

Color Temperature:



Total Lumen Output:
1086 lm

Light Quality:



Peak:
5818 cd

Light Efficiency:



Power: 81.0 W



CIE 1931
x: 0.605
y: 0.394

Test: Amber

Date: 10/11/2018

Voltage: 117 V

Current: 0.768 A

Frequency: 60 Hz

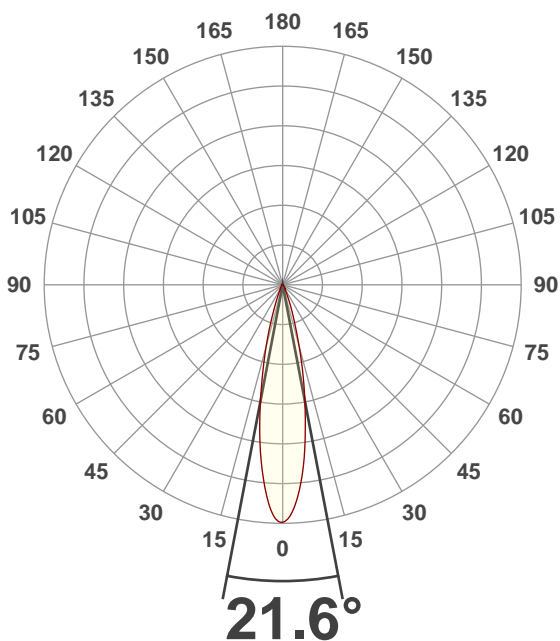
CRI: -20.9

CQS: 0.0

TM30: 0.4

Note:

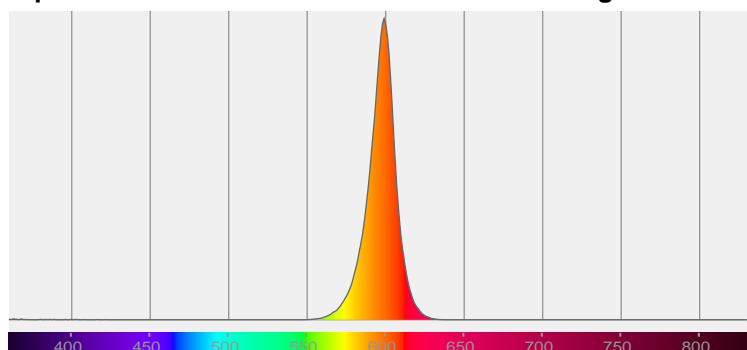
Beam Angle



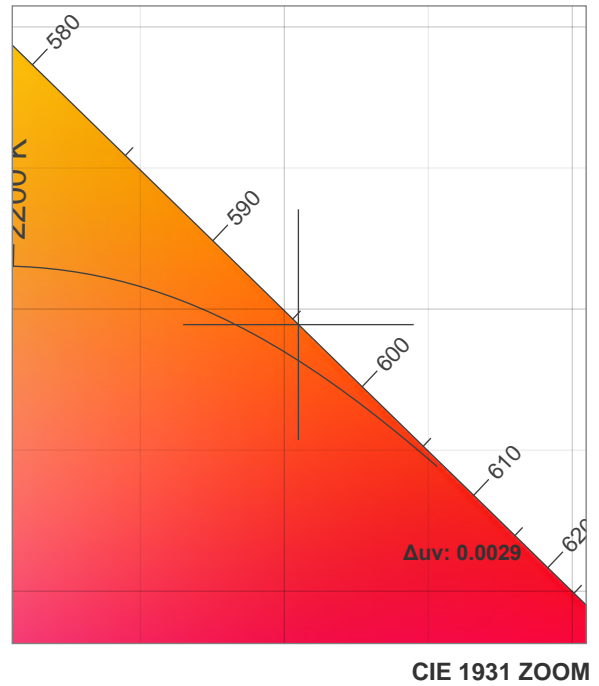
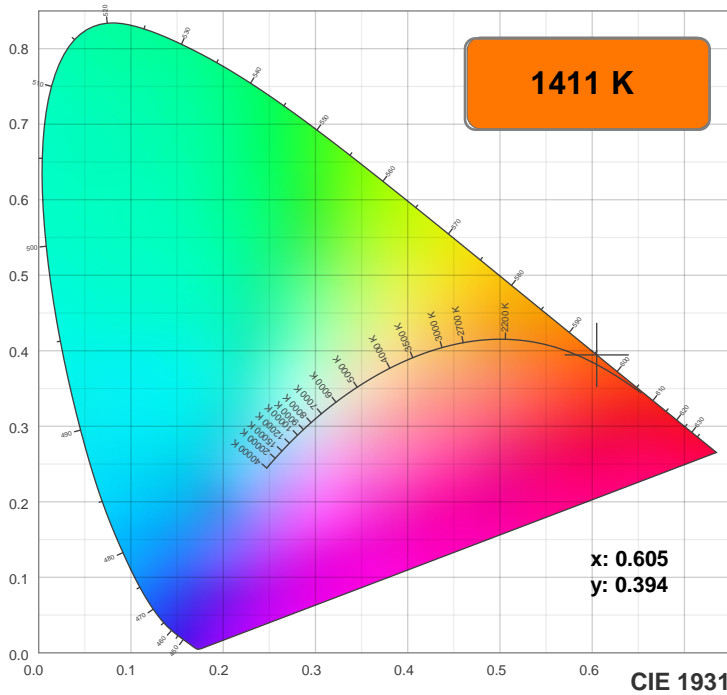
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
21.6°	40.1°	55.8°

