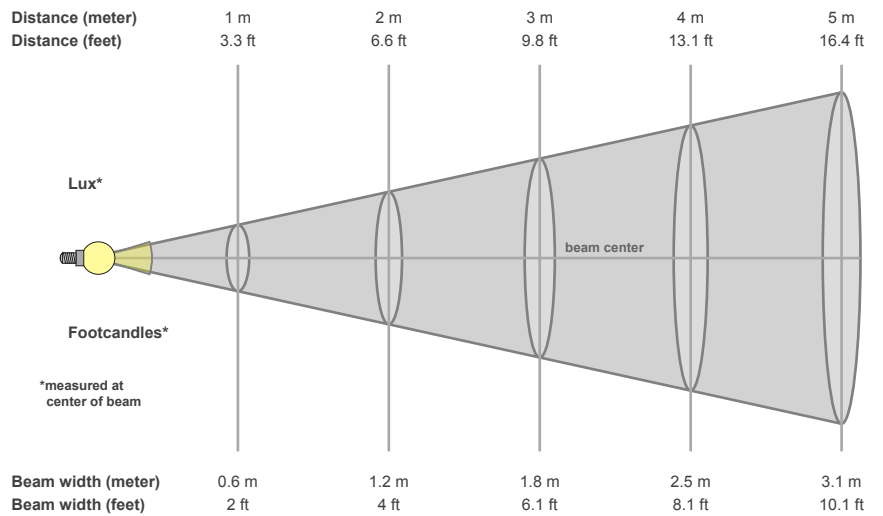
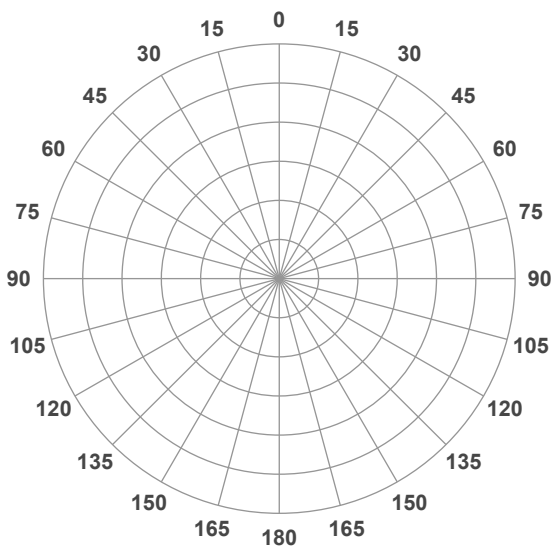
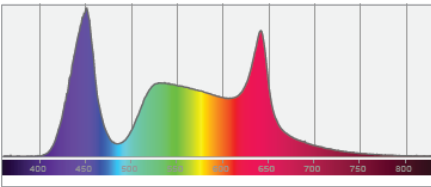
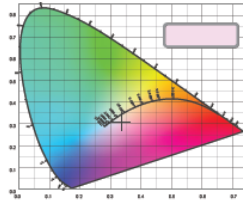




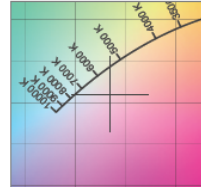
Spectral distribution



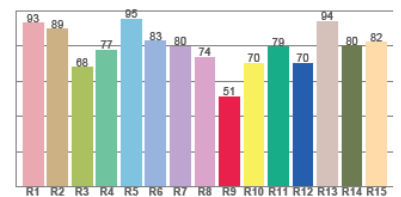
Color coordinates



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.

