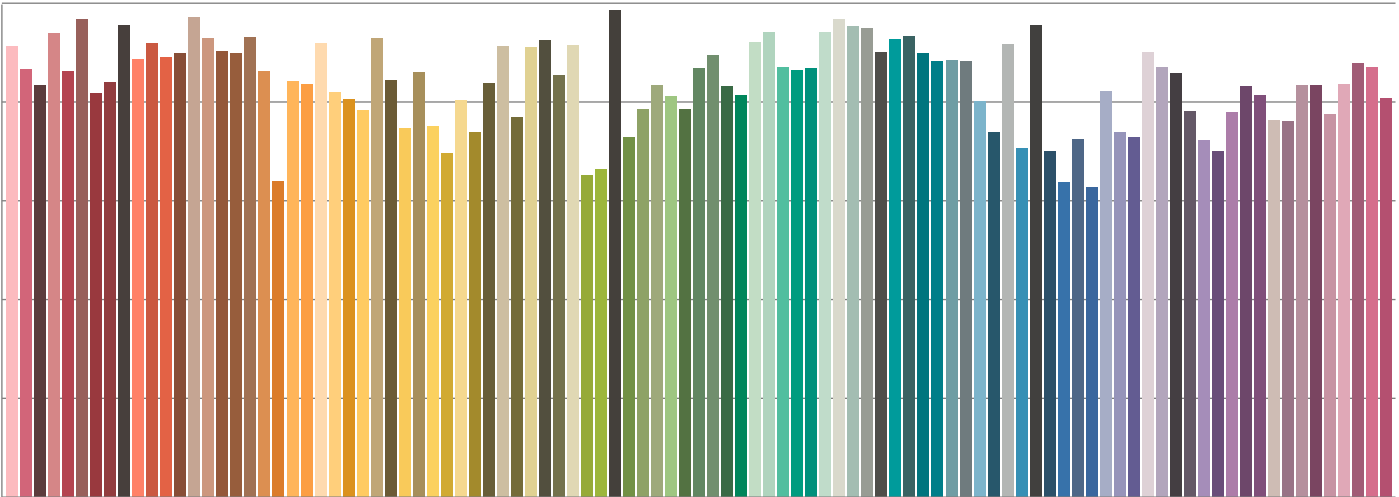
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

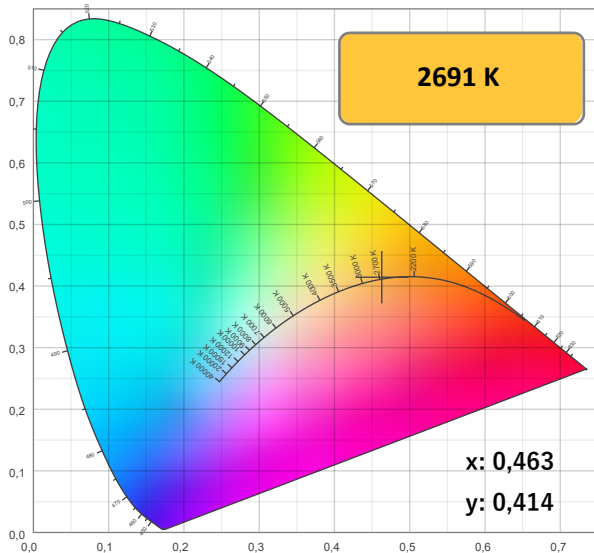


Color Temperature: 2691K

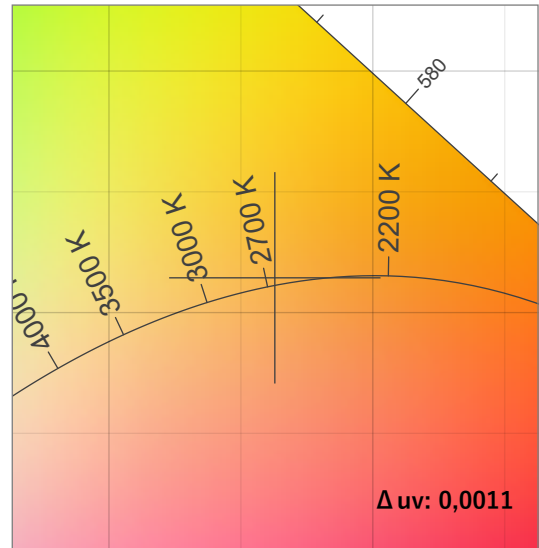
Accuracy Metric Overview

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
90,9	81,0	88,1	103,5	80	87,6	0,463	0,414	0,0011	72	23

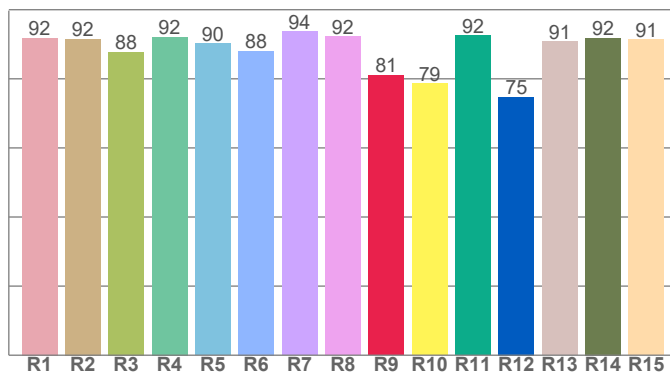
CIE 1931



CIE 1931 ZOOMED

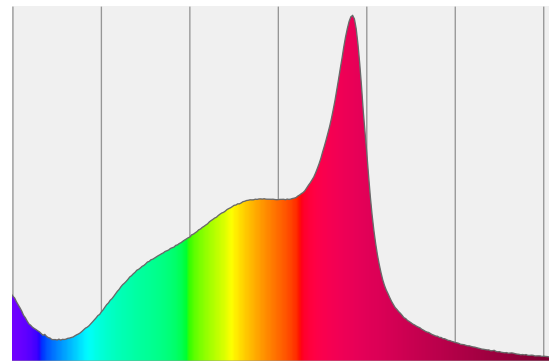


CRI: 90,9 (R1-R8)



Spectral Power Distribution (SPD)

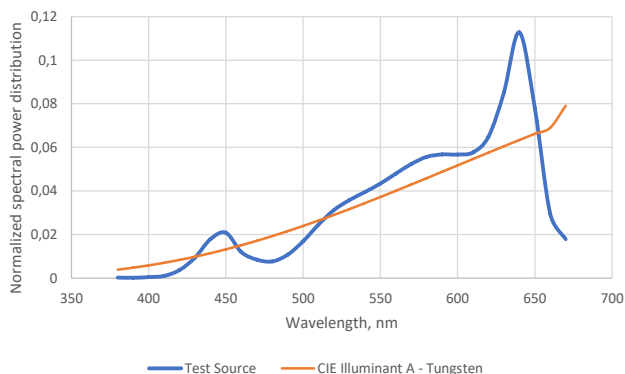
Dominant Wavelength 584 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 72

