

Color Temperature:



Total Lumen Output:
14674 lm

Light Quality:

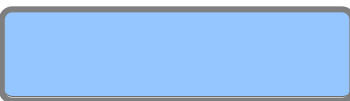


Peak:
72143 cd

Light Efficiency:



Power: 758 W



CIE 1931
x: 0.269
y: 0.258

Test: Full On

Date: 10/17/2018

Voltage: 116 V

Current: 6.53 A

Frequency: 60 Hz

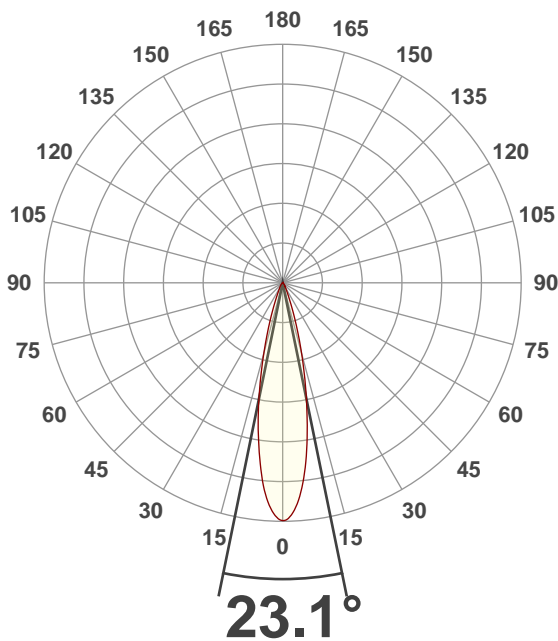
CRI: 82.4

CQS: 87.4

TM30: 79.8

Note:

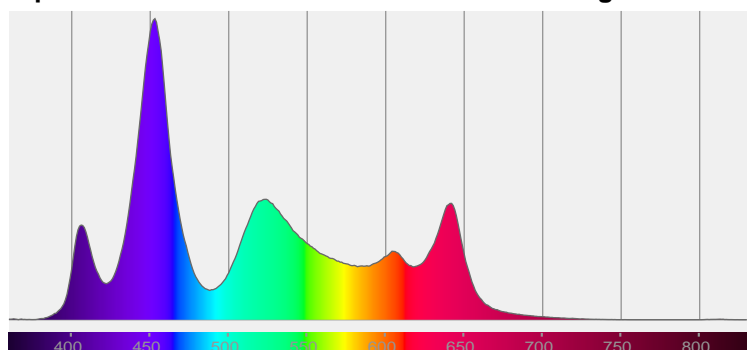
Beam Angle



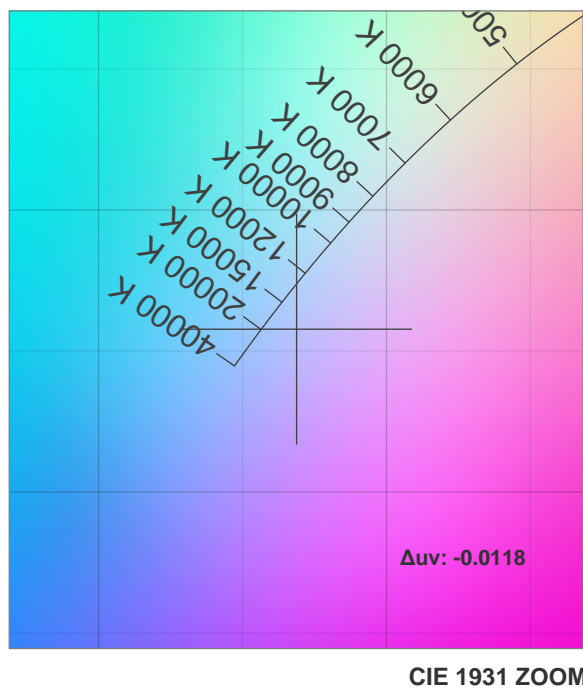
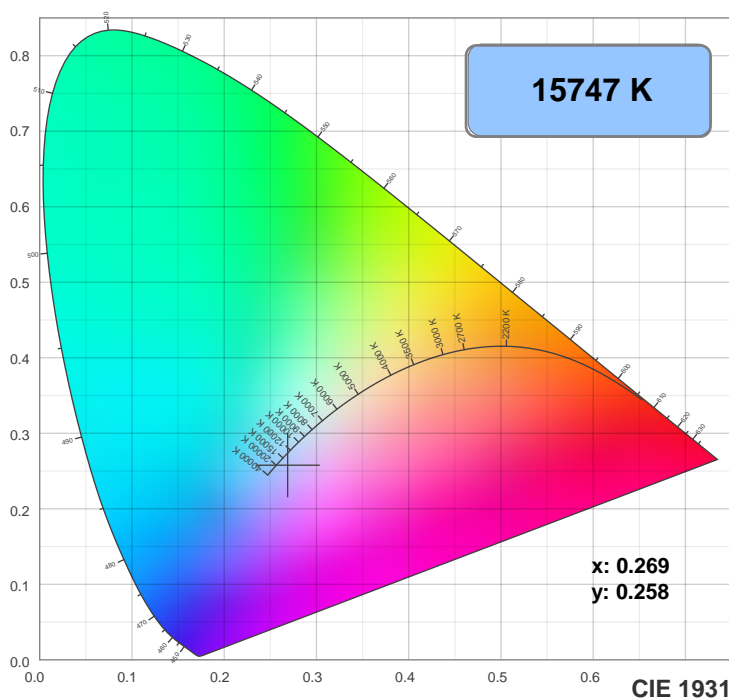
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
23.1°	42.1°	60.8°

