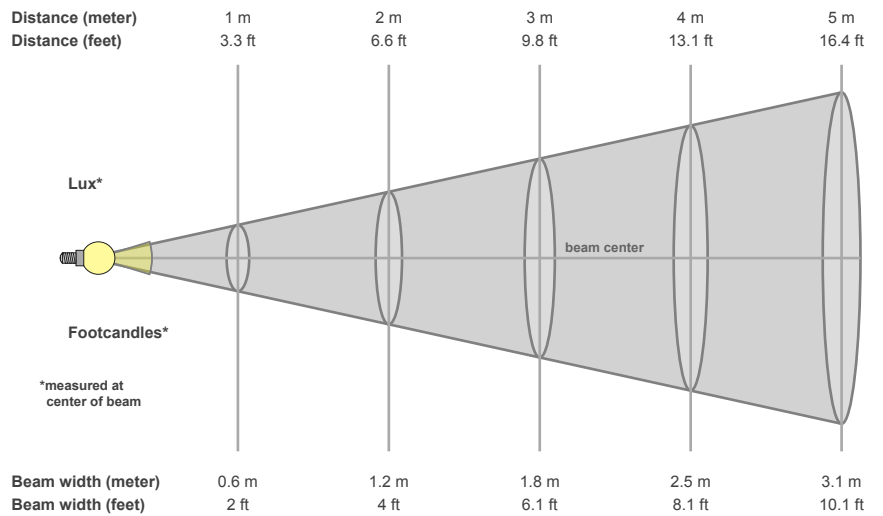
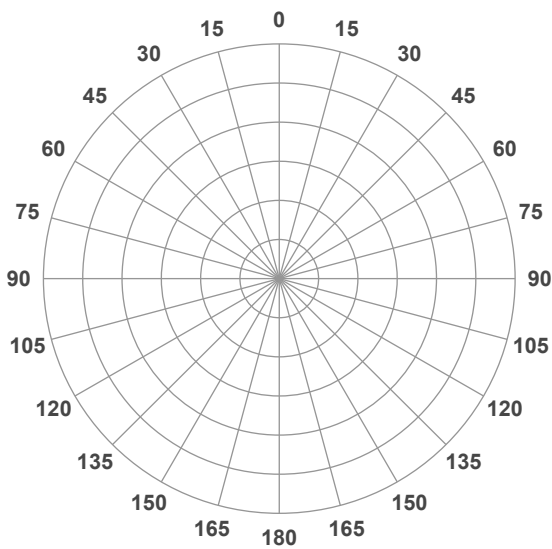
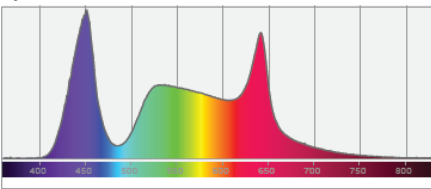
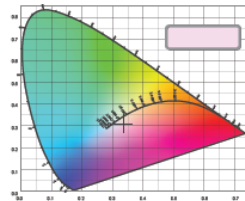




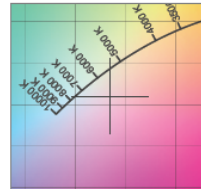
Spectral distribution



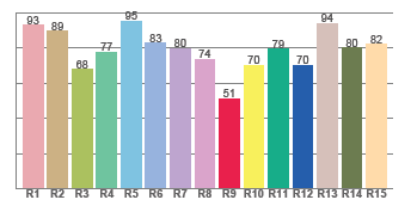
Color coordinates



Zoom color point



CRI R values



Photometric Test Report

*Due to additional product enhancements, an updated version of this report may be available online. Please check www.adj.com for the latest revision/update of this report.

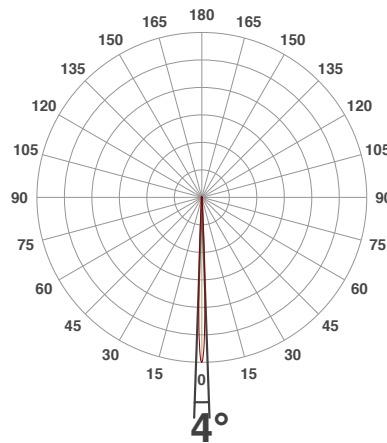
1 Lumen/Watt

621 nm

1.39 lm

2.3 W

212 cd



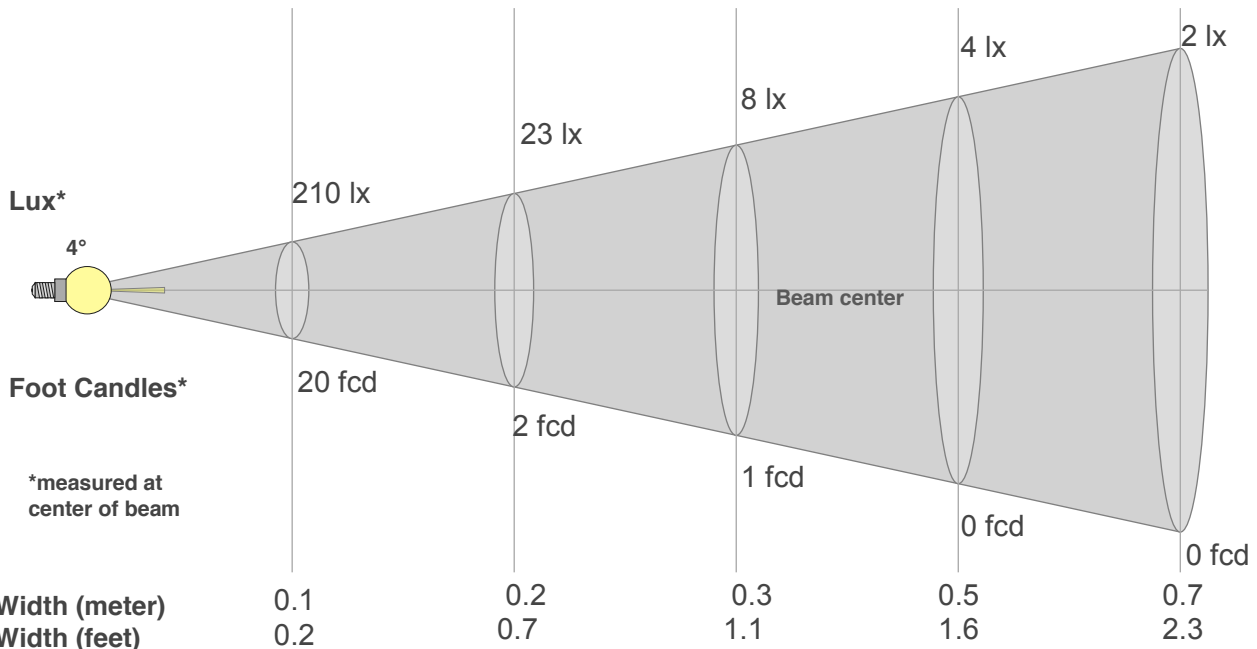
1
3.3

3
9.8

5
16.4

7
22.9

10
32.8

[illegible]

