

15 Hex Bar IP



Light Efficiency:

27 Lumen/Watt

Output: 2784 lm

Light Quality:

CRI: 57.9

Peak: 6273 cd

Color Temperature:

10187 K

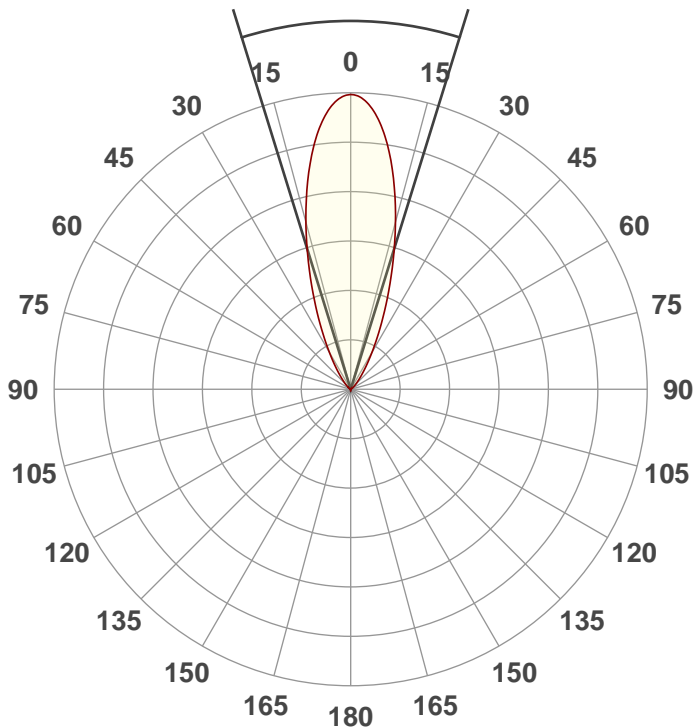
Power: 104.5 W

PF: 1.0



Beam Angle

34.4°



Test:

w/ Diffuser Full On No UV

Date:

8/21/2019

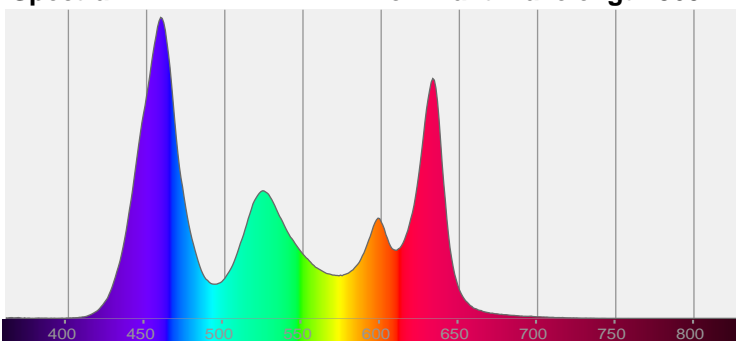
Note:



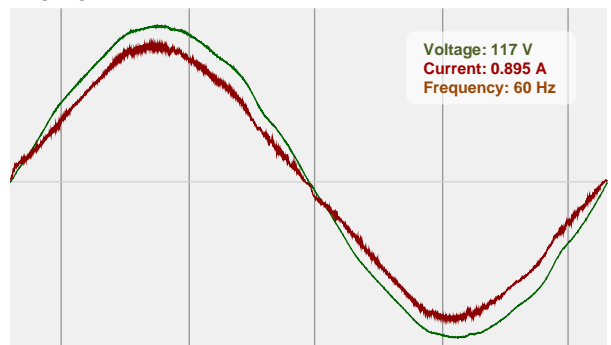
CIE 1931
x: 0.296
y: 0.255

Spectra

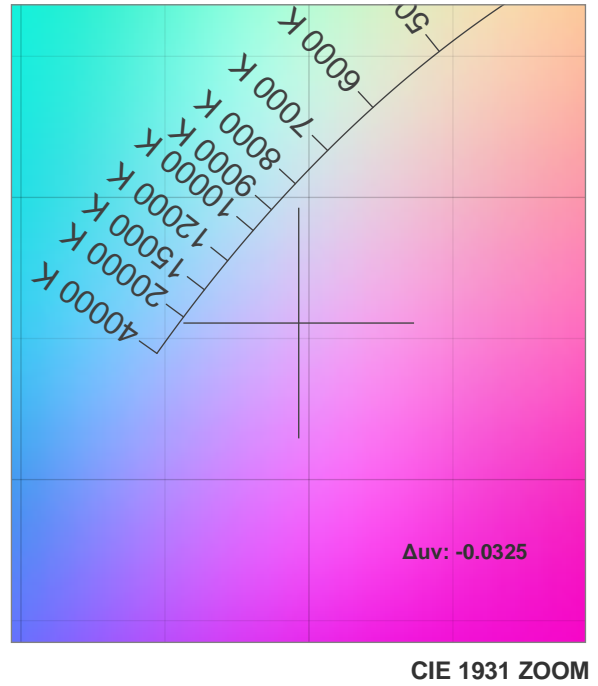
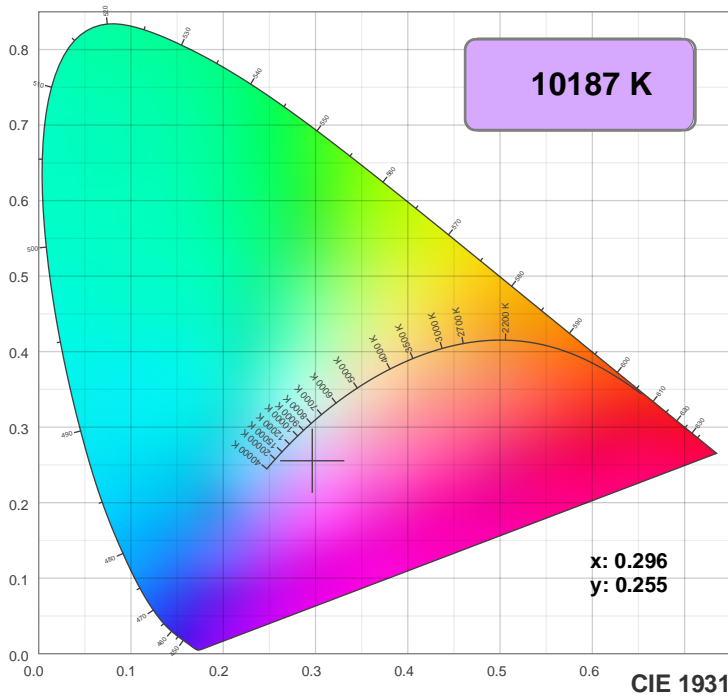
Dominant Wavelength: 360nm



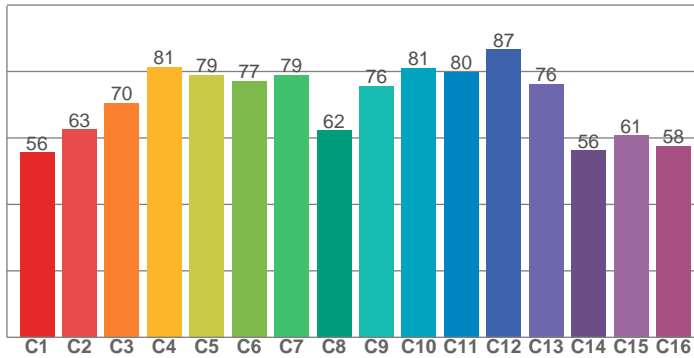
Power



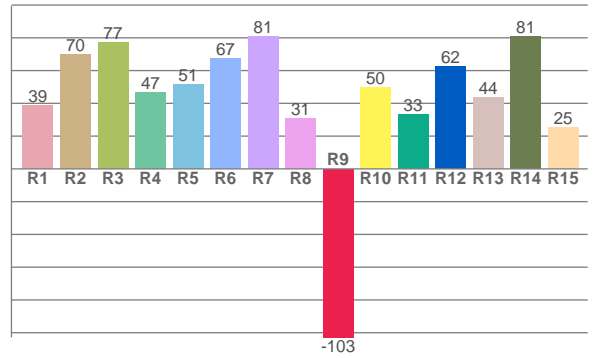
Color Details



TM30: 72.2



CRI: 57.9 (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
38.6	69.9	77.3	46.7	51.5	67.4	81.1	30.6	-102.8	49.8	33.3	62.3	43.8	80.6	25.4

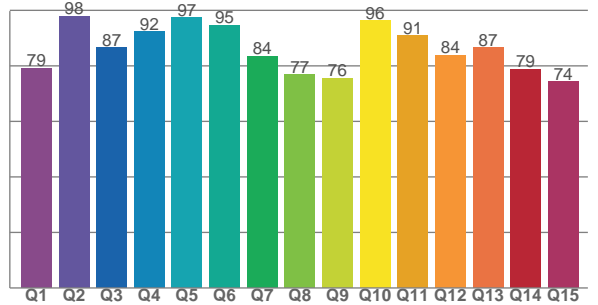
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
55.6	62.6	70.5	81.4	78.9	77.2	79.0	62.3	75.6	81.1	79.9	86.6	76.3	56.2	60.7	57.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.2	97.8	86.6	92.3	97.3	94.7	83.5	76.9	75.5	96.3	91.0	83.9	86.6	78.8	74.2

