

Color Temperature:



**Total Lumen Output:**  
**9770 lm**

Light Quality:

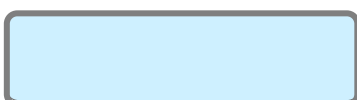


**Peak:**  
**4017875 cd**

Light Efficiency:



**Power: 422 W**



CIE 1931  
x: 0.308  
y: 0.315

**Test: Beam Zoom 50%**

**Date: 7/27/2018**

**Voltage: 116 V**

**Current: 3.63 A**

**Frequency: 60 Hz**

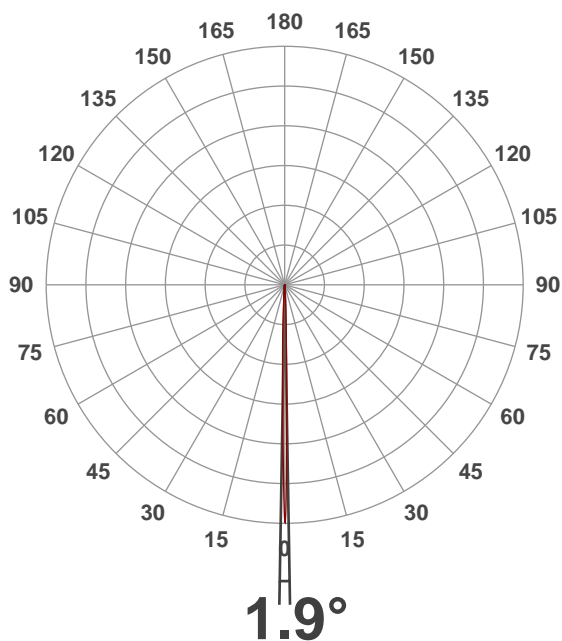
**CRI: 76.1**

**CQS: 71.4**

**TM30: 75.4**

**Note:**

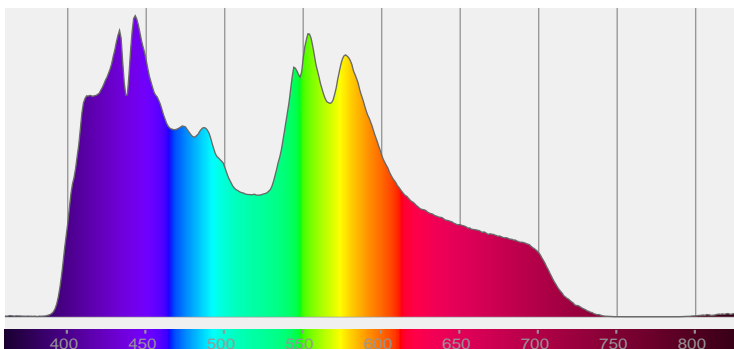
**Beam Angle**



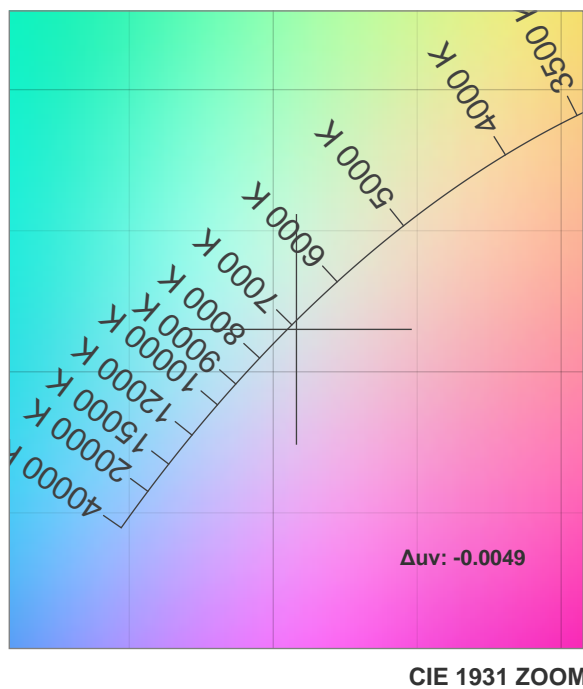
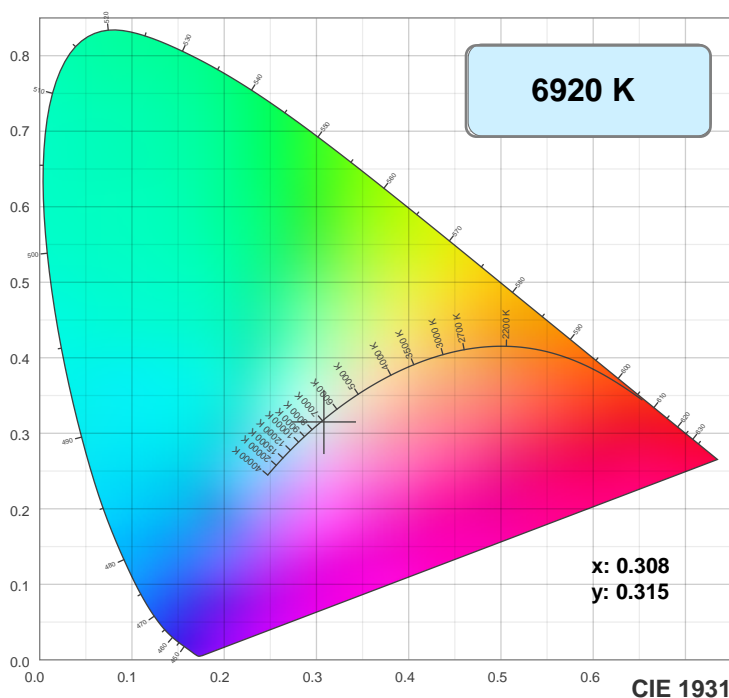
