

Color Temperature:



**Total Lumen Output:**  
**10822 lm**

Light Quality:

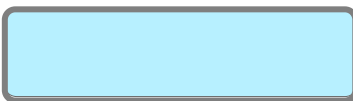


**Peak:**  
**55494 cd**

Light Efficiency:



**Power: 383 W**



CIE 1931  
x: 0.298  
y: 0.316

**Test: CRI Value**

**Date: 10/11/2018**

**Voltage: 113 V**

**Current: 3.44 A**

**Frequency: 60 Hz**

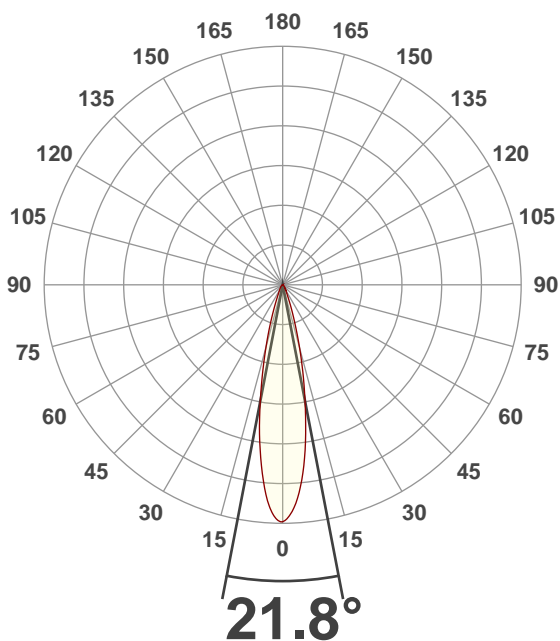
**CRI: 88.3**

**CQS: 88.9**

**TM30: 84.9**

**Note:**

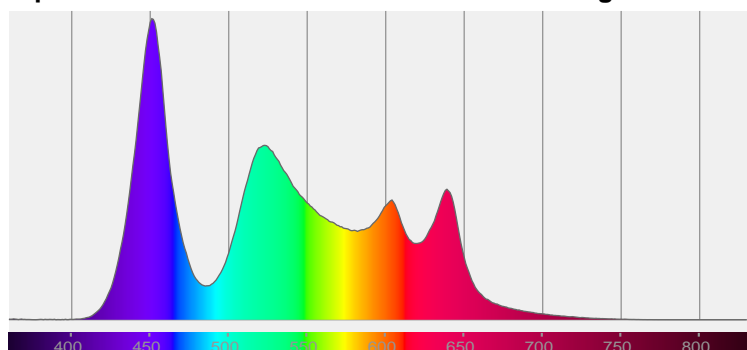
**Beam Angle**



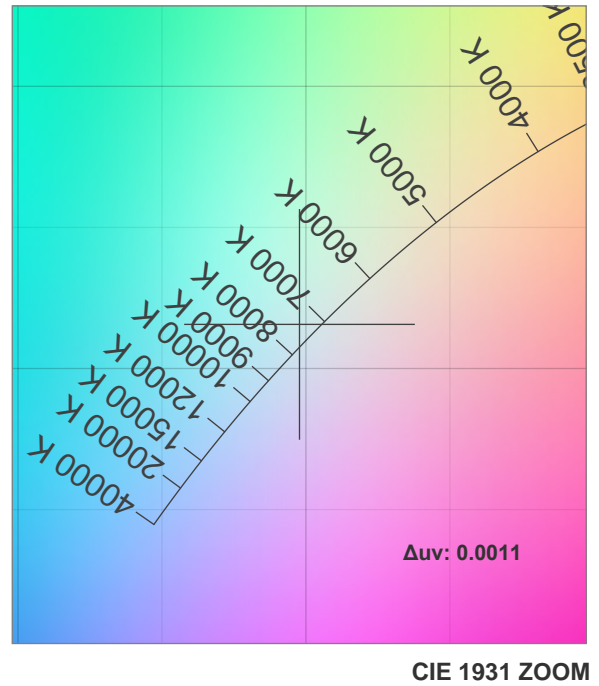
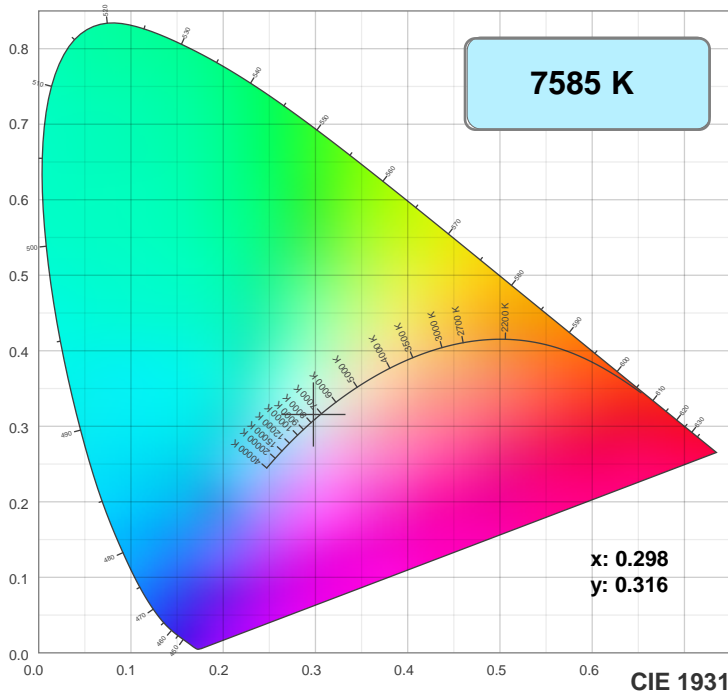