COB Cannon Wash ST



Light Efficiency:

20 Lumen/Watt

Dominant Wavelength:

360 nm

Output:

2736 lm

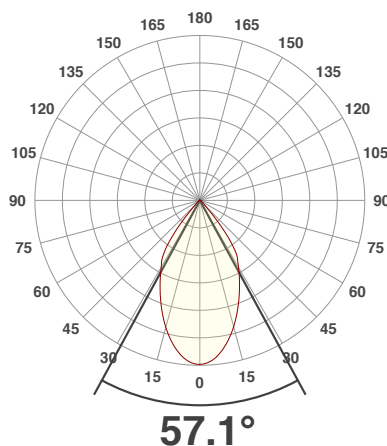
Power:

139 W

Peak:

3166 cd

Beam Angle



Test:

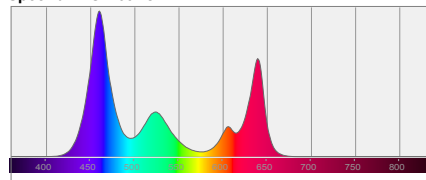
Full On

Date:

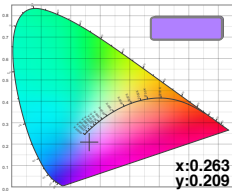
9/28/2018

Note:

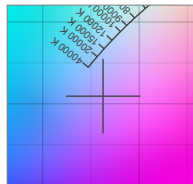
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

57.1°

Foot Candles*

*measured at
center of beam

3162 lx

294 fcd

1.1

3.6

351 lx

33 fcd

3.3

10.7

126 lx

12 fcd

5.4

17.9

65 lx

6 fcd

7.6

24.9

32 lx

3 fcd

10.9

35.7

Beam Width (meter)

Beam Width (feet)

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
57.1°	84.3°	102°	99.4%	96.0%

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	3162	790	351	198	126	88	65	49	39	32	26	22	19	16	14	12	11	10	9	8
fcd	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

COB Cannon Wash ST



Light Efficiency:

21 Lumen/Watt

Dominant Wavelength:

360 nm

Output:

3217 lm

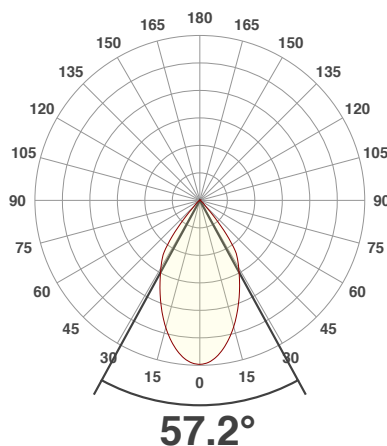
Power:

151.5 W

Peak:

3718 cd

Beam Angle



Test:

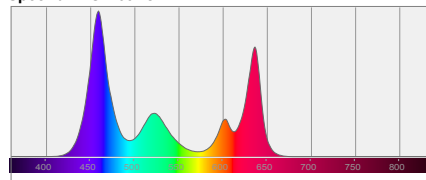
Full On

Date:

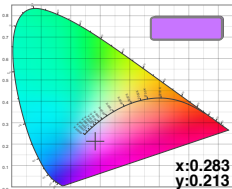
9/28/2018

Note:

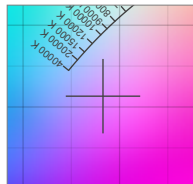
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1 3 5 7 10
3.3 9.8 16.4 22.9 32.8

Lux*

57.2°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

1.1 3.3 5.5 7.6 10.9
3.6 10.7 17.9 25 35.8

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
57.2°	84.6°	101.9°	99.4%	96.0%

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	3716	929	413	232	149	103	76	58	46	37	31	26	22	19	17	15	13	11	10	9
fcd	345.2	86.3	38.4	21.6	13.8	9.6	7	5.4	4.3	3.5	2.9	2.4	2	1.8	1.5	1.3	1.2	1.1	1	0.9

COB Cannon Wash ST



Light Efficiency:

26 Lumen/Watt

Dominant Wavelength:

623 nm

Output:

911 lm

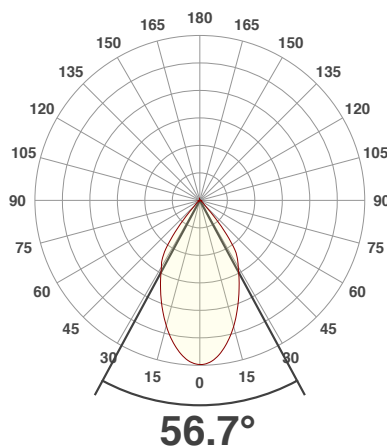
Power:

35.3 W

Peak:

1060 cd

Beam Angle



Test:

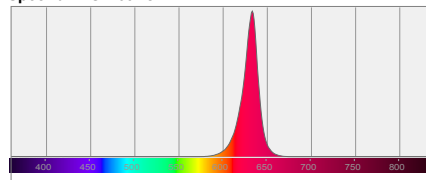
Red

Date:

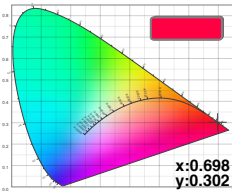
9/28/2018

Note:

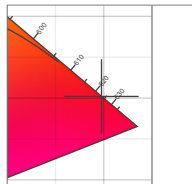
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1 3 5 7 10
3.3 9.8 16.4 22.9 32.8

Lux*

56.7°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

1.1 3.2 5.4 7.6 10.8
3.6 10.6 17.7 24.7 35.4

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
56.7°	84.5°	101.8°	99.2%	95.9%

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	1059	265	118	66	42	29	22	17	13	11	9	7	6	5	5	4	4	3	3	3
fcd	98.4	24.6	10.9	6.1	3.9	2.7	2	1.5	1.2	1	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.2

COB Cannon Wash ST



Light Efficiency:

36 Lumen/Watt

Dominant Wavelength:

528 nm

Output:

1644 lm

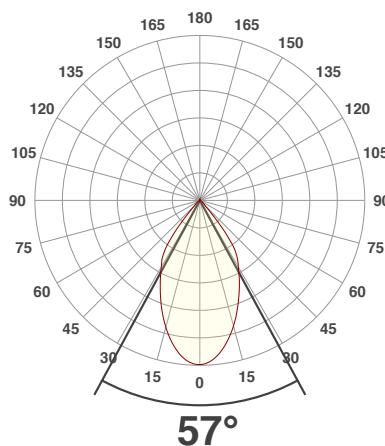
Power:

45.7 W

Peak:

1885 cd

Beam Angle



Test:

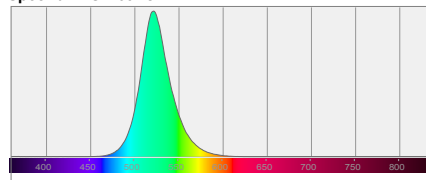
Green

Date:

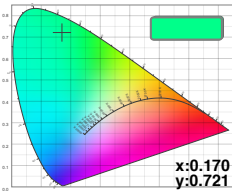
9/28/2018

Note:

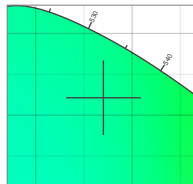
Spectral Distribution



Color Coordinates



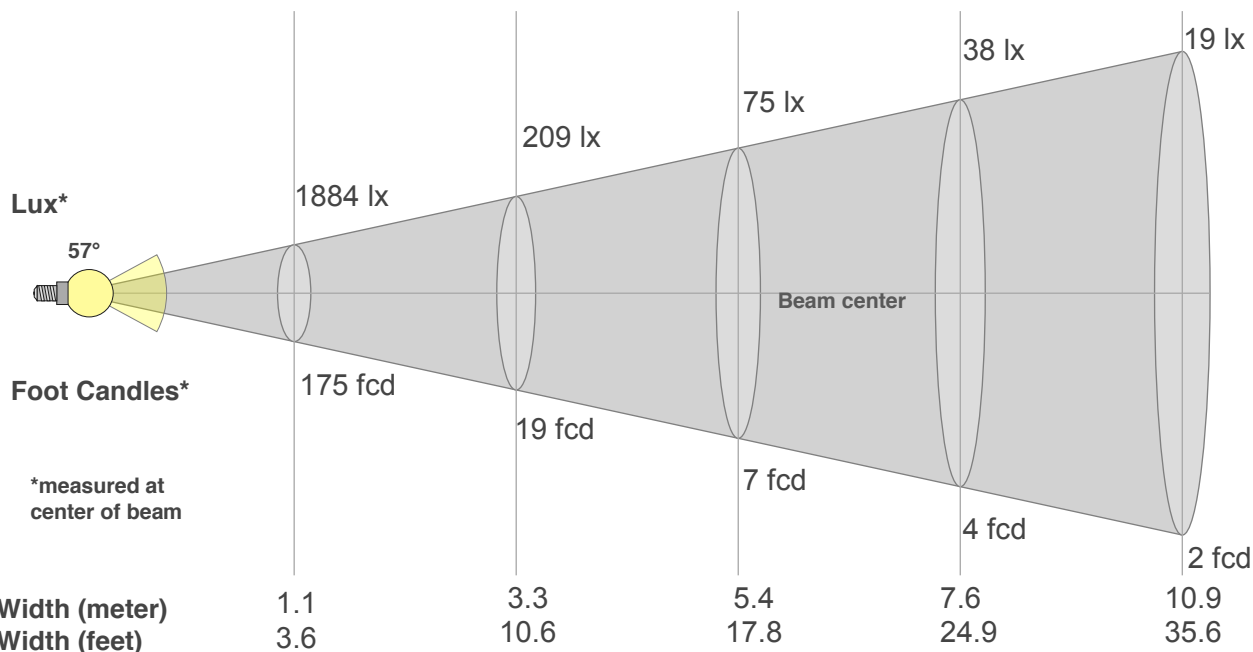
Zoom Color Point



Distance (meter)

Distance (feet)

Distance (meter)	1	3	5	7	10
Distance (feet)	3.3	9.8	16.4	22.9	32.8



*measured at center of beam

Beam Width (meter)

Beam Width (feet)

Beam Width (meter)	1.1	3.3	5.4	7.6	10.9
Beam Width (feet)	3.6	10.6	17.8	24.9	35.6

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
57°	84°	105.3°	98.9%	95.0%

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	1884	471	209	118	75	52	38	29	23	19	16	13	11	10	8	7	7	6	5	5
fcd	175.1	43.8	19.5	10.9	7	4.9	3.6	2.7	2.2	1.8	1.4	1.2	1	0.9	0.8	0.7	0.6	0.5	0.5	0.4

COB Cannon Wash ST



Light Efficiency:

8 Lumen/Watt

Dominant Wavelength:

462 nm

Output:

368 lm

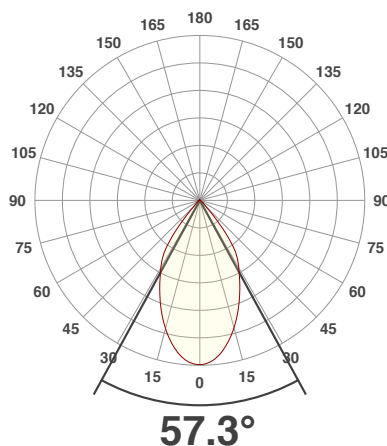
Power:

47.9 W

Peak:

418 cd

Beam Angle



Test:

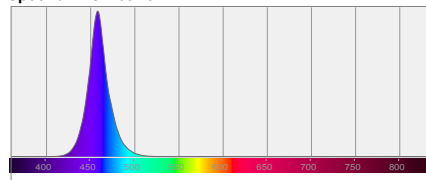
Blue

Date:

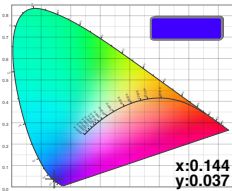
9/28/2018

Note:

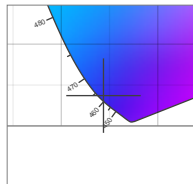
Spectral Distribution



Color Coordinates



Zoom Color Point



Distance (meter)

Distance (feet)

1

3.3

3

9.8

5

16.4

7

22.9

10

32.8

Lux*

57.3°

Foot Candles*

*measured at
center of beam

Beam Width (meter)

Beam Width (feet)

1.1

3.6

3.3

10.7

5.5

17.9

7.7

25

10.9

35.8

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
57.3°	85.1°	105.2°	98.7%	94.7%

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	418	104	46	26	17	12	9	7	5	4	3	3	2	2	2	2	1	1	1	1
fcd	38.8	9.7	4.3	2.4	1.6	1.1	0.8	0.6	0.5	0.4	0.3	0.3	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1

COB Cannon Wash ST



Light Efficiency:

20 Lumen/Watt

Light Quality:

CRI: -20.7

Color Temperature:

1433 K

Output: 721 lm

Peak: 810 cd

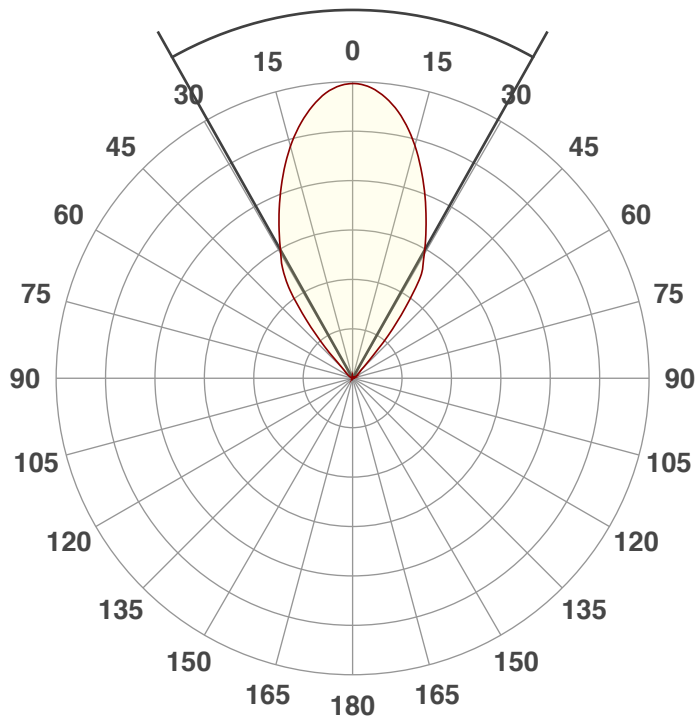
Power: 36.6 W

PF: 0.96



Beam Angle

58.7°



Test:

Amber

Date:

9/28/2018

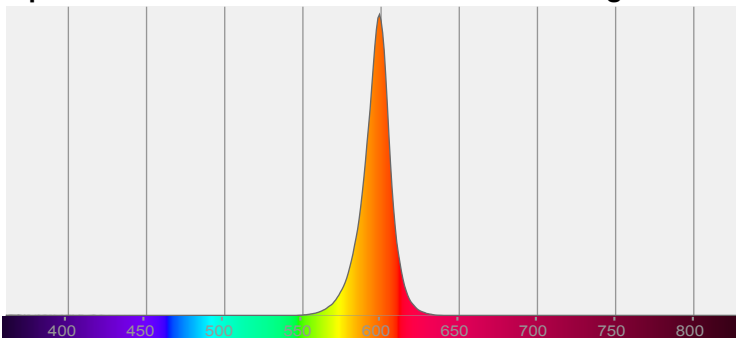
Note:



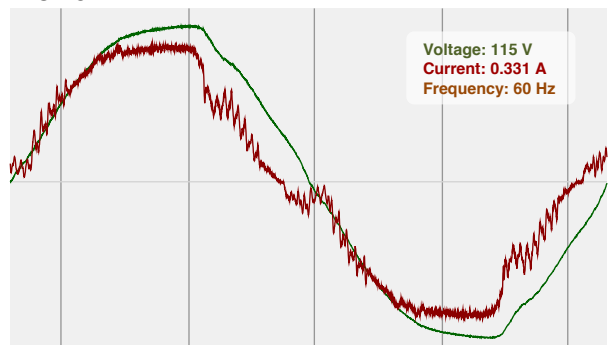
CIE 1931
x: 0.603
y: 0.397

Spectra

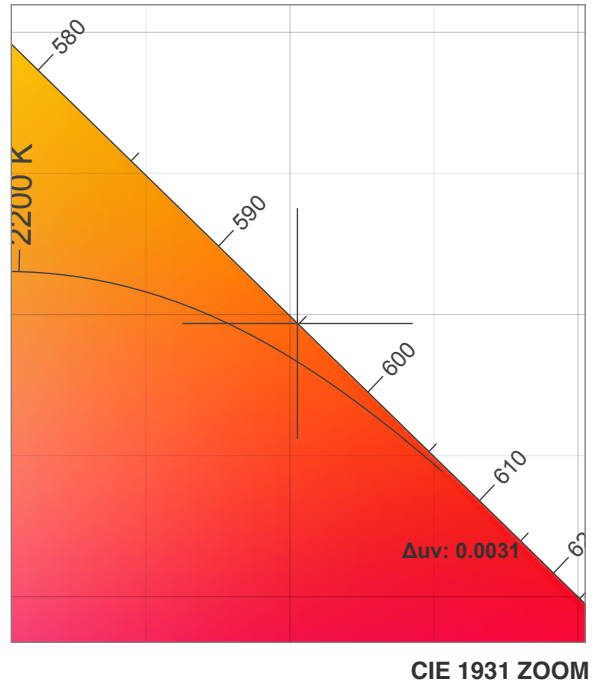
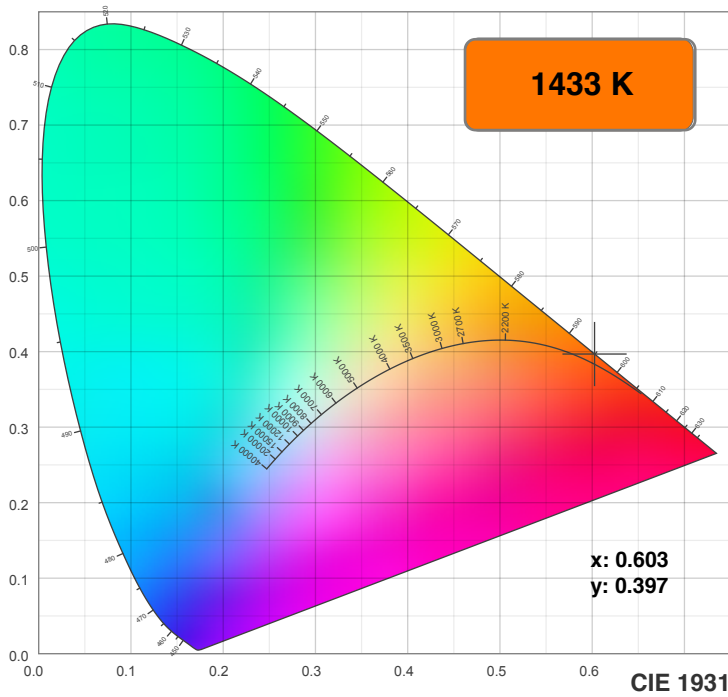
Dominant Wavelength: 595nm