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
1.9°	5.8°	6.9°

**Spectra**

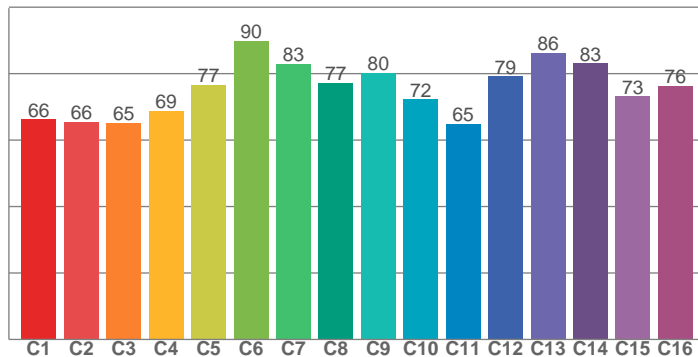
**Dominant Wavelength: 360nm**



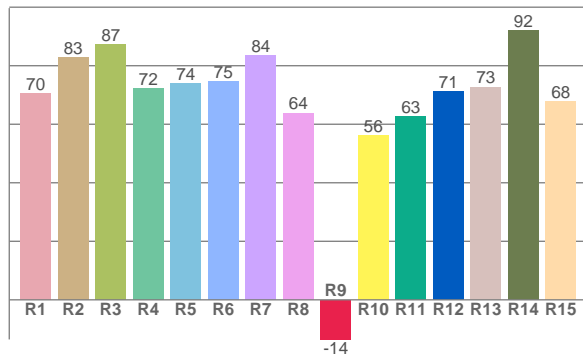
## Color Details



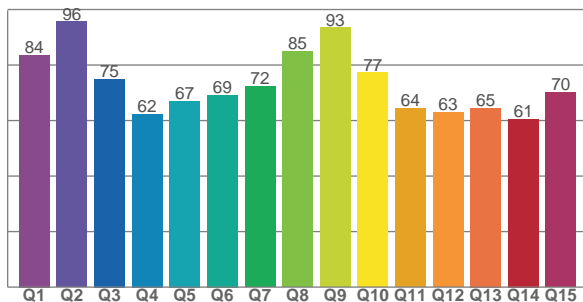
**TM30: 75.4**



**CRI: 76.1 (R1-R8)**



**CQS: 71.4**



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
70.5	82.7	87.3	72.2	74.0	74.7	83.7	63.9	-13.5	56.3	62.7	71.1	72.8	92.2	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
66.3	65.6	65.1	68.7	76.6	89.8	82.9	77.3	80.2	72.2	64.8	79.2	86.2	83.1	73.2	76.3