Spectra

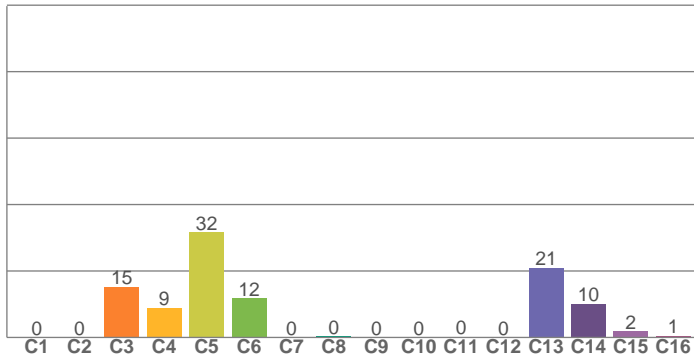
Dominant Wavelength: 595nm



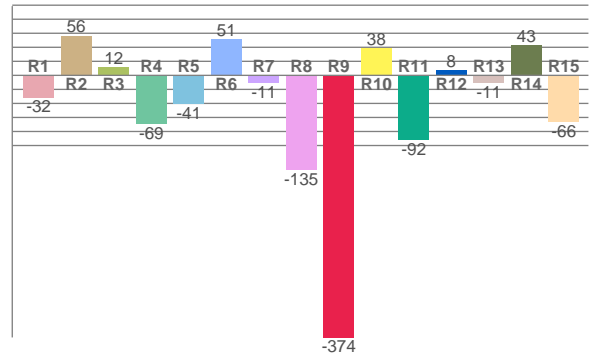
Color Details



TM30: 0.4



CRI: -20.9 (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
-31.6	56.4	11.5	-68.8	-40.8	51.4	-10.9	-134.8	-373.5	38.1	-91.6	7.5	-11.0	43.2	-66.4

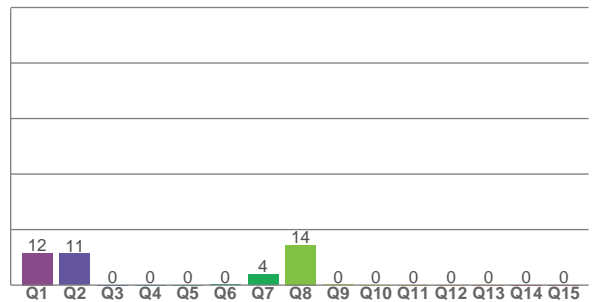
TM30 C Values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
0.0	0.0	15.2	8.9	31.6	11.7	0.0	0.4	0.1	0.0	0.1	0.0	20.9	10.2	1.8	0.5

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
11.6	11.4	0.0	0.0	0.0	0.2	3.9	14.5	0.1	0.0	0.0	0.0	0.0	0.0	0.1

