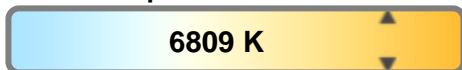


Color Temperature:



Total Lumen Output:
5760 lm

Light Quality:

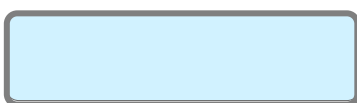


Peak:
705462 cd

Light Efficiency:



Power: 421 W



CIE 1931
x: 0.309
y: 0.317

Test: Spot Zoom In

Date: 7/27/2018

Voltage: 116 V

Current: 3.63 A

Frequency: 60 Hz

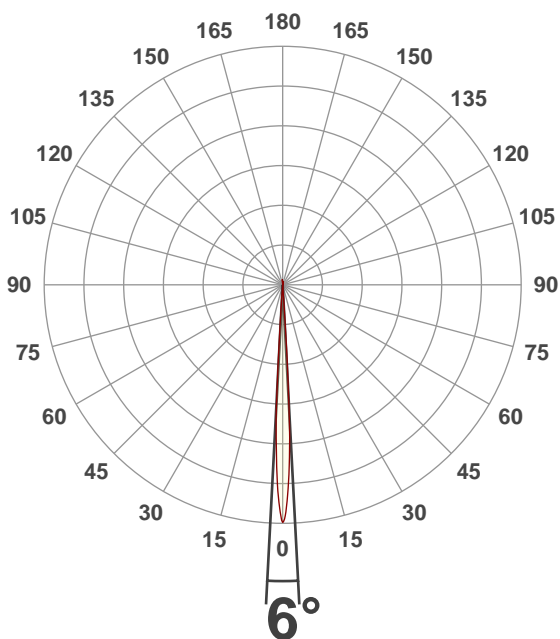
CRI: 75.6

CQS: 71.2

TM30: 74.9

Note:

