

Color Temperature:



Total Lumen Output:
5157 lm

Light Quality:



Peak:
39059 cd

Light Efficiency:



Power: 196 W



CIE 1931
x: 0.392
y: 0.346

Test: CRI Value

Date: 7/3/2018

Voltage: 114 V

Current: 1.77 A

Frequency: 60 Hz

CRI: 91.1

CQS: 82.4

TM30: 78.4

Note:

R @ 175

G @ 13

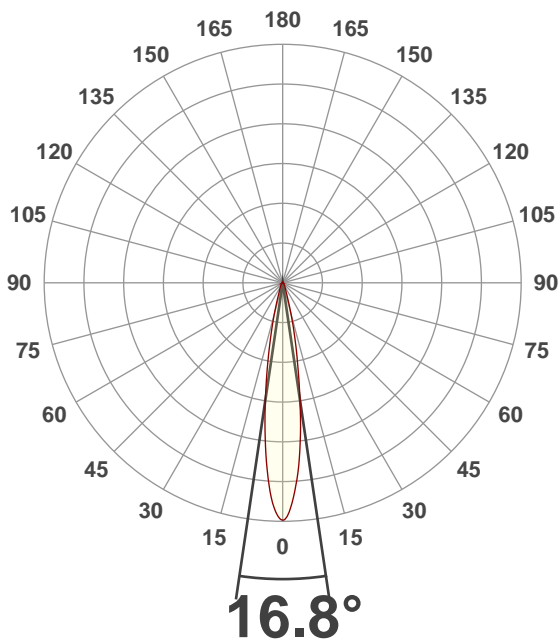
B @ 35

W @ 153

A @ 183

L @ 255

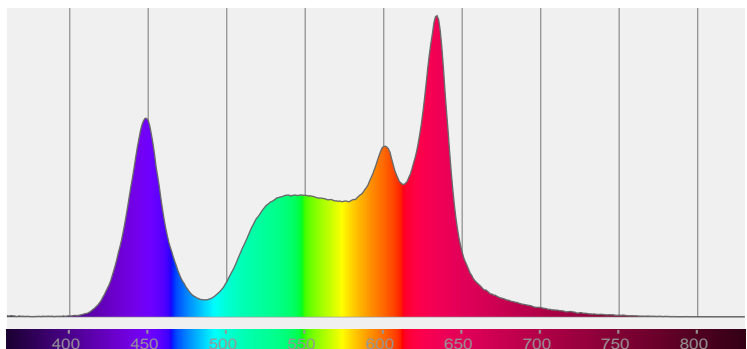
Beam Angle



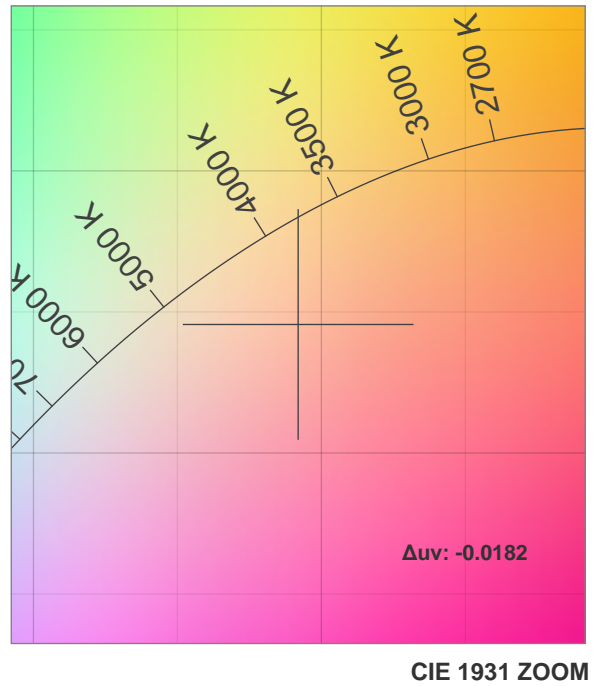
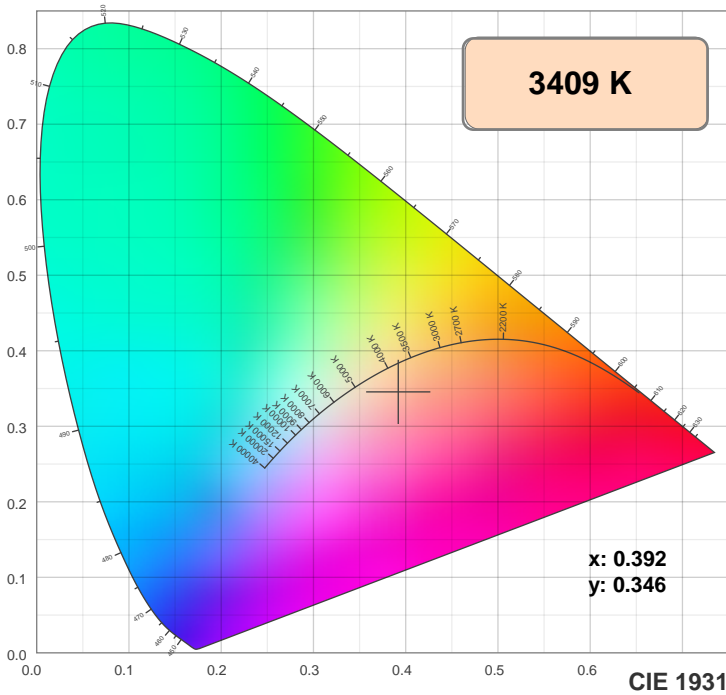
Beam Angle 50%	Field Angle 10%	Cutoff Angle 2.5%
16.8°	32.6°	51°