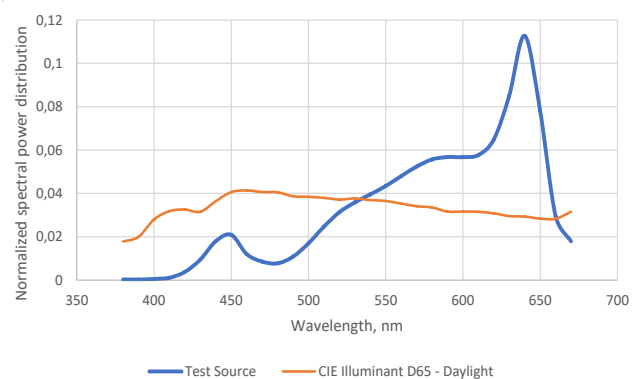
Spectral variance

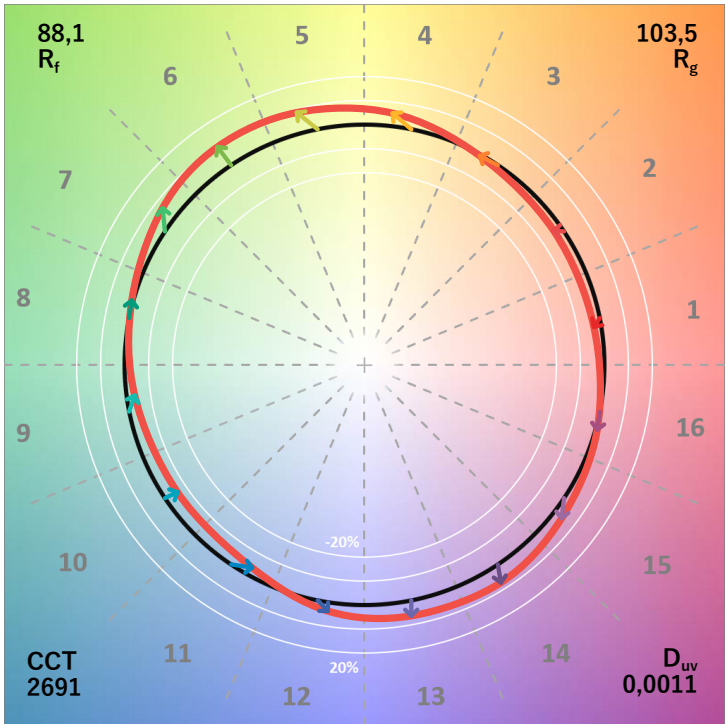


SSI Spectral Variance Graph- Daylight

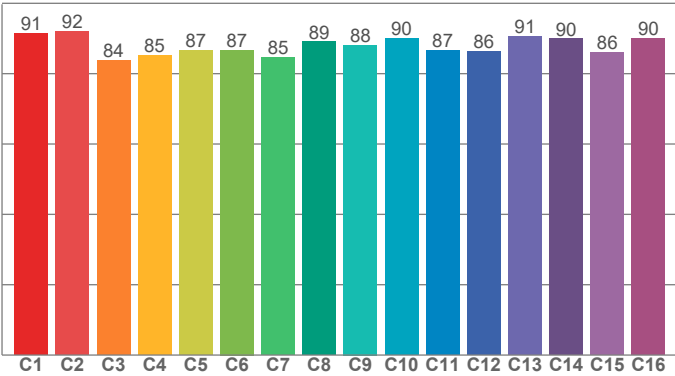
SSI [CIE D65] 23

Spectral variance

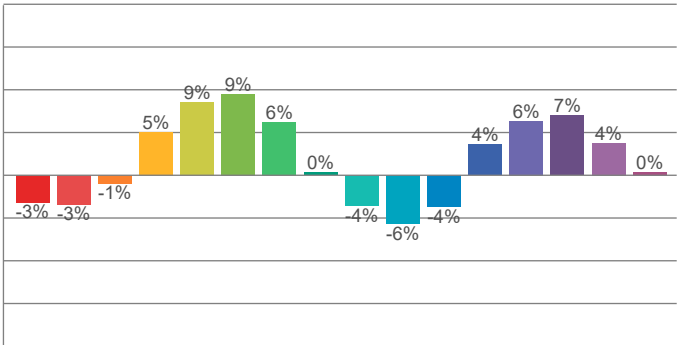




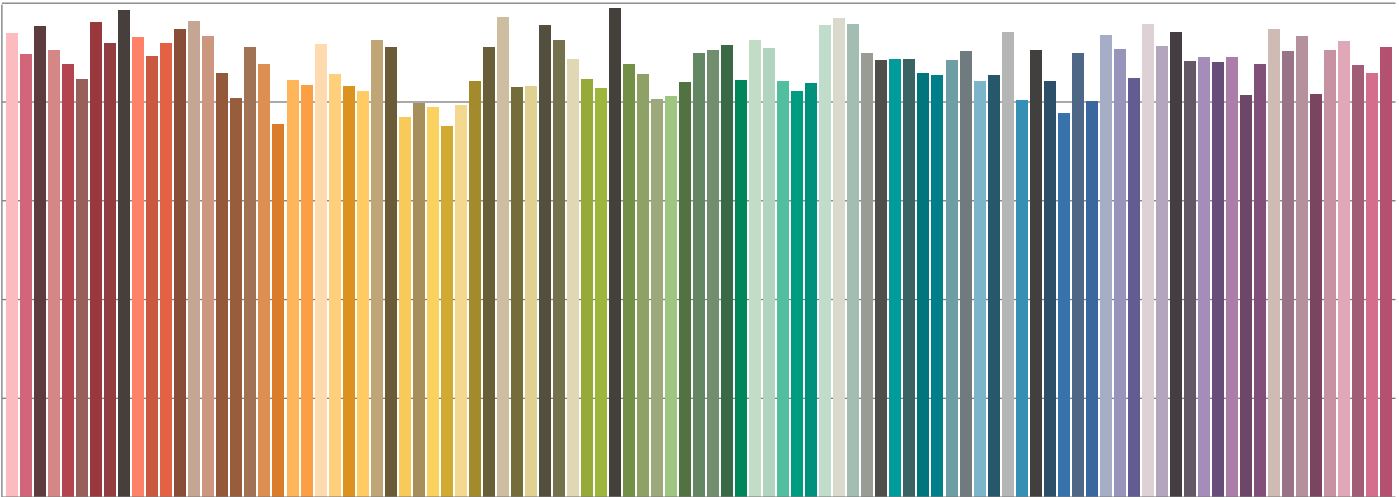
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

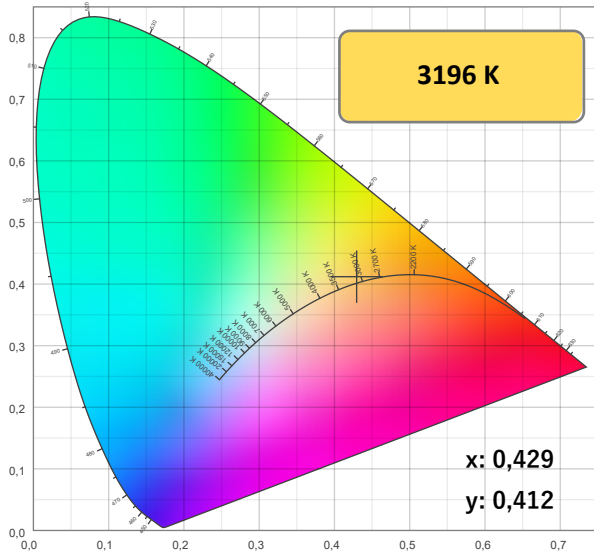


Color Temperature: 3196K

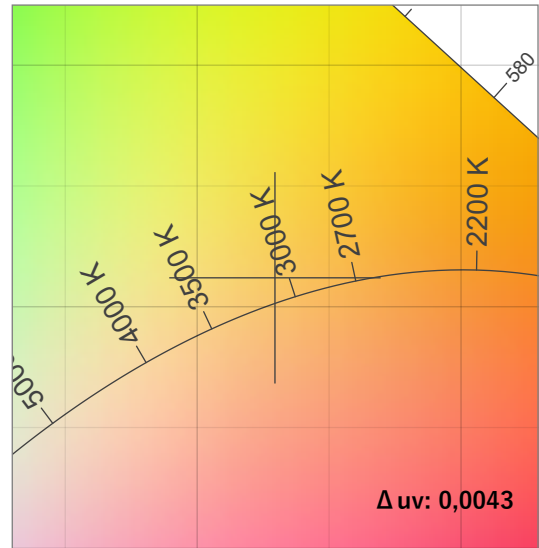
Accuracy Metric Overview

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
91,7	84,9	90,9	102,9	87	91,1	0,429	0,412	0,0043	74	36

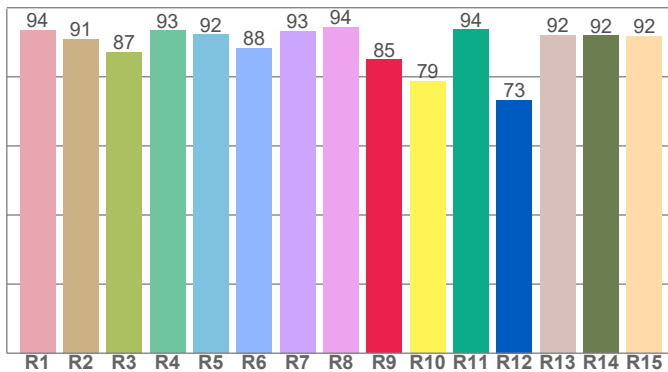
CIE 1931



CIE 1931 ZOOMED

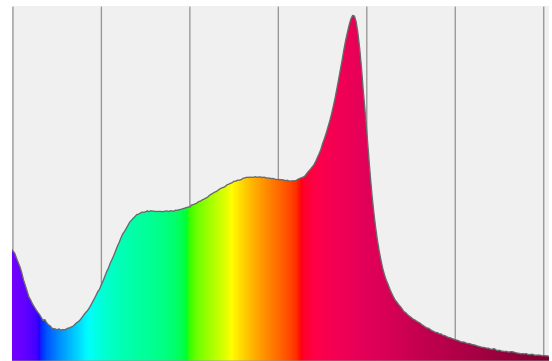


CRI: 91,7 (R1-R8)



Spectral Power Distribution (SPD)

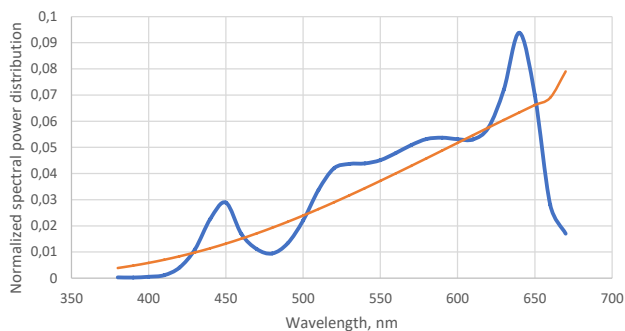
Dominant Wavelength 581 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 74

