

Color Temperature:



**Total Lumen Output:**  
**1246 lm**

Light Quality:

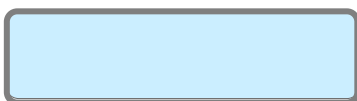


**Peak:**  
**9668 cd**

Light Efficiency:



**Power: 28.8 W**



CIE 1931  
x: 0.305  
y: 0.311

**Test: White**

**Date: 3/23/2018**

**Voltage: 114 V**

**Current: 0.262 A**

**Frequency: 60 Hz**

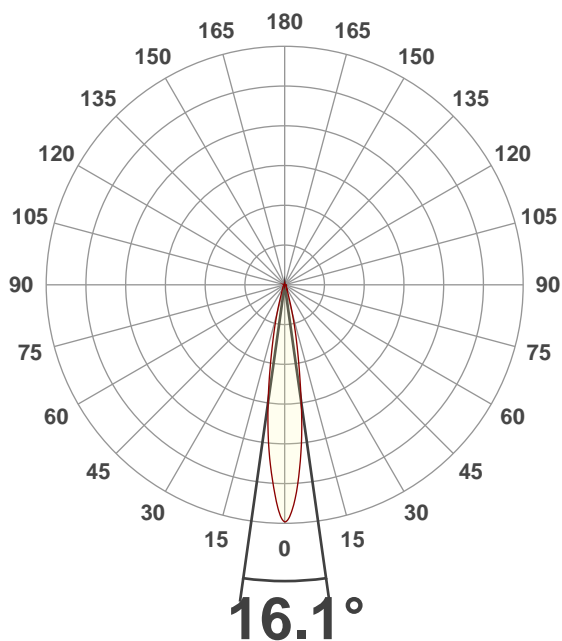
**CRI: 72.4**

**CQS: 69.5**

**TM30: 67.2**

**Note:**

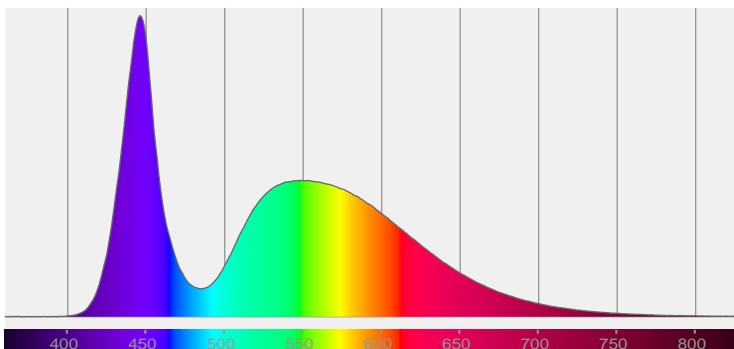
**Beam Angle**



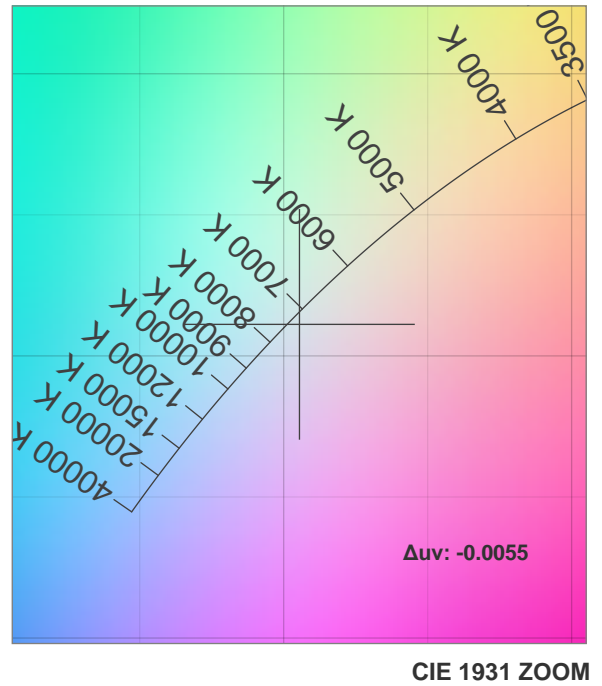
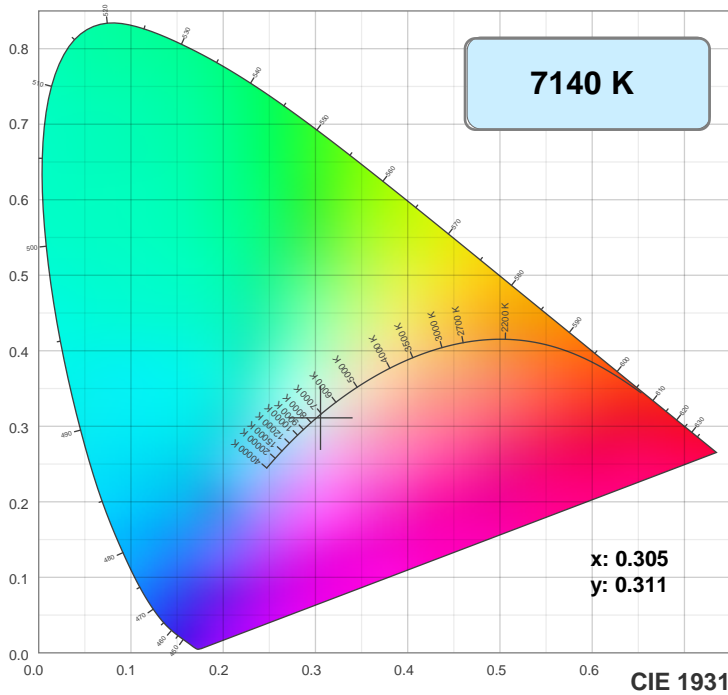
