

# Focus Profile



Light Efficiency:

35 Lumen/Watt

Light Quality:

CRI: 69.2

Color Temperature:

6540 K

Output: 20647 lm

Peak: 297963 cd

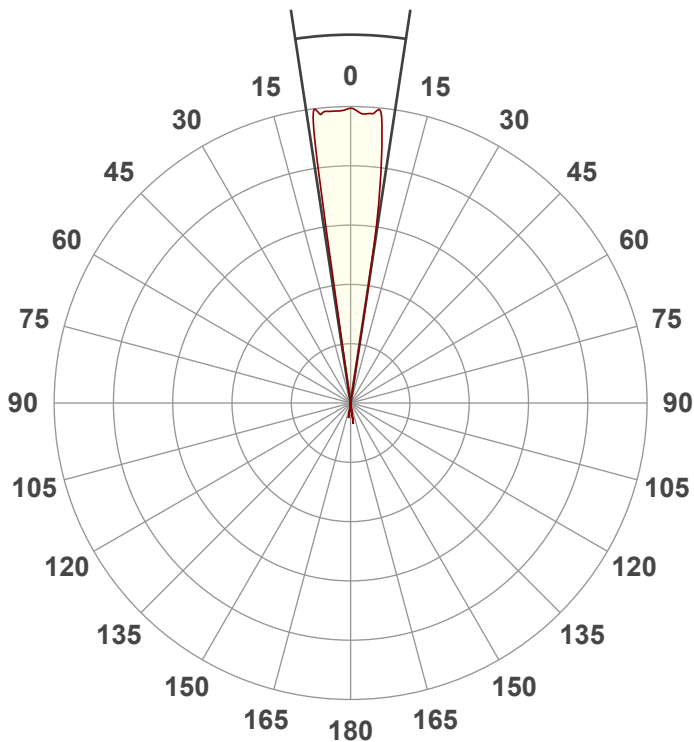
Power: 582 W

PF: 1.0



Beam Angle

17.3°



Test:

Zoom 50%

Date:

9/8/2021

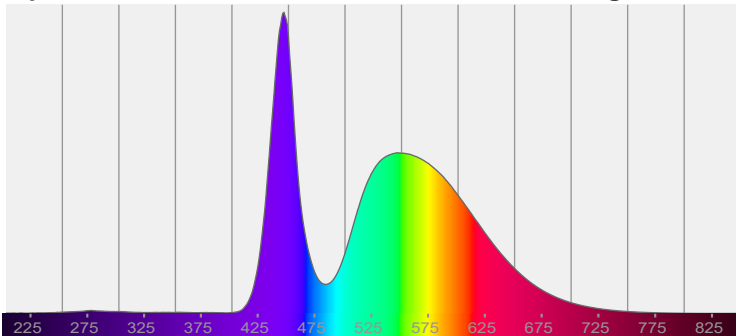
Note:

PT# 0077

CIE 1931  
x: 0.312  
y: 0.330

Spectra

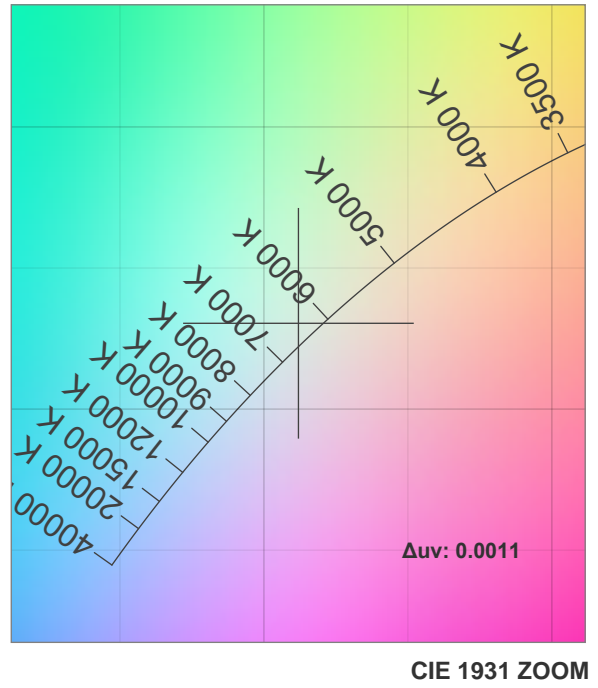
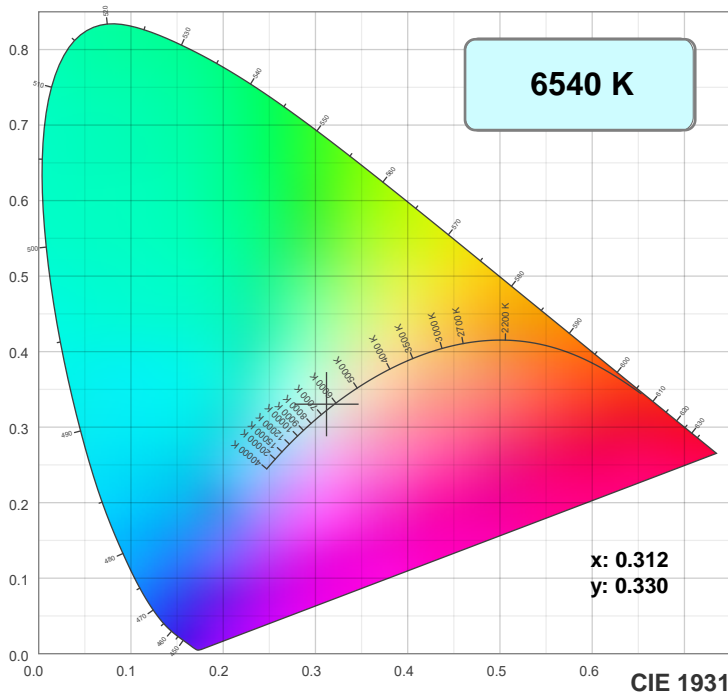
Dominant Wavelength: 517nm



