

Color Temperature:



Total Lumen Output:
4268 lm

Light Quality:

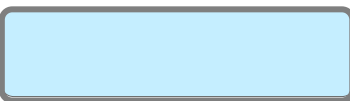


Peak:
21830 cd

Light Efficiency:



Power: 95.7 W



CIE 1931
x: 0.303
y: 0.311

Test: White

Date: 10/11/2018

Voltage: 116 V

Current: 0.889 A

Frequency: 60 Hz

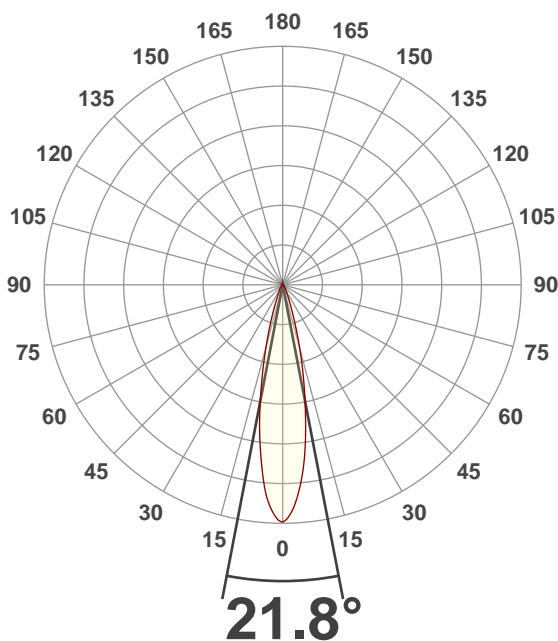
CRI: 71.8

CQS: 69.1

TM30: 67.3

Note:

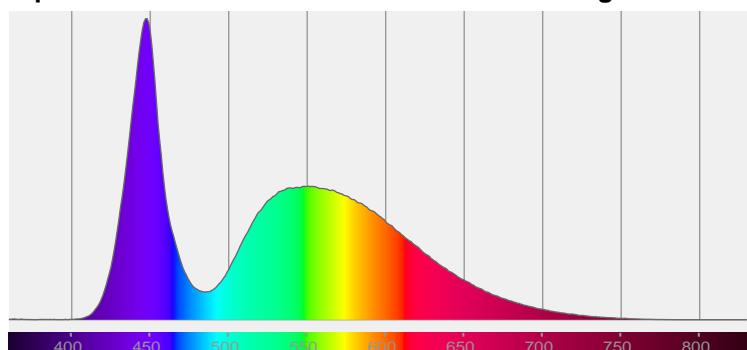
Beam Angle



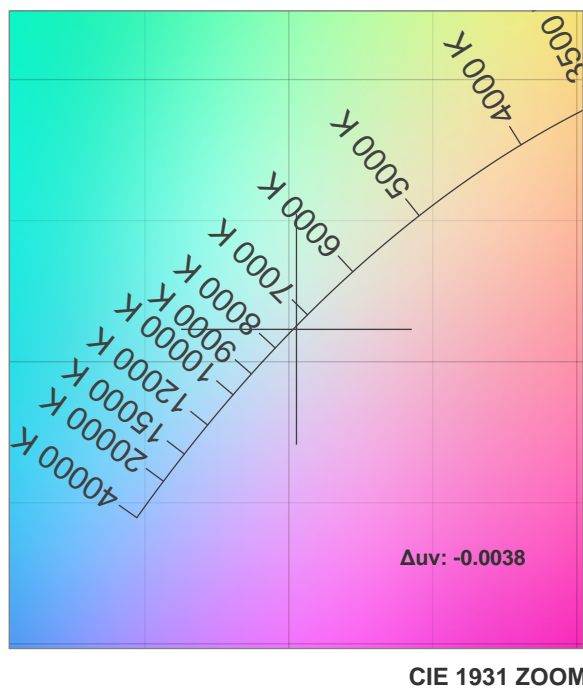
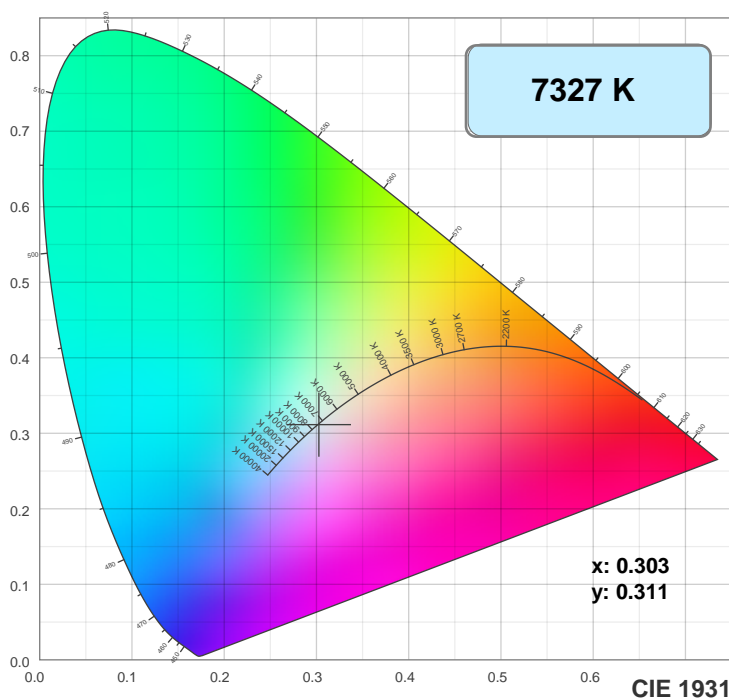
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
21.8°	40.9°	62.9°