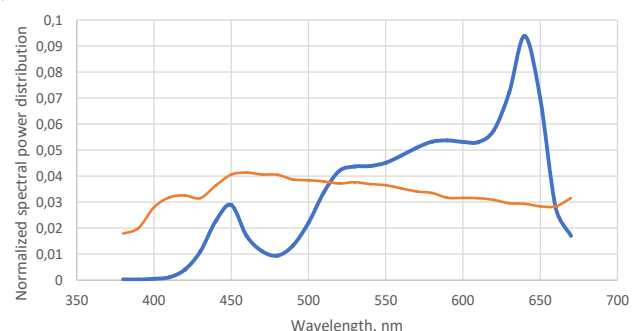
Spectral variance



SSI Spectral Variance Graph- Daylight

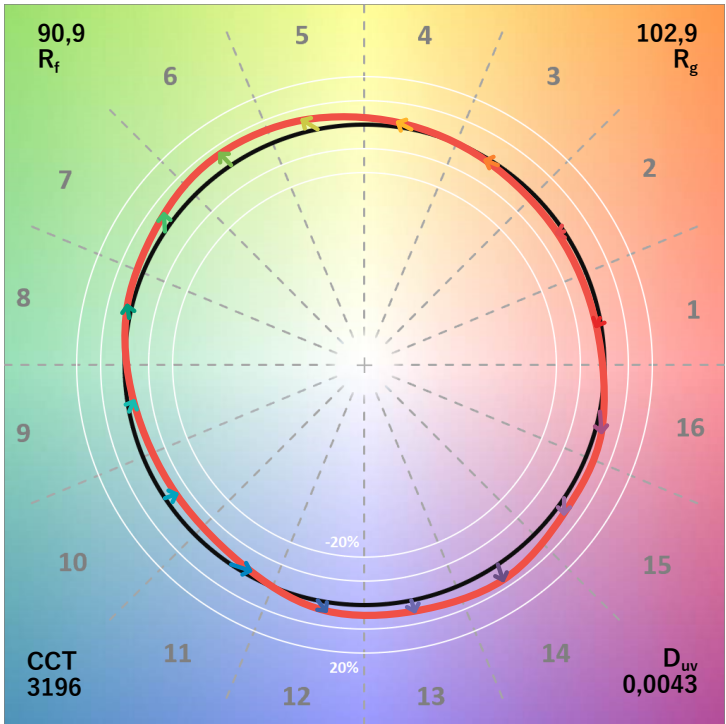
SSI [CIE D65] 36

Spectral variance

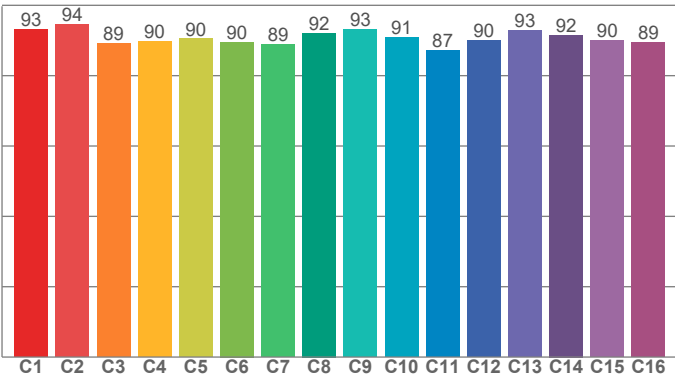


SSI [CIE D65] - Daylight

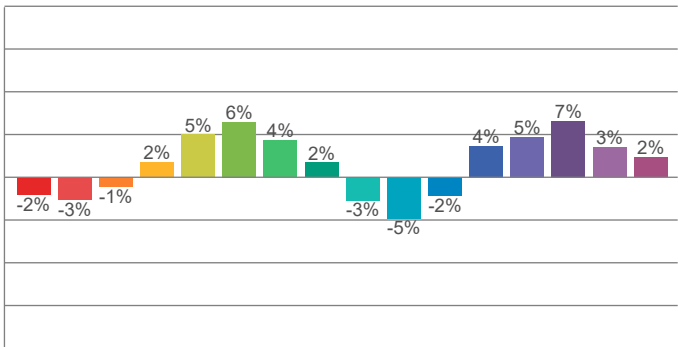
36



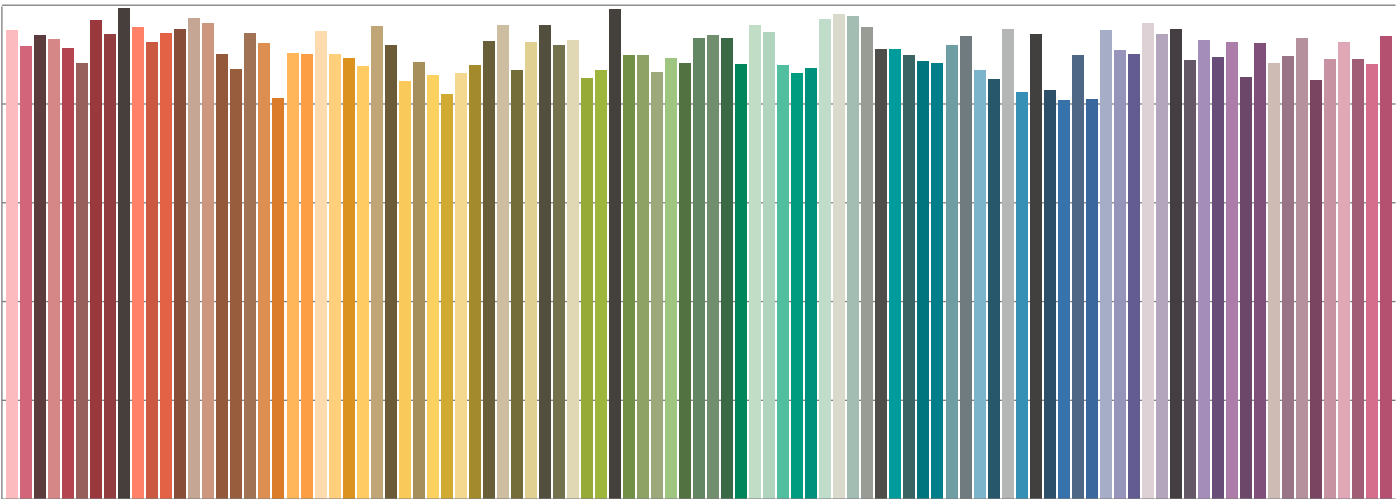
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

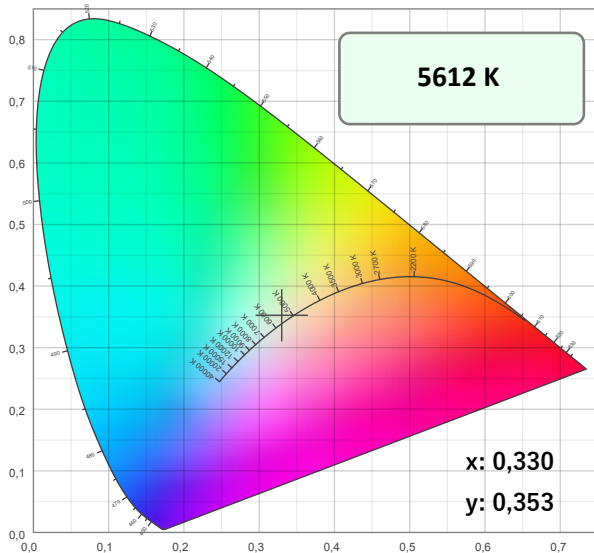


Color Temperature: 5612K

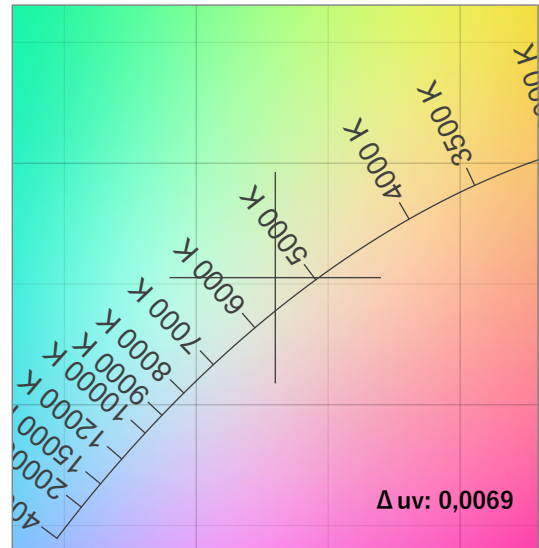
Accuracy Metric Overview

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
84,3	23,3	85,0	100,0	78	85,5	0,330	0,353	0,0069	32	59

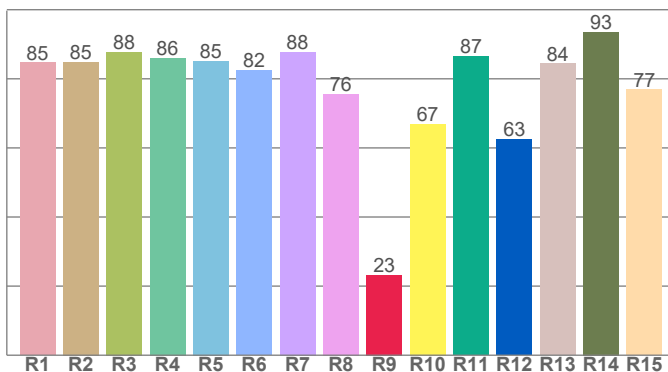
CIE 1931



CIE 1931 ZOOMED

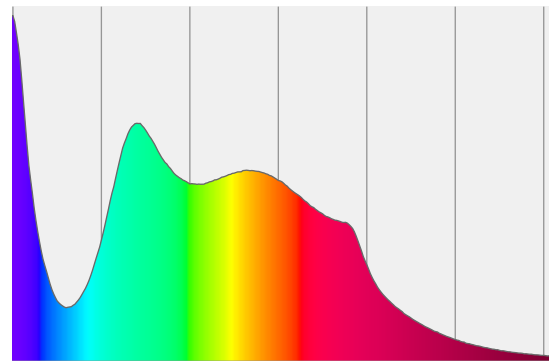


CRI: 84,3 (R1-R8)



Spectral Power Distribution (SPD)

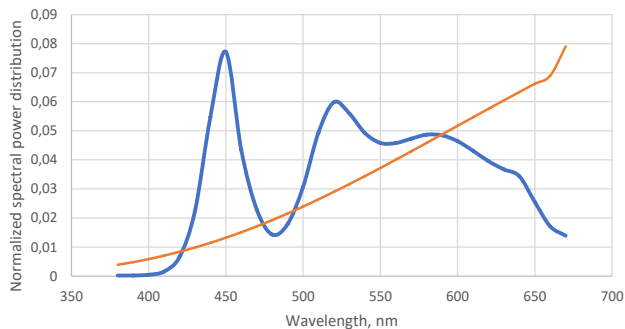
Dominant Wavelength 573 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 32

Spectral variance

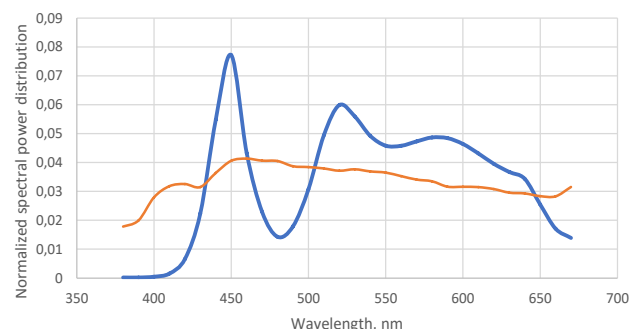


— Test Source — CIE Illuminant A - Tungsten

SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 59

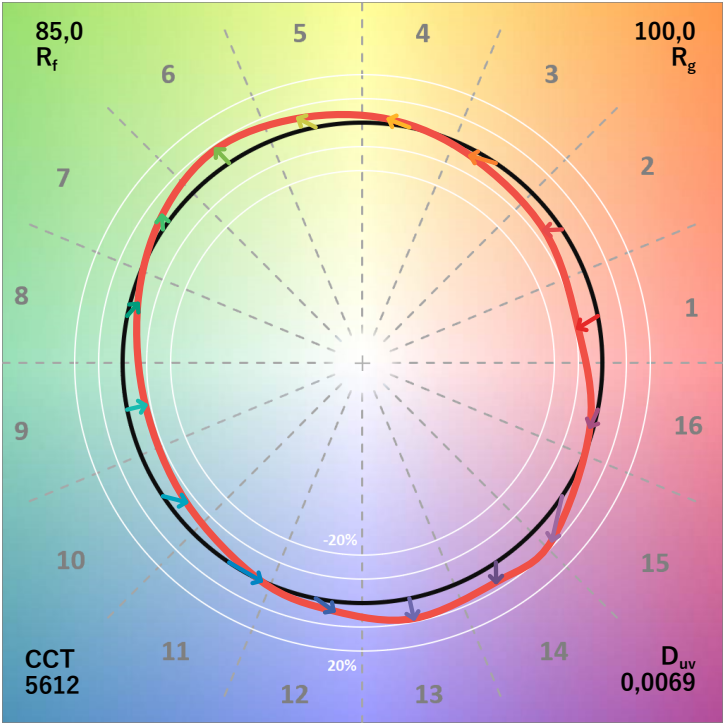
Spectral variance



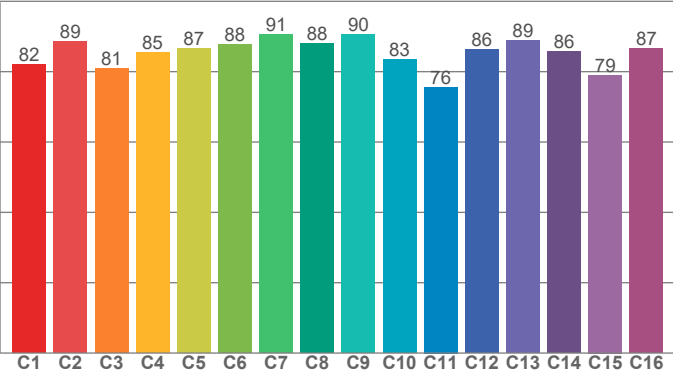
— Test Source — CIE Illuminant D65 - Daylight