Spectra

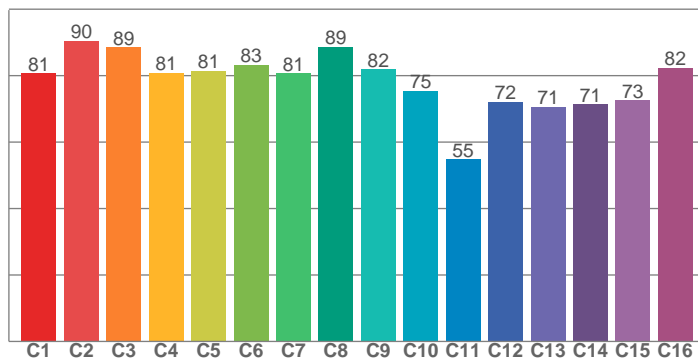
Dominant Wavelength: 465nm



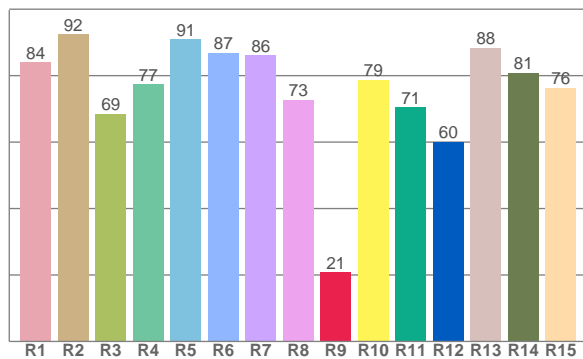
Color Details



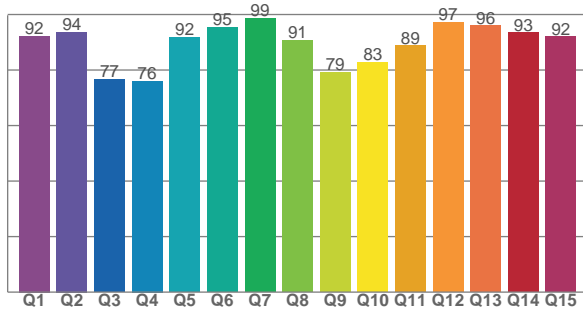
TM30: 79.8



CRI: 82.4 (R1-R8)



CQS: 87.4



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
84.1	92.5	68.5	77.4	91.0	86.9	86.1	72.8	20.8	78.7	70.6	60.1	88.4	80.9	76.4

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
80.7	90.5	88.5	80.8	81.4	83.3	80.7	88.7	81.9	75.4	54.8	72.0	70.5	71.3	72.5	82.4