Spectra

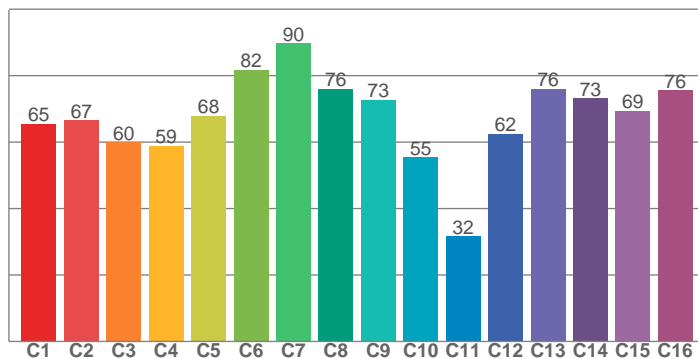
Dominant Wavelength: 461nm



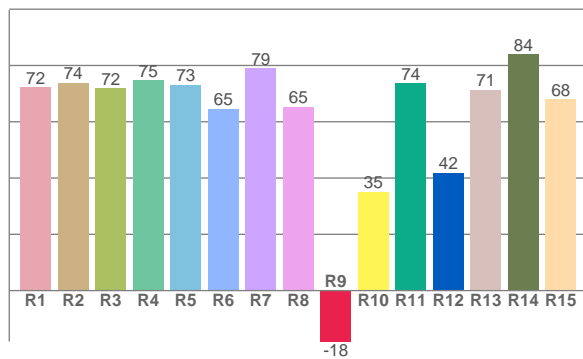
Color Details



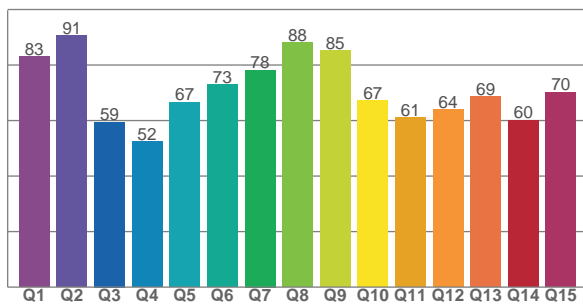
TM30: 67.3



CRI: 71.8 (R1-R8)



CQS: 69.1



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
72.2	73.8	71.9	74.8	73.1	64.6	79.0	65.3	-18.1	35.1	73.6	41.9	71.4	84.0	68.0

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
65.5	66.5	59.9	58.9	67.9	81.7	89.7	76.0	72.7	55.4	31.6	62.4	75.9	73.1	69.4	75.5

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.0	90.6	59.5	52.4	66.6	72.9	78.2	88.0	85.1	67.2	61.1	63.9	68.7	60.1	70.2