SSI [CIE D65] - Daylight

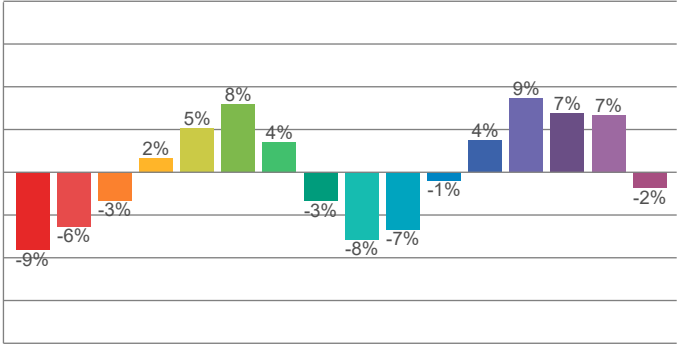
59



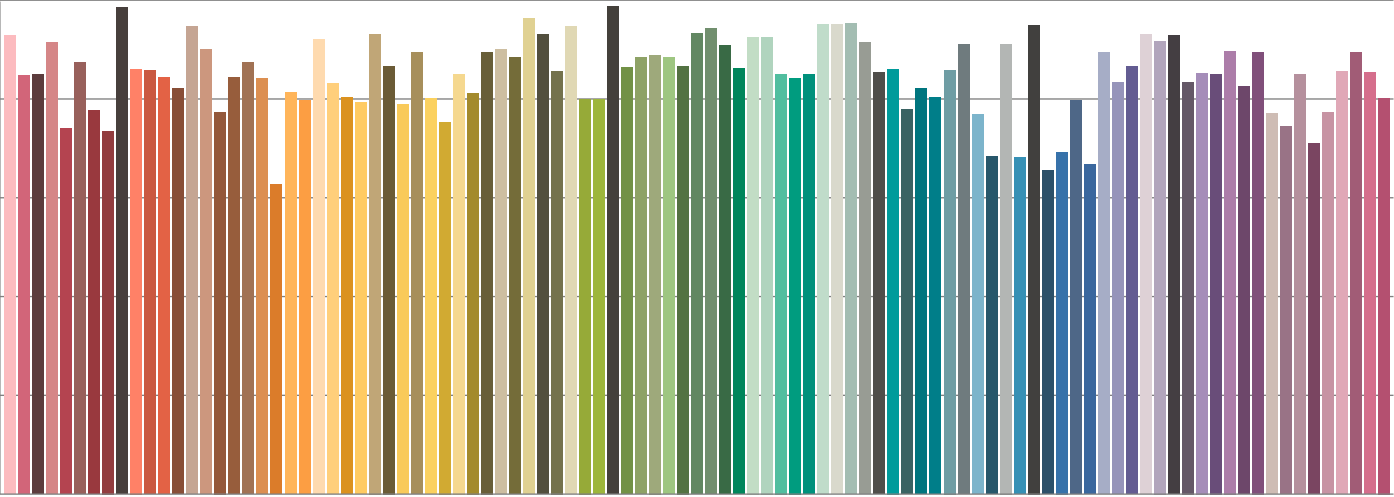
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

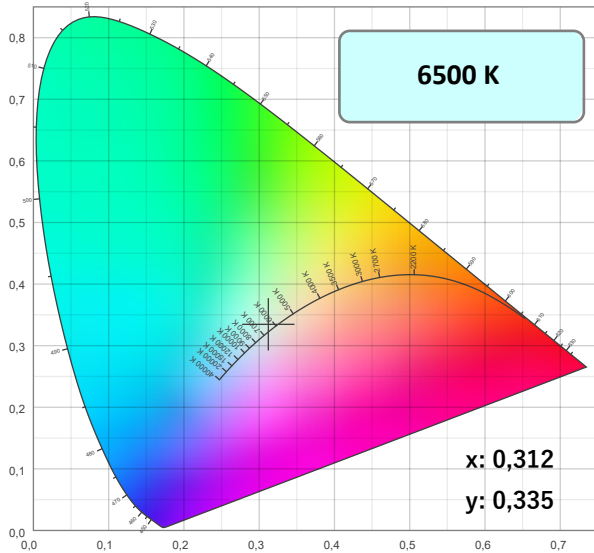


Color Temperature: 6500K

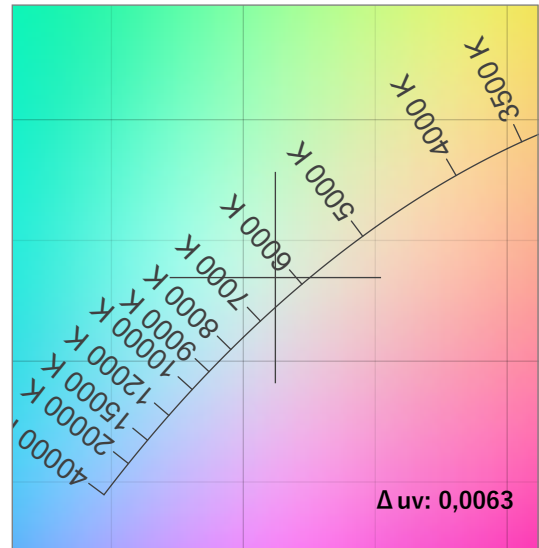
Accuracy Metric Overview

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
82,6	9,8	83,3	98,5	72	83,2	0,312	0,335	0,0063	21	57

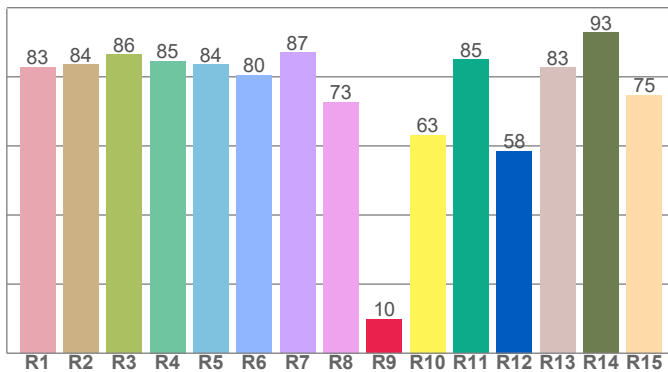
CIE 1931



CIE 1931 ZOOMED

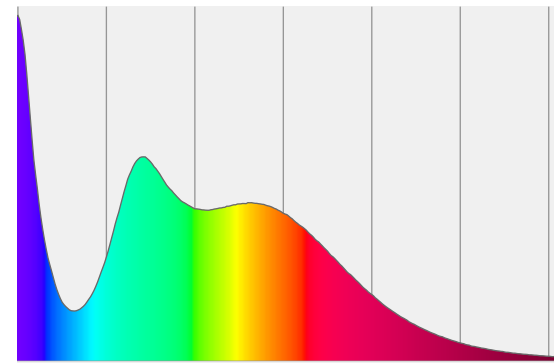


CRI: 82,6 (R1-R8)



Spectral Power Distribution (SPD)

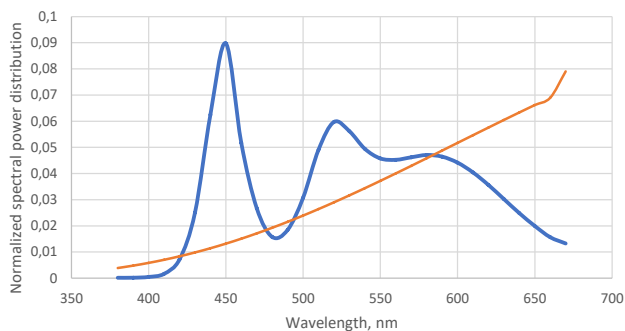
Dominant Wavelength 546 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 21