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
1411 K	-20.9	-373.5	0.4	0.8	0.0	0.605	0.394	0.371	0.363	0.0029

TM30 Details

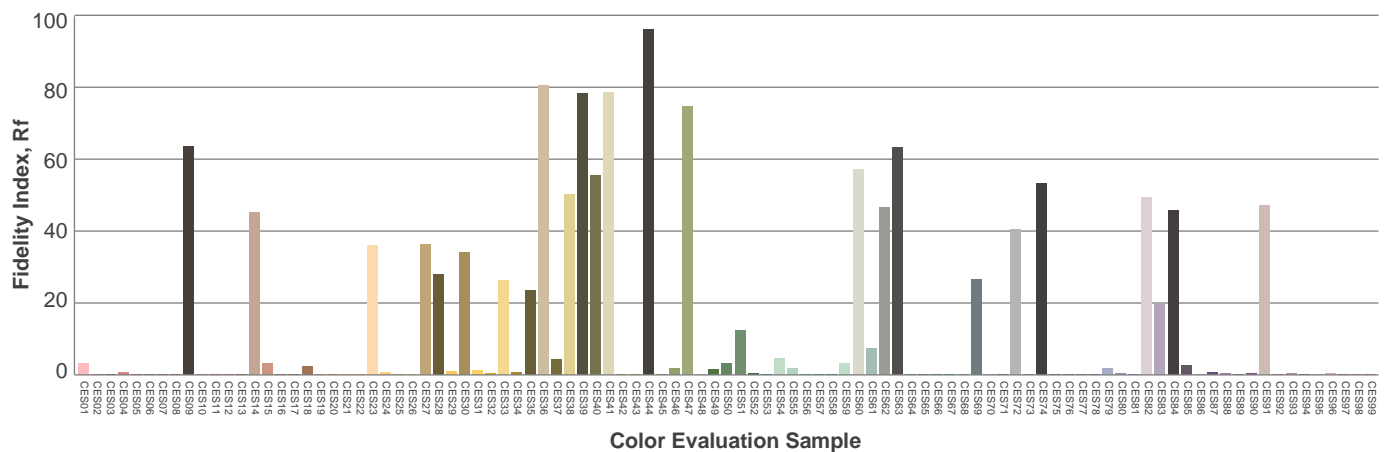