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
7327 K	71.8	-18.1	67.3	95.2	69.1	0.303	0.311	0.197	0.305	-0.0038

TM30 Details

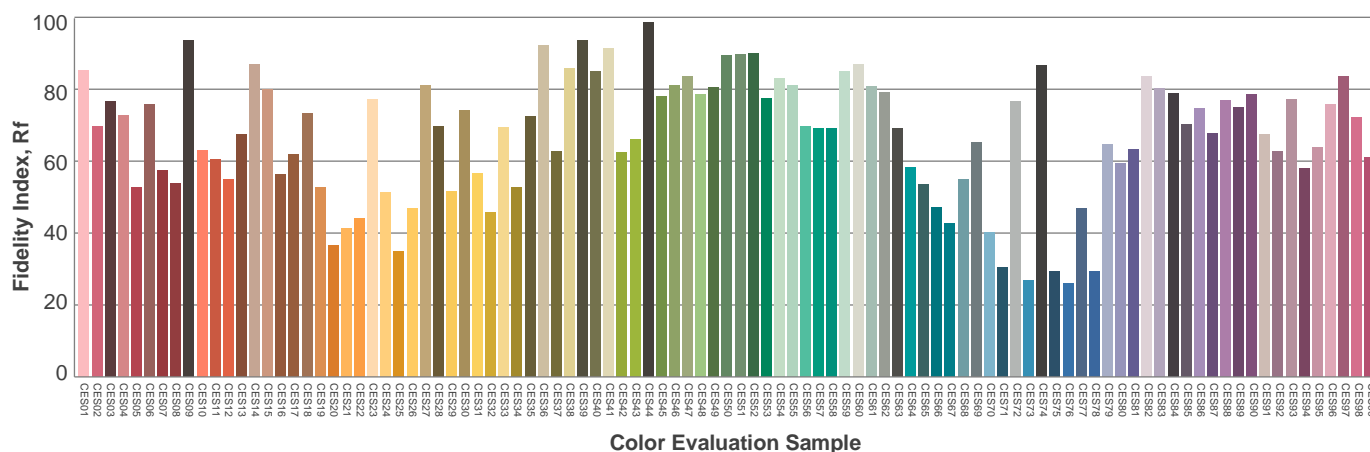