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
92.3	93.7	76.6	76.1	91.8	95.4	98.7	90.7	79.2	82.8	88.8	97.2	96.1	93.5	92.1

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
15747 K	82.4	20.8	79.8	108.7	87.4	0.269	0.258	0.194	0.278	-0.0118

TM30 Details

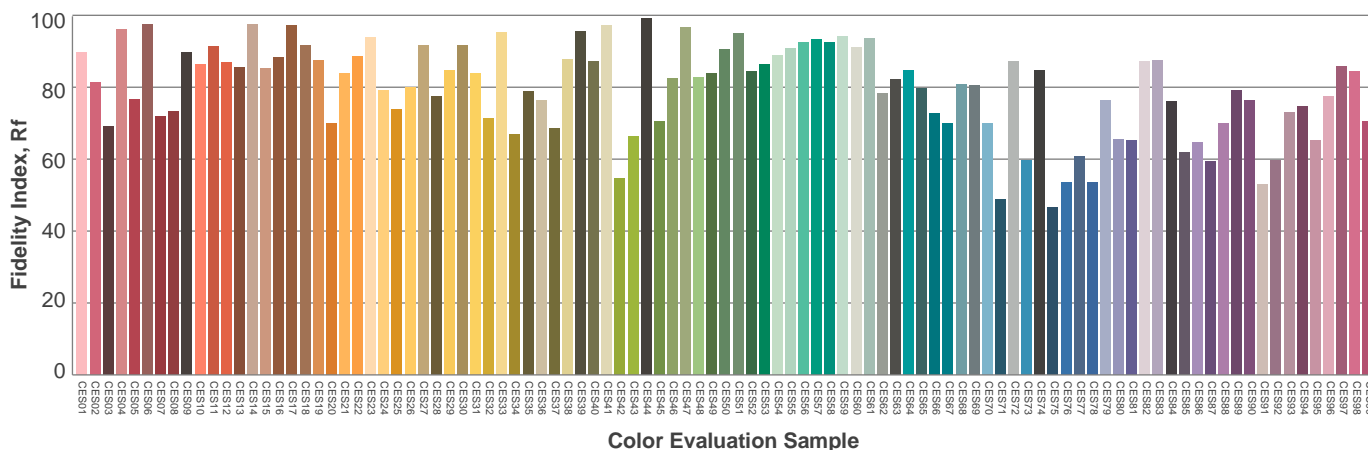
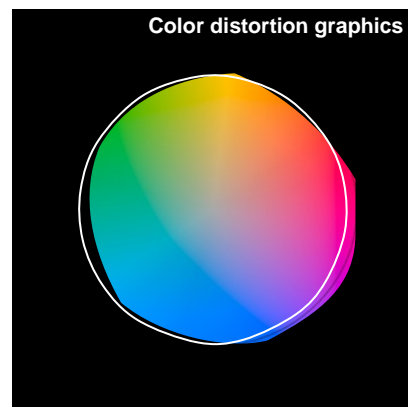
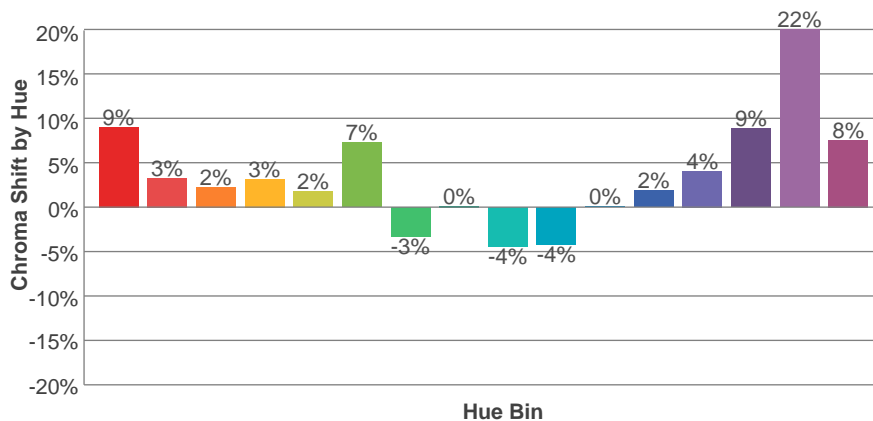
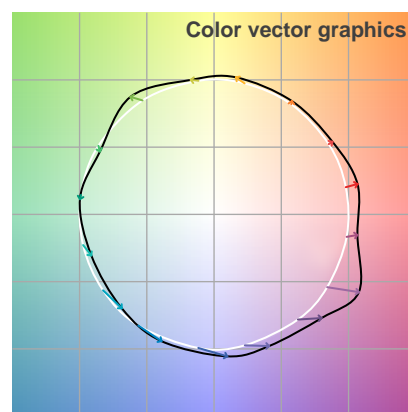
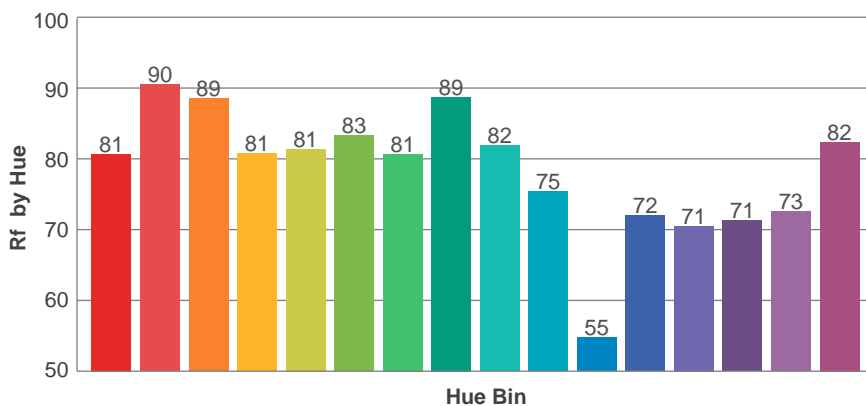
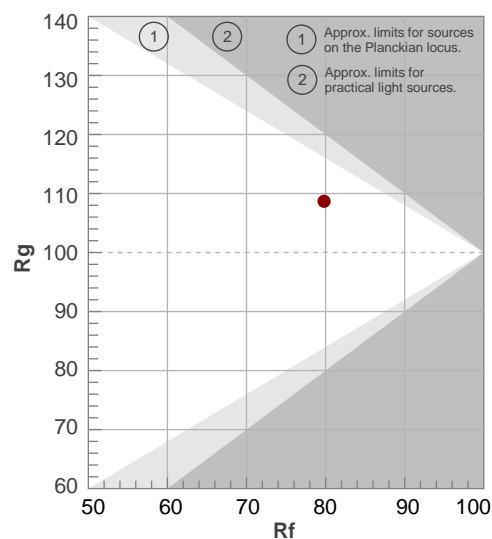
Rf 79.8