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
16.1°	31.8°	49.8°

**Spectra**

**Dominant Wavelength: 360nm**

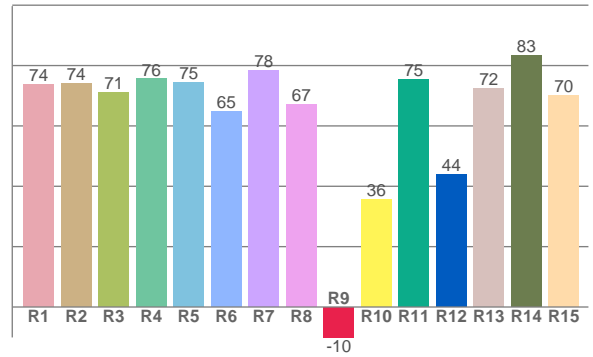
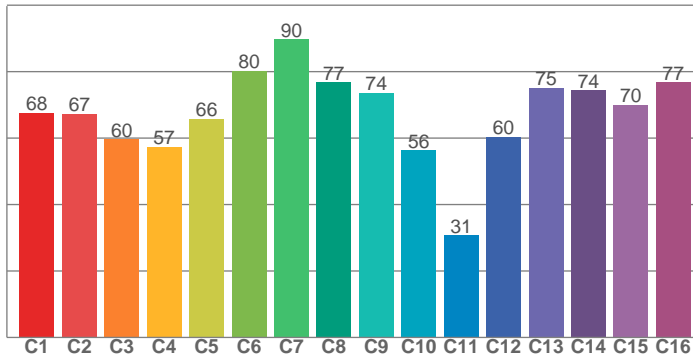


## Color Details



TM30: 67.2

CRI: 72.4 (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
73.8	74.1	71.0	75.6	74.5	64.9	78.5	67.1	-10.1	35.6	75.3	43.9	72.4	83.4	70.0

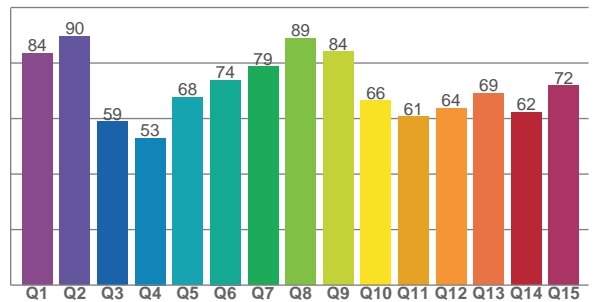
TM30 C Values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.6	67.3	59.6	57.3	65.8	80.3	89.8	76.8	73.7	56.3	30.8	60.3	75.2	74.4	70.0	76.8