Spectra

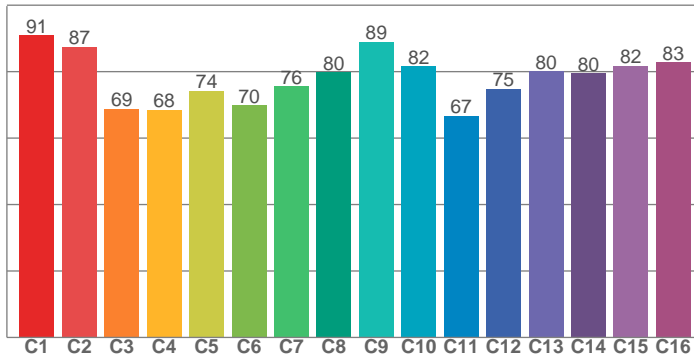
Dominant Wavelength: 596nm



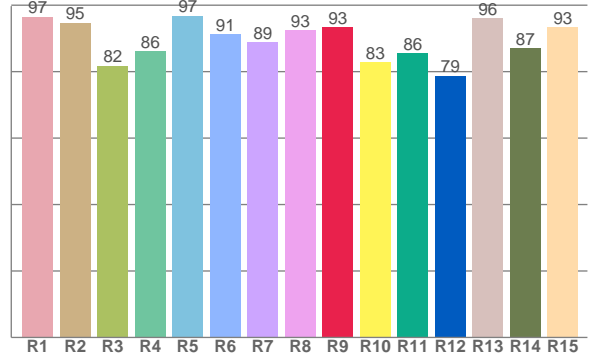
Color Details



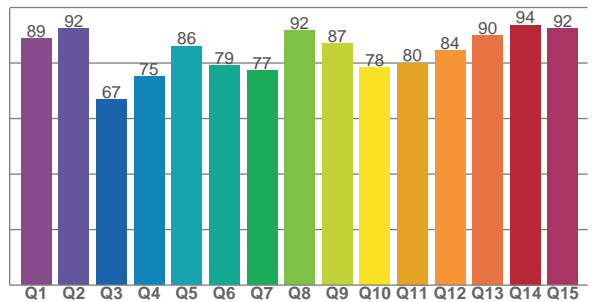
TM30: 78.4



CRI: 91.1 (R1-R8)



CQS: 82.4



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
96.5	94.7	81.7	86.1	96.8	91.2	88.9	92.5	93.4	82.8	85.6	78.8	96.1	87.1	93.3

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
96.9	87.5	68.7	68.4	74.1	69.8	75.5	79.8	88.9	81.6	66.8	74.8	80.1	79.5	81.7	82.8

