

Color Temperature:



Total Lumen Output:
5896 lm

Light Quality:

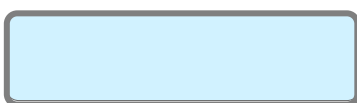


Peak:
101152 cd

Light Efficiency:



Power: 422 W



CIE 1931
x: 0.310
y: 0.317

Test: Spot Zoom Out

Date: 7/27/2018

Voltage: 118 V

Current: 3.57 A

Frequency: 60 Hz

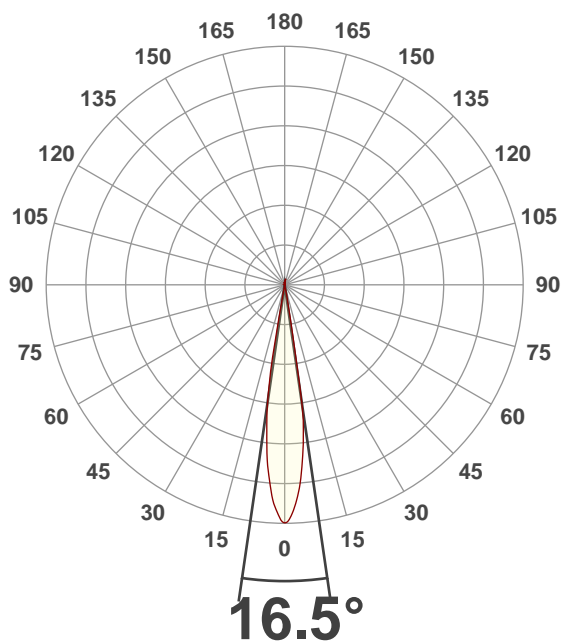
CRI: 75.7

CQS: 71.3

TM30: 75.1

Note:

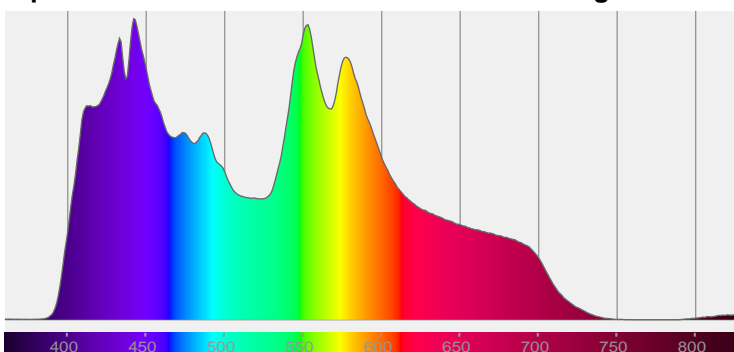
Beam Angle



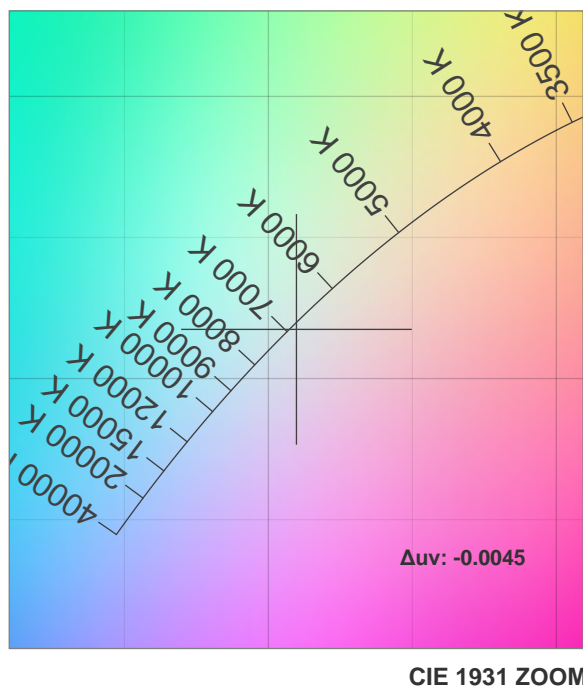
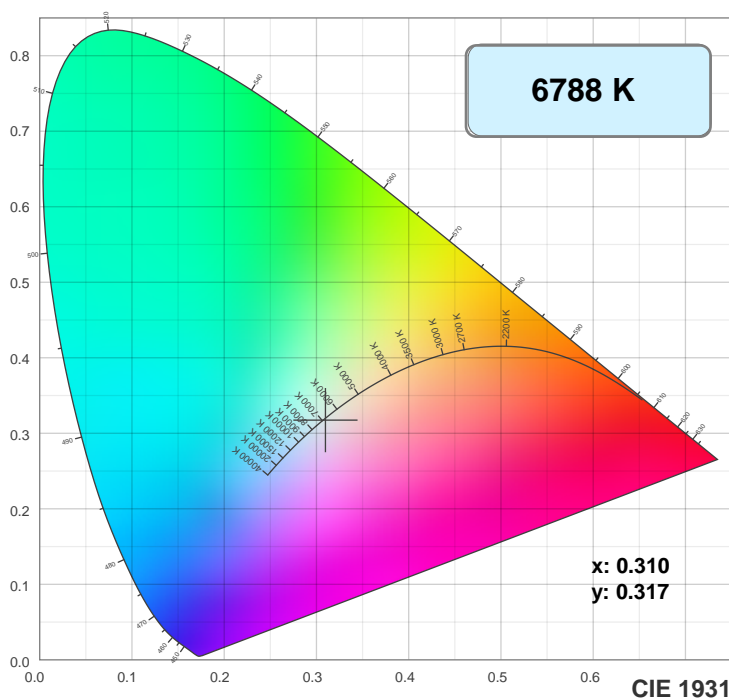
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
16.5°	20.3°	21.2°

Spectra

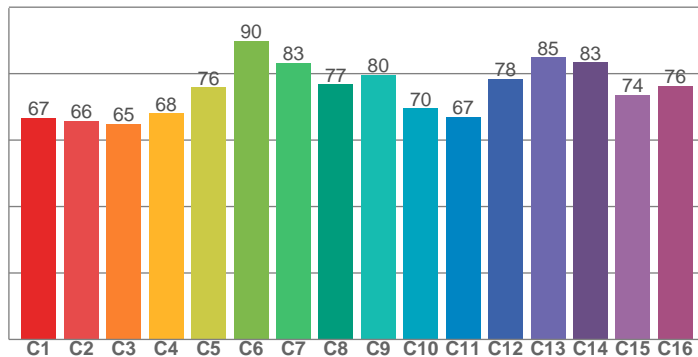
Dominant Wavelength: 360nm



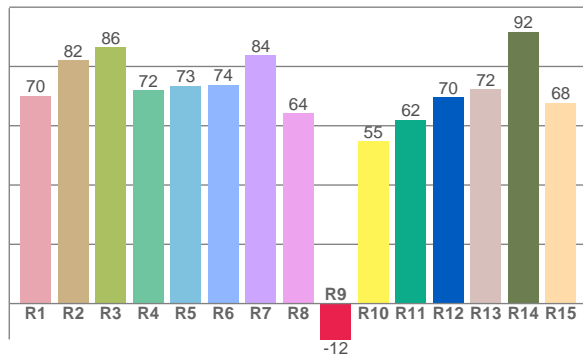
Color Details



TM30: 75.1



CRI: 75.7 (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
70.1	82.2	86.4	71.9	73.5	73.8	83.7	64.2	-12.1	54.8	62.0	69.7	72.3	91.7	67.7

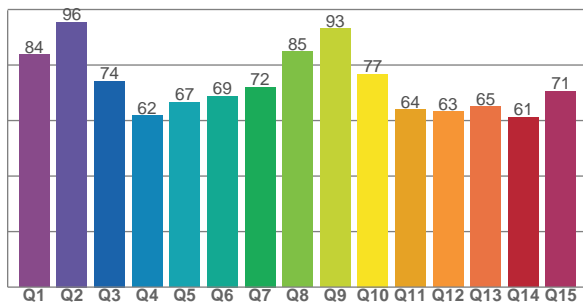
TM30 C Values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66.6	65.8	64.9	68.0	75.9	89.9	83.2	76.7	79.7	69.5	67.1	78.5	84.9	83.4	73.6	76.4

QQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.7	95.5	74.2	61.7	66.6	68.8	72.1	84.9	93.1	76.8	64.0	63.2	65.0	61.2	70.5