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
21.8°	40.8°	61.5°

**Spectra**

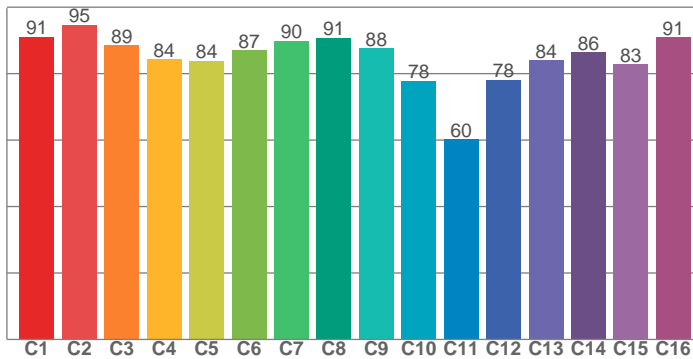
**Dominant Wavelength: 480nm**



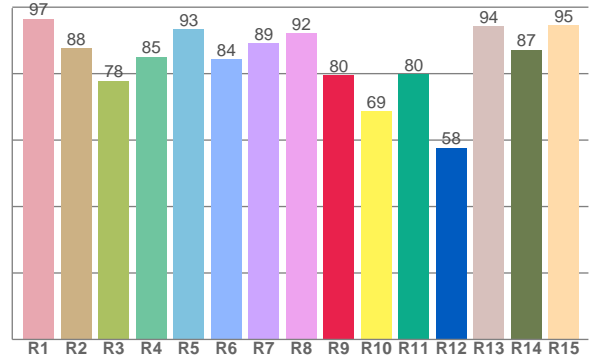
## Color Details



**TM30: 84.9**



**CRI: 88.3 (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
96.5	87.7	77.9	85.1	93.4	84.2	89.2	92.2	79.6	68.7	79.9	57.7	94.2	87.2	94.6

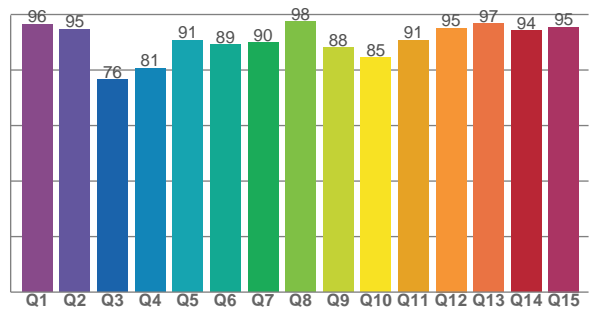
TM30 C Values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
91.0	94.6	88.5	84.3	83.9	87.1	90.0	90.8	87.6	77.8	60.2	78.2	84.0	86.4	82.8	90.9