Pinpoint GO



Light Efficiency:

5 Lumen/Watt

Dominant Wavelength:

548 nm

Output:

10.4 lm

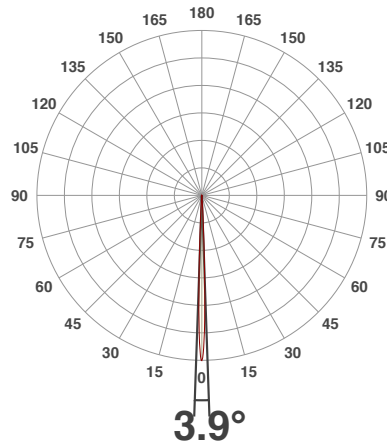
Power:

2.3 W

Peak:

1660 cd

Beam Angle



Test:

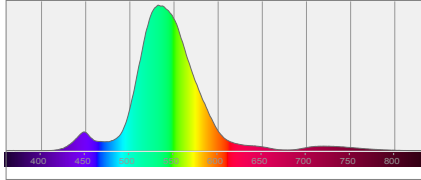
Green

Date:

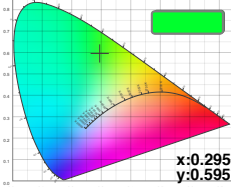
2/11/2019

Note:

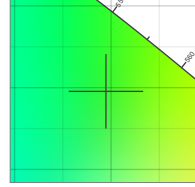
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

1

Distance (feet)

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

3.9°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

0.1

0.2

0.2

0.7

0.3

1.1

0.5

1.6

0.7

2.3

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
3.9°	6.9°	9.6°	100.0%	100.0%

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	1637	409	182	102	65	45	33	26	20	16	14	11	10	8	7	6	6	5	5	4
fcd	152.1	38	16.9	9.5	6.1	4.2	3.1	2.4	1.9	1.5	1.3	1.1	0.9	0.8	0.7	0.6	0.5	0.5	0.4	0.4

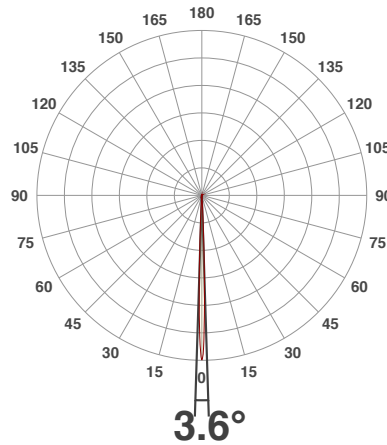
0 Lumen/Watt

451 nm

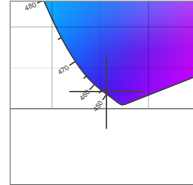
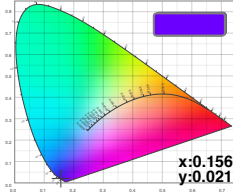
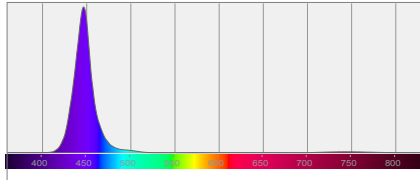
0.406 lm

2.3 W

65.3 cd



Note:



The diagram illustrates the beam spread of a 3.6-degree light source. It shows a cone of light originating from a point source (represented by a light bulb icon) and expanding as it travels. The beam is divided into five cross-sections at distances of 0.1, 0.2, 0.3, 0.4, and 0.6 meters (0.2, 0.6, 1, 1.4, and 2.1 feet). The light intensity is measured in Lux (lx) and Foot Candles (fcd) at the center of the beam. The intensity decreases as the distance increases, while the beam width increases.

Distance (m)	Distance (ft)	Beam Width (m)	Beam Width (ft)	Intensity (Lux)	Intensity (Foot Candles)
0.1	0.2	0.12	0.4	65 lx	6 fcd
0.2	0.6	0.24	0.8	7 lx	1 fcd
0.3	1	0.36	1.2	3 lx	0 fcd
0.4	1.4	0.48	1.6	1 lx	0 fcd
0.6	2.1	0.72	2.4	1 lx	0 fcd

*measured at center of beam

[illegible]

Pinpoint GO



Light Efficiency:

7 Lumen/Watt

Light Quality:

CRI: 56.4

Color Temperature:

2837 K

Output: 16.6 lm

Peak: 2652 cd

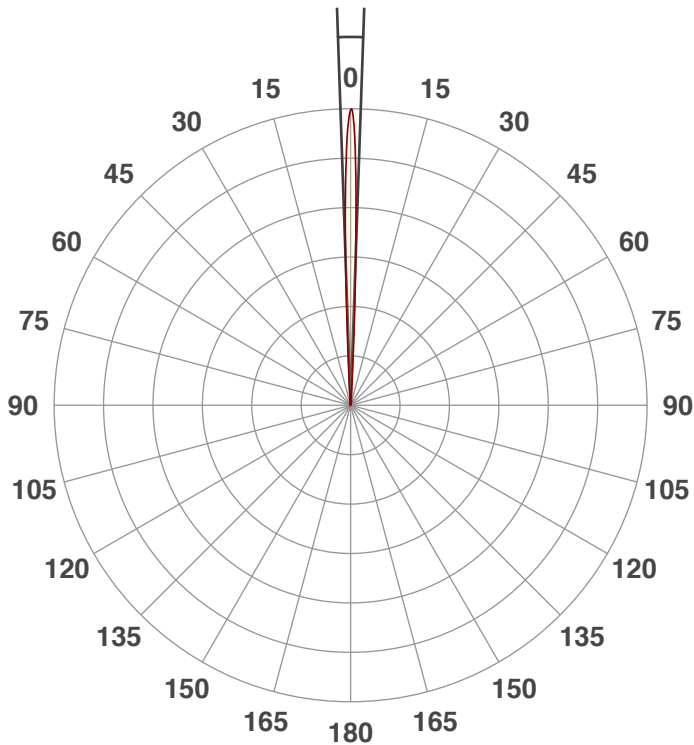
Power: 2.3 W

PF: 0.41



Beam Angle

3.9°



Test:

Amber

Date:

2/11/2019

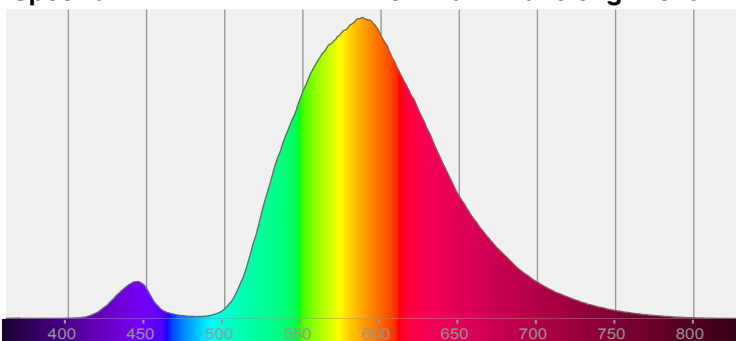
Note:



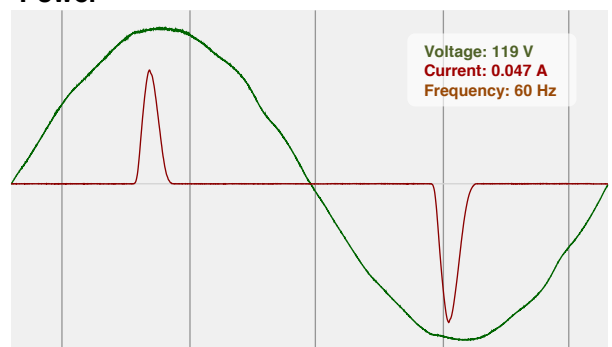
CIE 1931
x: 0.483
y: 0.472

Spectra

Dominant Wavelength: 579nm

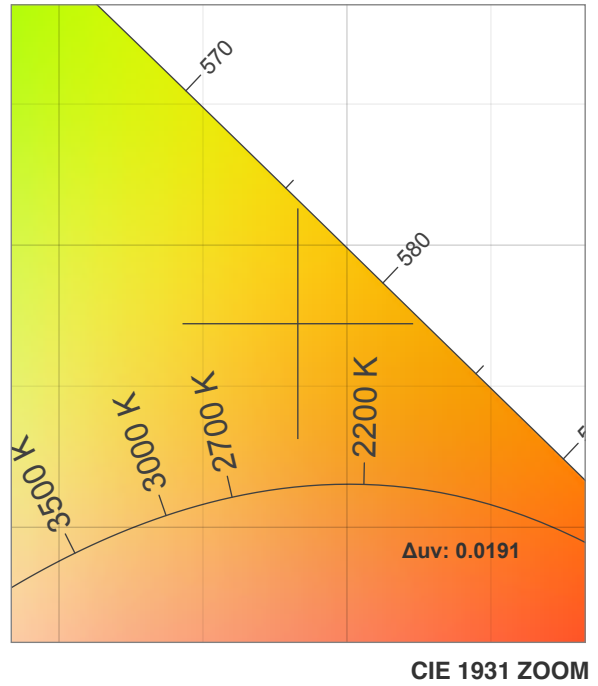
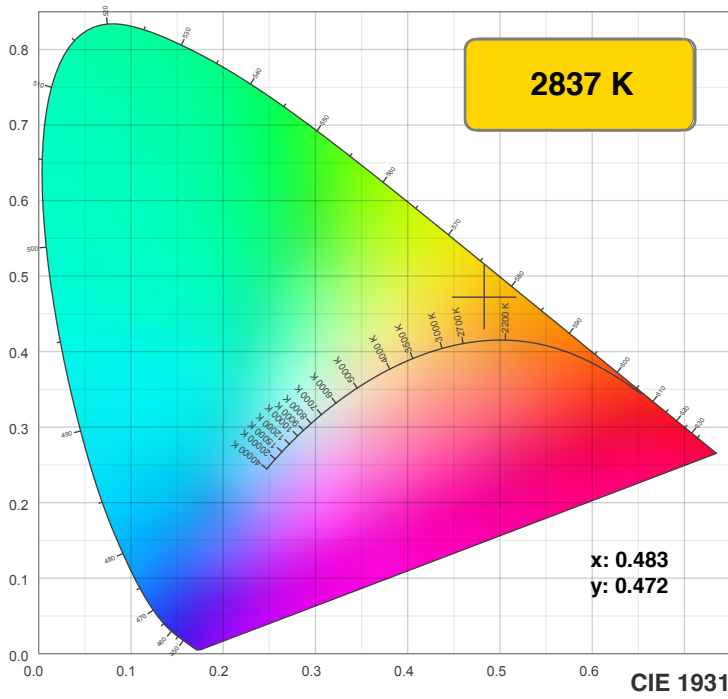


Power

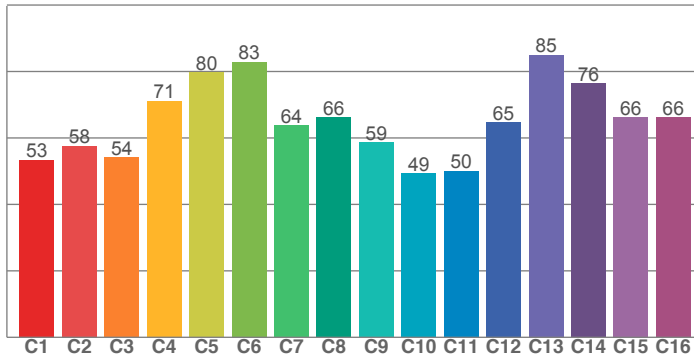


Voltage: 119 V
Current: 0.047 A
Frequency: 60 Hz

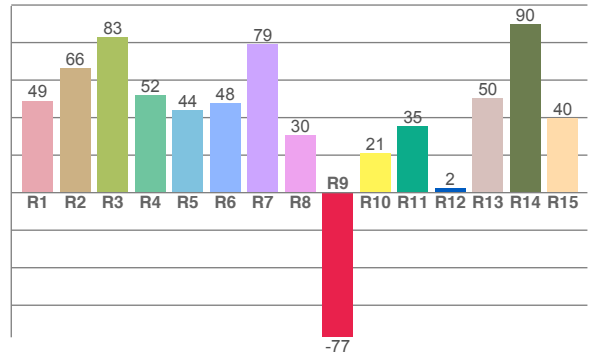
Color Details



TM30: 64.3



CRI: 56.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
49.0	66.1	82.7	52.0	44.1	47.8	79.3	30.5	-77.1	21.0	35.4	2.2	50.5	89.6	39.7

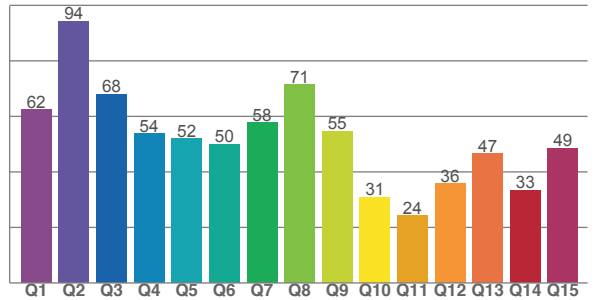
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
53.4	57.6	54.2	71.2	79.7	82.9	63.8	66.1	58.6	49.2	50.1	64.7	85.0	76.4	66.2	66.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
62.5	94.4	68.0	53.7	51.9	49.9	57.7	71.5	54.6	30.9	24.3	35.7	46.5	33.4	48.6