Fidelity Index Rf

Rg 108.7

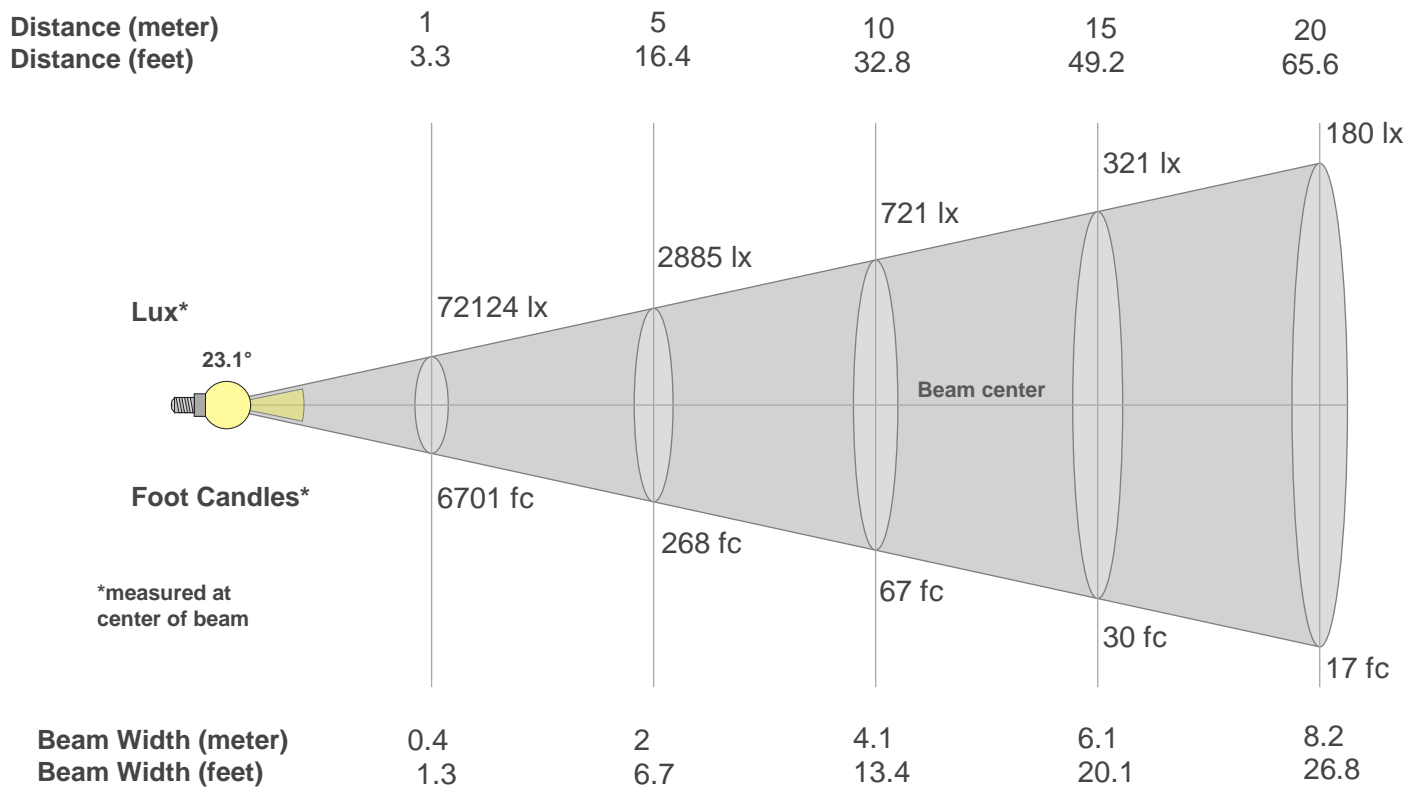
Gamut Index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	81	9%	1%
2	90	3%	0%
3	89	2%	1%
4	81	3%	7%
5	81	2%	6%
6	83	7%	6%
7	81	-3%	3%
8	89	0%	3%
9	82	-4%	9%
10	75	-4%	19%
11	55	0%	21%
12	72	2%	22%
13	71	4%	18%
14	71	9%	15%
15	73	22%	10%
16	82	8%	3%