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.6	95.7	74.9	62.4	67.1	69.2	72.4	85.0	93.4	77.3	64.4	63.0	64.5	60.6	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
6920 K	76.1	-13.5	75.4	91.6	71.4	0.308	0.315	0.200	0.307	-0.0049

## TM30 Details

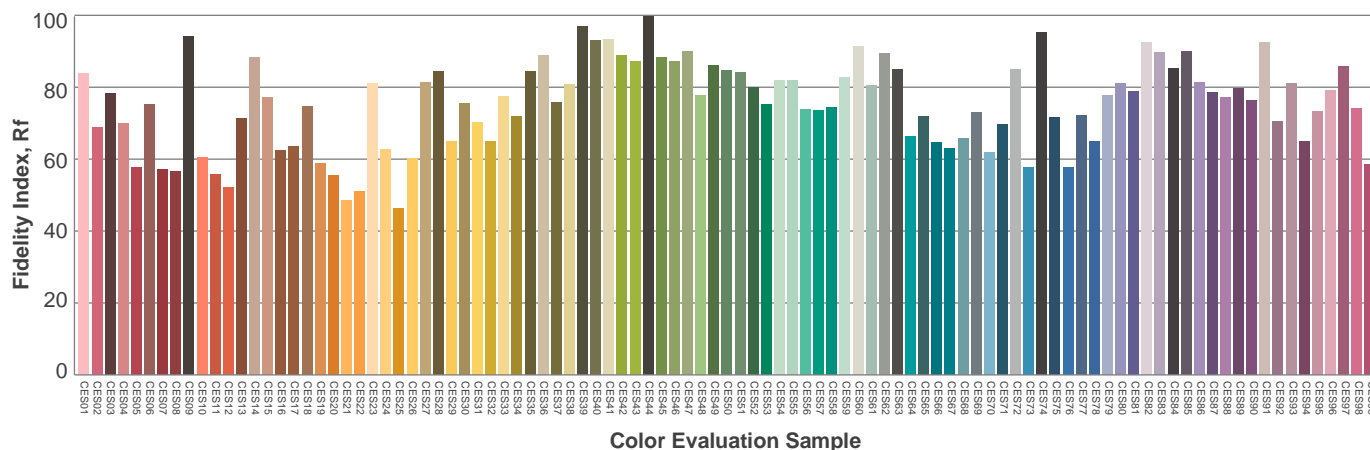
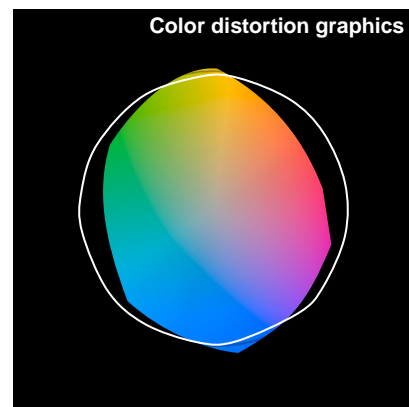
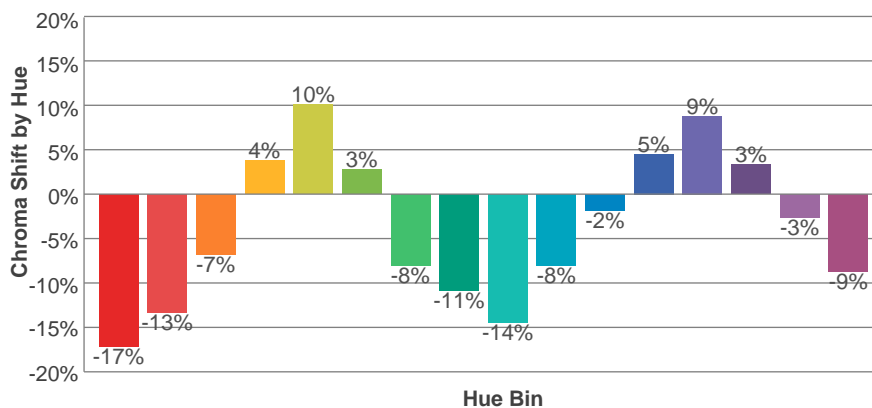
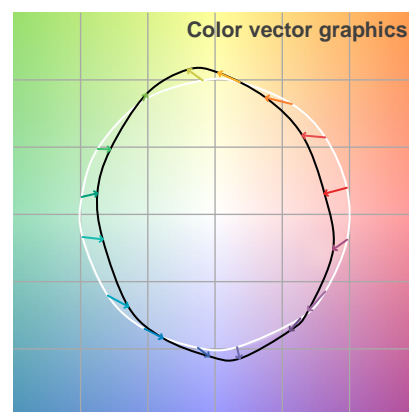
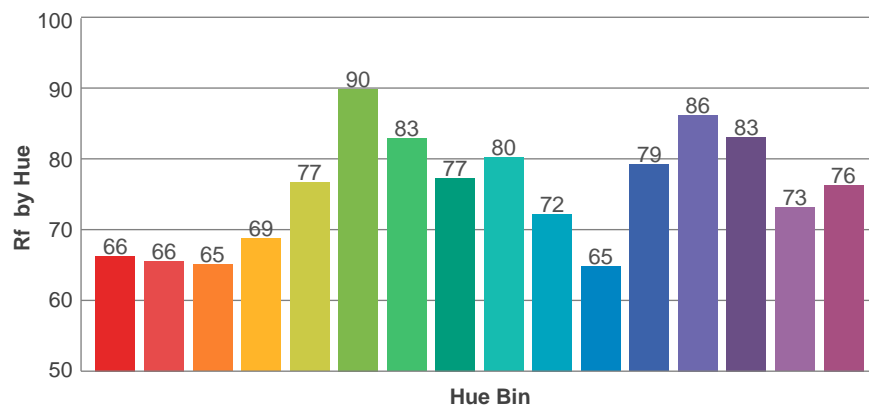
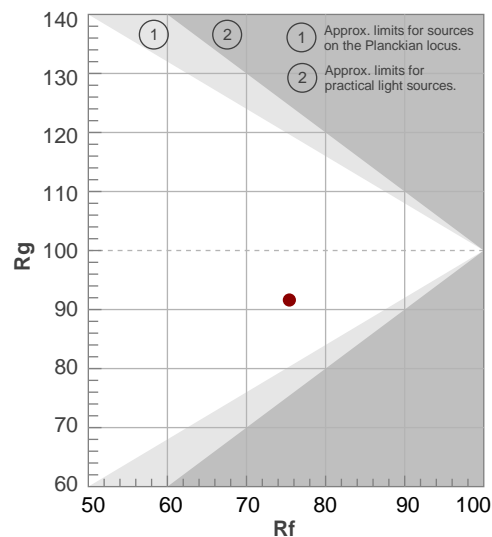
**Rf 75.4**