CQS: 71.3



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
6788 K	75.7	-12.1	75.1	91.9	71.3	0.310	0.317	0.200	0.308	-0.0045

TM30 Details

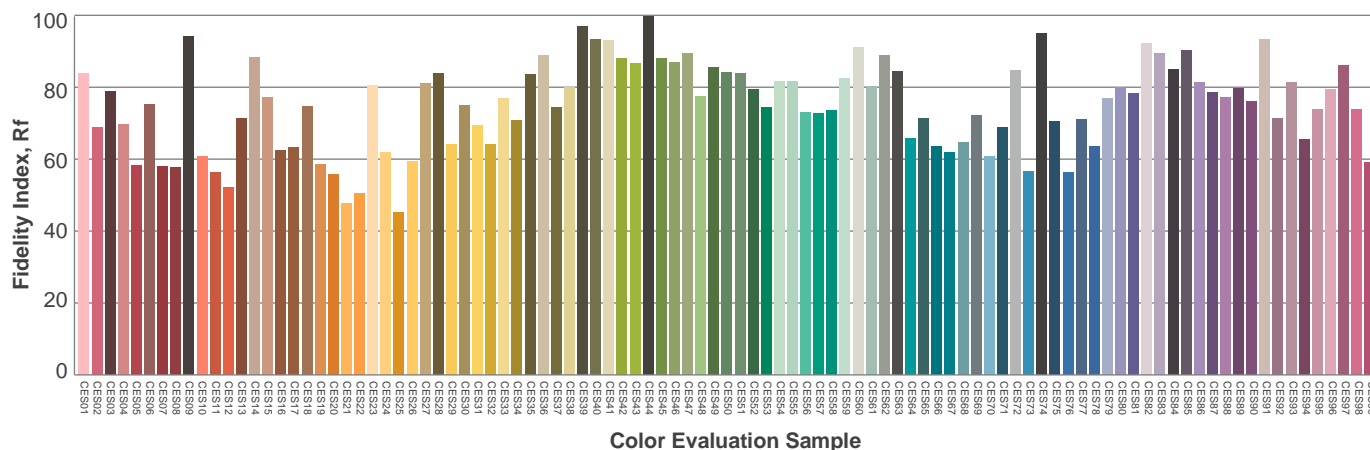