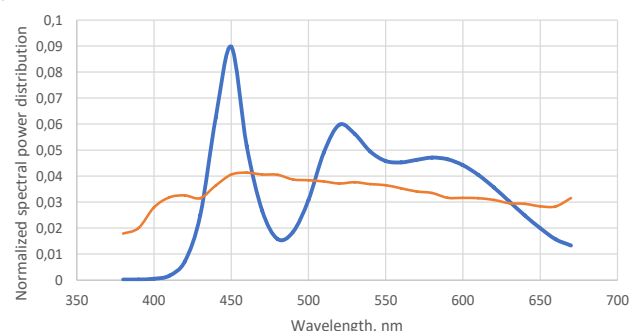
Spectral variance



SSI Spectral Variance Graph- Daylight

SSI [CIE D65] 57

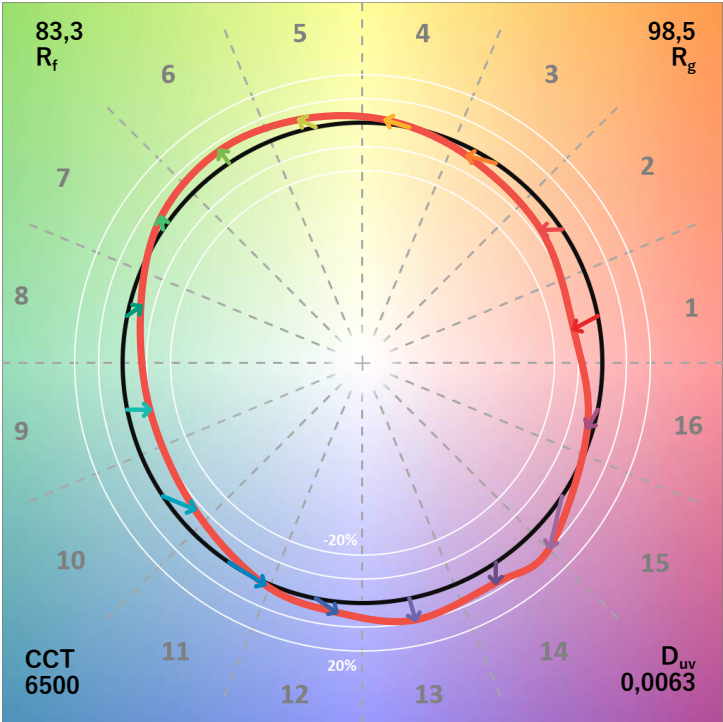
Spectral variance



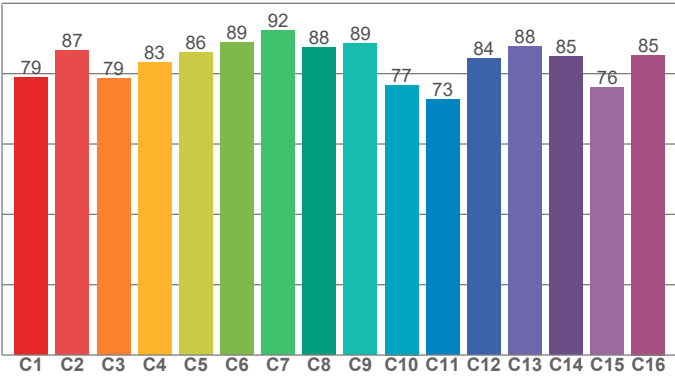
SSI [CIE D65] - Daylight

57

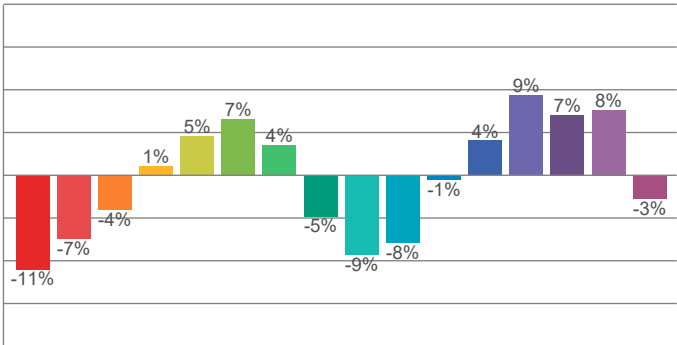
Normalized spectral power distribution



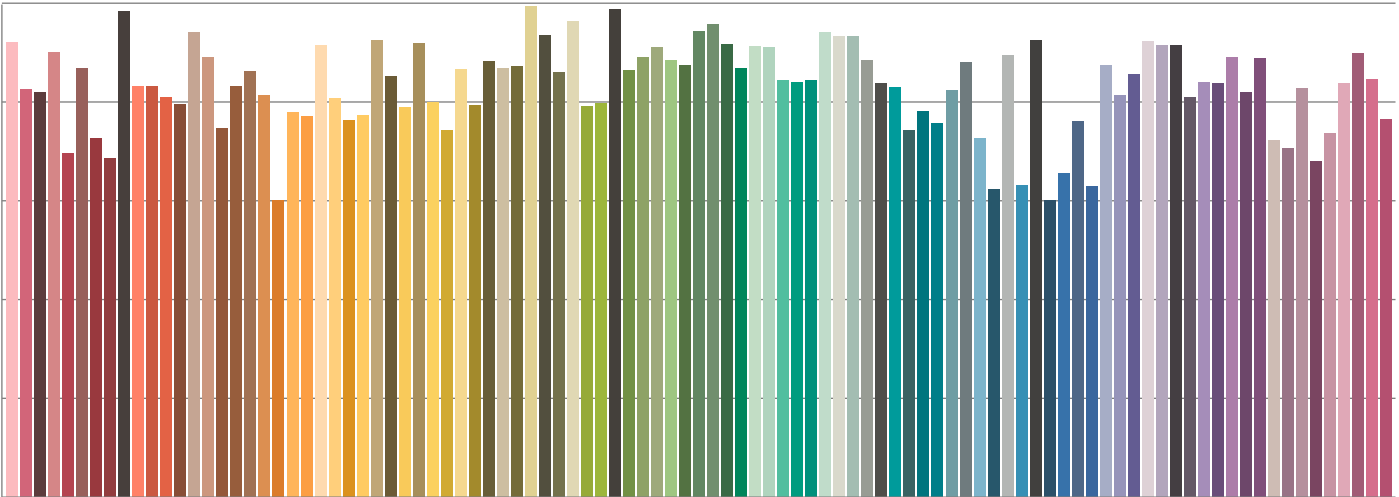
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)

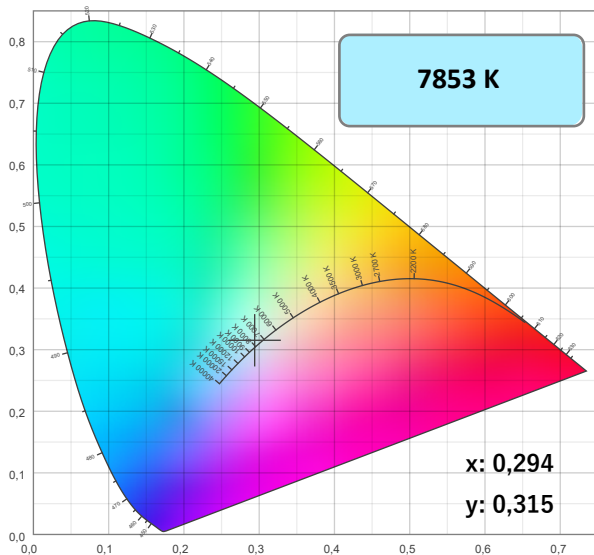


Color Temperature: 7853K

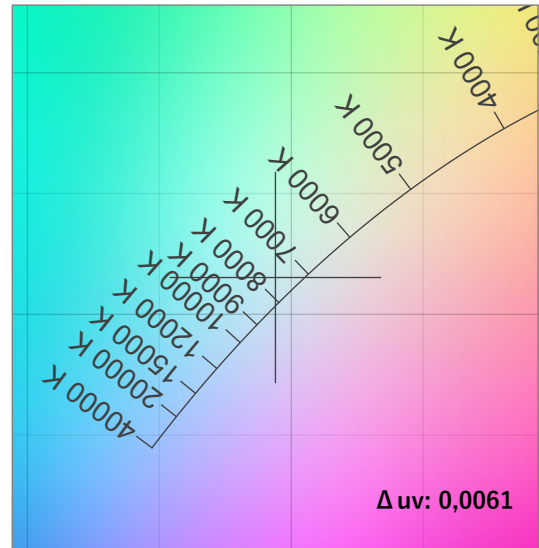
Accuracy Metric Overview

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
82,7	15,9	82,9	97,6	72	83,4	0,294	0,315	0,0061	10	54

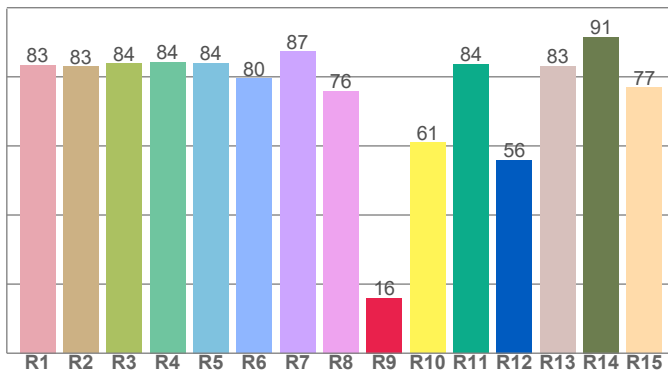
CIE 1931



CIE 1931 ZOOMED

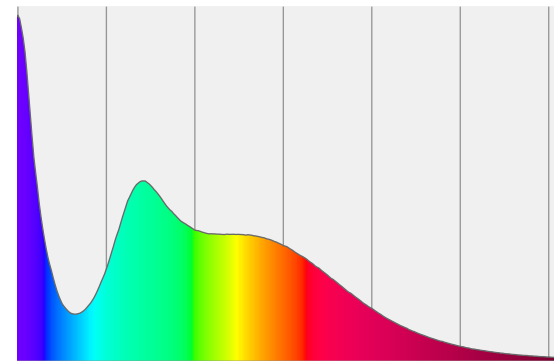


CRI: 82,7 (R1-R8)



Spectral Power Distribution (SPD)