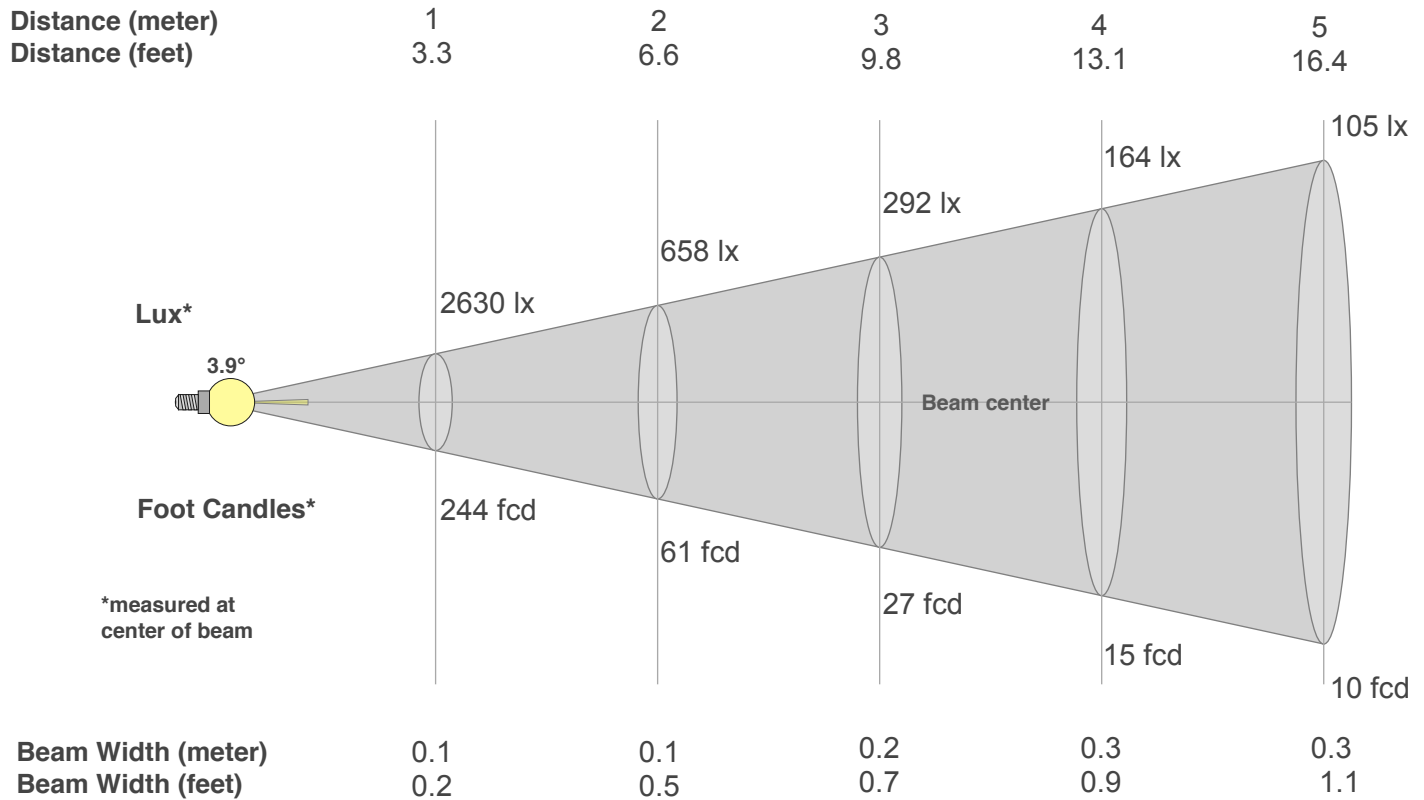
CQS: 49.0



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
2837 K	56.4	-77.1	64.3	77.8	49.0	0.483	0.472	0.251	0.368	0.0191

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
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	2630	658	292	164	105	73	54	41	32	26	22	18	16	13	12	10	9	8	7	7
fcd	244.4	61.1	27.2	15.3	9.8	6.8	5	3.8	3	2.4	2	1.7	1.4	1.2	1.1	1	0.8	0.8	0.7	0.6

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2630	2219	1284	387	112	55	38	28	21	18	14	12	10	7	5	4	3	2	2	1
100%	84%	49%	15%	4%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2630	2219	1284	387	112	55	38	28	21	18	14	12	10	7	5	4	3	2	2	1
100%	84%	49%	15%	4%	2%	1%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2630	2311	1289	449	130	64	43	32	24	19	16	13	10	7	6	5	4	3	2	1
100%	88%	49%	17%	5%	2%	2%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
2630	2311	1289	449	130	64	43	32	24	19	16	13	10	7	6	5	4	3	2	1
100%	88%	49%	17%	5%	2%	2%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
3.9°	6.7°	9.5°	100.0%	100.0%

Pinpoint GO



Light Efficiency:

7 Lumen/Watt

Light Quality:

CRI: 71.2

Color Temperature:

6773 K

Output: 30.5 lm

Peak: 968 cd

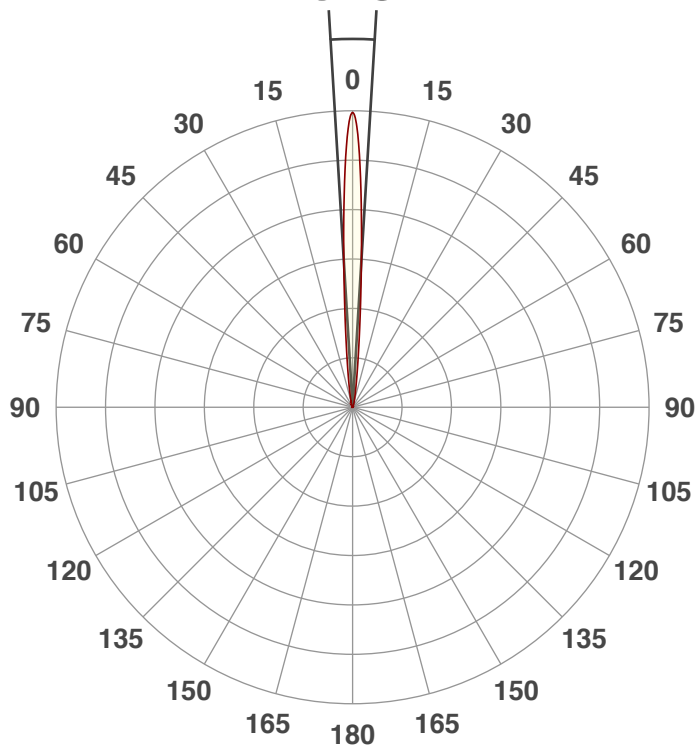
Power: 4.4 W

PF: 0.47



Beam Angle

6.9°



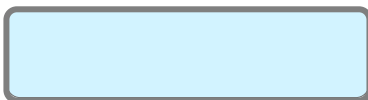
Test:

15Deg

Date:

2/11/2019

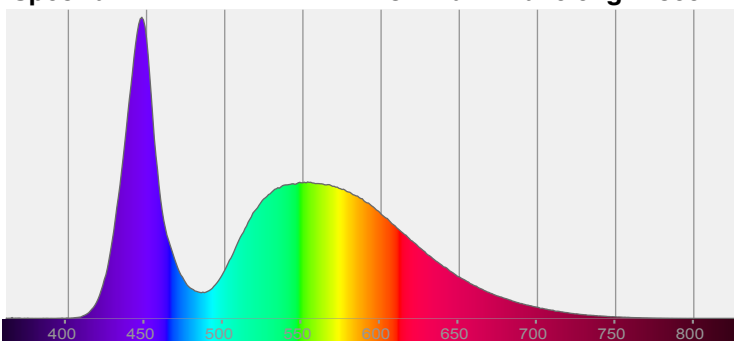
Note:



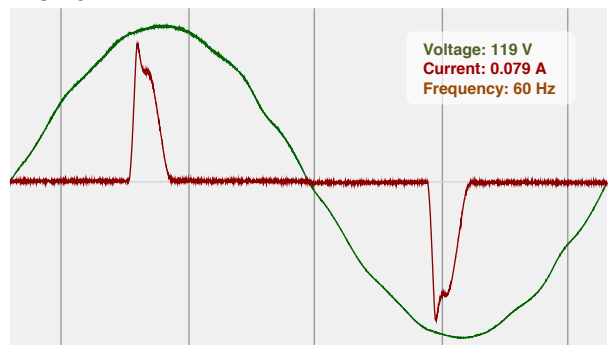
CIE 1931
x: 0.310
y: 0.318

Spectra

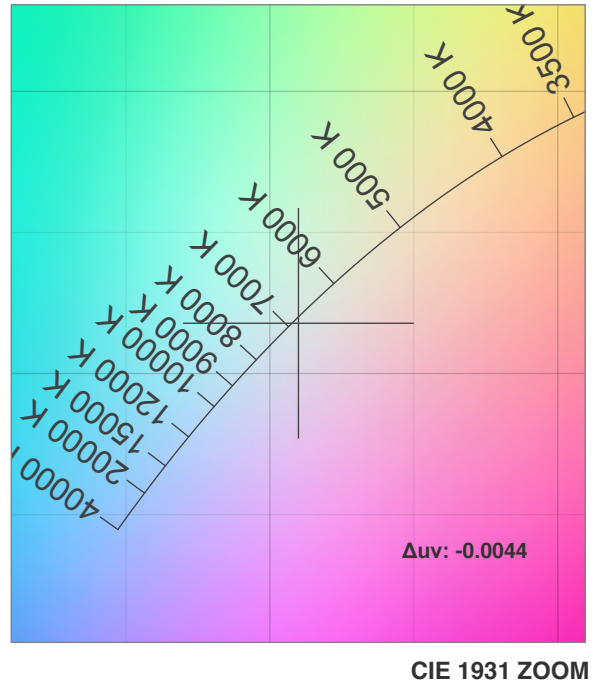
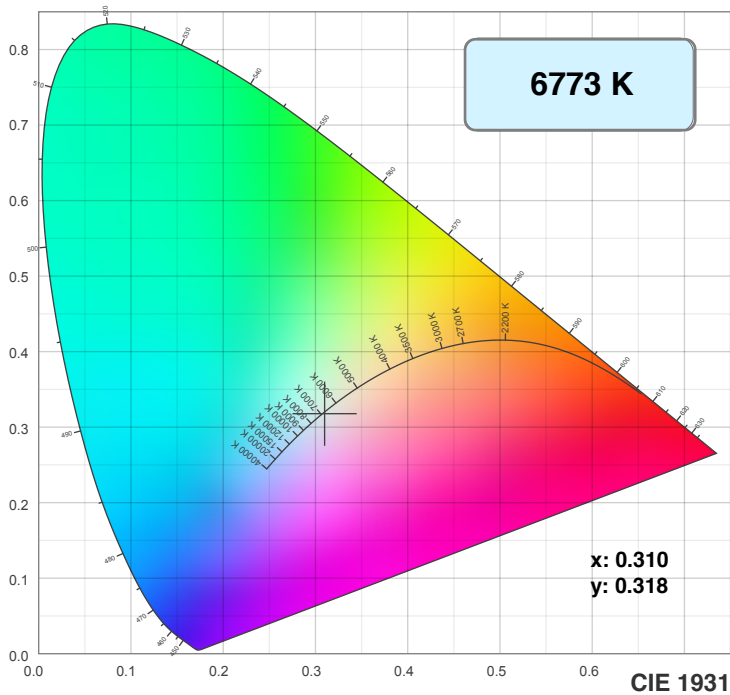
Dominant Wavelength: 360nm



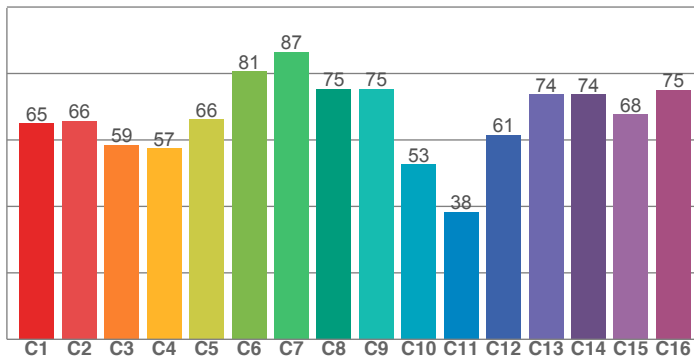
Power



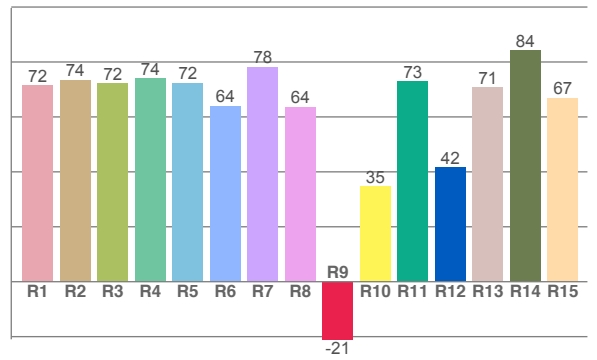
Color Details



TM30: 66.5



CRI: 71.2 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
71.5	73.5	72.2	74.1	72.4	64.1	78.3	63.7	-21.0	34.8	73.0	41.6	70.7	84.1	66.9