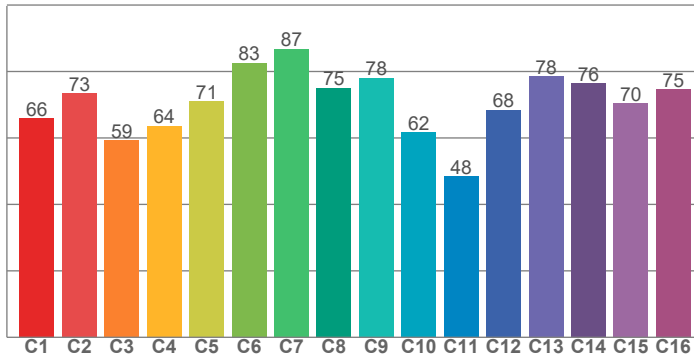
Power

Voltage: 114 V  
Current: 5.11 A  
Frequency: 0 Hz

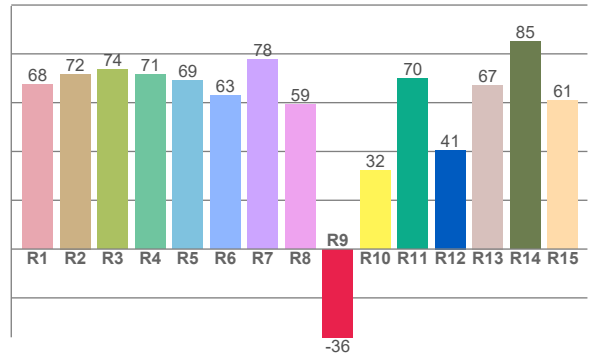
## Color Details



TM30: 70.3



CRI: 69.2 (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
67.5	71.8	73.6	71.4	69.2	63.0	77.7	59.3	-36.2	32.2	69.8	40.6	67.3	85.1	61.0

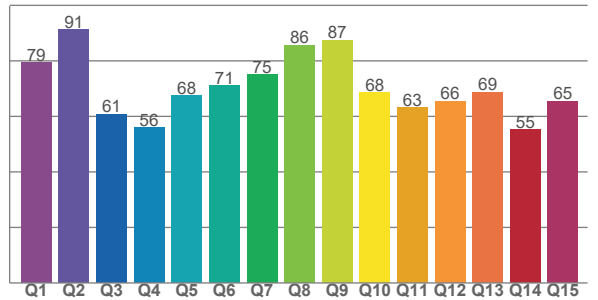
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.9	73.4	59.3	63.7	71.0	82.5	86.8	75.0	78.0	61.7	48.4	68.4	78.4	76.4	70.4	74.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.4	91.2	60.8	55.9	67.5	71.0	75.1	85.6	87.4	68.5	63.2	65.5	68.8	55.3	65.4