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
83.5	89.7	58.9	53.0	67.7	73.9	78.6	89.0	84.1	66.5	60.6	63.7	69.1	62.3	71.8

CQS: 69.5



## 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	$\Delta uv$
7140 K	72.4	-10.1	67.2	96.4	69.5	0.305	0.311	0.200	0.305	-0.0055

## TM30 Details

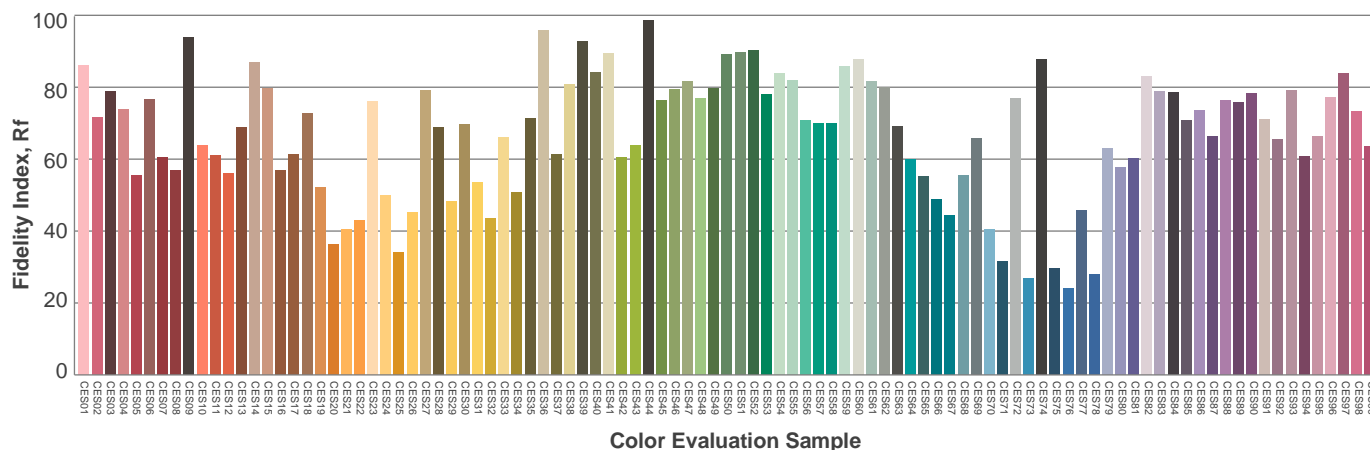
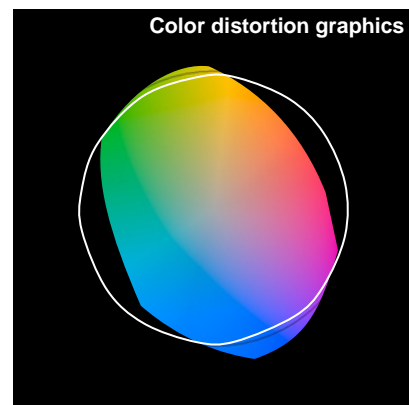
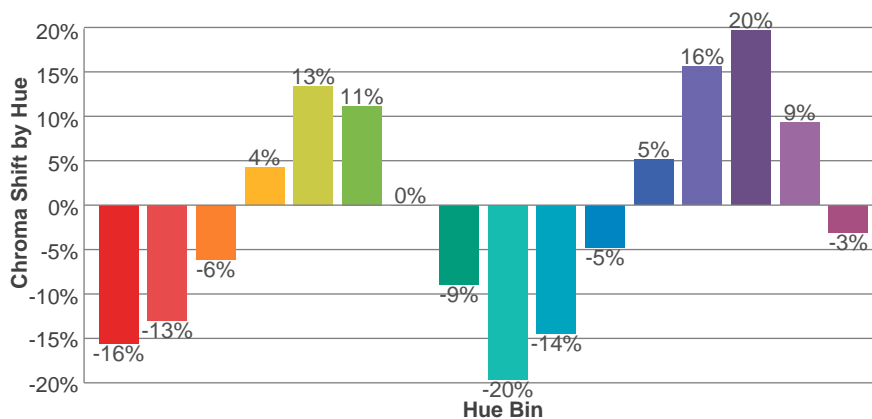
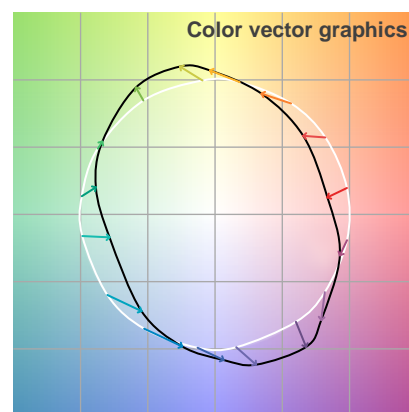
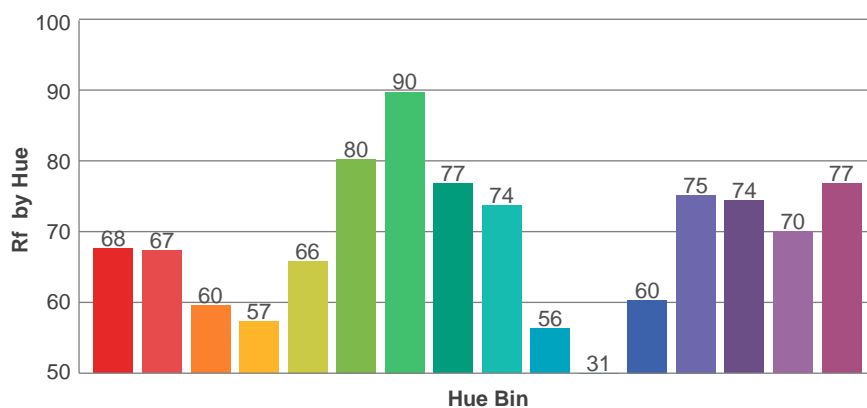
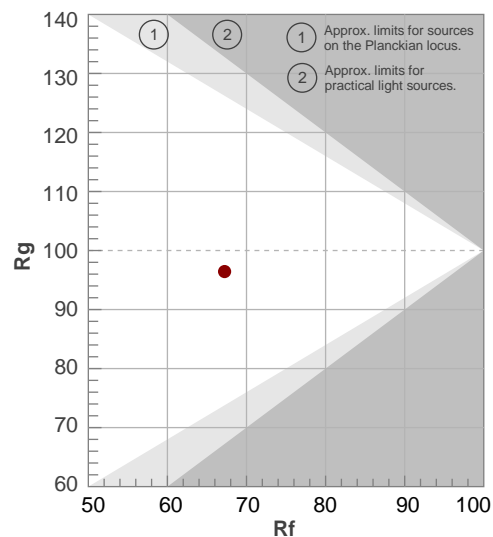
**Rf 67.2**