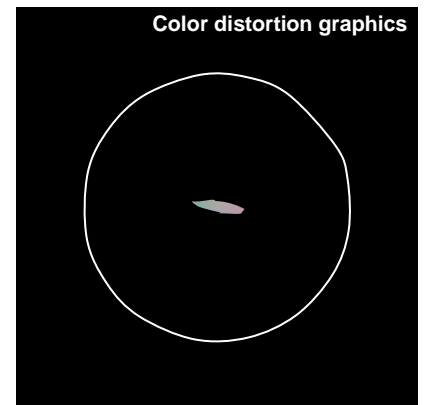
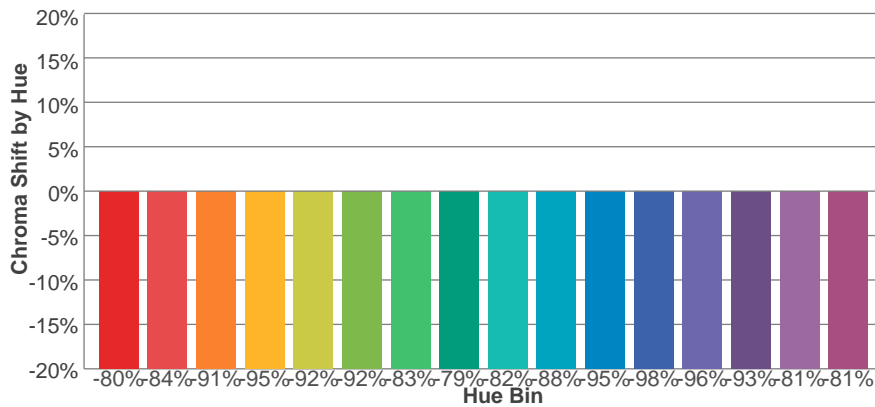
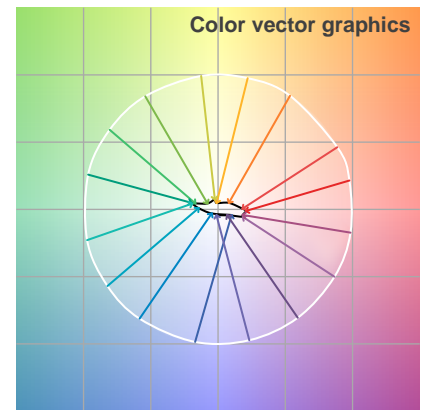
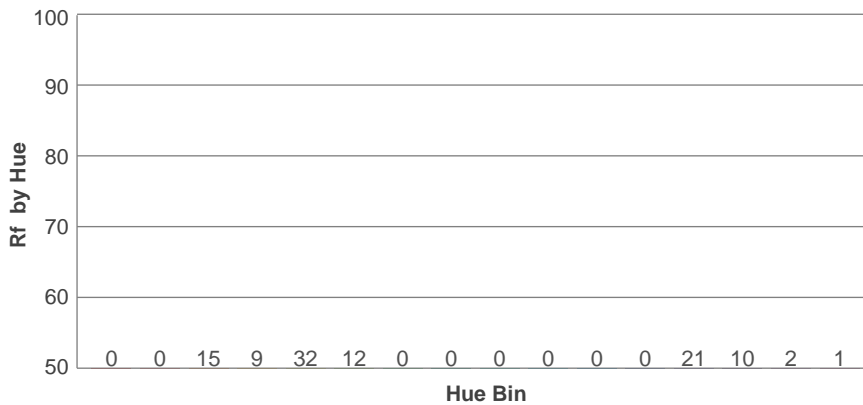
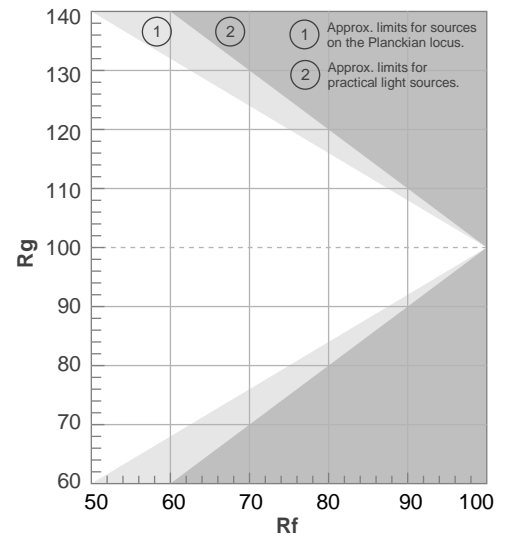
Rf 0.4