Color Evaluation Sample

Beam Details



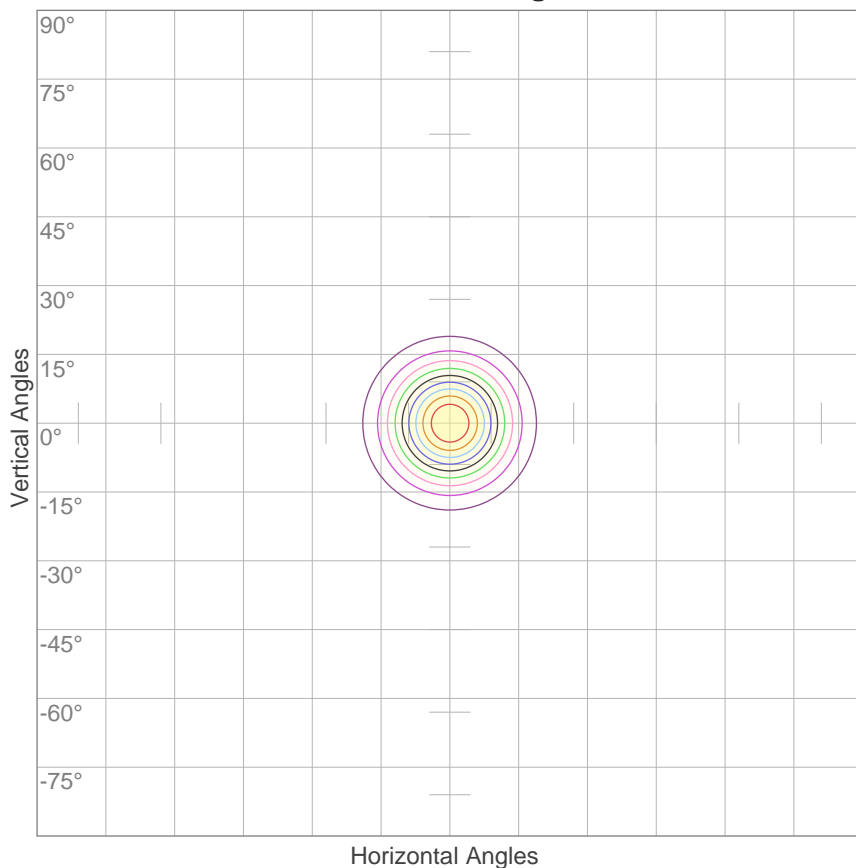
Beam Intensities from 1-20m

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	72124	18031	8014	4508	2885	2003	1472	1127	890	721	596	501	427	368	321	282	250	223	200	180
fc	6700.5	1675.1	744.5	418.8	268	186.1	136.7	104.7	82.7	67	55.4	46.5	39.6	34.2	29.8	26.2	23.2	20.7	18.6	16.8

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
23.1°	42.1°	60.8°	99.8%	97.9%

ISO Diagrams

ISO Candela Diagram



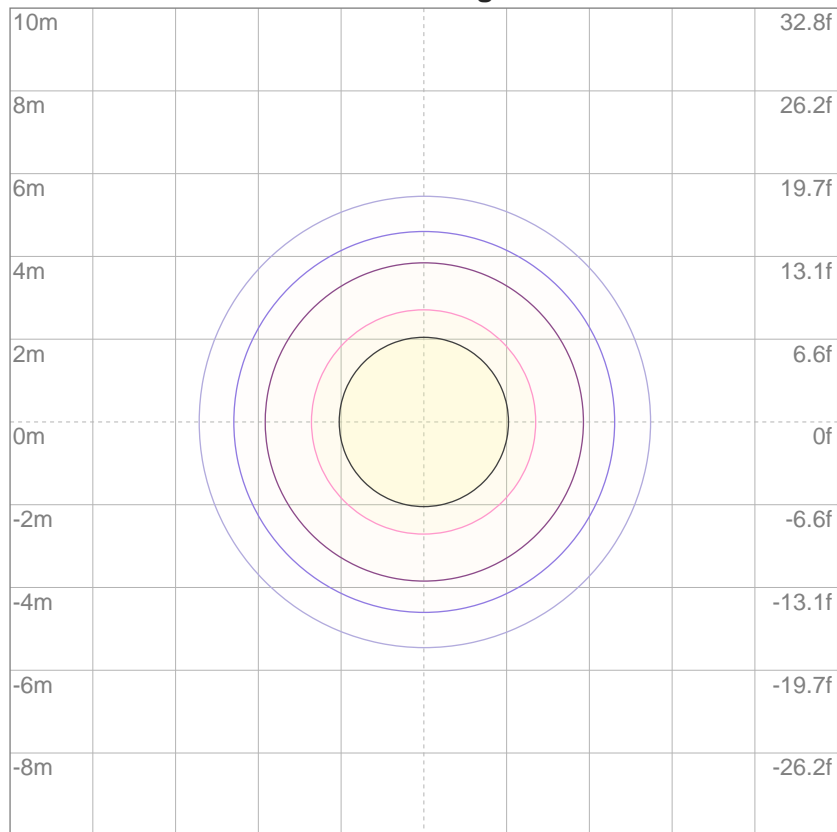
10%	7212 cd
20%	14425 cd
30%	21637 cd
40%	28850 cd
50%	36062 cd
60%	43274 cd
70%	50487 cd
80%	57699 cd
90%	64912 cd

Conditions:

Number of c-planes: 2

Candela at center: 72124 cd

ISO Lux Diagram



3%	21.6 lx
5%	36.1 lx
10%	72.1 lx
30%	216 lx
50%	361 lx

Conditions:

Number of c-planes: 2

Lux at center: 721 lx

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