CQS Q Values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
88.7	92.4	66.7	75.1	86.0	79.0	77.2	91.7	87.0	78.3	80.0	84.4	89.8	93.7	92.4

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
3409 K	91.1	93.4	78.4	111.3	82.4	0.392	0.346	0.246	0.326	-0.0182

TM30 Details

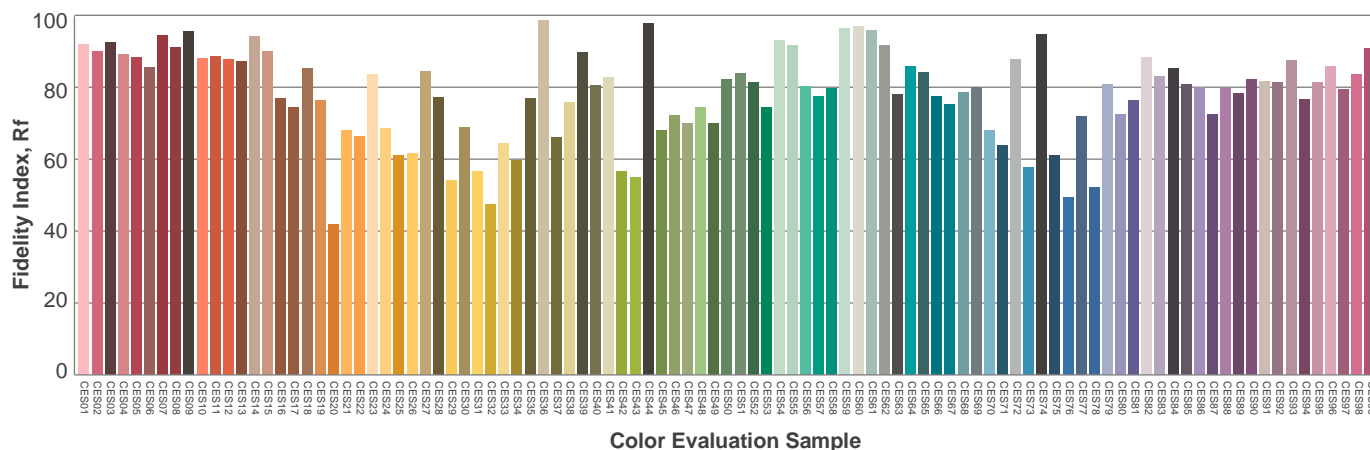
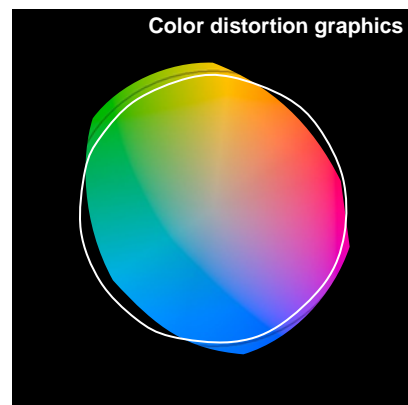
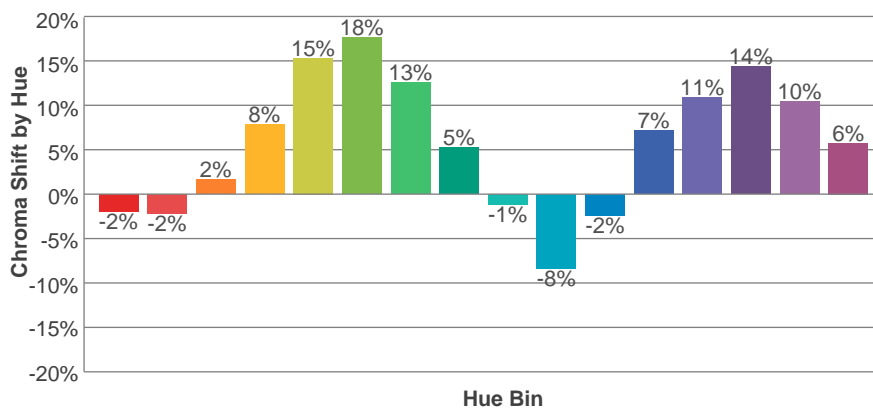
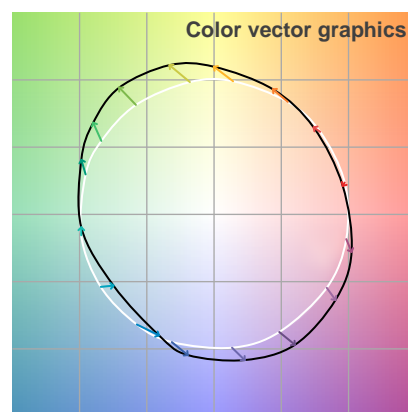
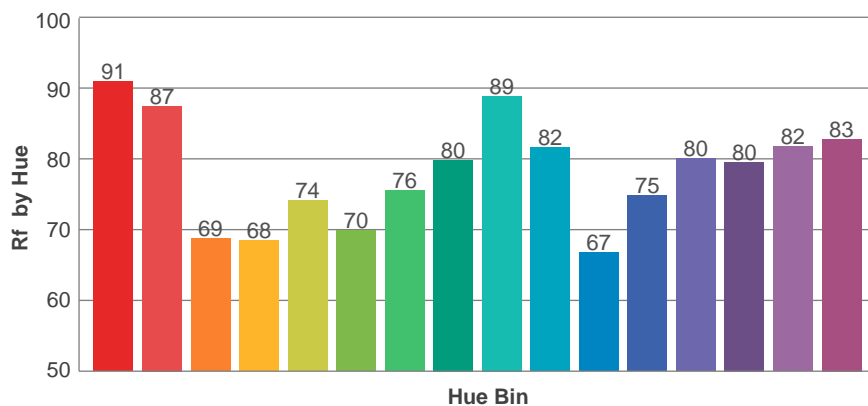
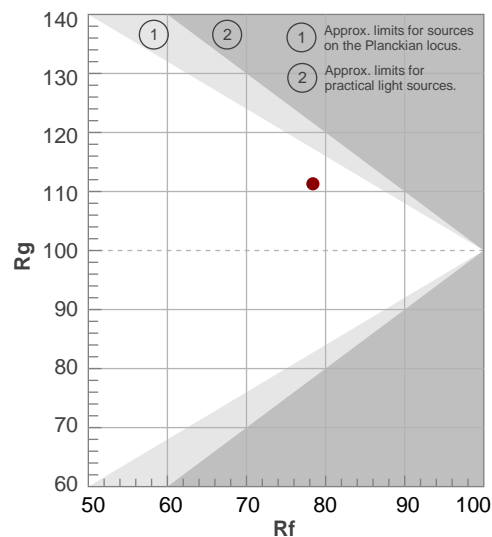
Rf 78.4