Fidelity Index Rf

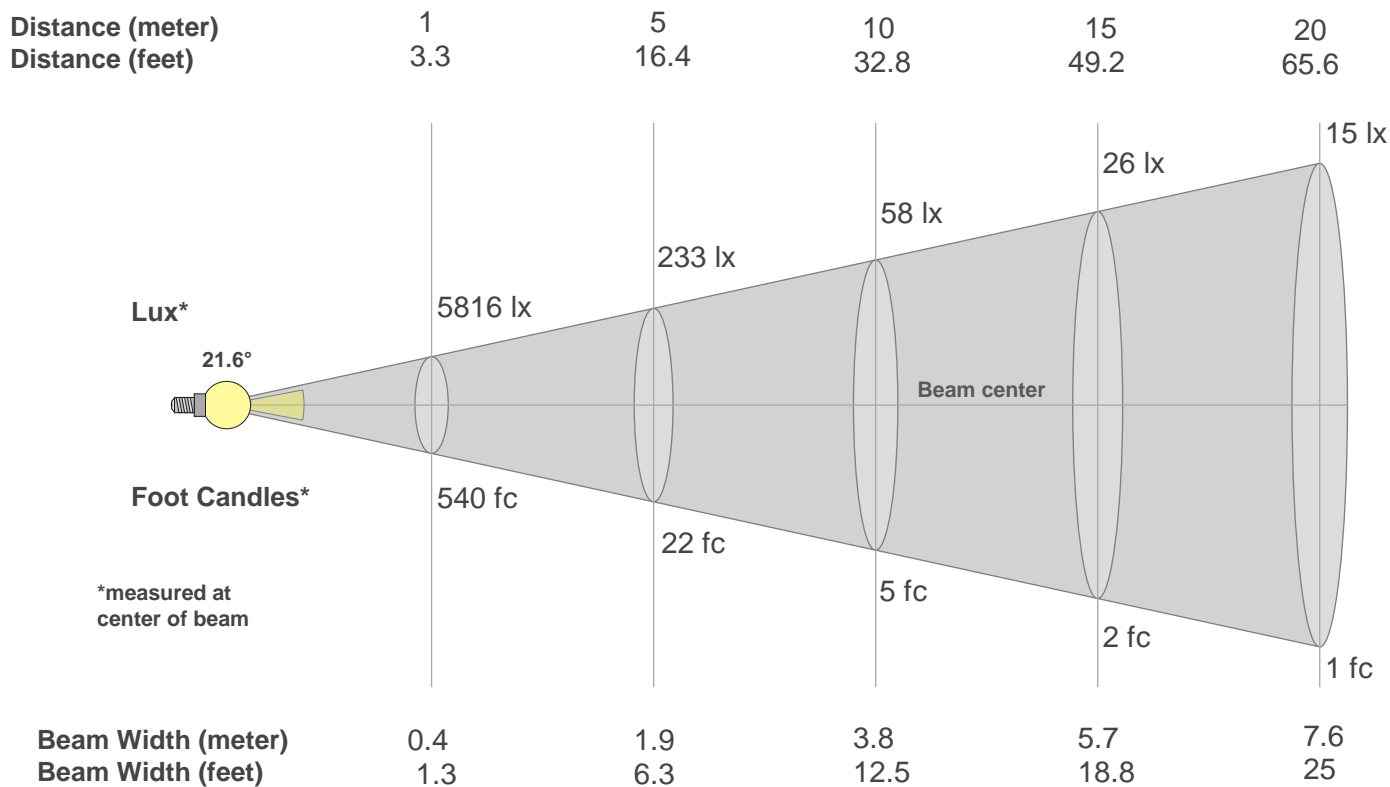
Rg 0.8

Gamut Index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	-80%	-7%
2	0	-84%	1%
3	15	-91%	-6%
4	9	-95%	5%
5	32	-92%	8%
6	12	-92%	6%
7	0	-83%	10%
8	0	-79%	6%
9	0	-82%	-11%
10	0	-88%	-11%
11	0	-95%	1%
12	0	-98%	8%
13	21	-96%	-6%
14	10	-93%	-1%
15	2	-81%	-1%
16	1	-81%	-3%