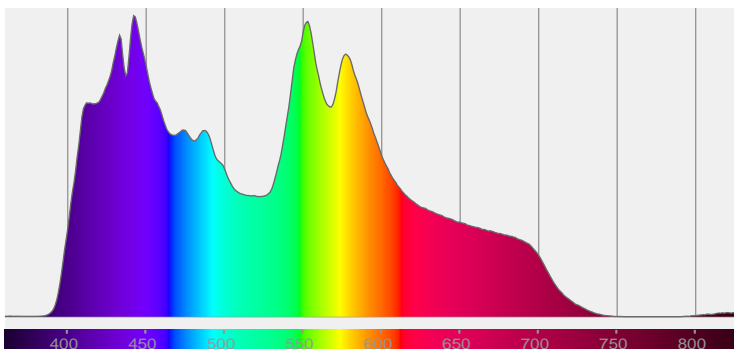
Beam Angle



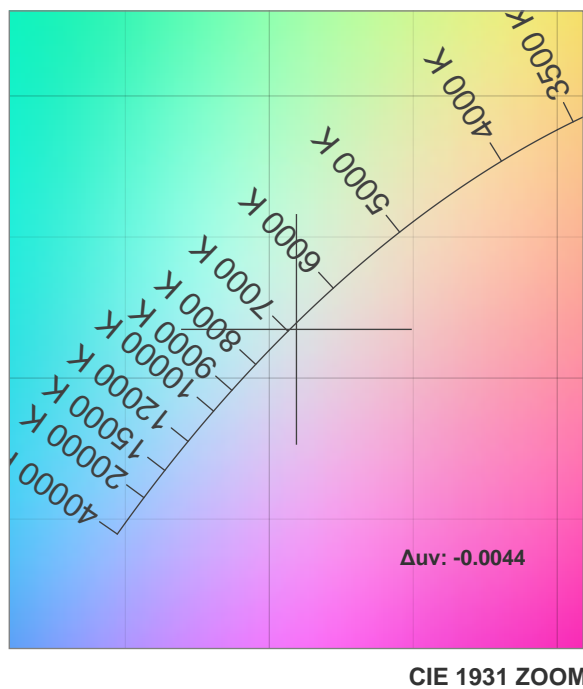
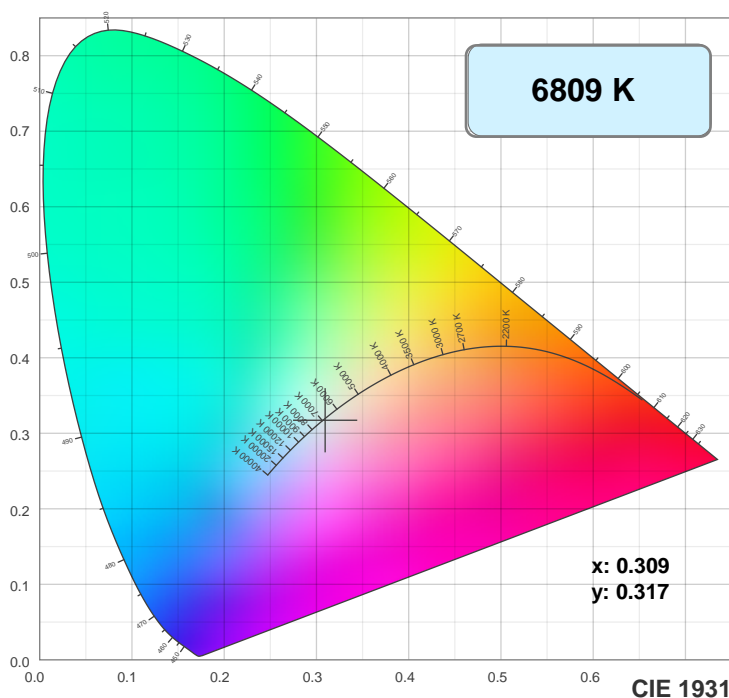
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
6°	7.9°	8.4°

Spectra

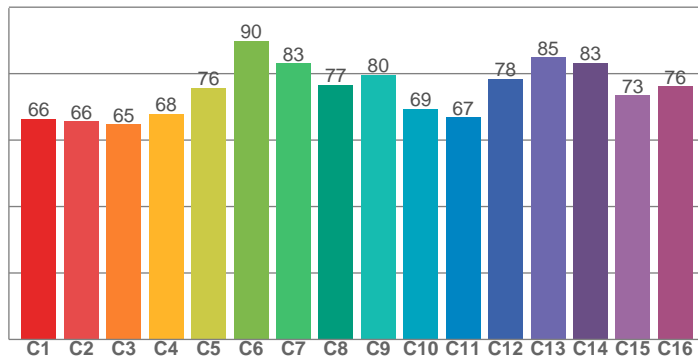
Dominant Wavelength: 360nm



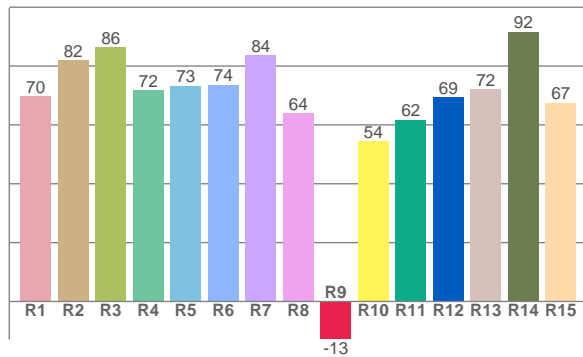
Color Details



TM30: 74.9



CRI: 75.6 (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
69.8	82.0	86.3	71.7	73.3	73.6	83.6	64.0	-12.9	54.4	61.8	69.5	72.1	91.6	67.5

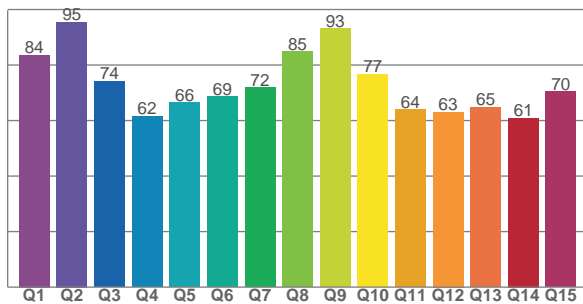
TM30 C Values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66.4	65.6	64.7	67.9	75.8	89.9	83.1	76.5	79.6	69.4	66.9	78.4	84.9	83.3	73.5	76.2