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
96.5	94.7	76.5	80.7	90.7	89.2	89.9	97.5	88.1	84.5	90.7	95.2	96.8	94.1	95.5

**CQS: 88.9**



## 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
7585 K	88.3	79.6	84.9	103.9	88.9	0.298	0.316	0.192	0.306	0.0011

## TM30 Details

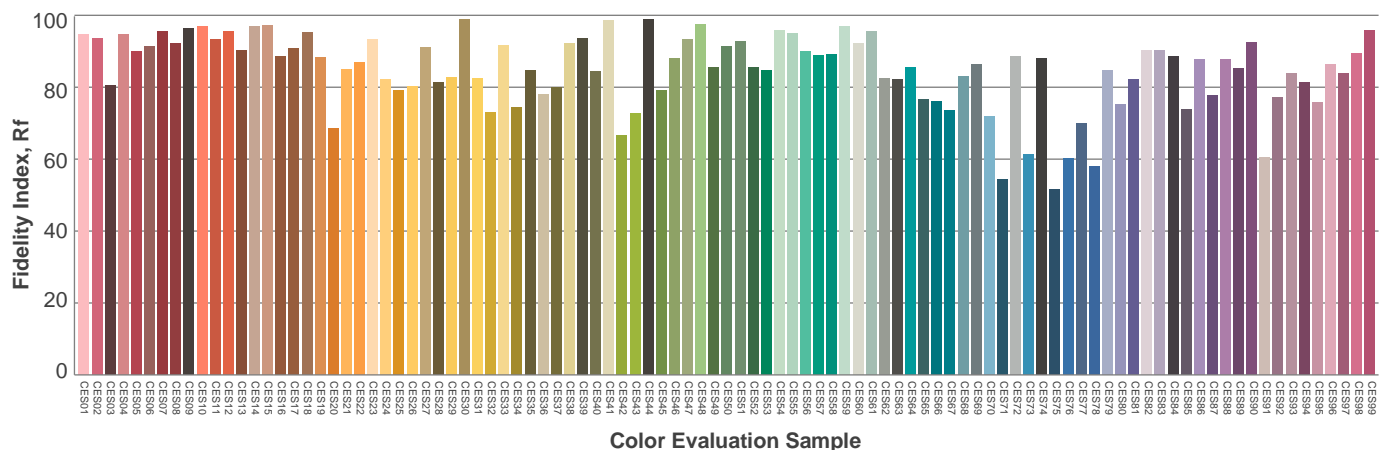
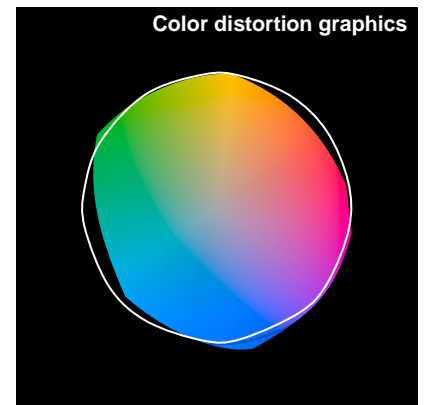
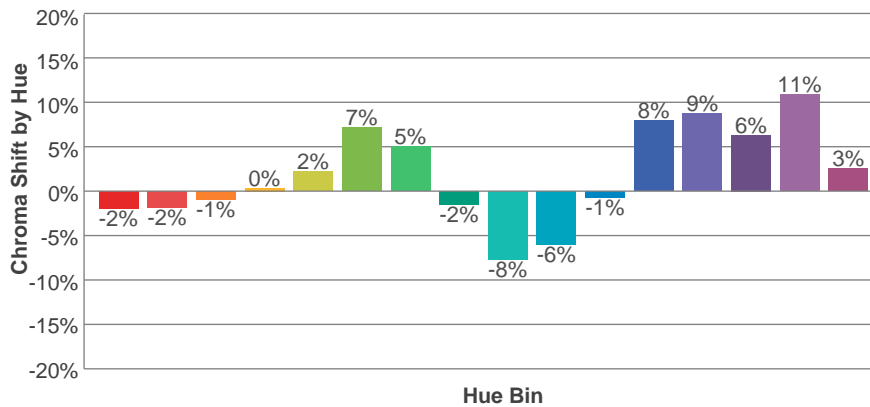
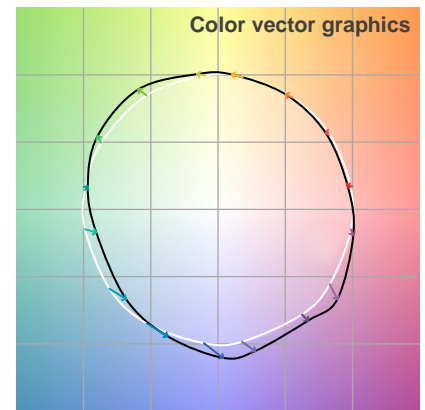
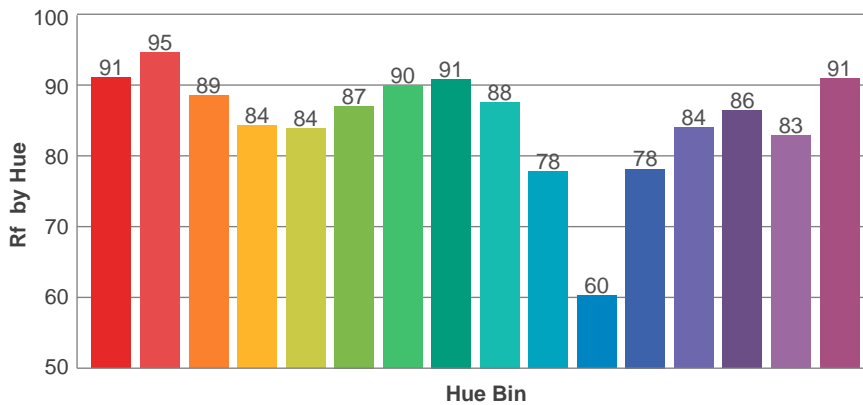
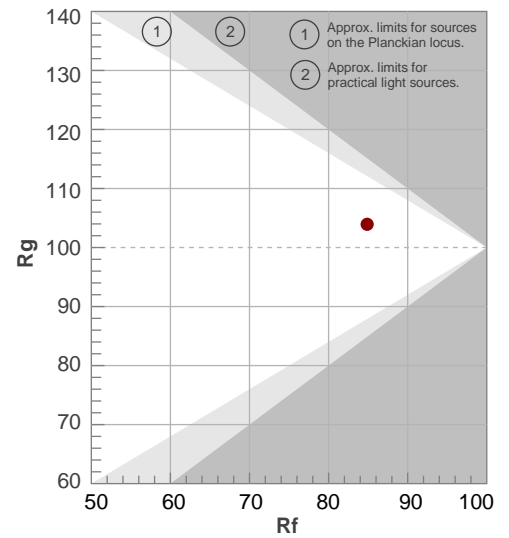
**Rf 84.9**