Fidelity Index Rf

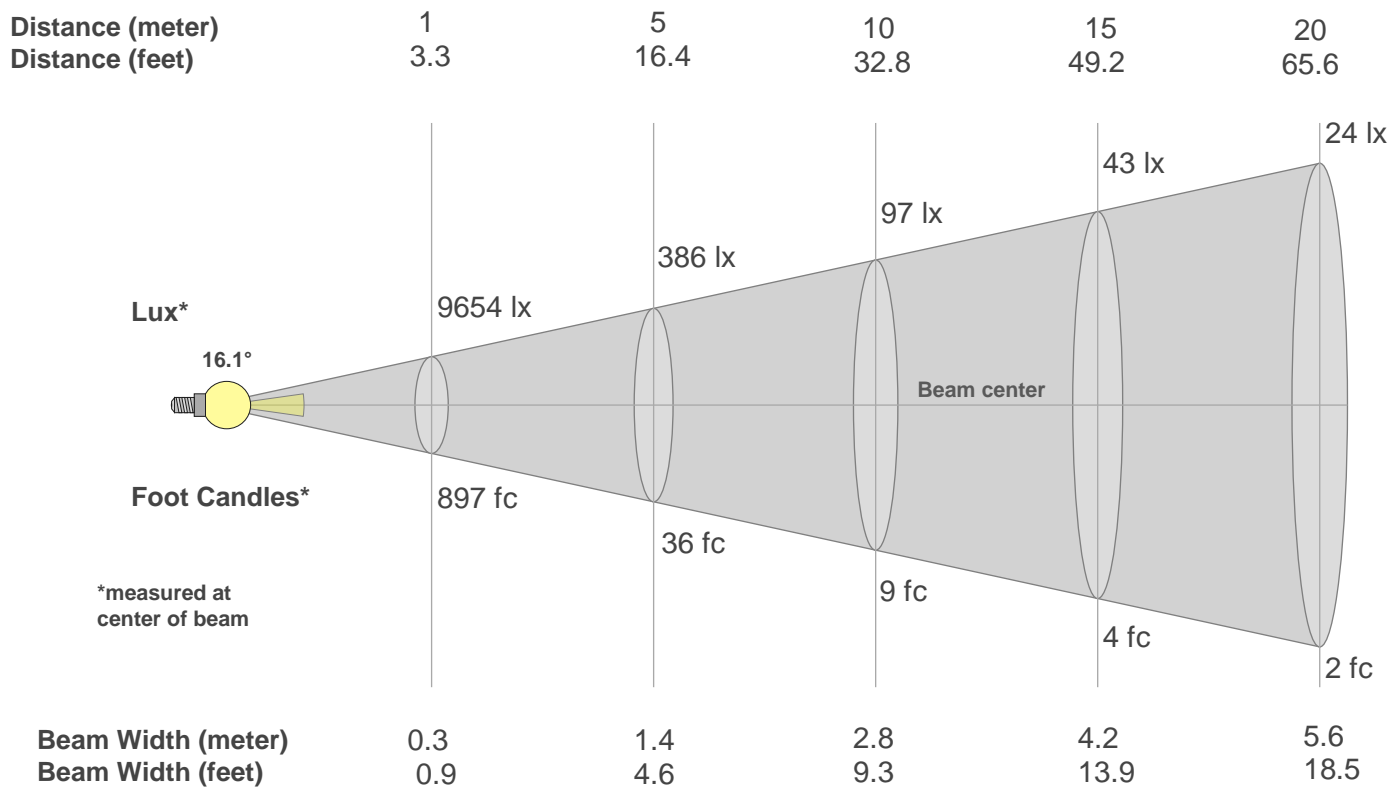
**Rg 96.4**

Gamut Index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	68	-16%	-4%
2	67	-13%	10%
3	60	-6%	22%
4	57	4%	23%
5	66	13%	14%
6	80	11%	-1%
7	90	0%	-6%
8	77	-9%	-9%
9	74	-20%	5%
10	56	-14%	24%
11	31	-5%	31%
12	60	5%	21%
13	75	16%	12%
14	74	20%	-4%
15	70	9%	-19%
16	77	-3%	-12%