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.6	95.5	74.1	61.5	66.5	68.6	71.9	84.8	93.0	76.7	63.9	63.1	64.8	60.9	70.4

CQS: 71.2



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
6809 K	75.6	-12.9	74.9	91.8	71.2	0.309	0.317	0.200	0.308	-0.0044

TM30 Details

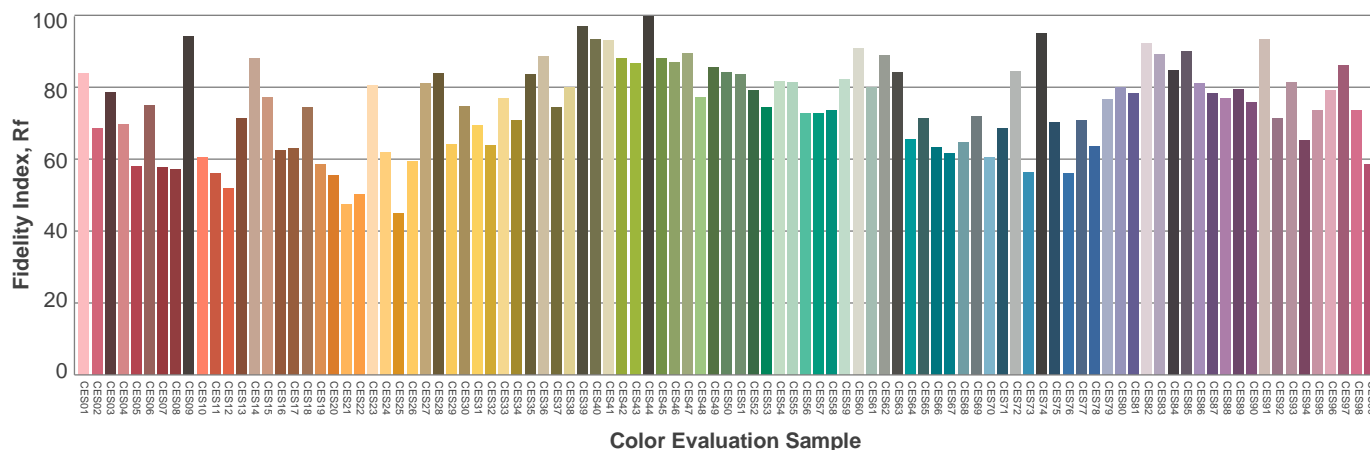
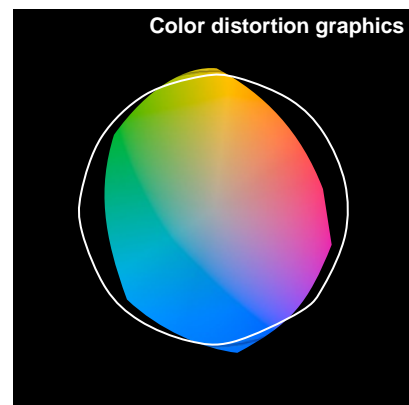
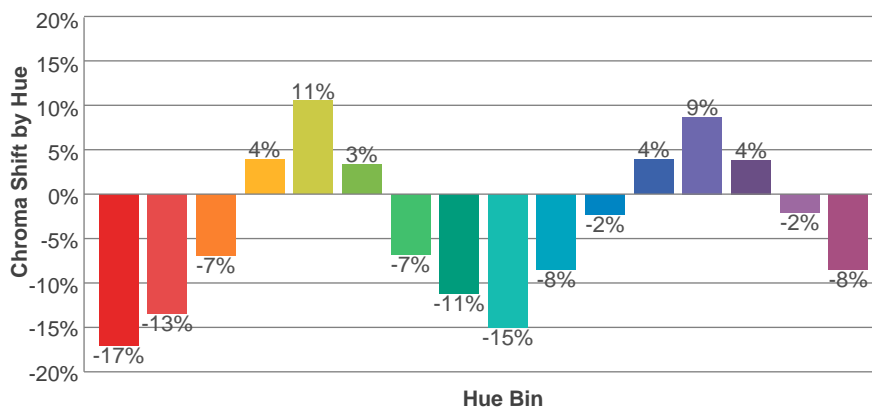
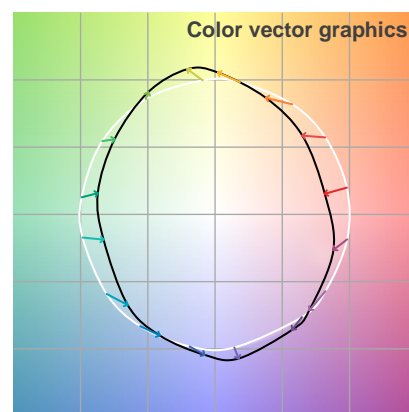
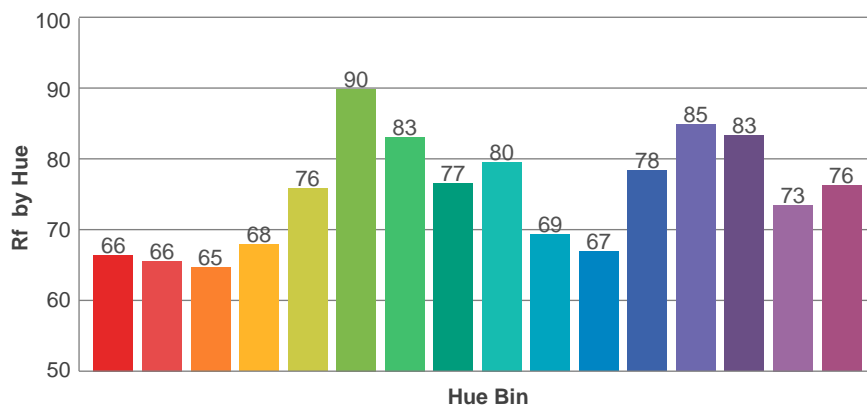
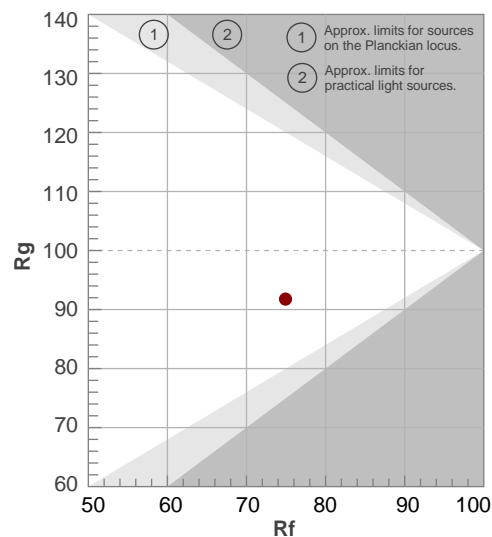
Rf 74.9