Fidelity Index Rf

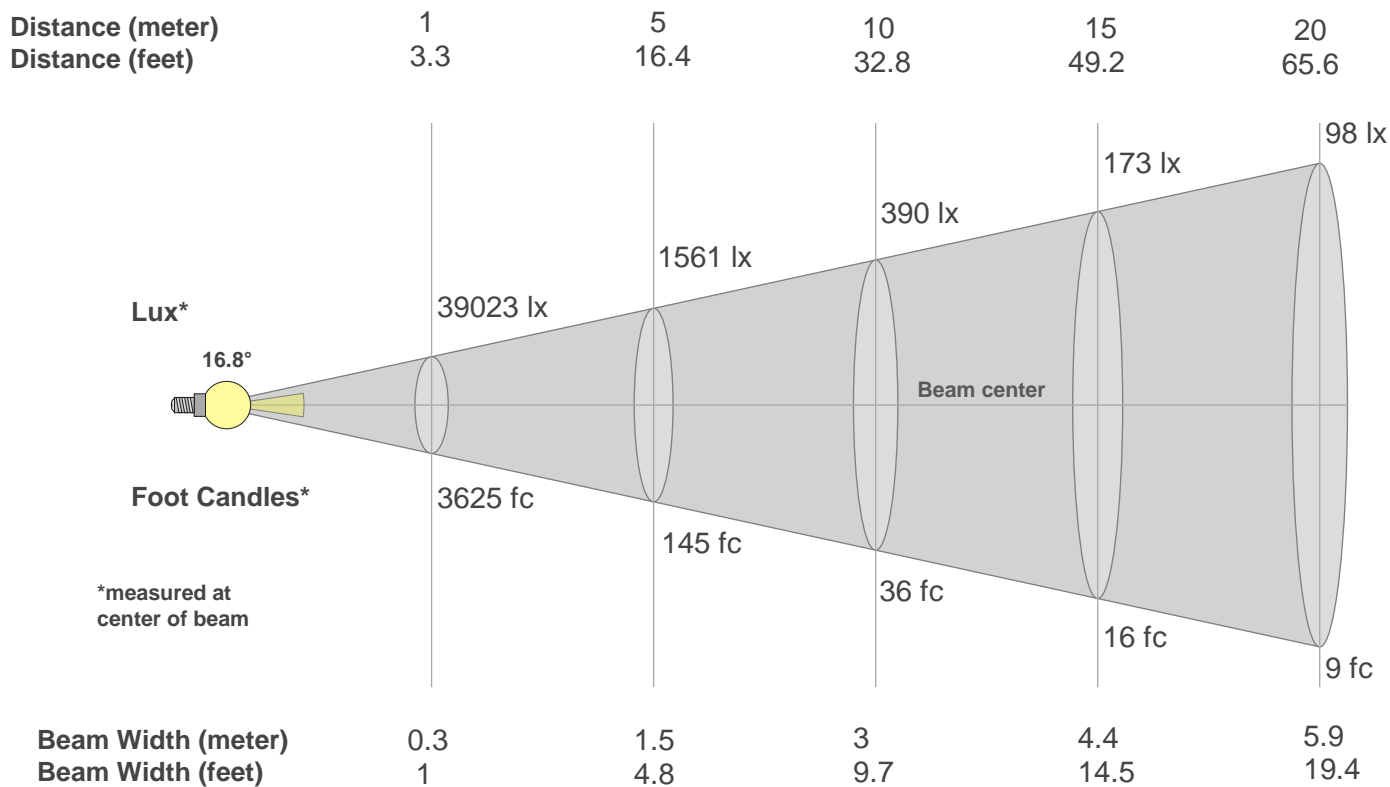
Rg 111.3

Gamut Index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	91	-2%	-2%
2	87	-2%	5%
3	69	2%	14%
4	68	8%	16%
5	74	15%	12%
6	70	18%	3%
7	76	13%	-8%
8	80	5%	-10%
9	89	-1%	-6%
10	82	-8%	4%
11	67	-2%	18%
12	75	7%	13%
13	80	11%	7%
14	80	14%	4%
15	82	10%	-4%
16	83	6%	-8%