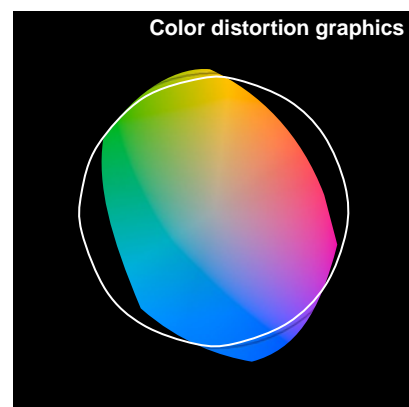
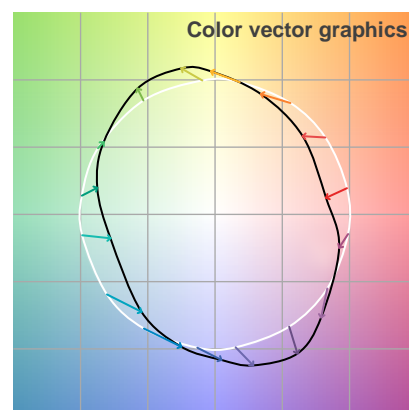
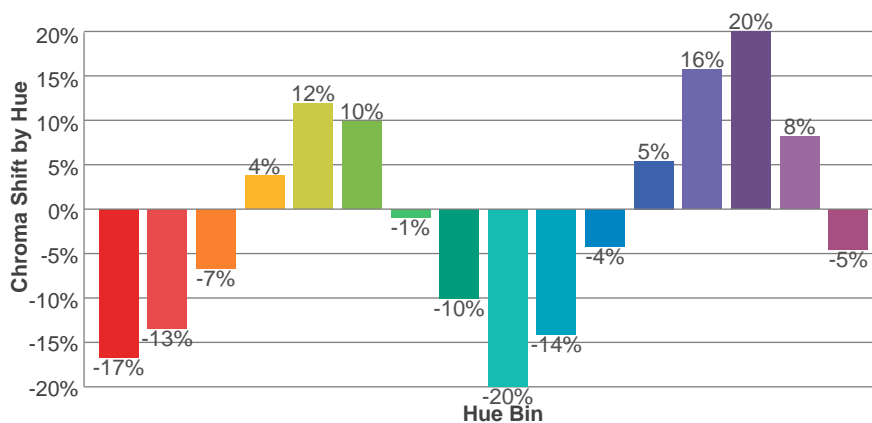
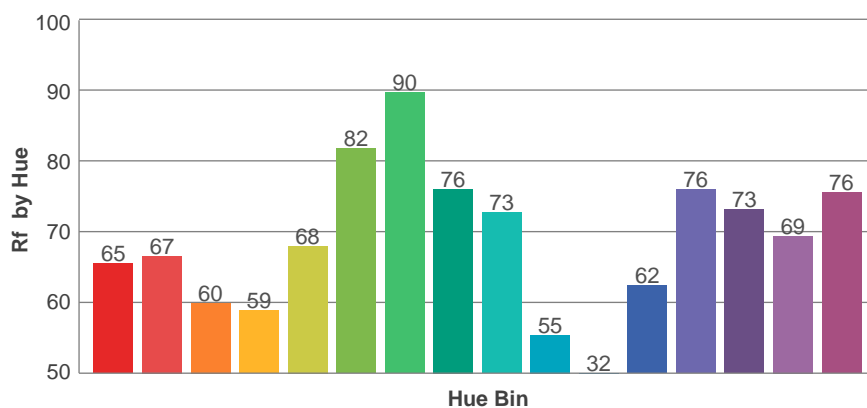
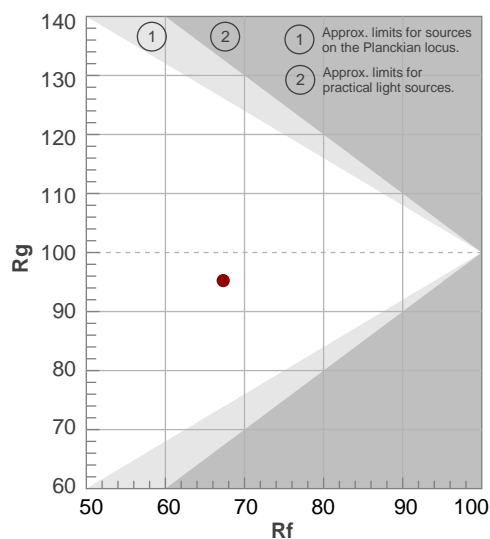
Rf 67.3