Fidelity Index Rf

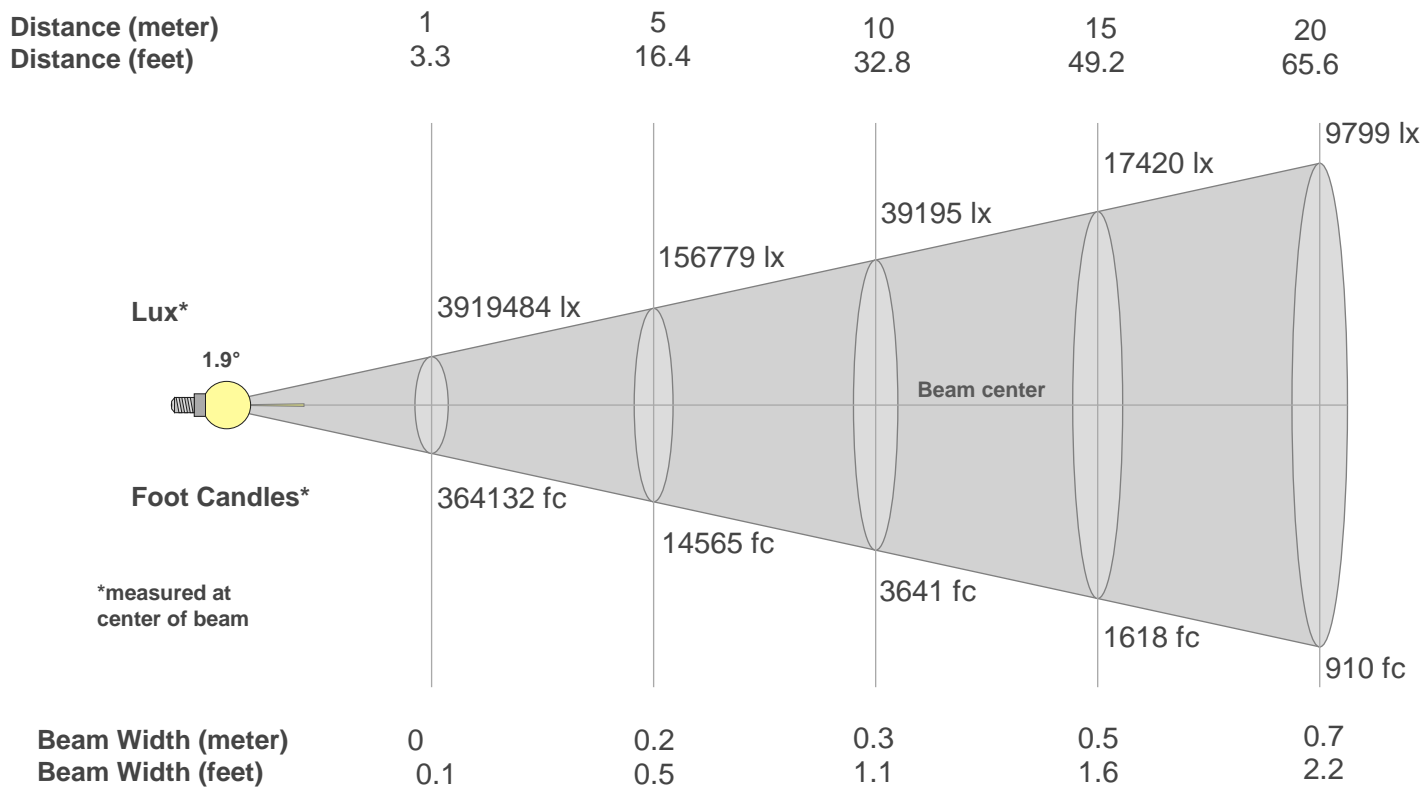
**Rg 91.6**

Gamut Index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	66	-17%	-1%
2	66	-13%	11%
3	65	-7%	19%
4	69	4%	17%
5	77	10%	9%
6	90	3%	-5%
7	83	-8%	-5%
8	77	-11%	-5%
9	80	-14%	5%
10	72	-8%	15%
11	65	-2%	15%
12	79	5%	9%
13	86	9%	0%
14	83	3%	-12%
15	73	-3%	-19%
16	76	-9%	-9%