Beam Details



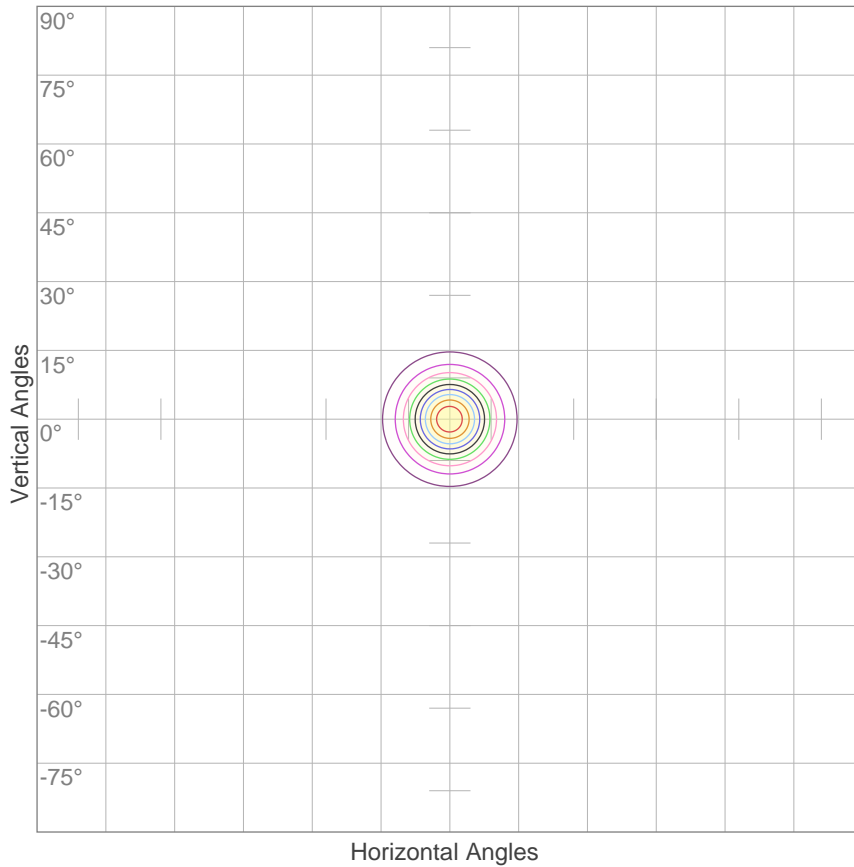
Beam Intensities from 1-20m

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	39023	9756	4336	2439	1561	1084	796	610	482	390	323	271	231	199	173	152	135	120	108	98
fc	3625.3	906.3	402.8	226.6	145	100.7	74	56.6	44.8	36.3	30	25.2	21.5	18.5	16.1	14.2	12.5	11.2	10	9.1

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
16.8°	32.6°	51°	99.7%	95.7%

ISO Diagrams

ISO Candela Diagram



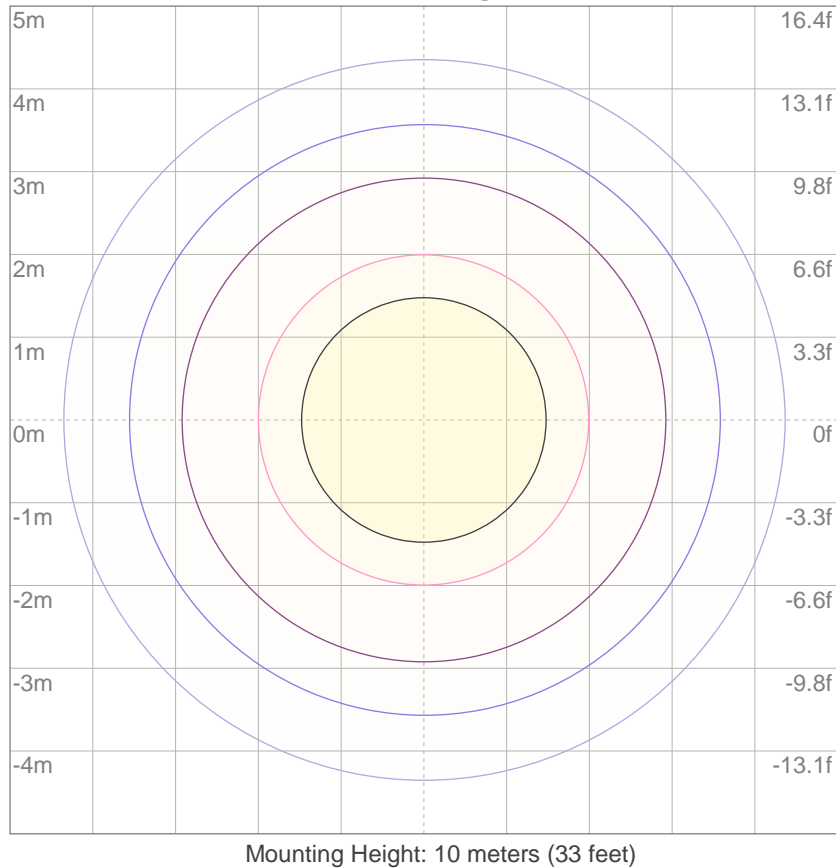
10%	3902 cd
20%	7805 cd
30%	11707 cd
40%	15609 cd
50%	19511 cd
60%	23414 cd
70%	27316 cd
80%	31218 cd
90%	35120 cd

Conditions:

Number of c-planes: 2

Candela at center: 39023 cd

ISO Lux Diagram



3%	11.7 lx
5%	19.5 lx
10%	39.0 lx
30%	117 lx
50%	195 lx

Conditions:

Number of c-planes: 2

Lux at center: 390 lx

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