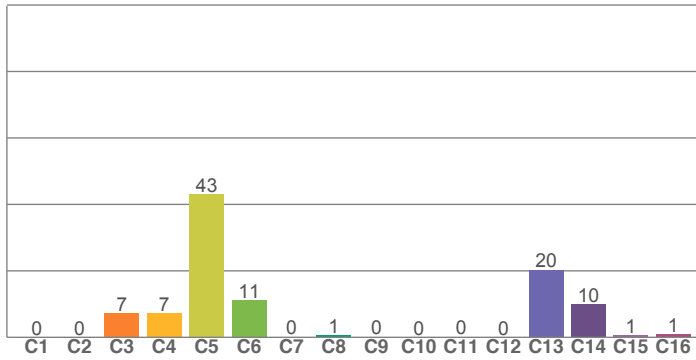
Power



Color Details



TM30: 0.4



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
-31.4	55.9	13.2	-67.9	-40.5	49.9	-10.1	-134.3	-374.4	36.7	-91.7	4.3	-11.2	44.1	-65.8

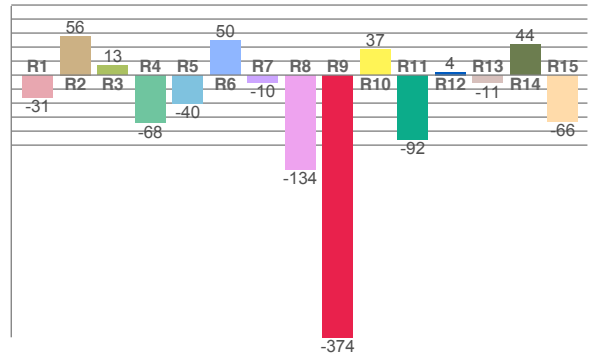
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	7.2	7.2	43.0	11.2	0.1	0.5	0.1	0.0	0.1	0.0	20.3	9.8	0.6	0.8

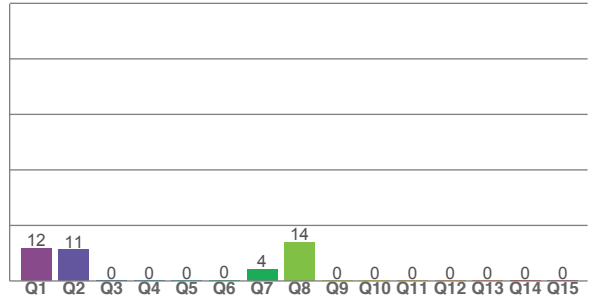
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.9	11.2	0.0	0.0	0.0	0.2	4.2	14.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1

CRI: -20.7 (R1-R8)