## Beam Details



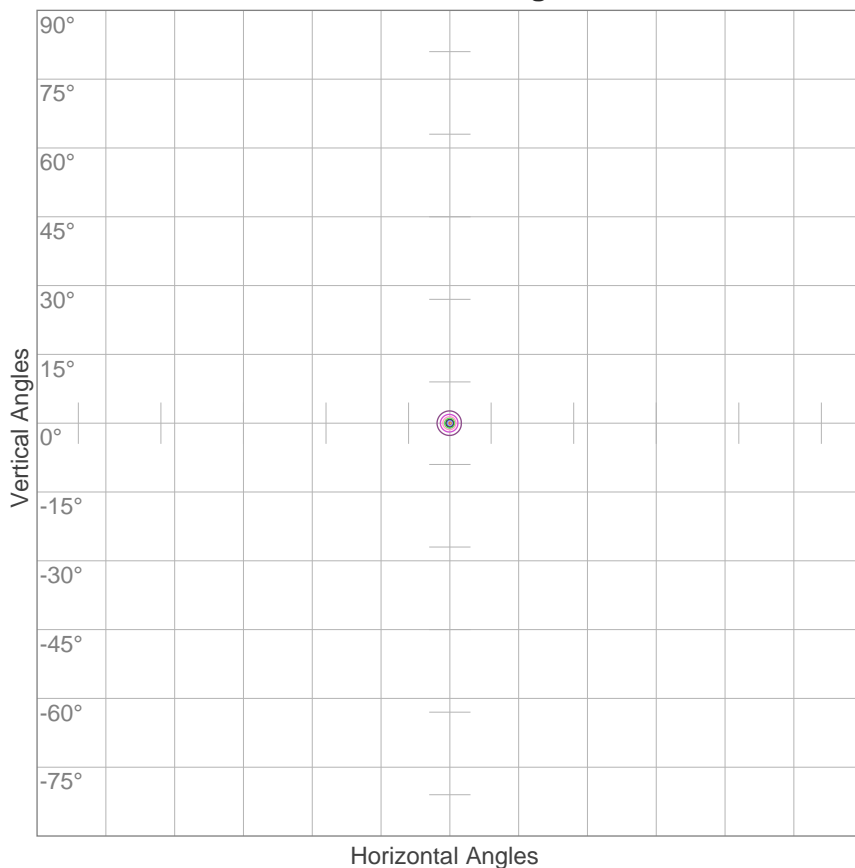
Beam Intensities from 1-20m

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	3919484	979871	435498	244968	156779	108875	79989	61242	48389	39195	32392	27219	23192	19997	17420	15310	13562	12097	10857	9799
fc	364132	91033	40459.1	22758.3	14565.3	10114.8	7431.3	5689.6	4495.5	3641.3	3009.4	2528.7	2154.6	1857.8	1618.4	1422.4	1260	1123.9	1008.7	910.3

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
1.9°	5.8°	6.9°	99.8%	99.8%

## ISO Diagrams

### ISO Candela Diagram



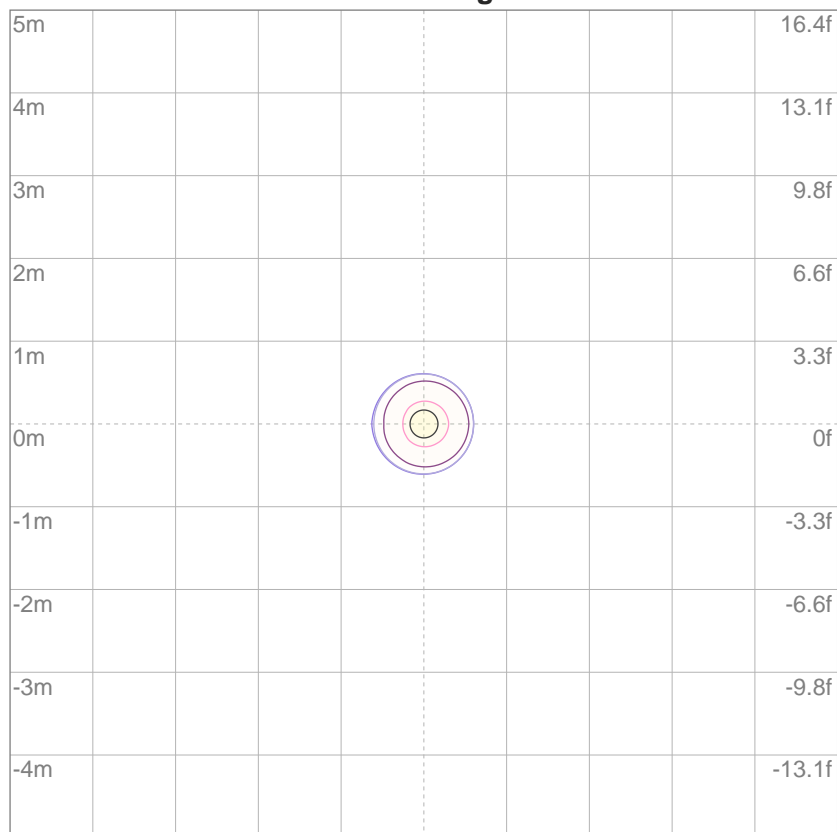
10%	391948 cd
20%	783897 cd
30%	1175845 cd
40%	1567794 cd
50%	1959742 cd
60%	2351690 cd
70%	2743639 cd
80%	3135587 cd
90%	3527536 cd

#### Conditions:

Number of c-planes: 2

Candela at center: 3919484 cd

### ISO Lux Diagram



3%	1176 lx
5%	1960 lx
10%	3919 lx
30%	11.8K lx
50%	19.6K lx

#### Conditions:

Number of c-planes: 2

Lux at center: 39.2K lx

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