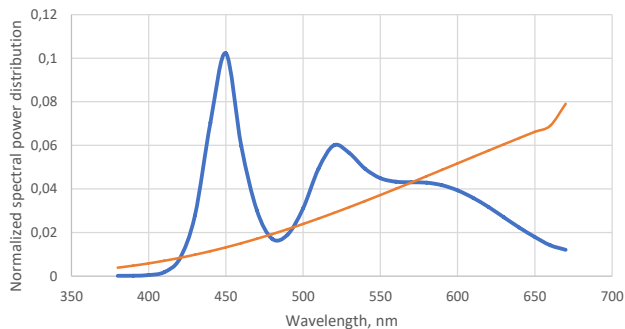
Dominant Wavelength 482 nm



SSI Spectral Variance Graph- Tungsten

SSI [CIE A] 10

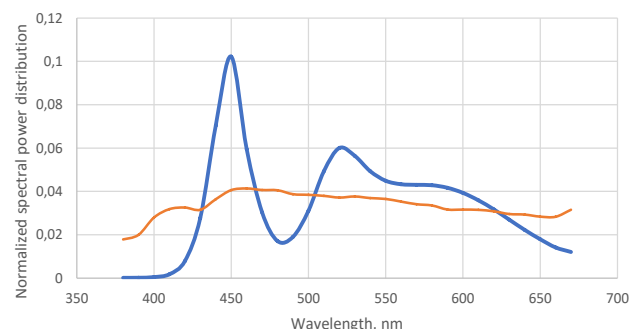
Spectral variance



SSI Spectral Variance Graph- Daylight

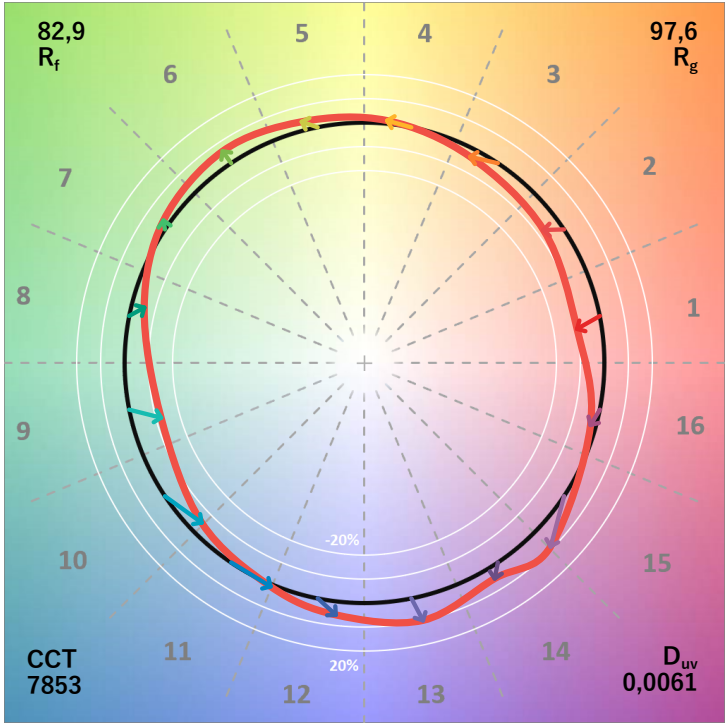
SSI [CIE D65] 54

Spectral variance

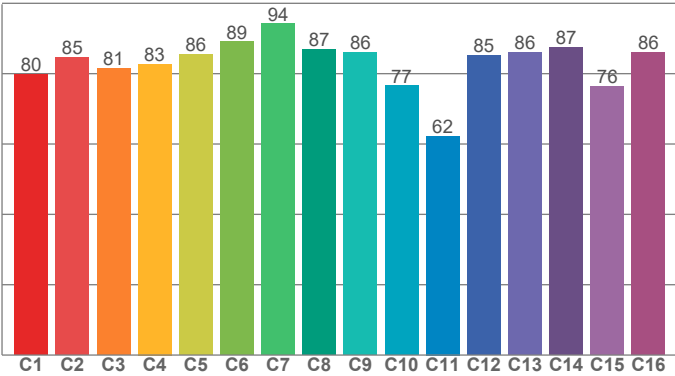


SSI [CIE D65] - Daylight

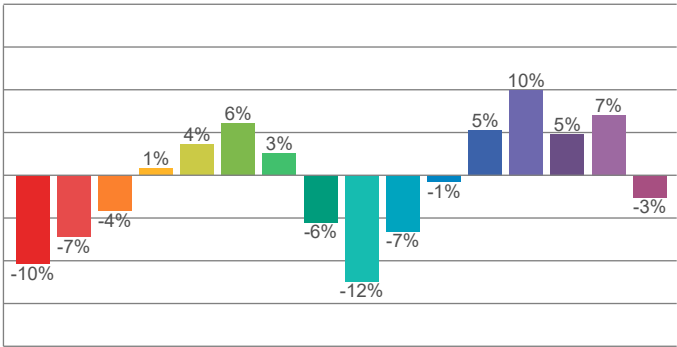
54



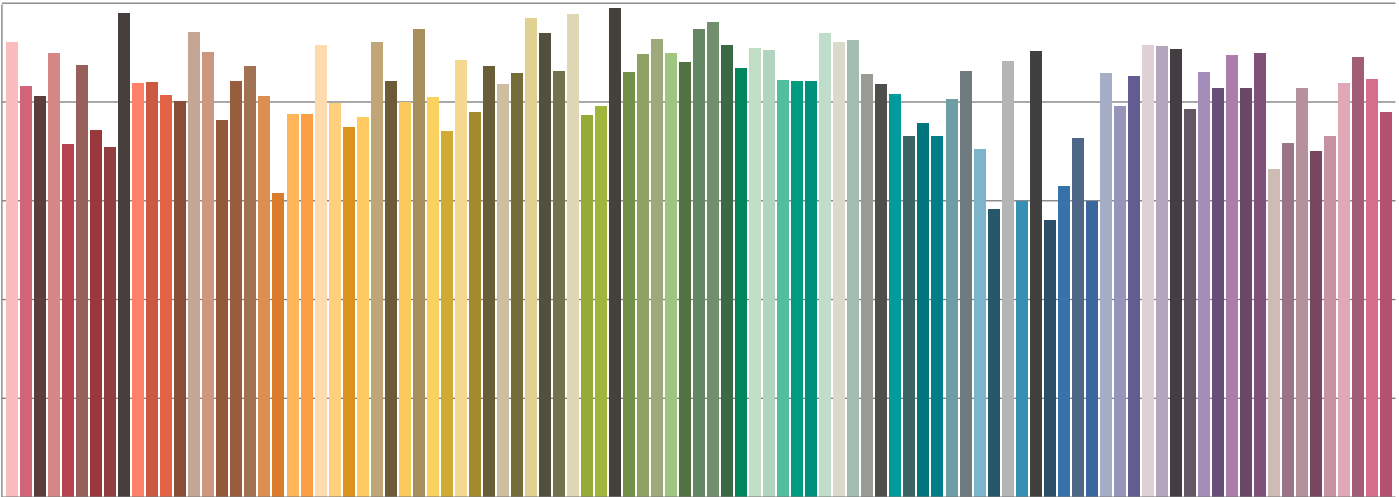
TM30-18 R_f Values per Hue Bin



TM30 Chroma Shift per Hue Bin



TM30-18 R_f Values per Reference Color (CES)



Measurements

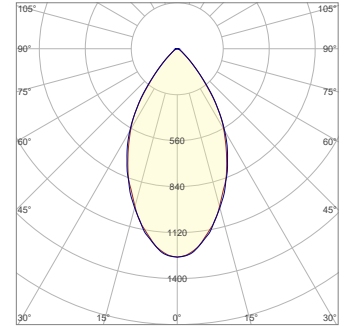
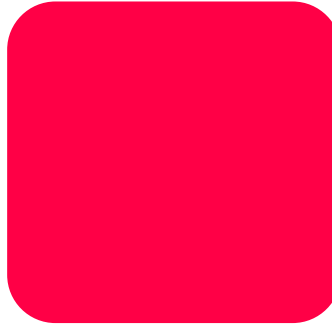
Total Lumen Output: 1153 lm

Peak Intensity: 1266 cd

Efficacy: 31 Lumen/Watt

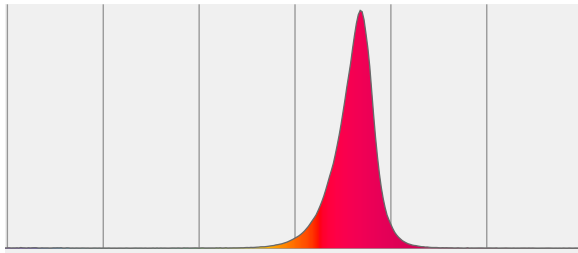
Power: 37,6 W

Voltage: 233 V, Current: 0,225 A

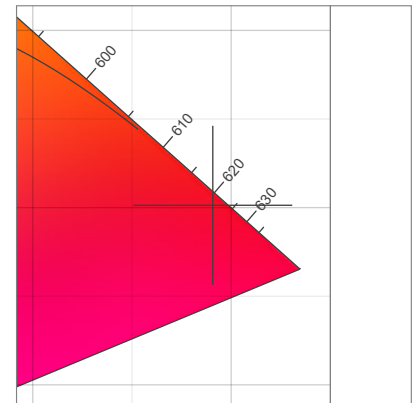


Spectral Power Distribution

Dominant Wavelength 624 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
624	0,691	0,301	0,528	0,345



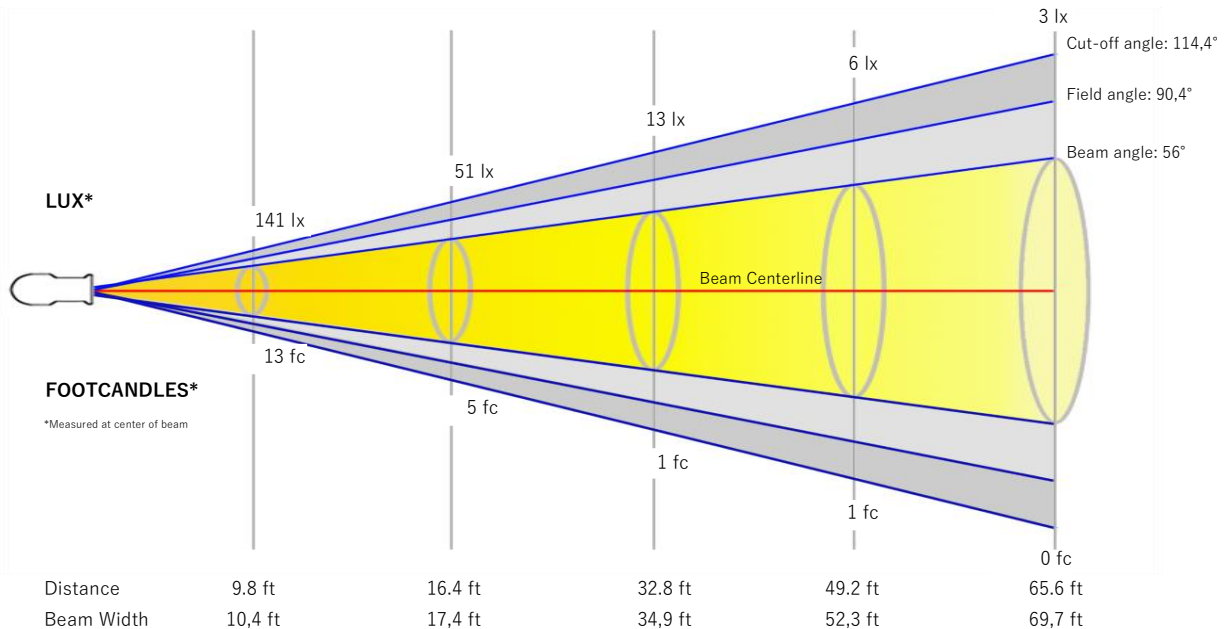
15 m
15,9 m

20 m
21,3 m

10 m
10,6 m

15 m
15,9 m

20 m
21,3 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	1266	317	141	79	51	35	26	20	16	13	10	9	7	6	6	5	4	4	4	3
FC	117,6	29,4	13,1	7,4	4,7	3,3	2,4	1,8	1,5	1,2	1	0,8	0,7	0,6	0,5	0,5	0,4	0,4	0,3	0,3

Measurements

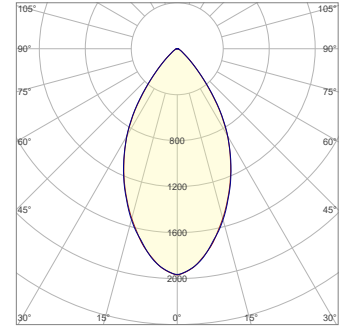
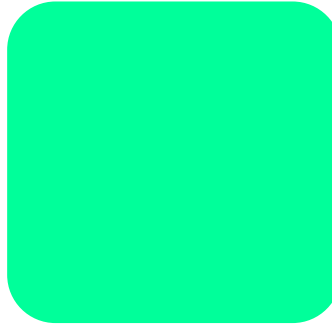
Total Lumen Output: 1763 lm

Peak Intensity: 1960 cd

Efficacy: 36 Lumen/Watt

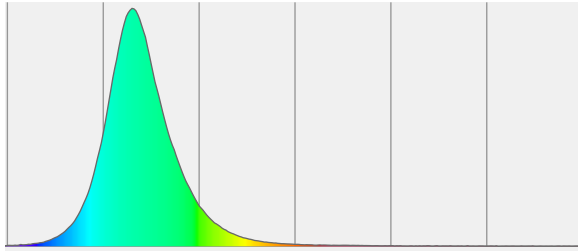
Power: 48,8 W

Voltage: 233 V, Current: 0,263 A

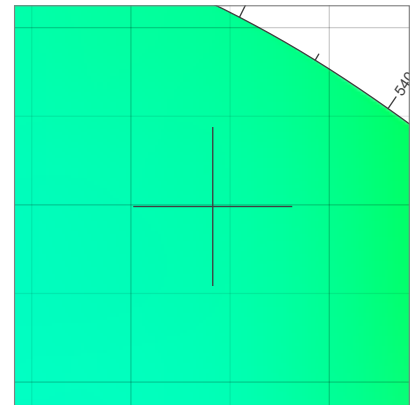


Spectral Power Distribution

Dominant Wavelength 521 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
521	0,141	0,699	0,051	0,378



