

15 Hex Bar IP



Light Efficiency:

23 Lumen/Watt

Output: 2969 lm

Light Quality:

CRI: 55.8

Peak: 6642 cd

Color Temperature:

10186 K

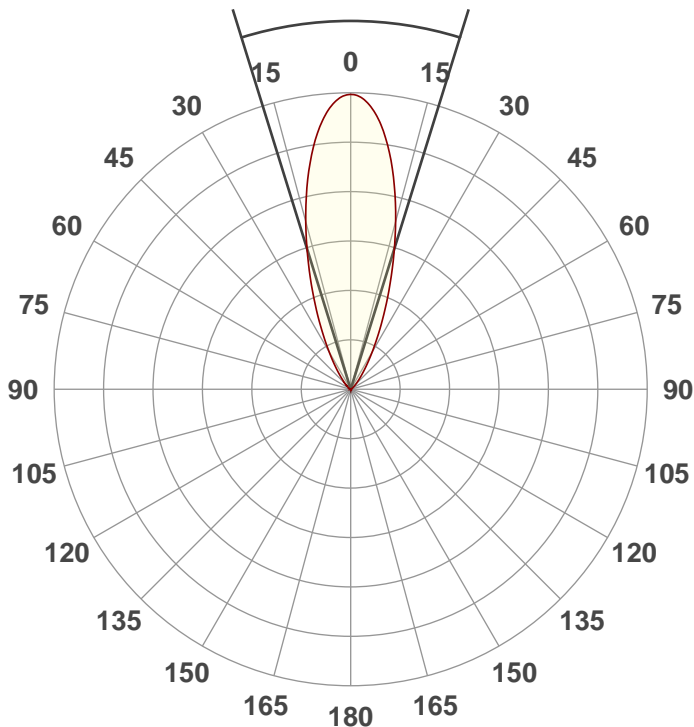
Power: 131.6 W

PF: 1.0



Beam Angle

34.5°



Test:
w/ Diffuser Full On

Date:
8/21/2019

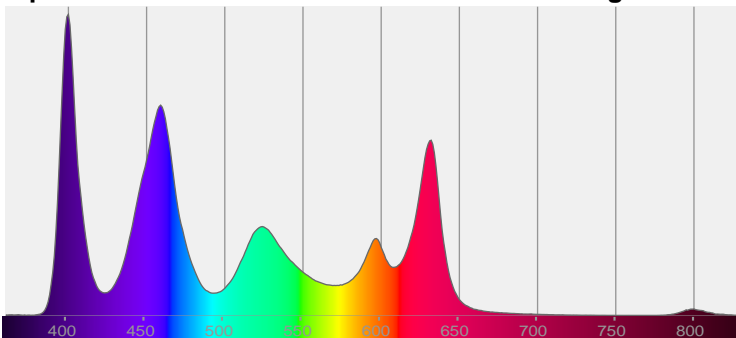
Note:



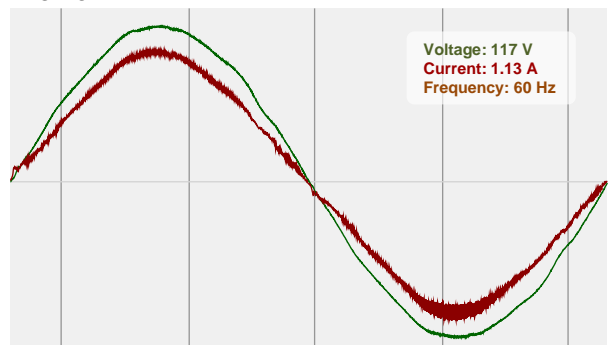
CIE 1931
x: 0.299
y: 0.250

Spectra

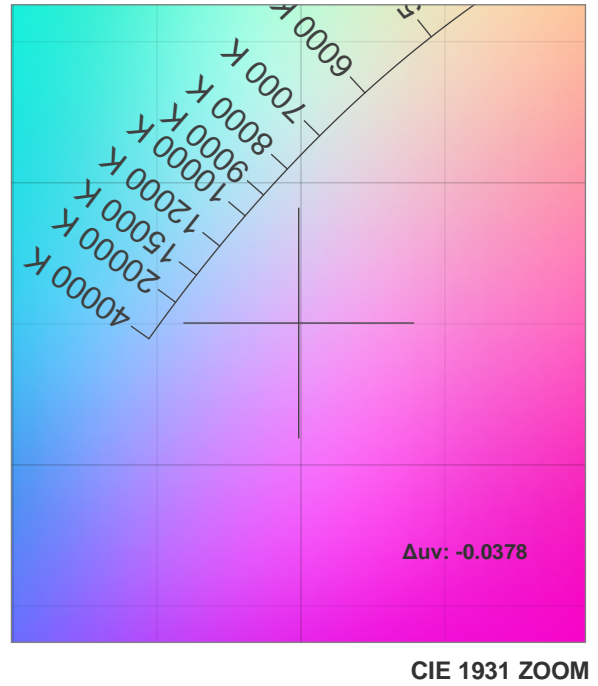
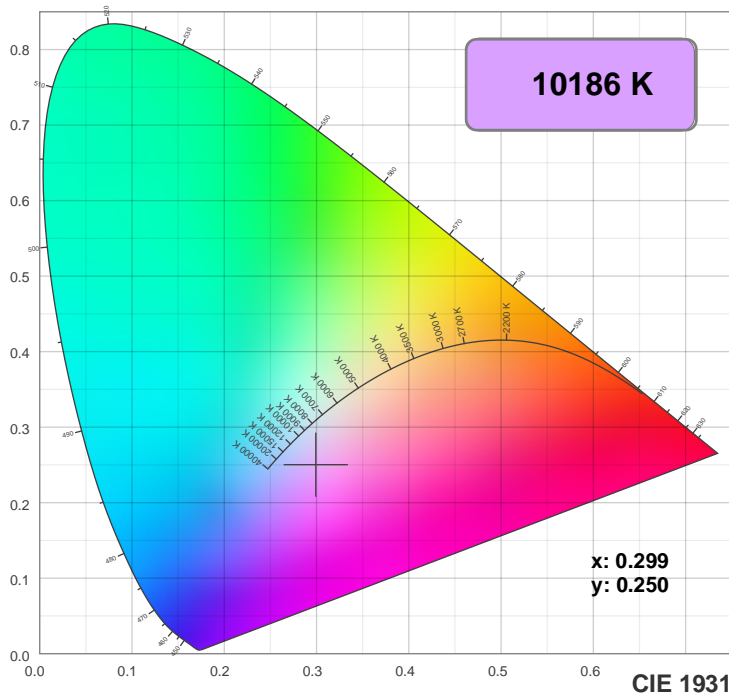
Dominant Wavelength: 360nm



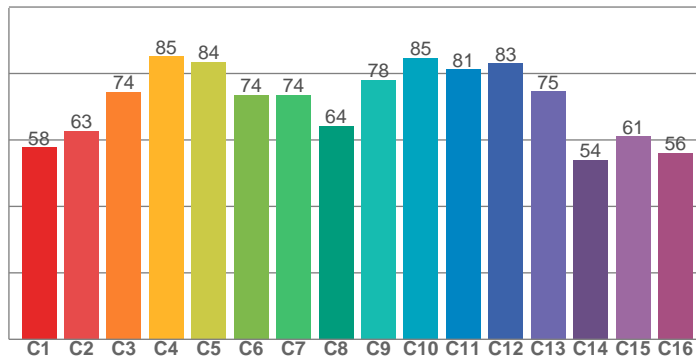
Power



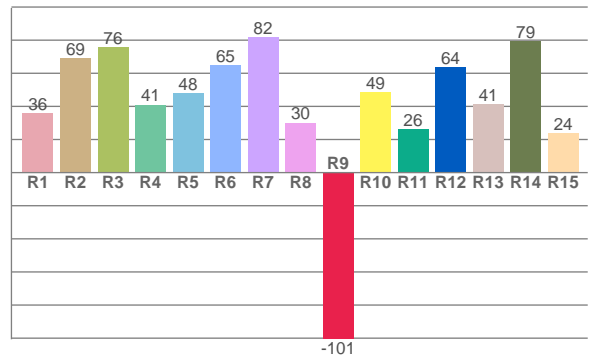
Color Details



TM30: 73.1



CRI: 55.8 (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
35.9	68.9	75.6	41.0	48.1	64.8	81.7	30.1	-100.7	48.6	26.2	63.7	41.3	79.2	23.7

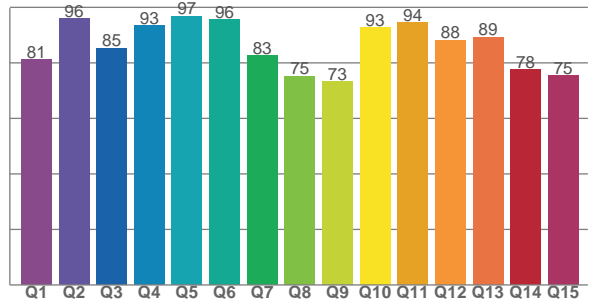
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
57.7	62.8	74.5	85.1	83.5	73.6	73.6	64.2	78.1	84.7	81.2	83.0	74.7	54.0	61.1	56.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
81.1	95.9	85.4	93.4	96.9	95.6	82.5	75.2	73.2	92.6	94.4	88.2	89.2	77.6	75.4