## Beam Details



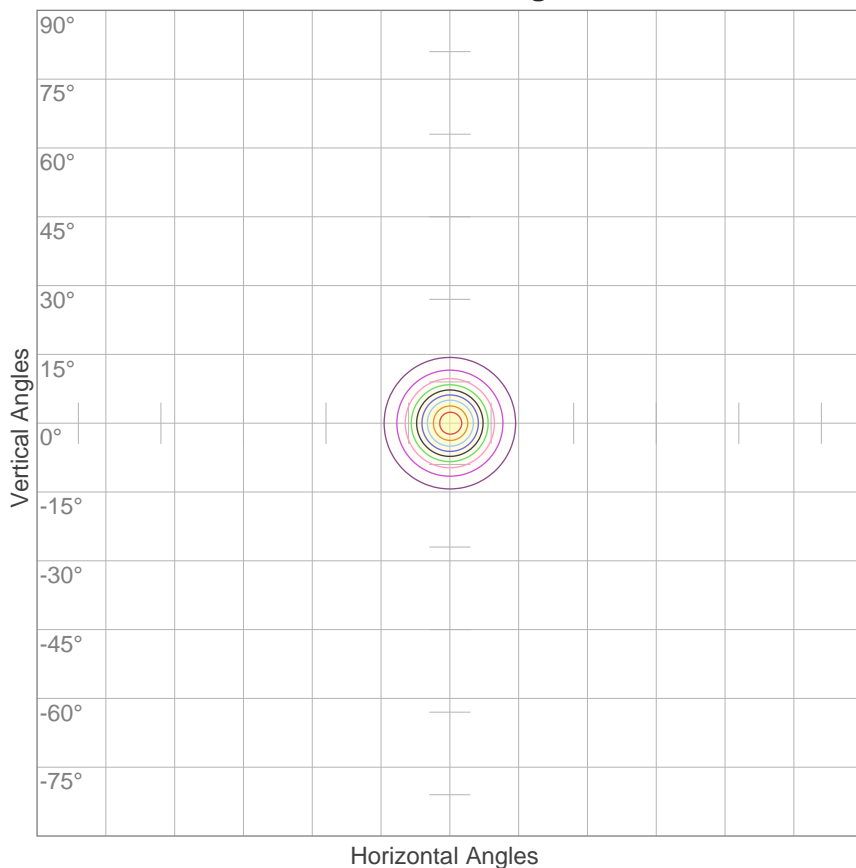
### Beam Intensities from 1-20m

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	9654	2414	1073	603	386	268	197	151	119	97	80	67	57	49	43	38	33	30	27	24
fc	896.9	224.2	99.7	56.1	35.9	24.9	18.3	14	11.1	9	7.4	6.2	5.3	4.6	4	3.5	3.1	2.8	2.5	2.2

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
16.1°	31.8°	49.8°	97.6%	92.7%

## ISO Diagrams

### ISO Candela Diagram



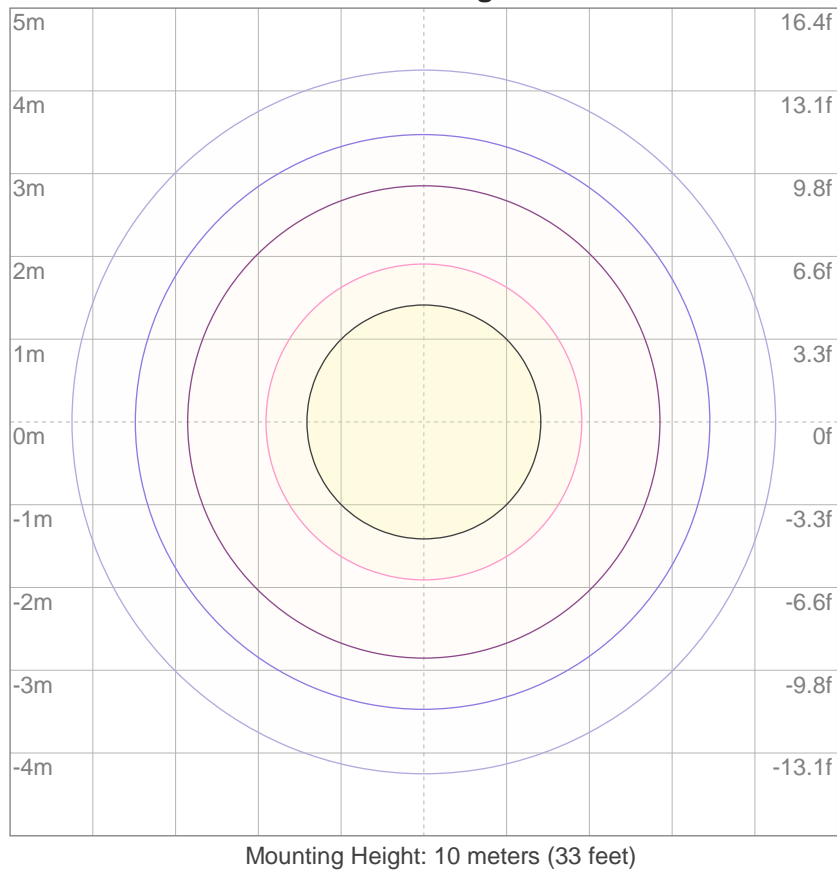
10%	965 cd
20%	1931 cd
30%	2896 cd
40%	3862 cd
50%	4827 cd
60%	5793 cd
70%	6758 cd
80%	7723 cd
90%	8689 cd

#### Conditions:

Number of c-planes: 2

Candela at center: 9654 cd

### ISO Lux Diagram



3%	2.90 lx
5%	4.83 lx
10%	9.65 lx
30%	29.0 lx
50%	48.3 lx

#### Conditions:

Number of c-planes: 2

Lux at center: 96.5 lx

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