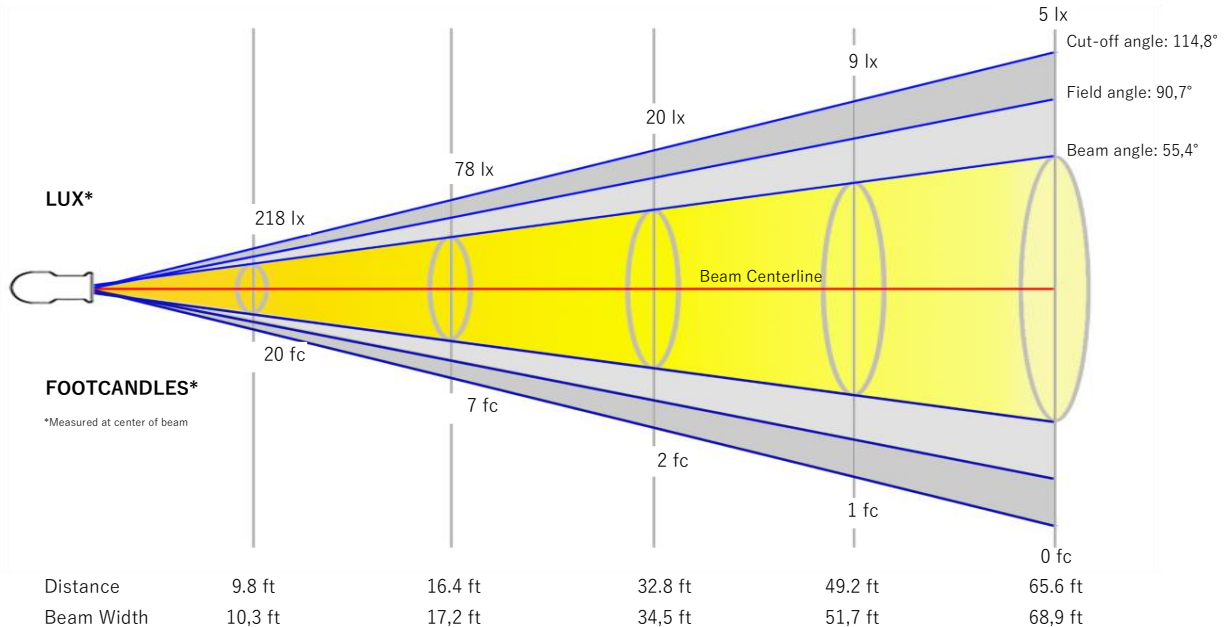
15 m
15,8 m

20 m
21 m

10 m
10,5 m

15 m
15,8 m

20 m
21 m

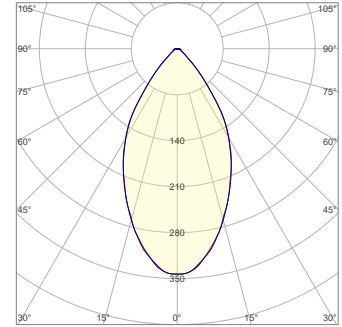
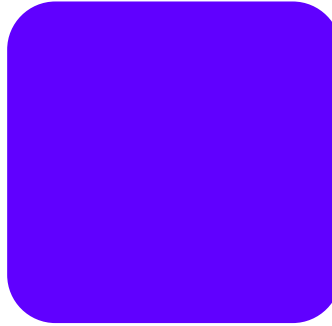


Beam Intensities from 1-20m

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	1960	490	218	122	78	54	40	31	24	20	16	14	12	10	9	8	7	6	5	5
FC	182,1	45,5	20,2	11,4	7,3	5,1	3,7	2,8	2,2	1,8	1,5	1,3	1,1	0,9	0,8	0,7	0,6	0,6	0,5	0,5

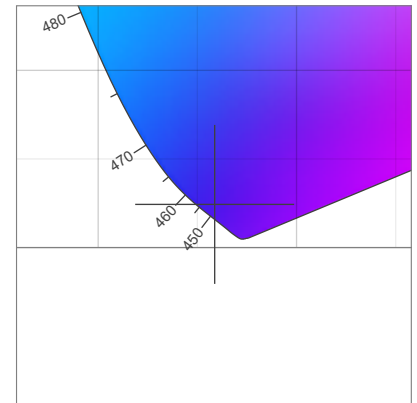
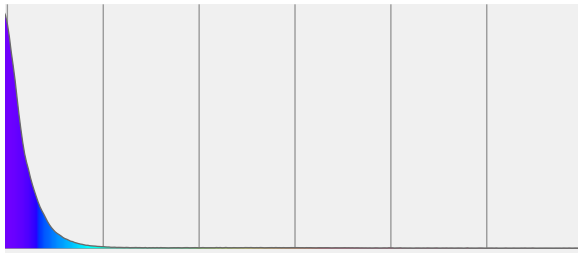
Measurements

Total Lumen Output: 321 lm
Peak Intensity: 343 cd
Efficacy: 8 Lumen/Watt
Power: 41,3 W
Voltage: 233 V, Current: 0,237 A



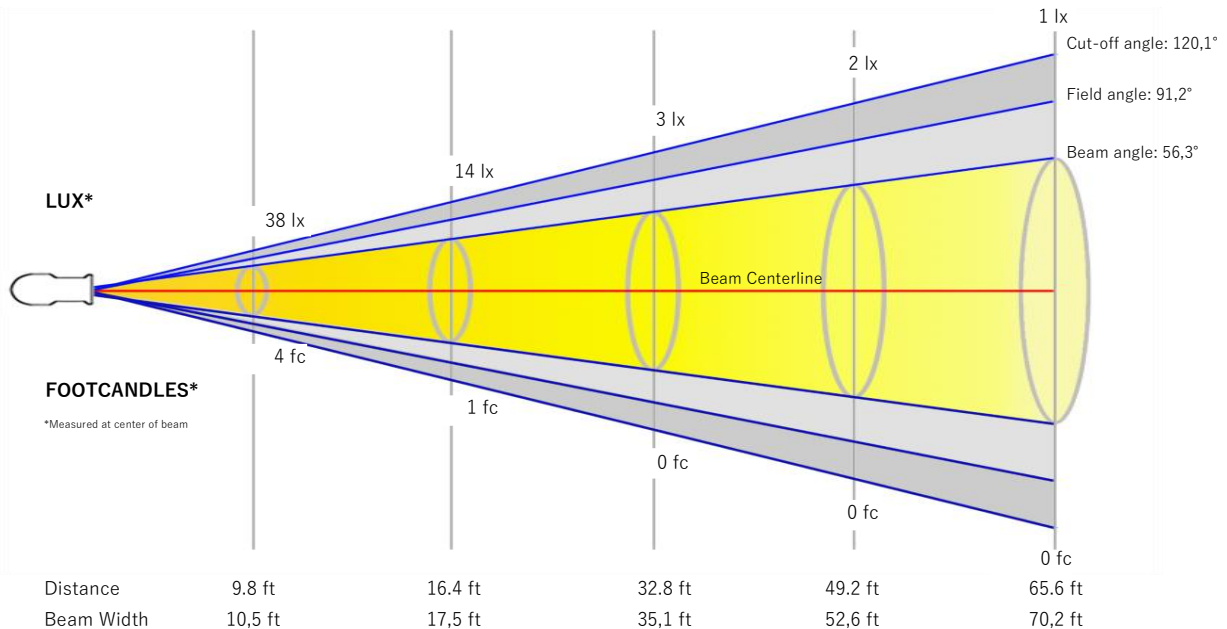
Spectral Power Distribution

Dominant Wavelength 451 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
451	0,159	0,024	0,213	0,049

15 m 20 m 10 m 15 m 20 m
16,1 m 21,4 m 10,7 m 16,1 m 21,4 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	343	86	38	21	14	10	7	5	4	3	3	2	2	2	2	1	1	1	1	1
FC	31,9	8	3,5	2	1,3	0,9	0,7	0,5	0,4	0,3	0,3	0,2	0,2	0,2	0,1	0,1	0,1	0,1	0,1	0,1

Measurements

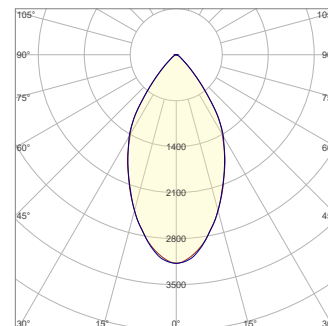
Total Lumen Output: 2794 lm

Peak Intensity: 3161 cd

Efficacy: 64 Lumen/Watt

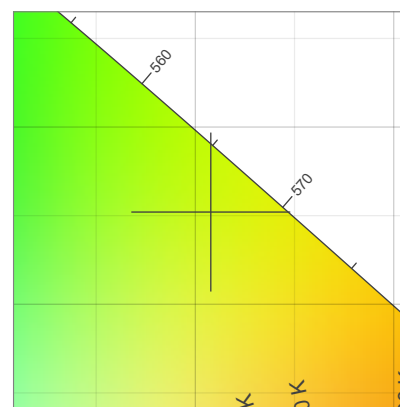
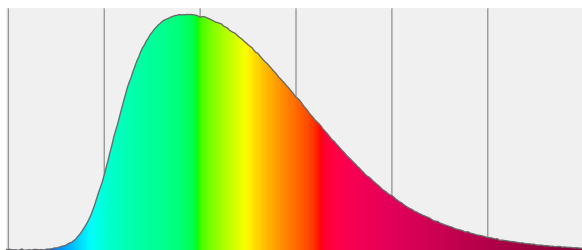
Power: 43,4 W

Voltage: 233 V, Current: 0,244 A

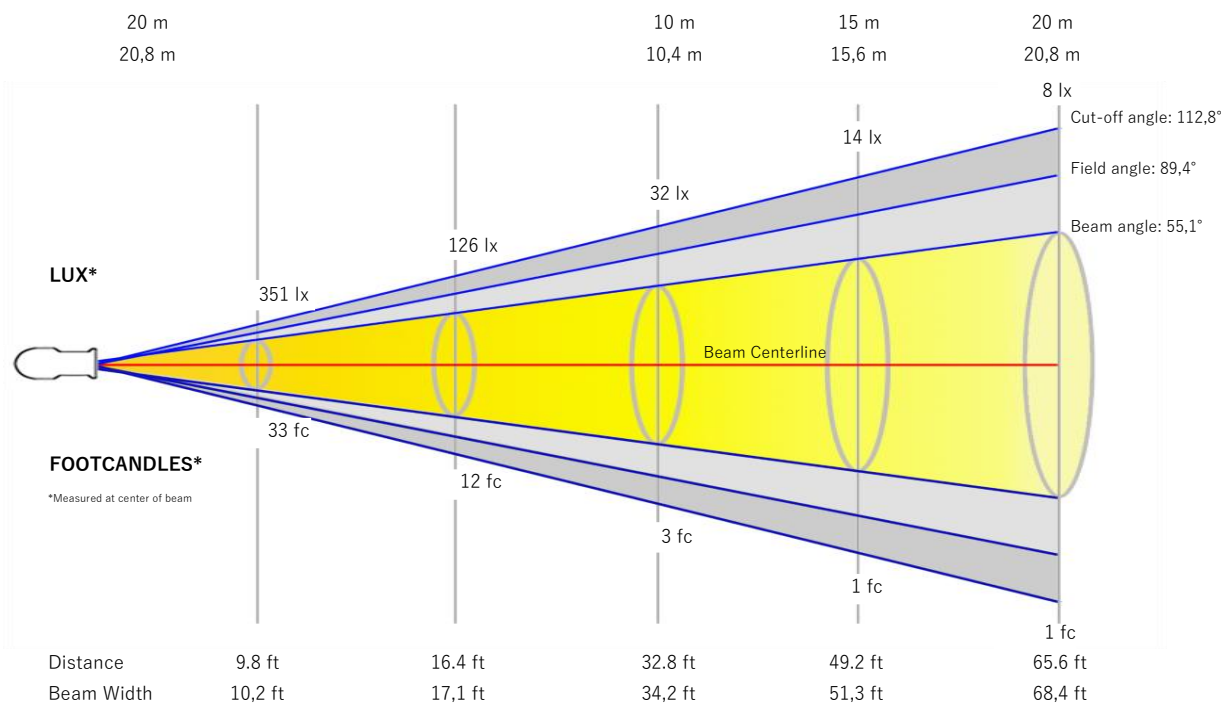


Spectral Power Distribution

Dominant Wavelength 566 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
566	0,408	0,552	0,185	0,376