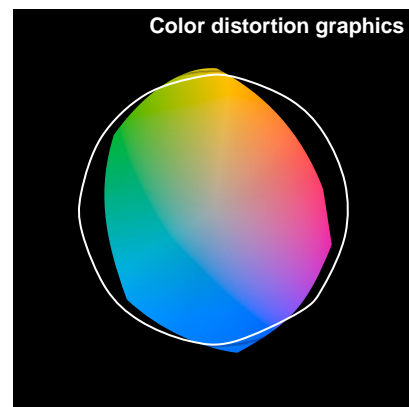
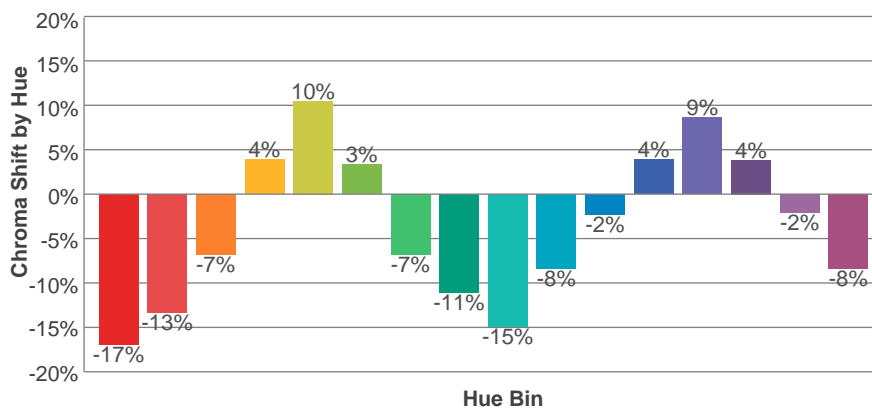
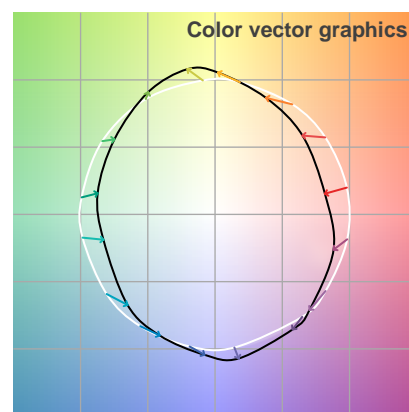
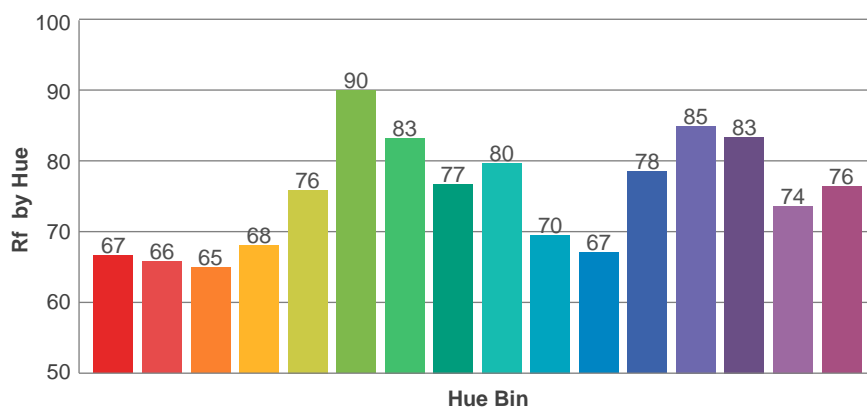
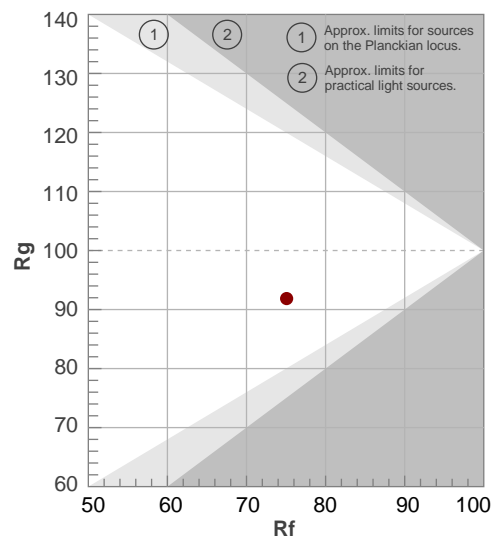
Rf 75.1