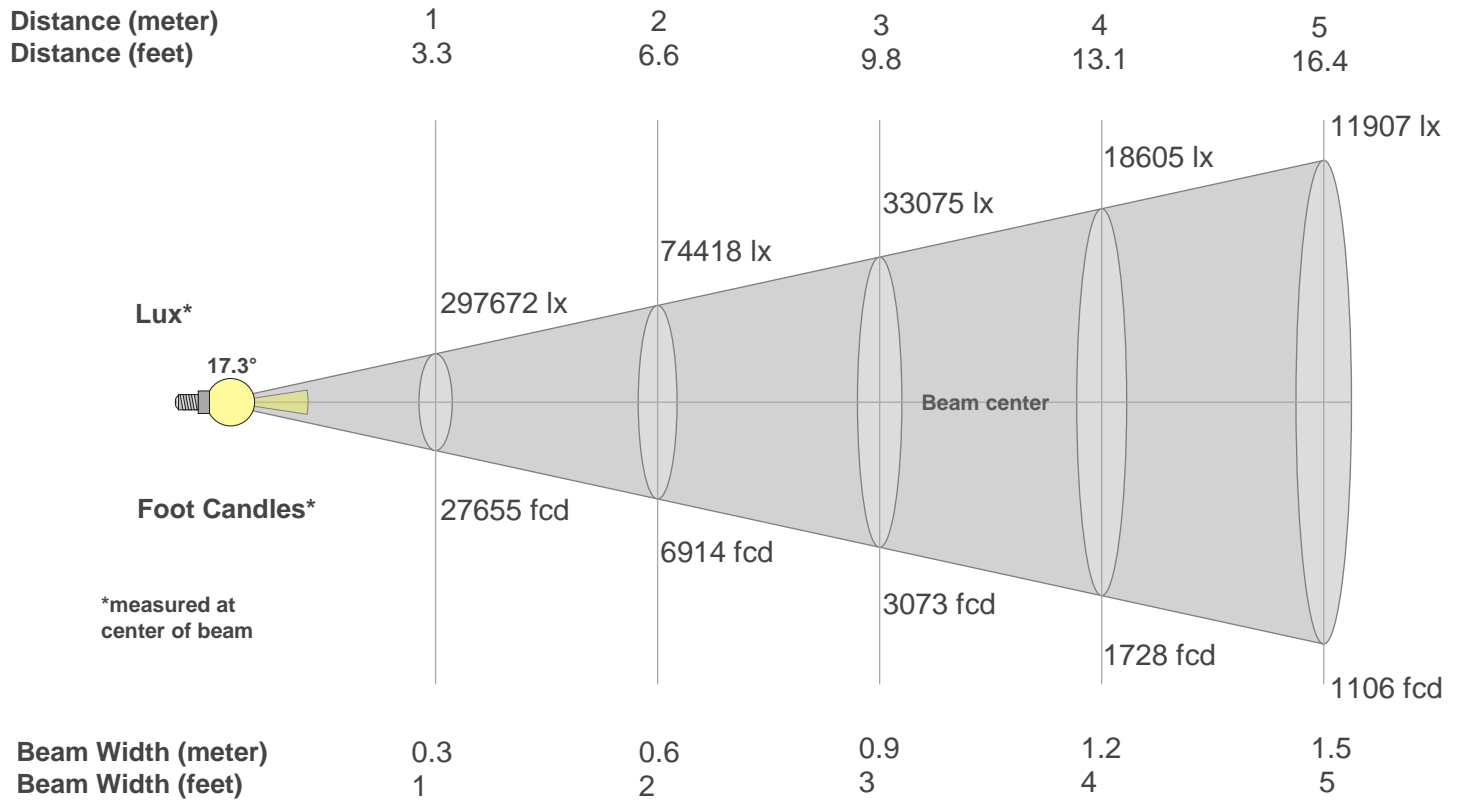
CQS: 68.8



## 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	$\Delta uv$
6540 K	69.2	-36.2	70.3	93.6	68.8	0.312	0.330	0.197	0.313	0.0011

## 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	29767 2	74418	33075	18605	11907	8269	6075	4651	3675	2977	2460	2067	1761	1519	1323	1163	1030	919	825	744
fcd	27654. 7	6913.7	3072.7	1728.4	1106.2	768.2	564.4	432.1	341.4	276.5	228.6	192	163.6	141.1	122.9	108	95.7	85.4	76.6	69.1

**Intensities in 0° C-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
298K	297K	296K	296K	295K	294K	291K	279K	235K	101K	1K	1K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	99%	99%	99%	98%	94%	79%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

**Intensities in 90° C-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
298K	297K	296K	296K	295K	294K	291K	279K	235K	101K	1K	1K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	99%	99%	99%	98%	94%	79%	34%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

**Intensities in 180° C-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
298K	296K	293K	293K	293K	292K	290K	250K	198K	116K	23K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	99%	99%	98%	99%	98%	97%	84%	67%	39%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%

**Intensities in 270° C-plane**

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
298K	296K	293K	293K	293K	292K	290K	250K	198K	116K	23K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	99%	99%	98%	99%	98%	97%	84%	67%	39%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
17.3°	19.5°	19.9°	100.0%	100.0%