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	3161	790	351	198	126	88	65	49	39	32	26	22	19	16	14	12	11	10	9	8
FC	293,7	73,4	32,6	18,4	11,7	8,2	6	4,6	3,6	2,9	2,4	2	1,7	1,5	1,3	1,1	1	0,9	0,8	0,7

Measurements

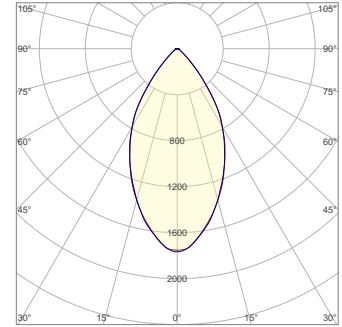
Total Lumen Output: 1567 lm

Peak Intensity: 1752 cd

Efficacy: 37 Lumen/Watt

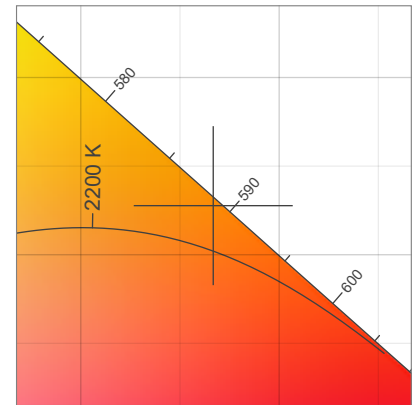
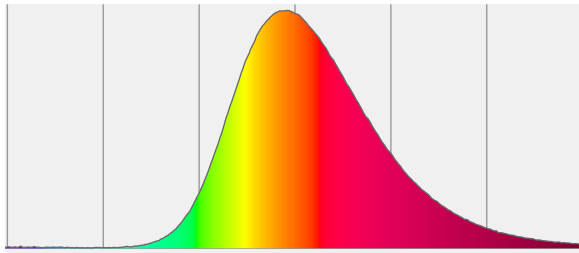
Power: 42,2 W

Voltage: 233 V, Current: 0,240 A



Spectral Power Distribution

Dominant Wavelength 589 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
589	0,567	0,428	0,324	0,367

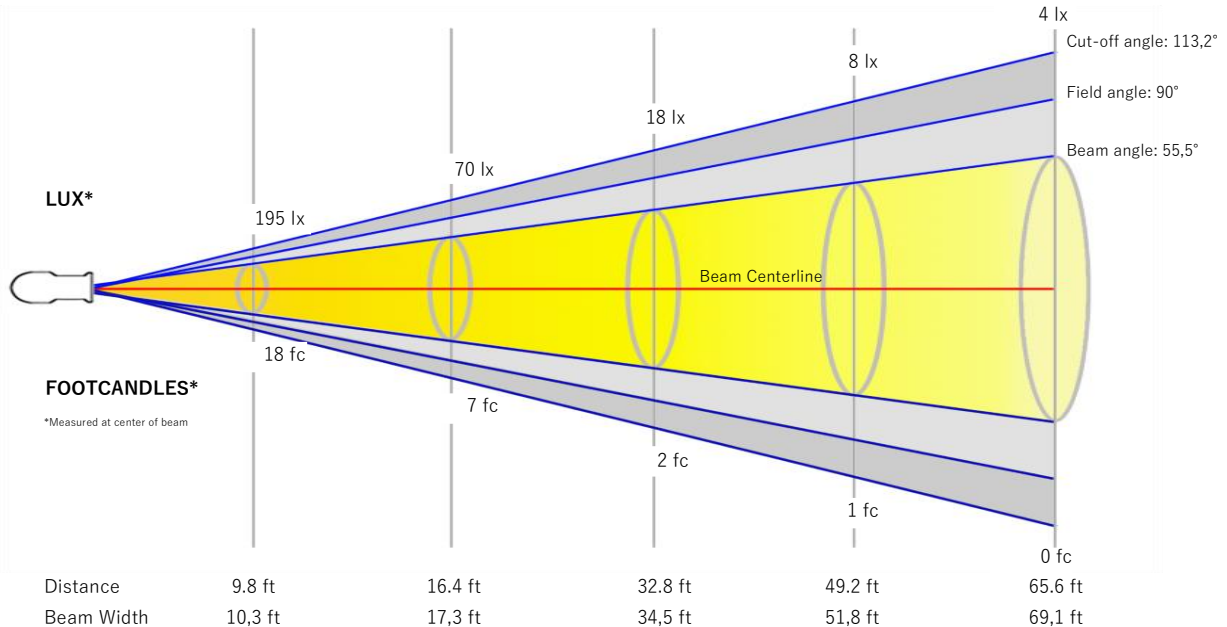
15 m
15,8 m

20 m
21,1 m

10 m
10,5 m

15 m
15,8 m

20 m
21,1 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	1752	438	195	109	70	49	36	27	22	18	14	12	10	9	8	7	6	5	5	4
FC	162,7	40,7	18,1	10,2	6,5	4,5	3,3	2,5	2	1,6	1,3	1,1	1	0,8	0,7	0,6	0,6	0,5	0,5	0,4

Measurements

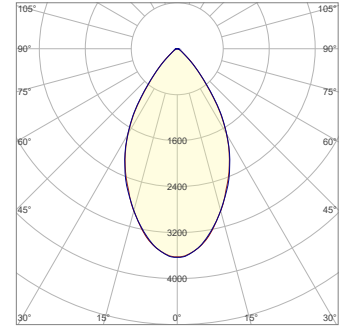
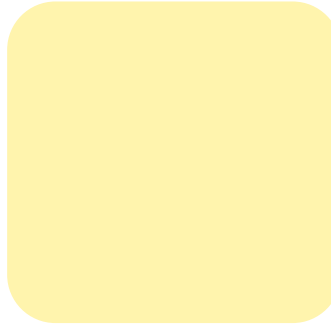
Total Lumen Output: 3395 lm

Peak Intensity: 3616 cd

Efficacy: 42 Lumen/Watt

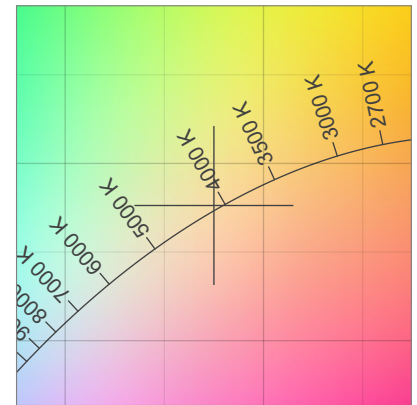
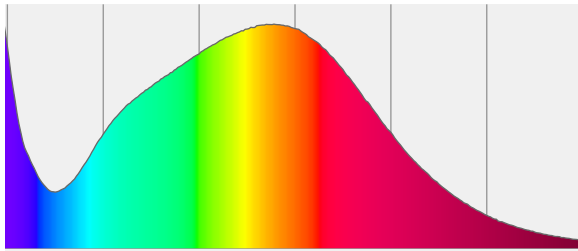
Power: 80,6 W

Voltage: 233 V, Current: 0,382 A



Spectral Power Distribution

Dominant Wavelength 581 nm



Dominant Wavelength	Color Coordinate CIE 1931	Color Coordinate CIE1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964
nm	x	y	u	v
581	0,375	0,376	0,222	0,334

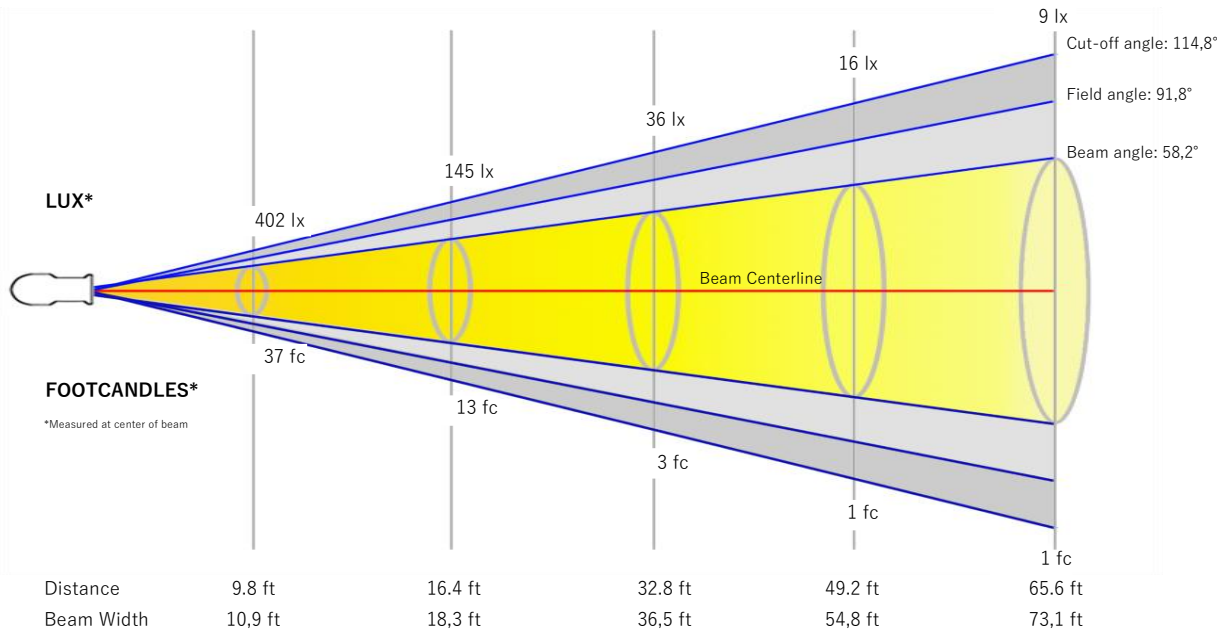
15 m
16,7 m

20 m
22,3 m

10 m
11,1 m

15 m
16,7 m

20 m
22,3 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	3616	904	402	226	145	100	74	56	45	36	30	25	21	18	16	14	13	11	10	9
FC	335,9	84	37,3	21	13,4	9,3	6,9	5,2	4,1	3,4	2,8	2,3	2	1,7	1,5	1,3	1,2	1	0,9	0,8