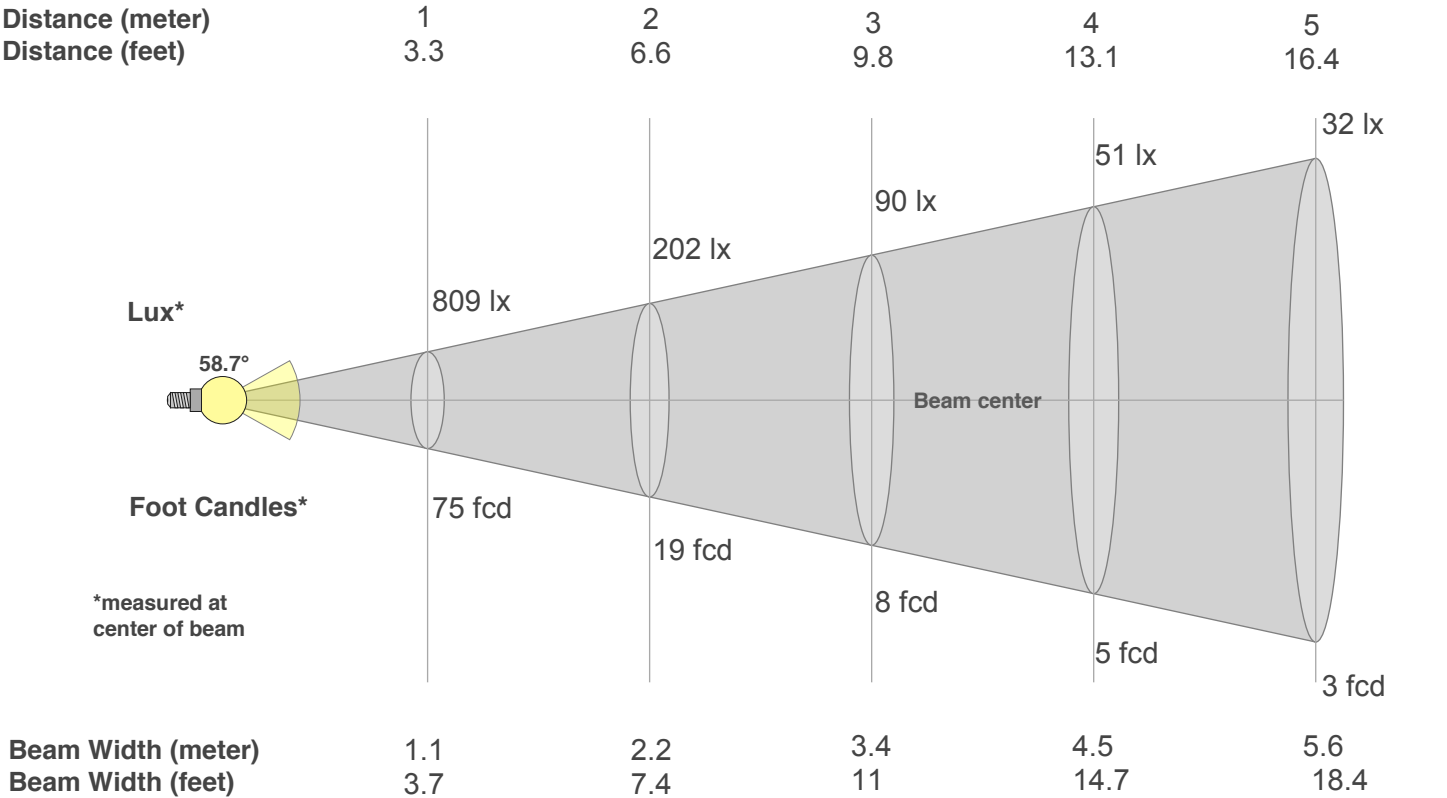
CQS: 0.0



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
1433 K	-20.7	-374.4	0.4	0.9	0.0	0.603	0.397	0.368	0.363	0.0031

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	809	202	90	51	32	22	17	13	10	8	7	6	5	4	4	3	3	2	2	2
fcd	75.2	18.8	8.4	4.7	3	2.1	1.5	1.2	0.9	0.8	0.6	0.5	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2

Intensities in 0° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
809	806	796	781	760	735	707	677	642	607	570	534	497	462	428	395	366	327	279	218
100%	100%	98%	97%	94%	91%	87%	84%	79%	75%	70%	66%	61%	57%	53%	49%	45%	40%	35%	27%

Intensities in 90° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
809	806	796	781	760	735	707	677	642	607	570	534	497	462	428	395	366	327	279	218
100%	100%	98%	97%	94%	91%	87%	84%	79%	75%	70%	66%	61%	57%	53%	49%	45%	40%	35%	27%

Intensities in 180° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
809	806	798	782	763	739	711	678	644	607	570	533	496	461	427	394	363	329	266	206
100%	100%	99%	97%	94%	91%	88%	84%	80%	75%	70%	66%	61%	57%	53%	49%	45%	41%	33%	25%

Intensities in 270° C-plane																				
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	
809	806	798	782	763	739	711	678	644	607	570	533	496	461	427	394	363	329	266	206	
100%	100%	99%	97%	94%	91%	88%	84%	80%	75%	70%	66%	61%	57%	53%	49%	45%	41%	33%	25%	

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
58.7°	85.3°	103.8°	99.1%	95.5%