Fidelity Index Rf

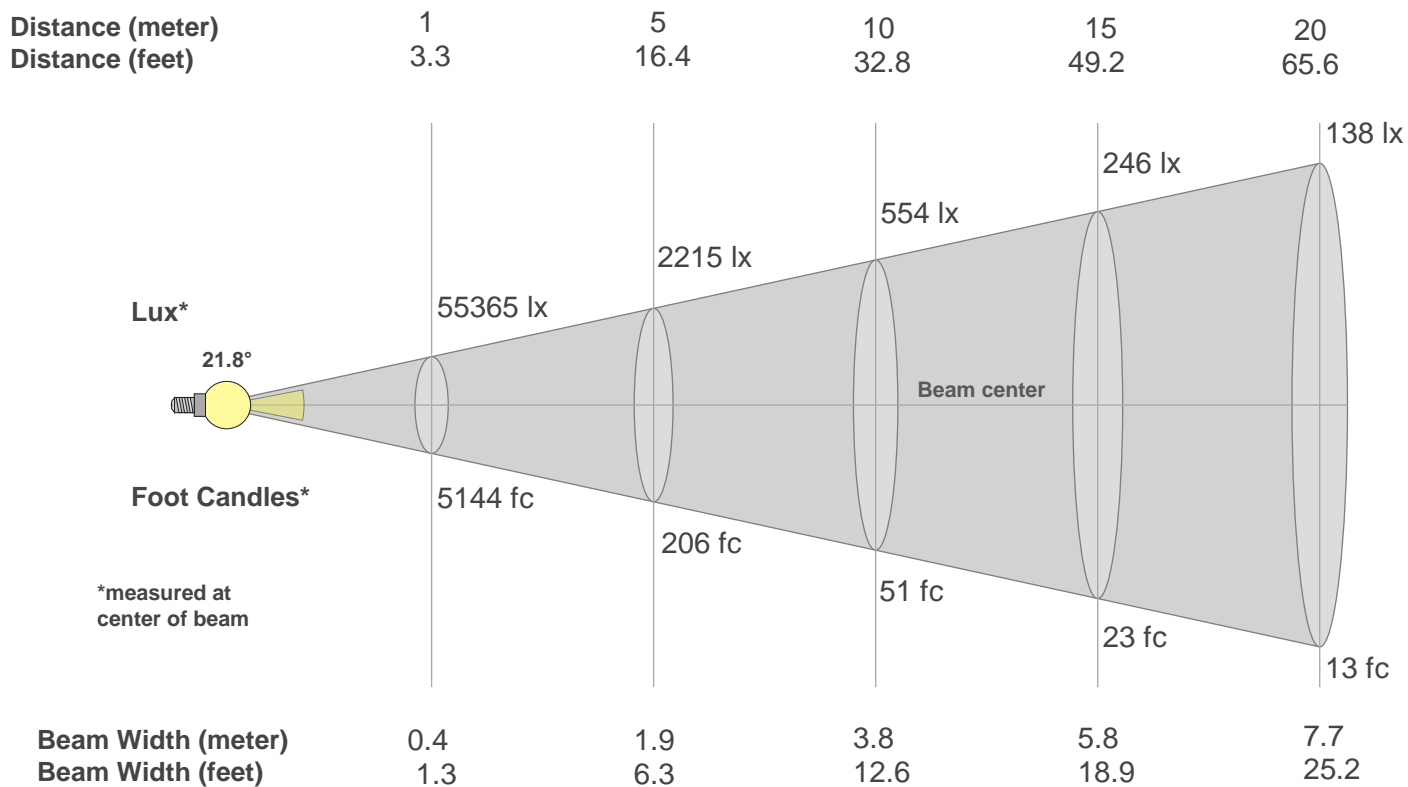
**Rg 103.9**

Gamut Index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-3%
2	95	-2%	1%
3	89	-1%	5%
4	84	0%	8%
5	84	2%	6%
6	87	7%	2%
7	90	5%	-2%
8	91	-2%	-3%
9	88	-8%	4%
10	78	-6%	13%
11	60	-1%	18%
12	78	8%	16%
13	84	9%	8%
14	86	6%	1%
15	83	11%	-6%
16	91	3%	-4%