Fidelity Index Rf

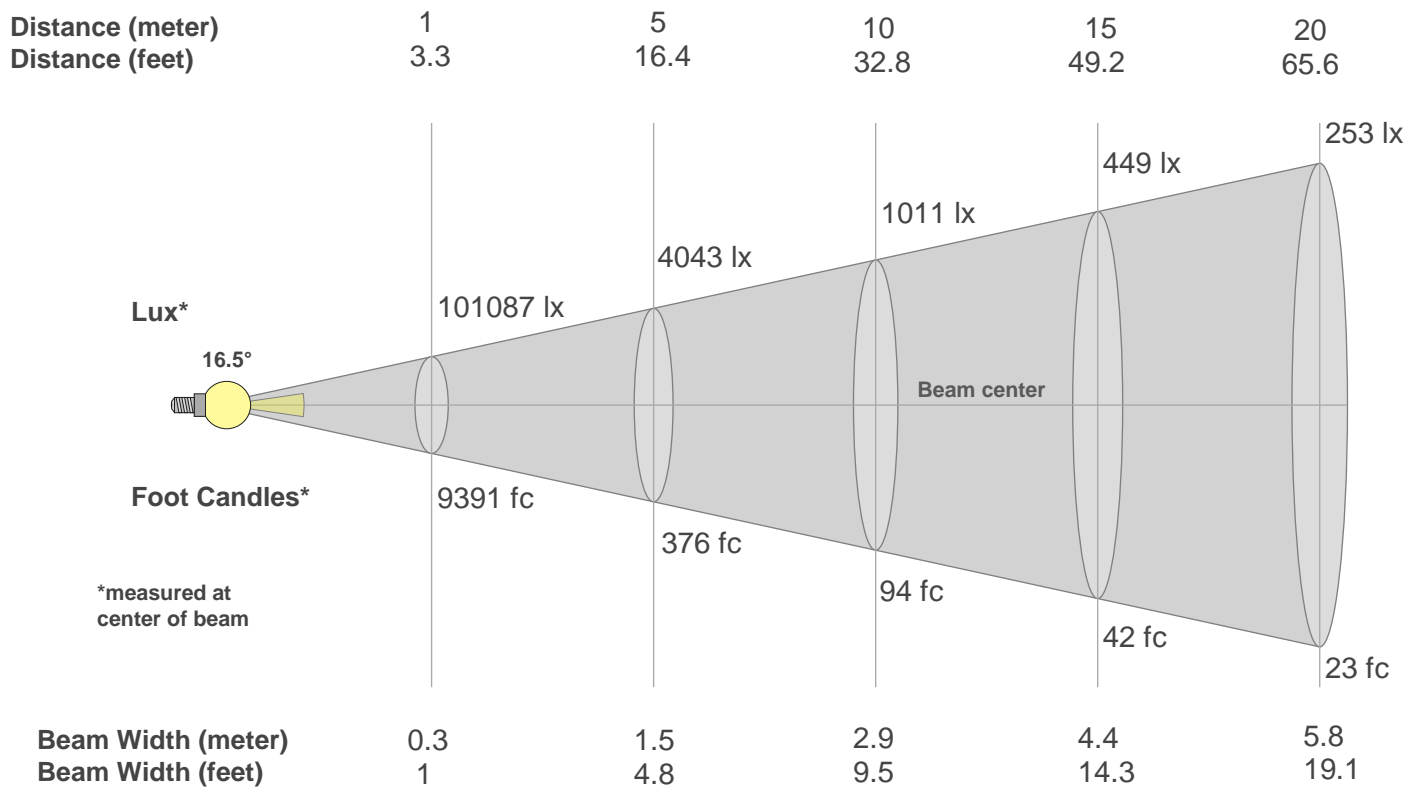
Rg 91.9

Gamut Index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	67	-17%	-1%
2	66	-13%	11%
3	65	-7%	19%
4	68	4%	17%
5	76	10%	10%
6	90	3%	-4%
7	83	-7%	-6%
8	77	-11%	-5%
9	80	-15%	5%
10	70	-8%	15%
11	67	-2%	16%
12	78	4%	12%
13	85	9%	2%
14	83	4%	-11%
15	74	-2%	-18%
16	76	-8%	-10%