Fidelity Index Rf

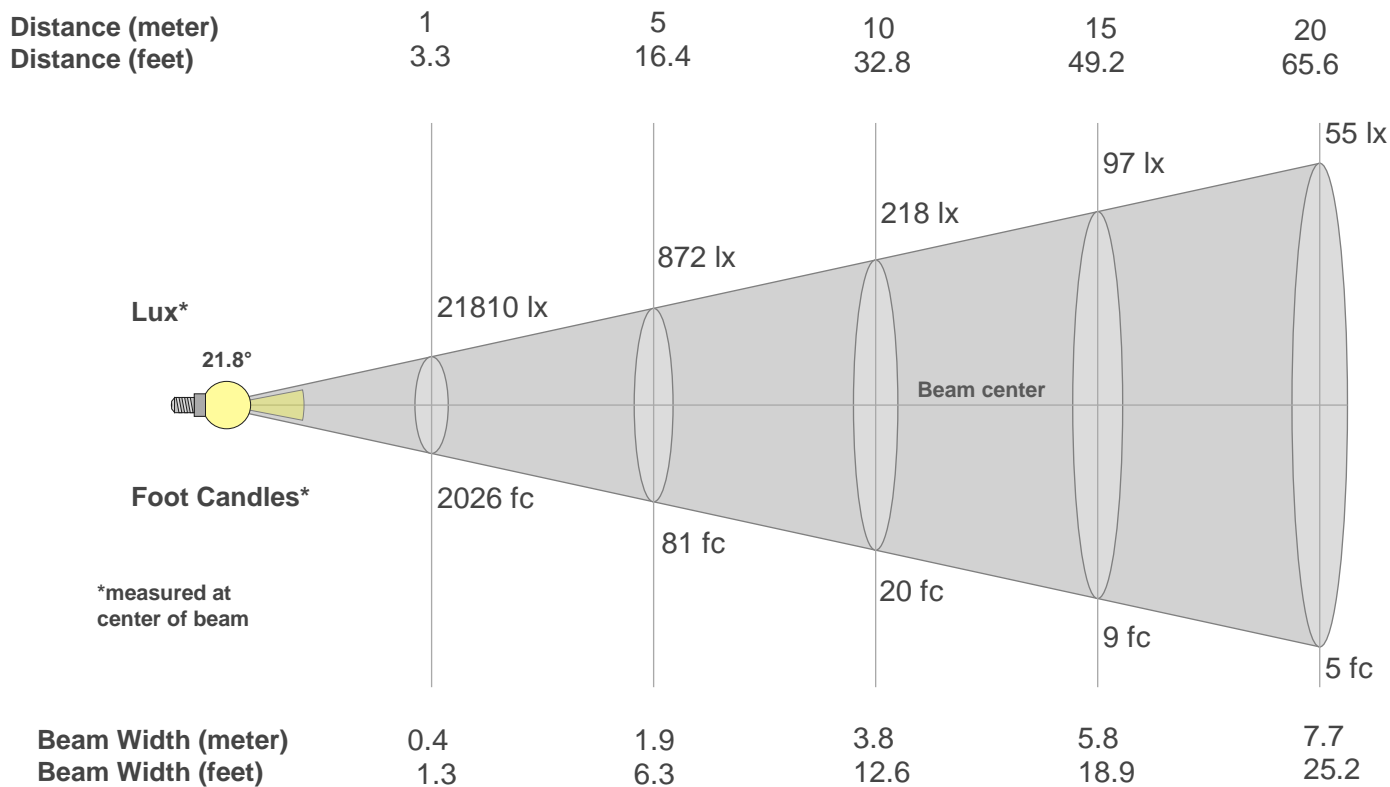
Rg 95.2

Gamut Index Rg

		Graphic shifts (%)	
Hue Bin	R_f	Chroma	Hue
1	65	-17%	-4%
2	67	-13%	10%
3	60	-7%	22%
4	59	4%	23%
5	68	12%	14%
6	82	10%	-1%
7	90	-1%	-6%
8	76	-10%	-8%
9	73	-20%	6%
10	55	-14%	25%
11	32	-4%	31%
12	62	5%	19%
13	76	16%	10%
14	73	20%	-6%
15	69	8%	-20%
16	76	-5%	-11%