## Beam Details



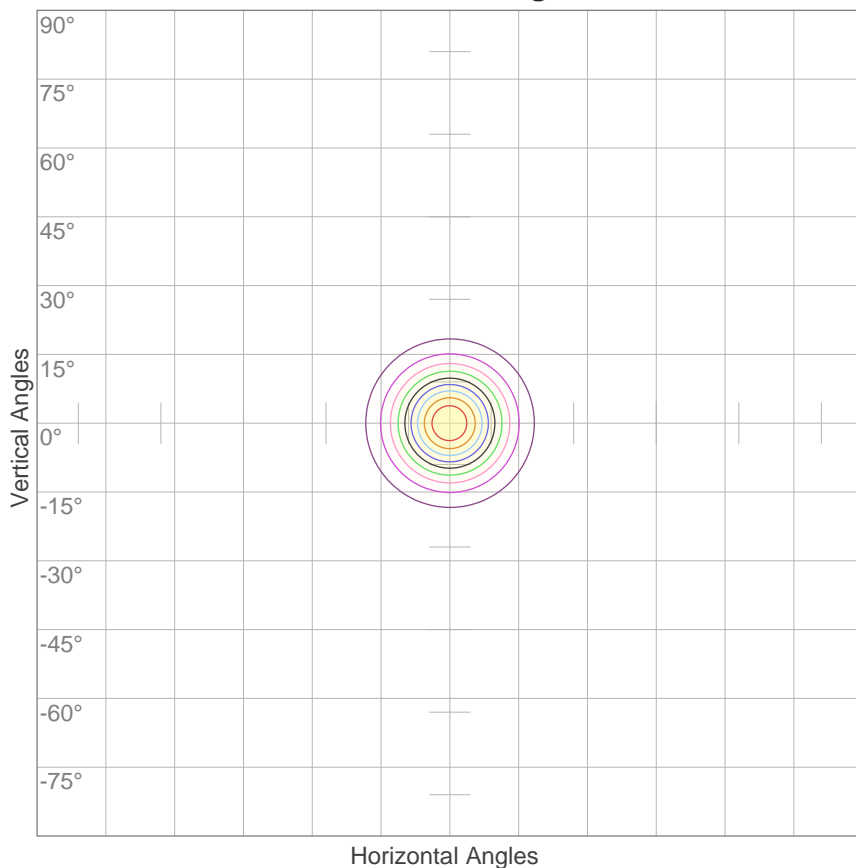
### Beam Intensities from 1-20m

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	55365	13841	6152	3460	2215	1538	1130	865	684	554	458	384	328	282	246	216	192	171	153	138
fc	5143.6	1285.9	571.5	321.5	205.7	142.9	105	80.4	63.5	51.4	42.5	35.7	30.4	26.2	22.9	20.1	17.8	15.9	14.2	12.9

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
21.8°	40.8°	61.5°	99.6%	96.2%

## ISO Diagrams

### ISO Candela Diagram



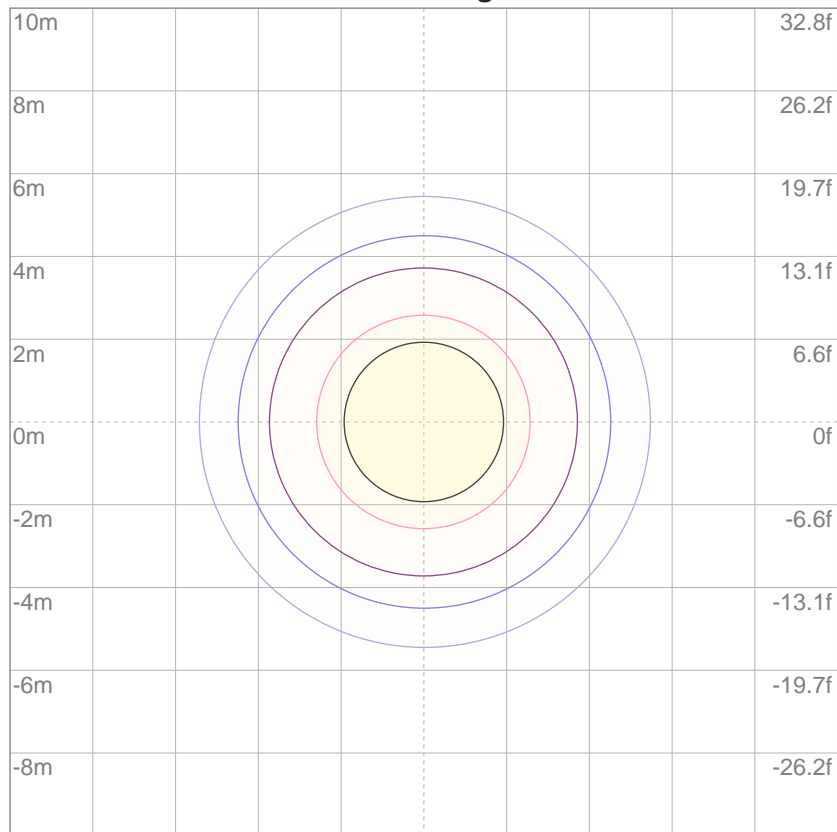
10%	5536 cd
20%	11073 cd
30%	16609 cd
40%	22146 cd
50%	27682 cd
60%	33219 cd
70%	38755 cd
80%	44292 cd
90%	49828 cd

#### Conditions:

Number of c-planes: 2

Candela at center: 55365 cd

### ISO Lux Diagram



3%	16.6 lx
5%	27.7 lx
10%	55.4 lx
30%	166 lx
50%	277 lx

#### Conditions:

Number of c-planes: 2

Lux at center: 554 lx

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