Beam Details



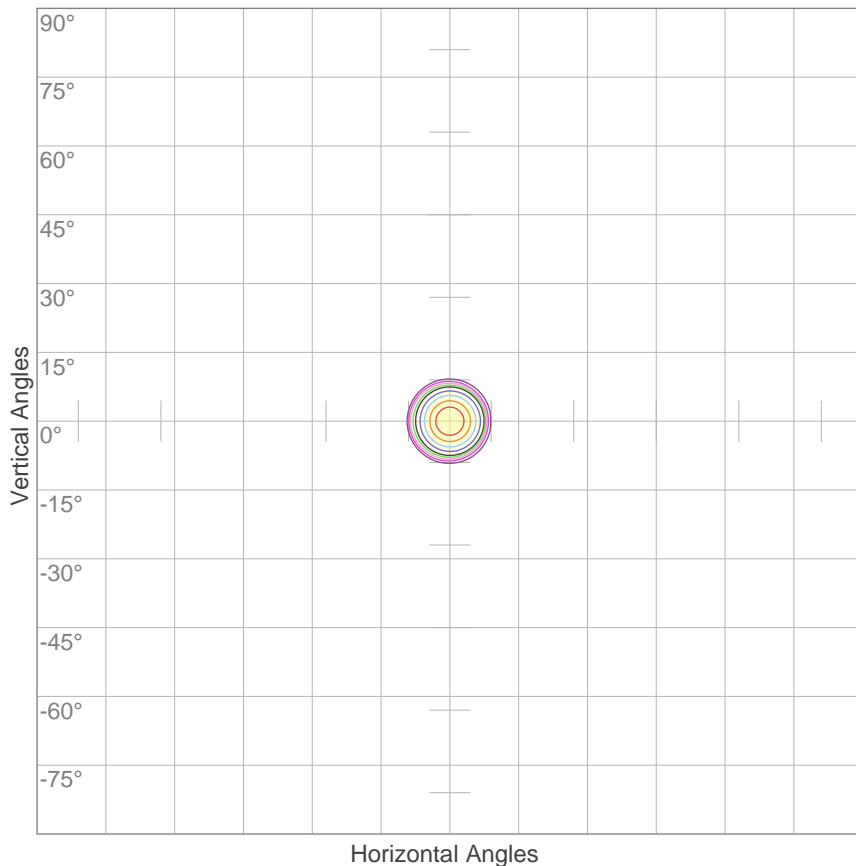
Beam Intensities from 1-20m

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	101087	25272	11232	6318	4043	2808	2063	1579	1248	1011	835	702	598	516	449	395	350	312	280	253
fc	9391.3	2347.8	1043.5	587	375.7	260.9	191.7	146.7	115.9	93.9	77.6	65.2	55.6	47.9	41.7	36.7	32.5	29	26	23.5

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
16.5°	20.3°	21.2°	100.0%	100.0%

ISO Diagrams

ISO Candela Diagram



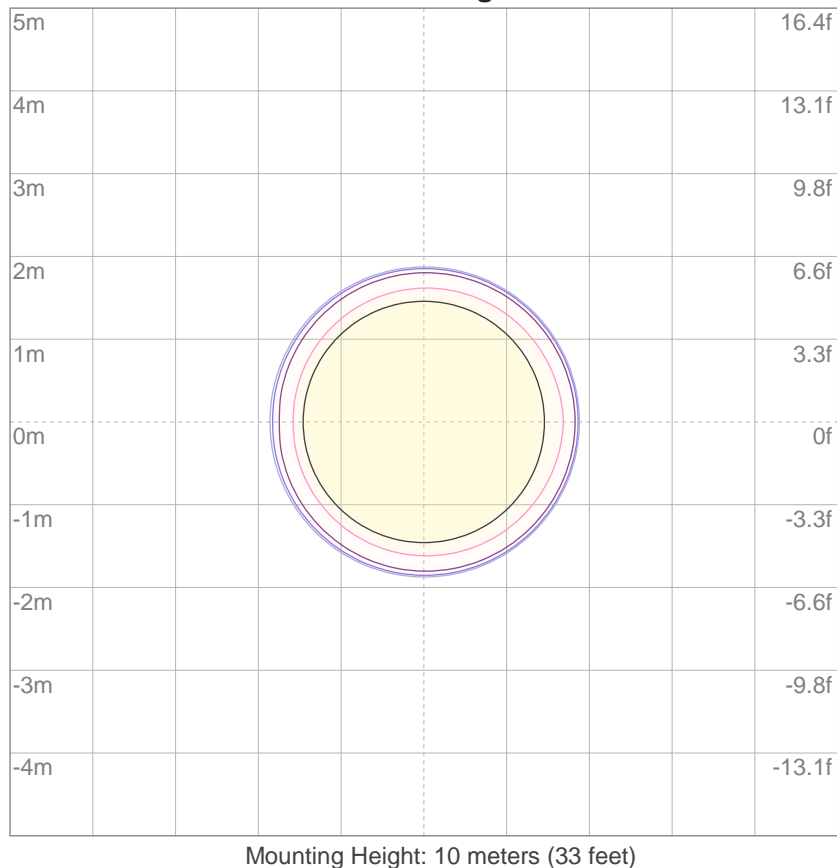
10%	10109 cd
20%	20217 cd
30%	30326 cd
40%	40435 cd
50%	50543 cd
60%	60652 cd
70%	70761 cd
80%	80870 cd
90%	90978 cd

Conditions:

Number of c-planes: 2

Candela at center: 101087 cd

ISO Lux Diagram



3%	30.3 lx
5%	50.5 lx
10%	101 lx
30%	303 lx
50%	505 lx

Conditions:

Number of c-planes: 2

Lux at center: 1011 lx

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