Fidelity Index Rf

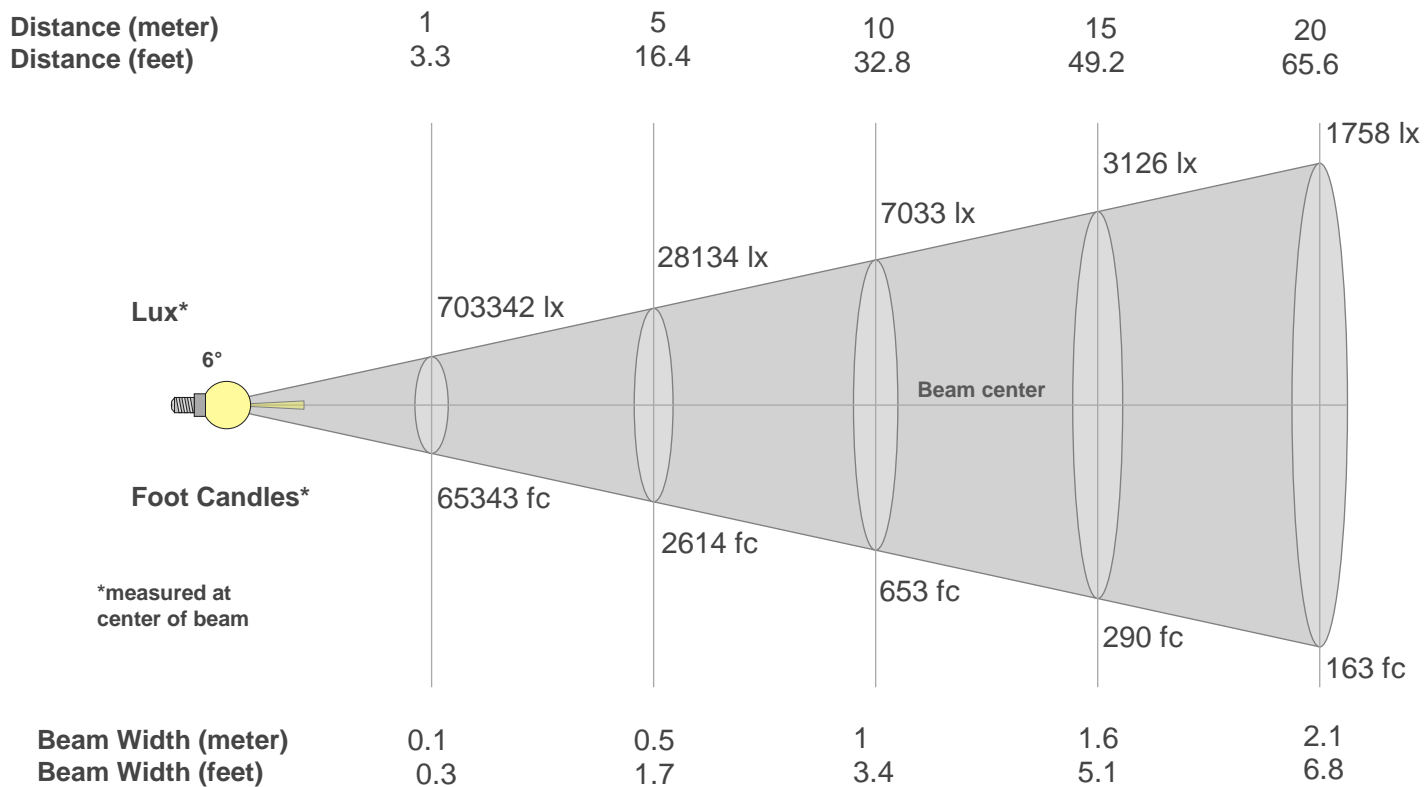
Rg 91.8

Gamut Index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	66	-17%	-1%
2	66	-13%	11%
3	65	-7%	19%
4	68	4%	17%
5	76	11%	10%
6	90	3%	-4%
7	83	-7%	-6%
8	77	-11%	-5%
9	80	-15%	5%
10	69	-8%	15%
11	67	-2%	16%
12	78	4%	12%
13	85	9%	2%
14	83	4%	-11%
15	73	-2%	-18%
16	76	-8%	-10%