Beam Details



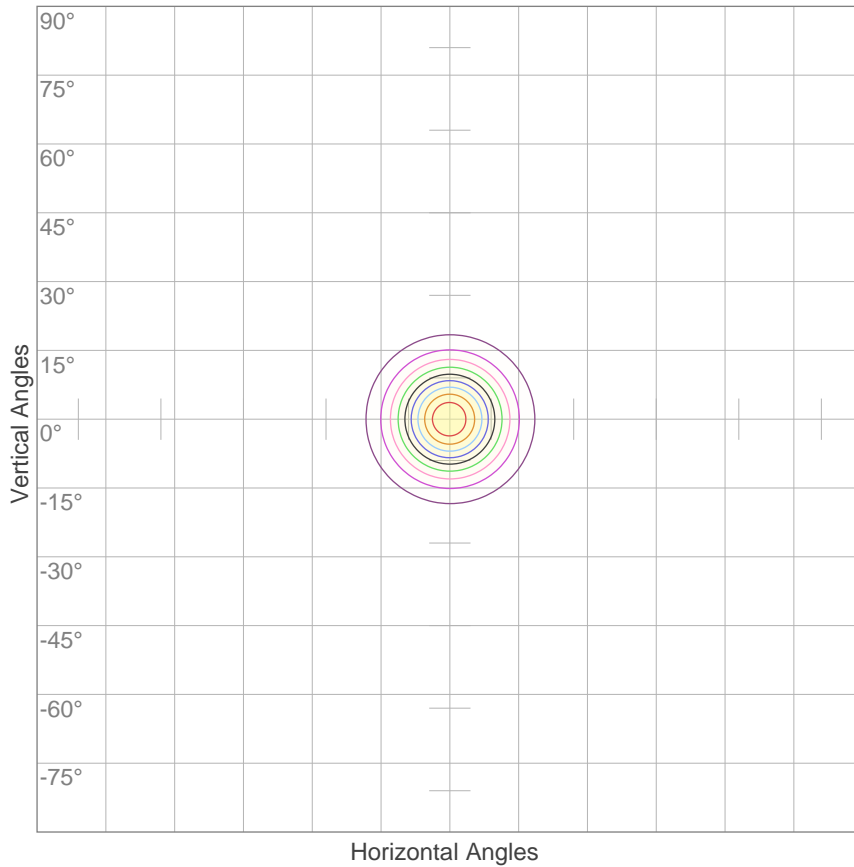
Beam Intensities from 1-20m

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	21810	5453	2423	1363	872	606	445	341	269	218	180	151	129	111	97	85	75	67	60	55
fc	2026.2	506.6	225.1	126.6	81	56.3	41.4	31.7	25	20.3	16.7	14.1	12	10.3	9	7.9	7	6.3	5.6	5.1

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
21.8°	40.9°	62.9°	99.6%	96.5%

ISO Diagrams

ISO Candela Diagram



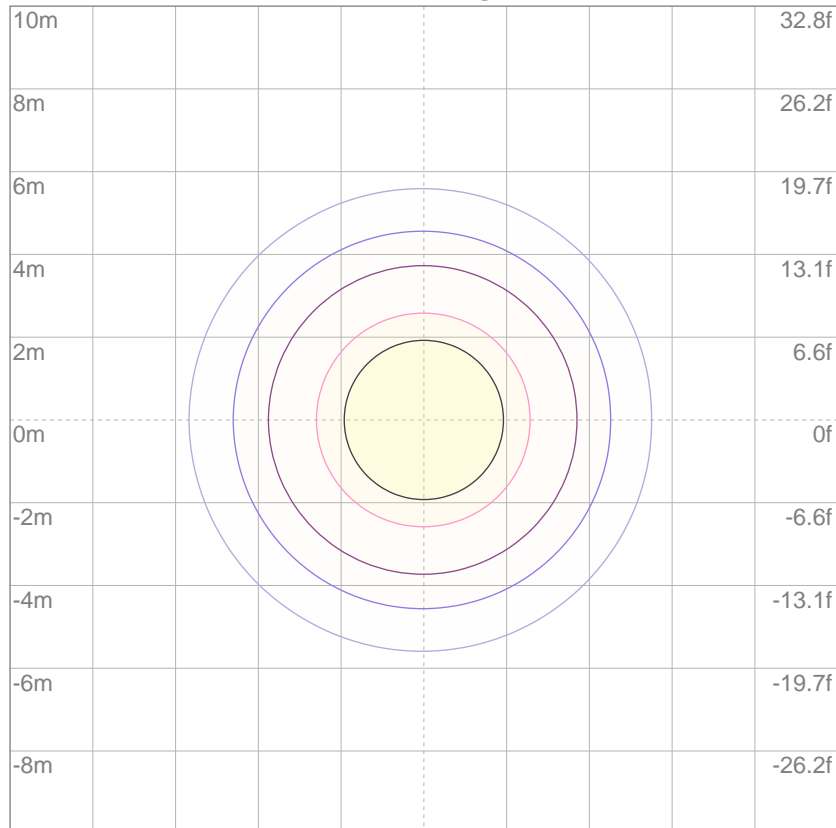
10%	2181 cd
20%	4362 cd
30%	6543 cd
40%	8724 cd
50%	10905 cd
60%	13086 cd
70%	15267 cd
80%	17448 cd
90%	19629 cd

Conditions:

Number of c-planes: 2

Candela at center: 21810 cd

ISO Lux Diagram



3%	6.54 lx
5%	10.9 lx
10%	21.8 lx
30%	65.4 lx
50%	109 lx

Conditions:

Number of c-planes: 2

Lux at center: 218 lx

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

Mounting Height: 10 meters (33 feet)