Beam Details



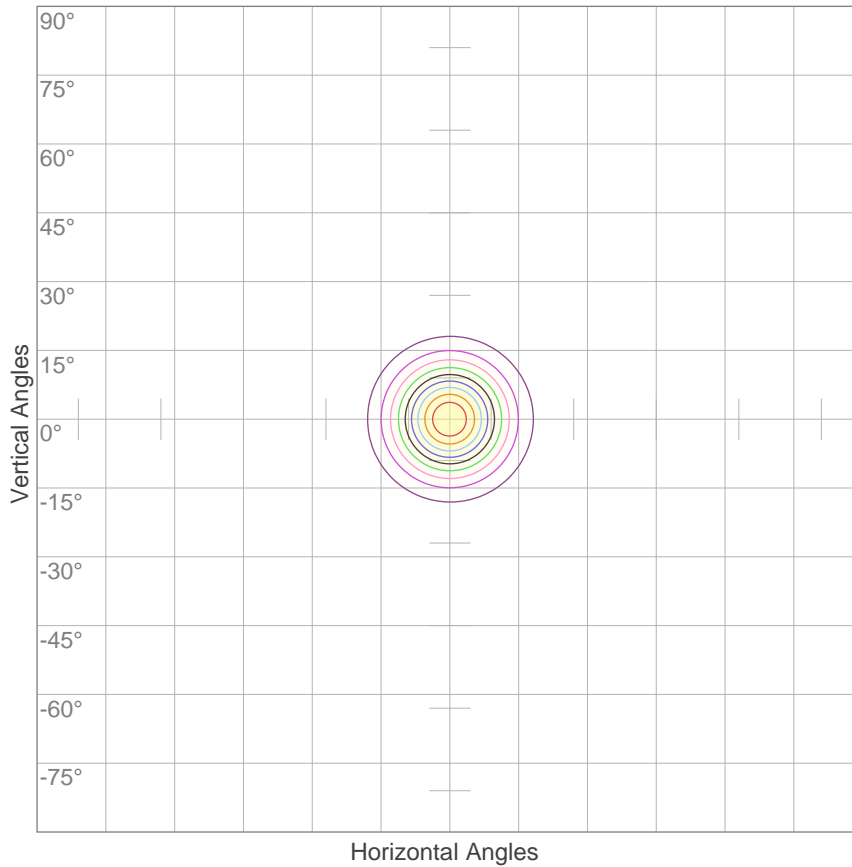
Beam Intensities from 1-20m

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	5816	1454	646	363	233	162	119	91	72	58	48	40	34	30	26	23	20	18	16	15
fc	540.3	135.1	60	33.8	21.6	15	11	8.4	6.7	5.4	4.5	3.8	3.2	2.8	2.4	2.1	1.9	1.7	1.5	1.4

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
21.6°	40.1°	55.8°	99.5%	96.0%

ISO Diagrams

ISO Candela Diagram



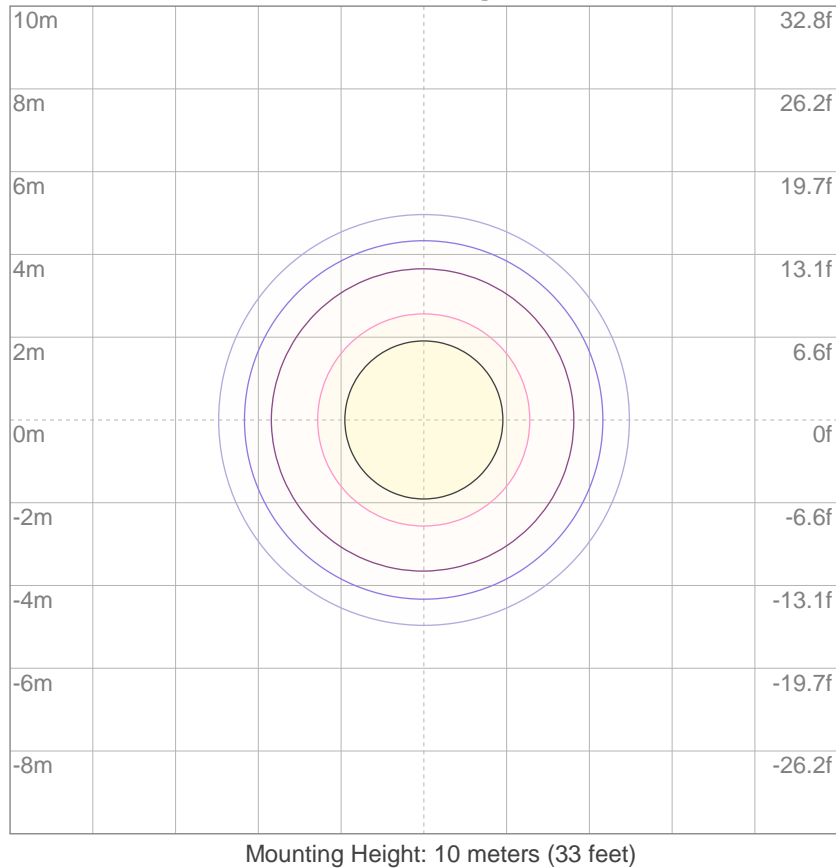
10%	582 cd
20%	1163 cd
30%	1745 cd
40%	2326 cd
50%	2908 cd
60%	3489 cd
70%	4071 cd
80%	4653 cd
90%	5234 cd

Conditions:

Number of c-planes: 2

Candela at center: 5816 cd

ISO Lux Diagram



3%	1.74 lx
5%	2.91 lx
10%	5.82 lx
30%	17.4 lx
50%	29.1 lx

Conditions:

Number of c-planes: 2

Lux at center: 58.2 lx

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