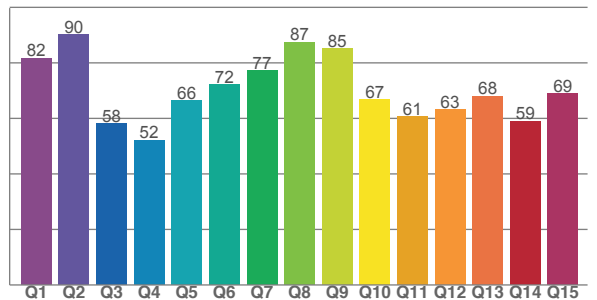
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.9	65.7	58.5	57.5	66.2	80.6	86.5	75.3	75.3	52.6	38.4	61.5	73.7	73.6	67.7	75.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.7	90.1	58.2	52.2	66.4	72.2	77.2	87.5	85.1	66.7	60.6	63.2	67.9	59.0	68.9

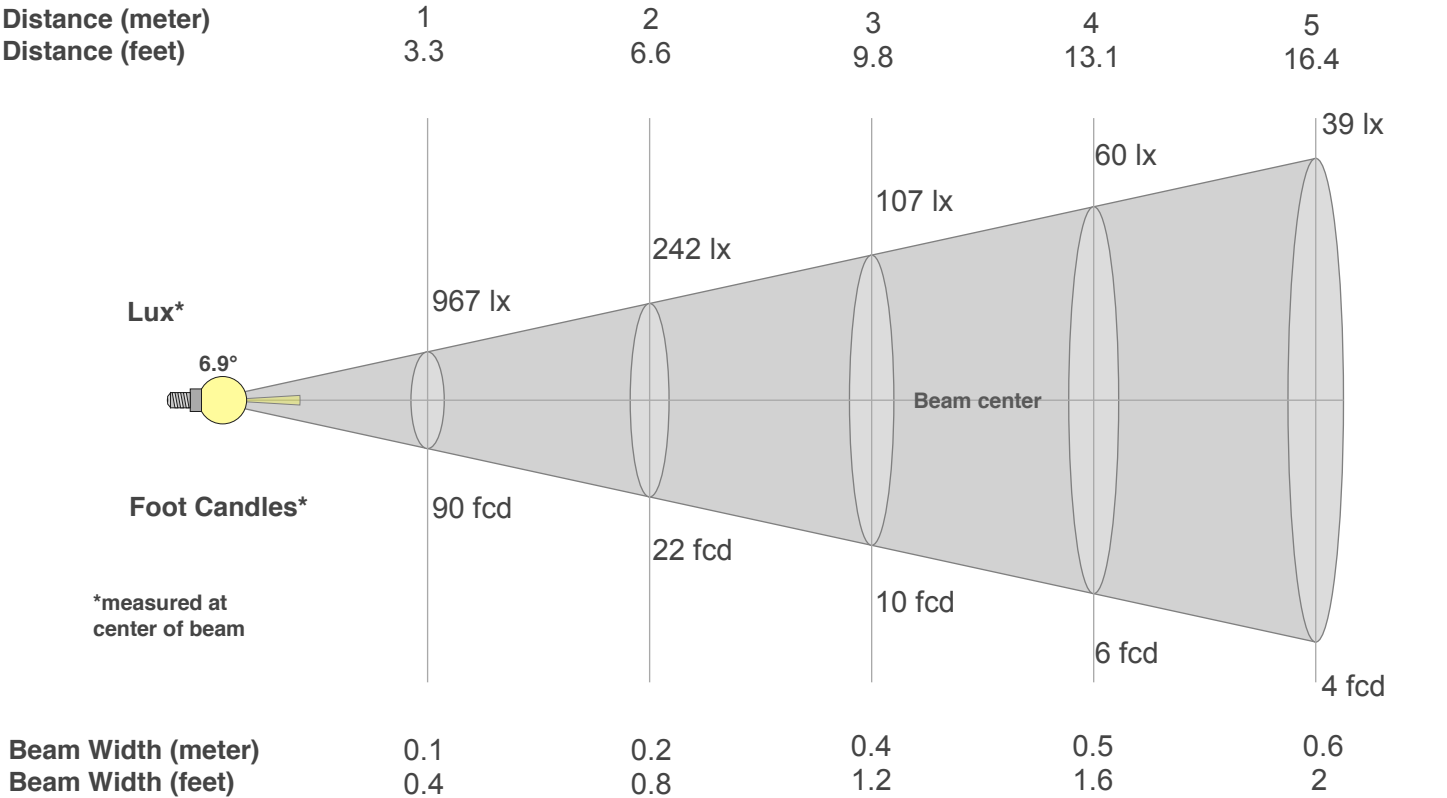
CQS: 68.4



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Diviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6773 K	71.2	-21.0	66.5	95.8	68.4	0.310	0.318	0.200	0.308	-0.0044

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
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	967	242	107	60	39	27	20	15	12	10	8	7	6	5	4	4	3	3	3	2
fcd	89.9	22.5	10	5.6	3.6	2.5	1.8	1.4	1.1	0.9	0.7	0.6	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2

Intensities in 0° C-plane																			
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
967	904	747	561	396	274	191	137	100	76	58	46	37	30	25	22	19	17	14	12
100%	93%	77%	58%	41%	28%	20%	14%	10%	8%	6%	5%	4%	3%	3%	2%	2%	2%	1%	1%

Intensities in 90° C-plane																			
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
967	904	747	561	396	274	191	137	100	76	58	46	37	30	25	22	19	17	14	12
100%	93%	77%	58%	41%	28%	20%	14%	10%	8%	6%	5%	4%	3%	3%	2%	2%	2%	1%	1%

Intensities in 180° C-plane																			
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
967	905	749	561	394	273	189	134	98	74	57	45	37	30	25	22	19	16	14	13
100%	94%	77%	58%	41%	28%	20%	14%	10%	8%	6%	5%	4%	3%	3%	2%	2%	2%	1%	1%

Intensities in 270° C-plane																			
0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
967	905	749	561	394	273	189	134	98	74	57	45	37	30	25	22	19	16	14	13
100%	94%	77%	58%	41%	28%	20%	14%	10%	8%	6%	5%	4%	3%	3%	2%	2%	2%	1%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
6.9°	16.2°	28.4°	99.9%	99.8%

Pinpoint GO



Light Efficiency:

6 Lumen/Watt

Light Quality:

CRI: 71.4

Color Temperature:

6953 K

Output: 27.7 lm

Peak: 5232 cd

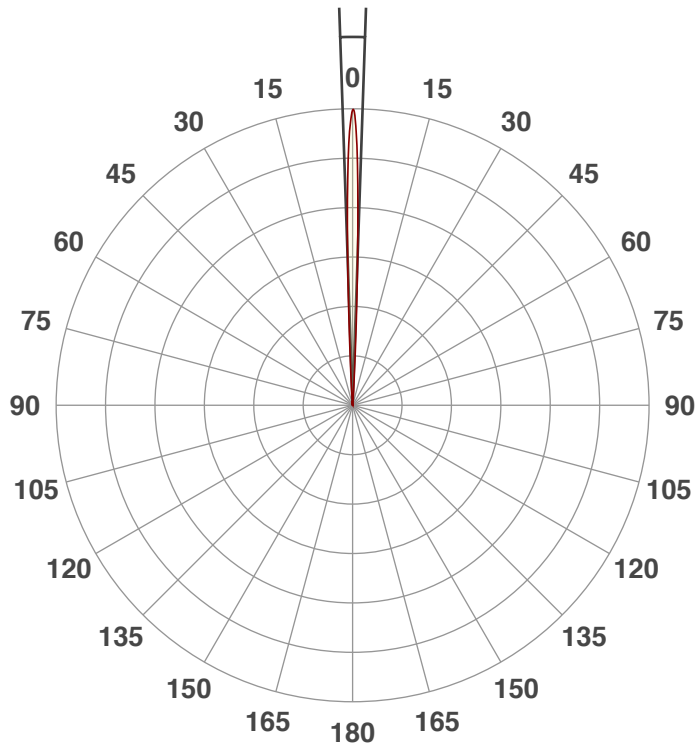
Power: 4.6 W

PF: 0.47



Beam Angle

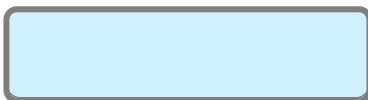
3.9°



Test:

Date:
2/11/2019

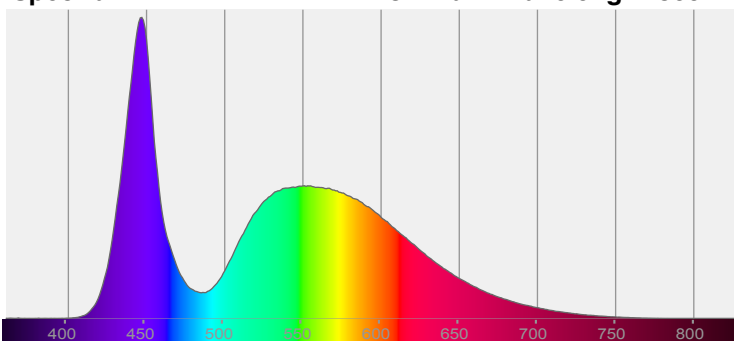
Note:



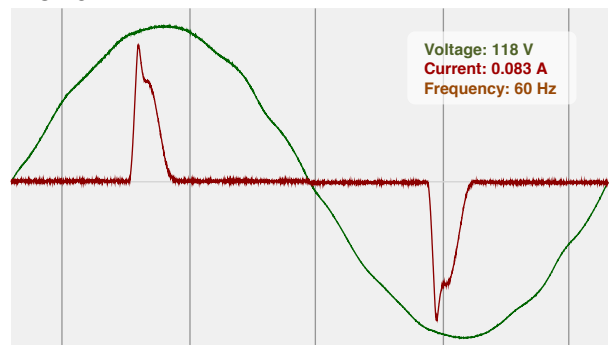
CIE 1931
x: 0.308
y: 0.315

Spectra

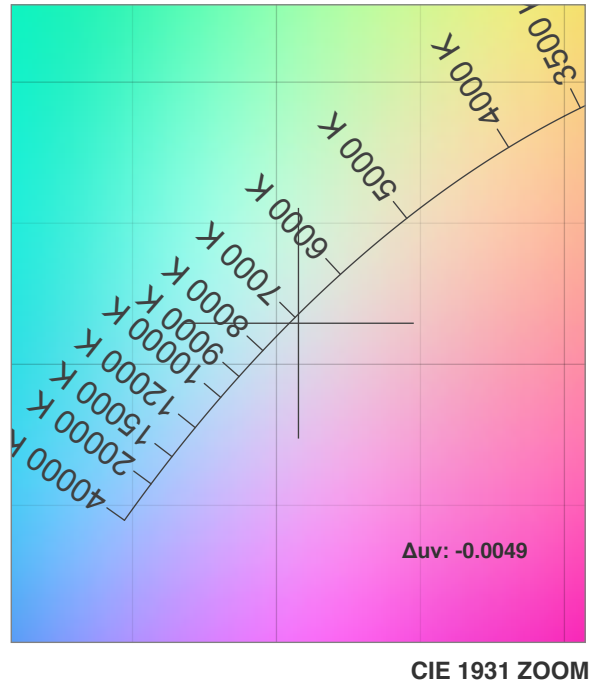
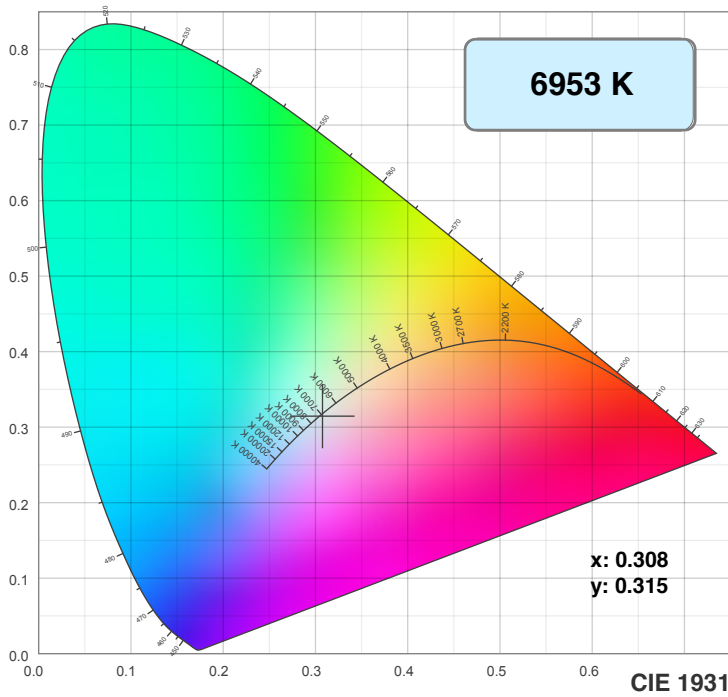
Dominant Wavelength: 360nm