Beam Details



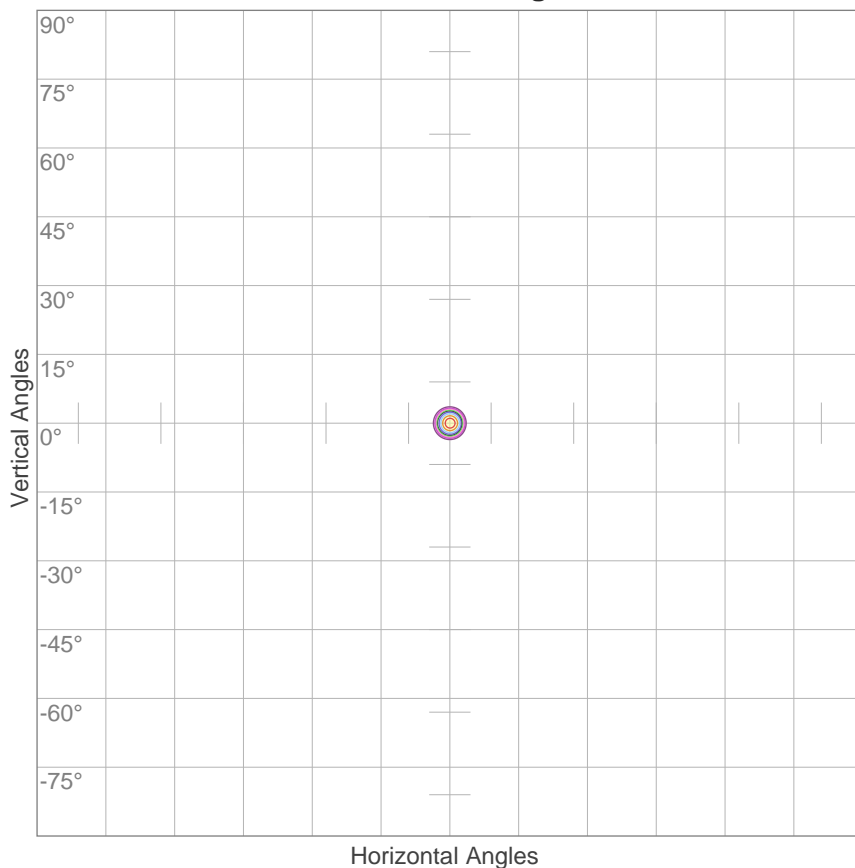
Beam Intensities from 1-20m

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	703342	175836	78149	43959	28134	19537	14354	10990	8683	7033	5813	4884	4162	3588	3126	2747	2434	2171	1948	1758
fc	65342.7	16335.7	7260.3	4083.9	2613.7	1815.1	1333.5	1021	806.7	653.4	540	453.8	386.6	333.4	290.4	255.2	226.1	201.7	181	163.4

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
6°	7.9°	8.4°	100.0%	100.0%

ISO Diagrams

ISO Candela Diagram



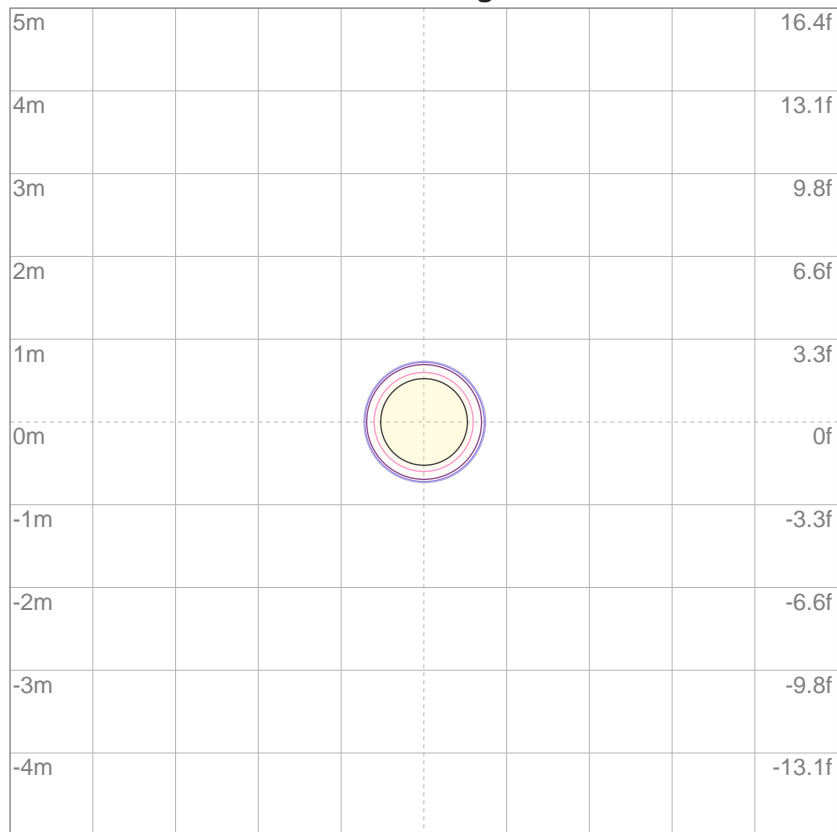
10%	70334 cd
20%	140668 cd
30%	211003 cd
40%	281337 cd
50%	351671 cd
60%	422005 cd
70%	492340 cd
80%	562674 cd
90%	633008 cd

Conditions:

Number of c-planes: 2

Candela at center: 703342 cd

ISO Lux Diagram



Mounting Height: 10 meters (33 feet)

3%	211 lx
5%	352 lx
10%	703 lx
30%	2110 lx
50%	3517 lx

Conditions:

Number of c-planes: 2

Lux at center: 7033 lx

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