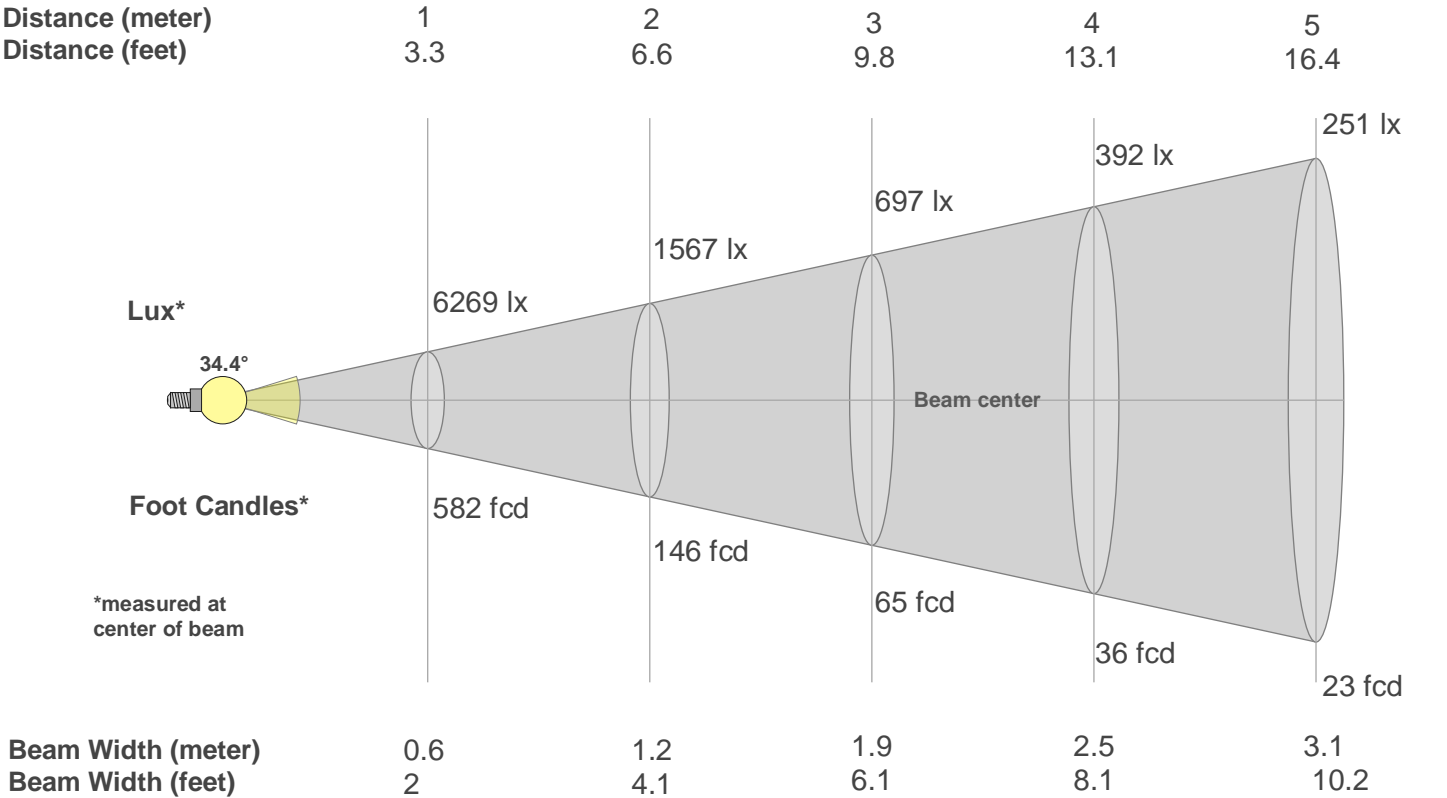
CQS: 84.2



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
10187 K	57.9	-102.8	72.2	115.4	84.2	0.296	0.255	0.217	0.280	-0.0325

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	6269	1567	697	392	251	174	128	98	77	63	52	44	37	32	28	24	22	19	17	16
fcd	582.4	145.6	64.7	36.4	23.3	16.2	11.9	9.1	7.2	5.8	4.8	4	3.4	3	2.6	2.3	2	1.8	1.6	1.5

Intensities in 0° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6269	6203	6028	5741	5367	4924	4442	3935	3434	2945	2494	2076	1720	1400	1134	907	726	571	454	358
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	27%	22%	18%	14%	12%	9%	7%	6%

Intensities in 90° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6269	6203	6028	5741	5367	4924	4442	3935	3434	2945	2494	2076	1720	1400	1134	907	726	571	454	358
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	27%	22%	18%	14%	12%	9%	7%	6%

Intensities in 180° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6269	6211	6027	5747	5374	4932	4444	3941	3432	2946	2488	2078	1708	1398	1130	905	721	572	449	355
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	27%	22%	18%	14%	11%	9%	7%	6%

Intensities in 270° C-plane																			
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
6269	6211	6027	5747	5374	4932	4444	3941	3432	2946	2488	2078	1708	1398	1130	905	721	572	449	355
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	27%	22%	18%	14%	11%	9%	7%	6%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
34.4°	66.4°	89.8°	99.1%	95.7%