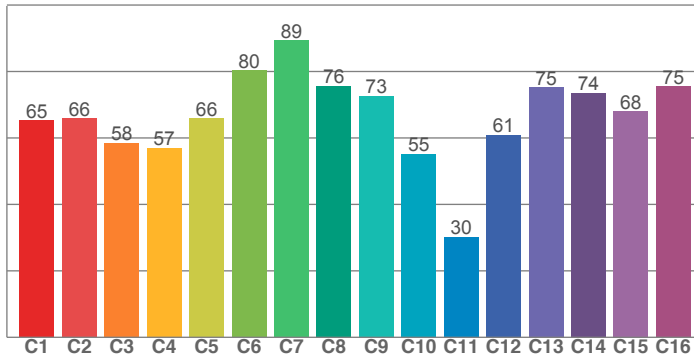
Power



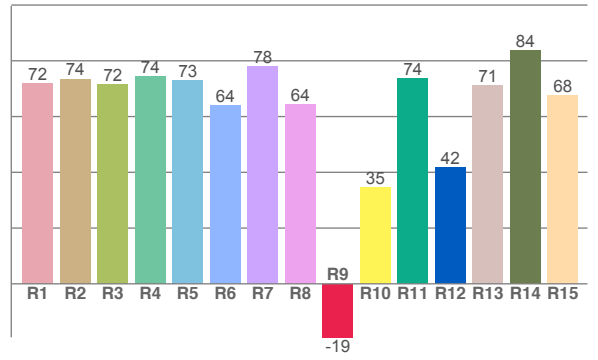
Color Details



TM30: 66.4



CRI: 71.4 (R1-R8)



CRI R values, only R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
72.0	73.5	71.6	74.4	73.0	64.1	78.1	64.4	-19.2	34.5	73.7	41.9	71.1	83.8	67.6

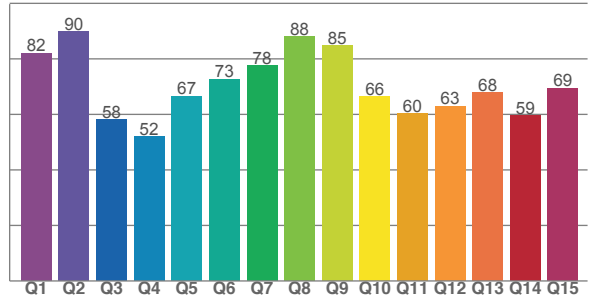
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.3	65.8	58.4	57.1	65.8	80.3	89.3	75.7	72.7	55.2	30.1	60.9	75.3	73.5	68.1	75.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.1	89.9	58.1	52.0	66.6	72.7	77.6	87.9	84.7	66.3	60.2	62.9	67.9	59.4	69.5

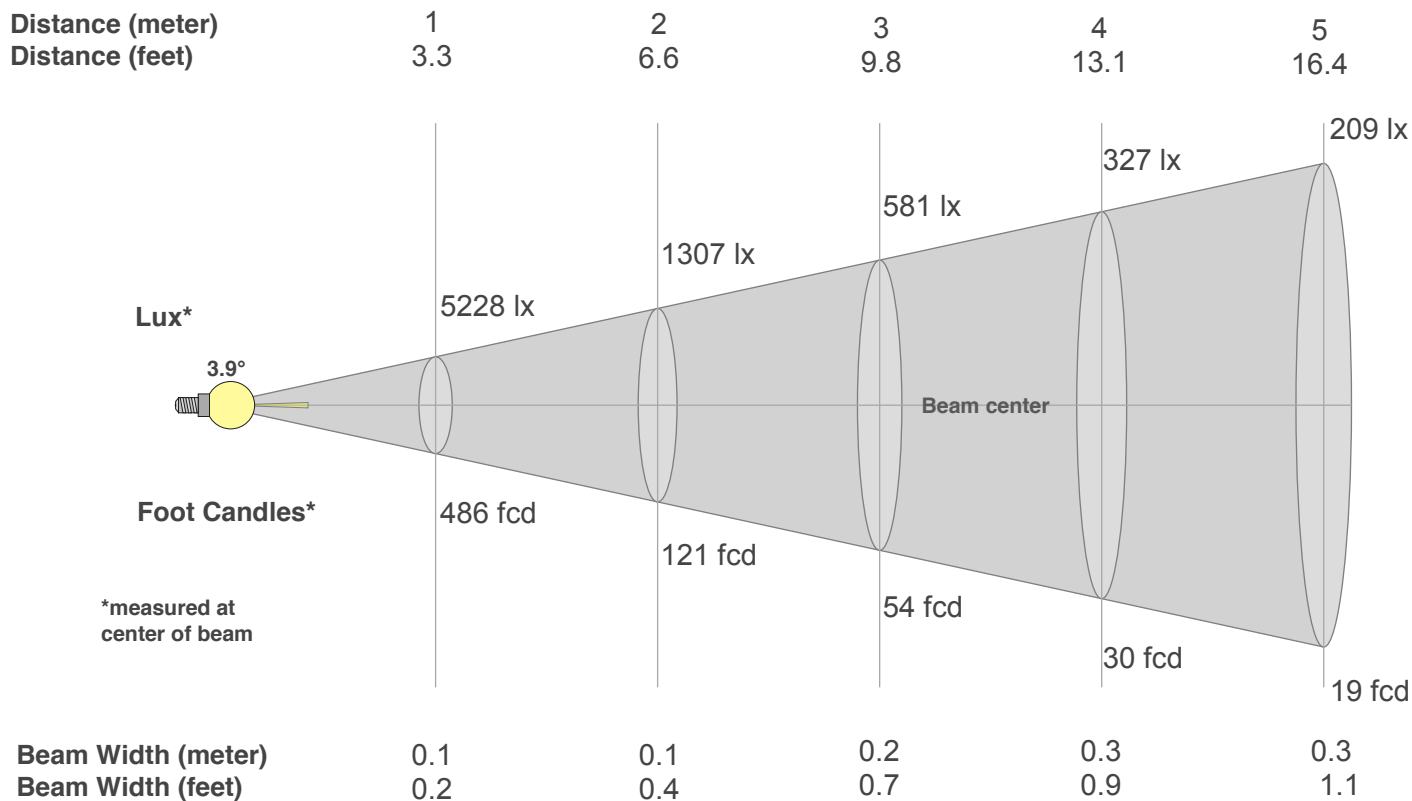
CQS: 68.4



Color Parameters

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate	Color Coordinate	Color Deviation from Black Body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
6953 K	71.4	-19.2	66.4	95.6	68.4	0.308	0.315	0.200	0.306	-0.0049

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
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	5228	1307	581	327	209	145	107	82	65	52	43	36	31	27	23	20	18	16	14	13
fcd	485.7	121.4	54	30.4	19.4	13.5	9.9	7.6	6	4.9	4	3.4	2.9	2.5	2.2	1.9	1.7	1.5	1.3	1.2

Intensities in 0° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5228	4385	2466	750	178	79	47	30	19	12	8	5	4	3	1	0	0	0	0	0
100%	84%	47%	14%	3%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 90° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5228	4385	2466	750	178	79	47	30	19	12	8	5	4	3	1	0	0	0	0	0
100%	84%	47%	14%	3%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5228	4507	2474	810	205	91	55	37	24	15	10	5	4	3	2	1	0	0	0	0
100%	86%	47%	15%	4%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Intensities in 270° C-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
5228	4507	2474	810	205	91	55	37	24	15	10	5	4	3	2	1	0	0	0	0
100%	86%	47%	15%	4%	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
3.9°	6.5°	8.8°	100.0%	100.0%