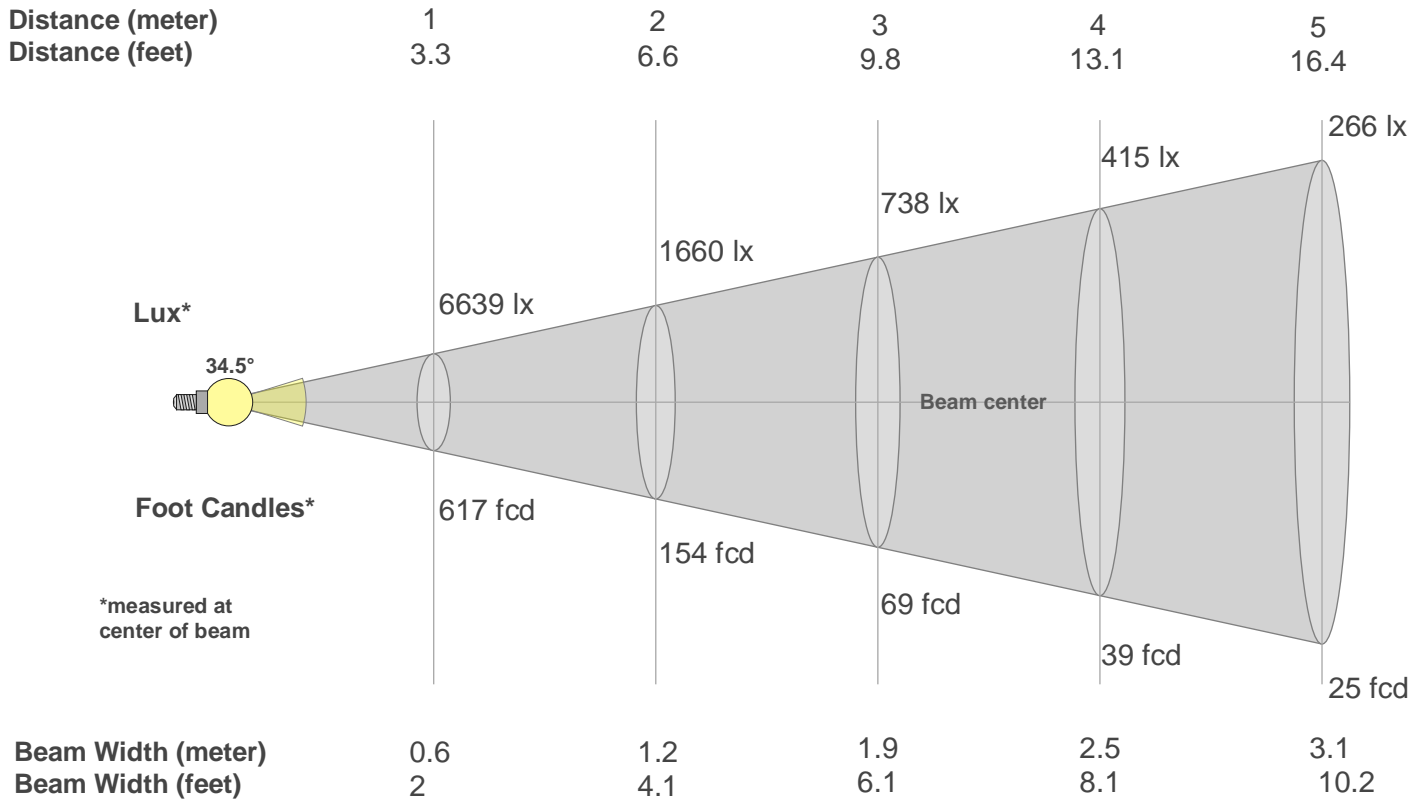
CQS: 84.2



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
10186 K	55.8	-100.7	73.1	118.1	84.2	0.299	0.250	0.221	0.278	-0.0378

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	6639	1660	738	415	266	184	135	104	82	66	55	46	39	34	30	26	23	20	18	17
fcd	616.8	154.2	68.5	38.5	24.7	17.1	12.6	9.6	7.6	6.2	5.1	4.3	3.6	3.1	2.7	2.4	2.1	1.9	1.7	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°
6639	6579	6385	6087	5689	5222	4715	4179	3648	3132	2654	2216	1833	1492	1210	968	777	613	488	383
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	28%	22%	18%	15%	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°
6639	6579	6385	6087	5689	5222	4715	4179	3648	3132	2654	2216	1833	1492	1210	968	777	613	488	383
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	28%	22%	18%	15%	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°
6639	6579	6390	6091	5695	5230	4716	4184	3645	3131	2647	2213	1824	1490	1205	969	772	612	483	382
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	27%	22%	18%	15%	12%	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°
6639	6579	6390	6091	5695	5230	4716	4184	3645	3131	2647	2213	1824	1490	1205	969	772	612	483	382
100%	99%	96%	92%	86%	79%	71%	63%	55%	47%	40%	33%	27%	22%	18%	15%	12%	9%	7%	6%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
34.5°	66.6°	90.2°	99.1%	95.5%