

UBL6H



Light Efficiency:

29 Lumen/Watt

Light Quality:

CRI: 63.3

Color Temperature:

8250 K

Output: 737 lm

Peak: 3950 cd

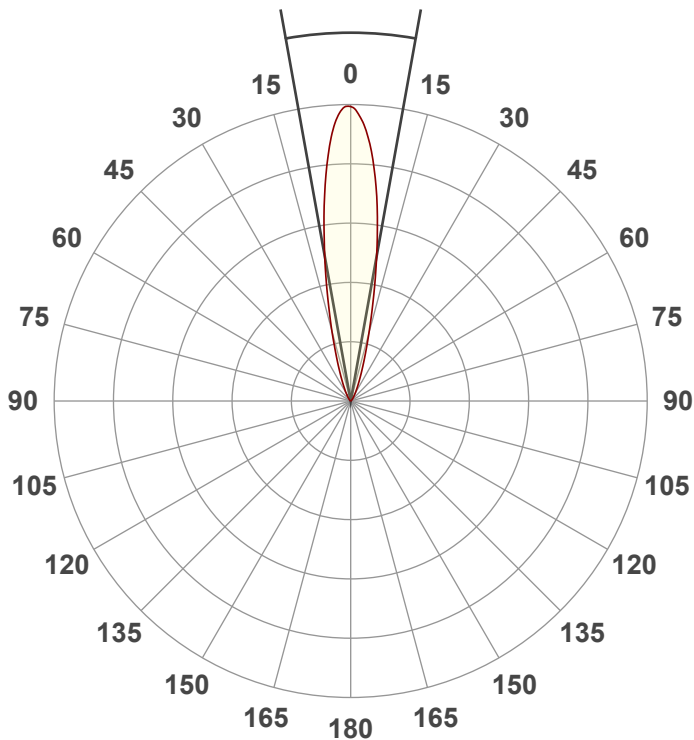
Power: 25.8 W

PF: 0.56



Beam Angle

20.3°



Test:

Full On Frost Filter

Date:

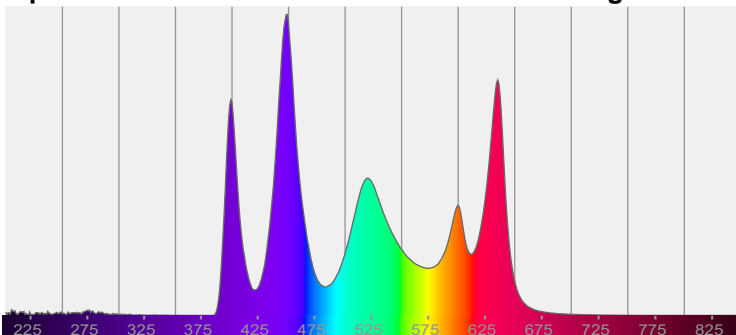
2/2/2024

Note:

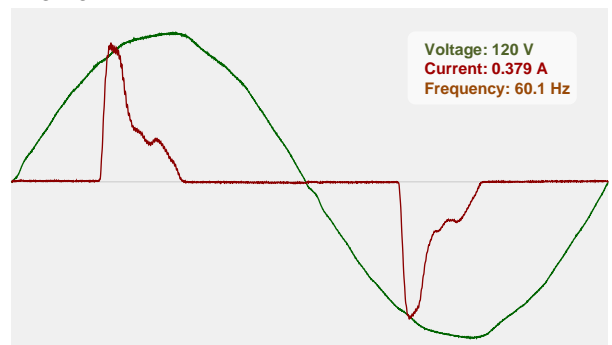
CIE 1931
x: 0.303
y: 0.272

Spectra

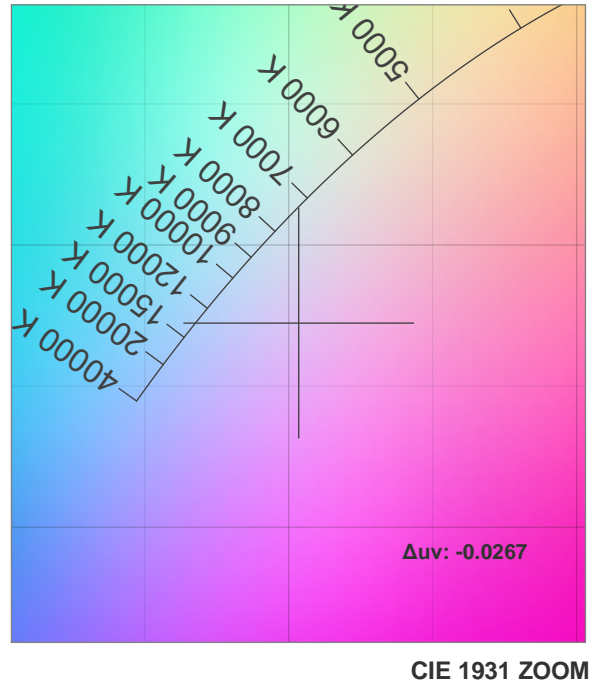
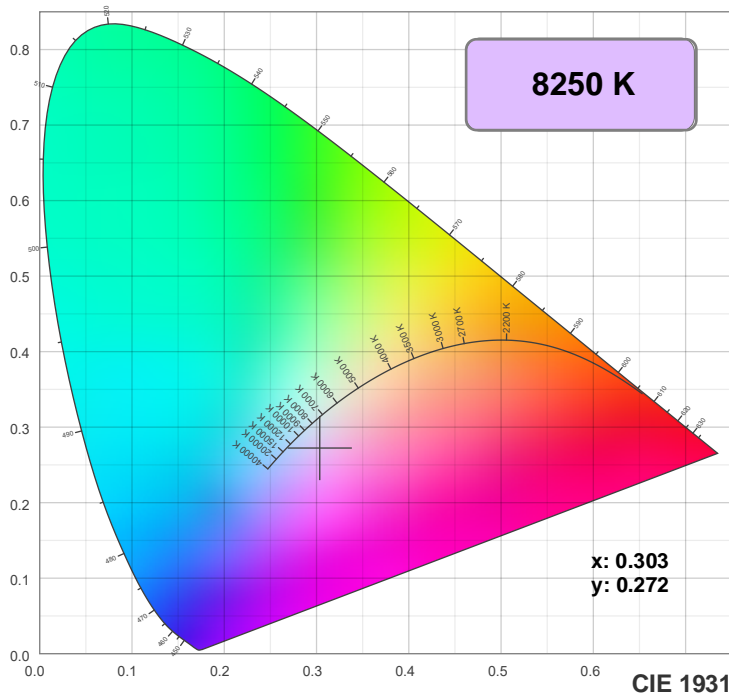
Dominant Wavelength: 360nm



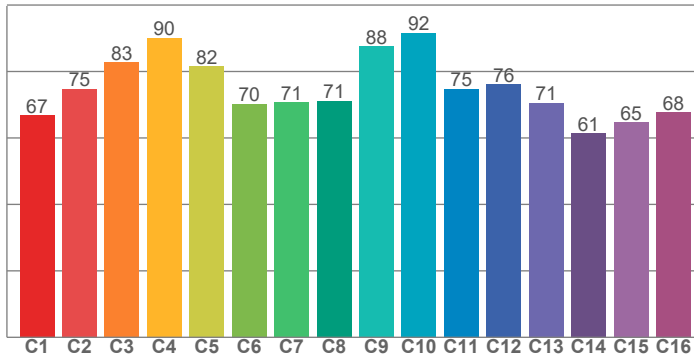
Power



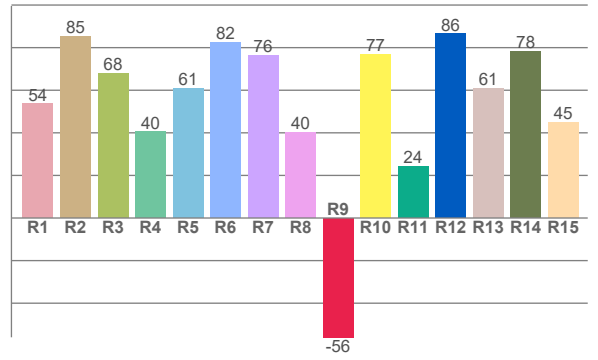
Color Details



TM30: 76.7



CRI: 63.3 (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
53.5	85.2	67.8	40.4	60.8	82.2	76.3	40.3	-56.0	76.7	24.4	86.4	60.7	78.3	44.8

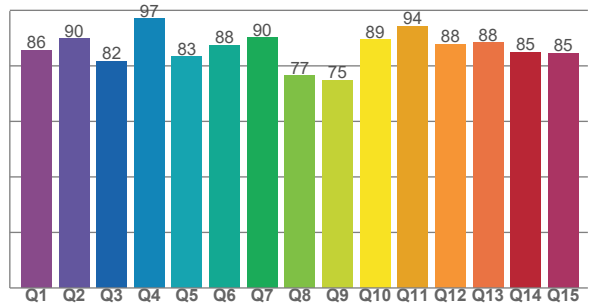
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
66.8	74.7	82.8	90.1	81.6	70.2	70.7	71.1	87.5	91.6	74.7	76.1	70.5	61.4	64.7	67.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
85.6	89.8	81.7	97.1	83.4	87.5	90.2	76.6	74.9	89.4	94.3	87.8	88.4	85.0	84.5

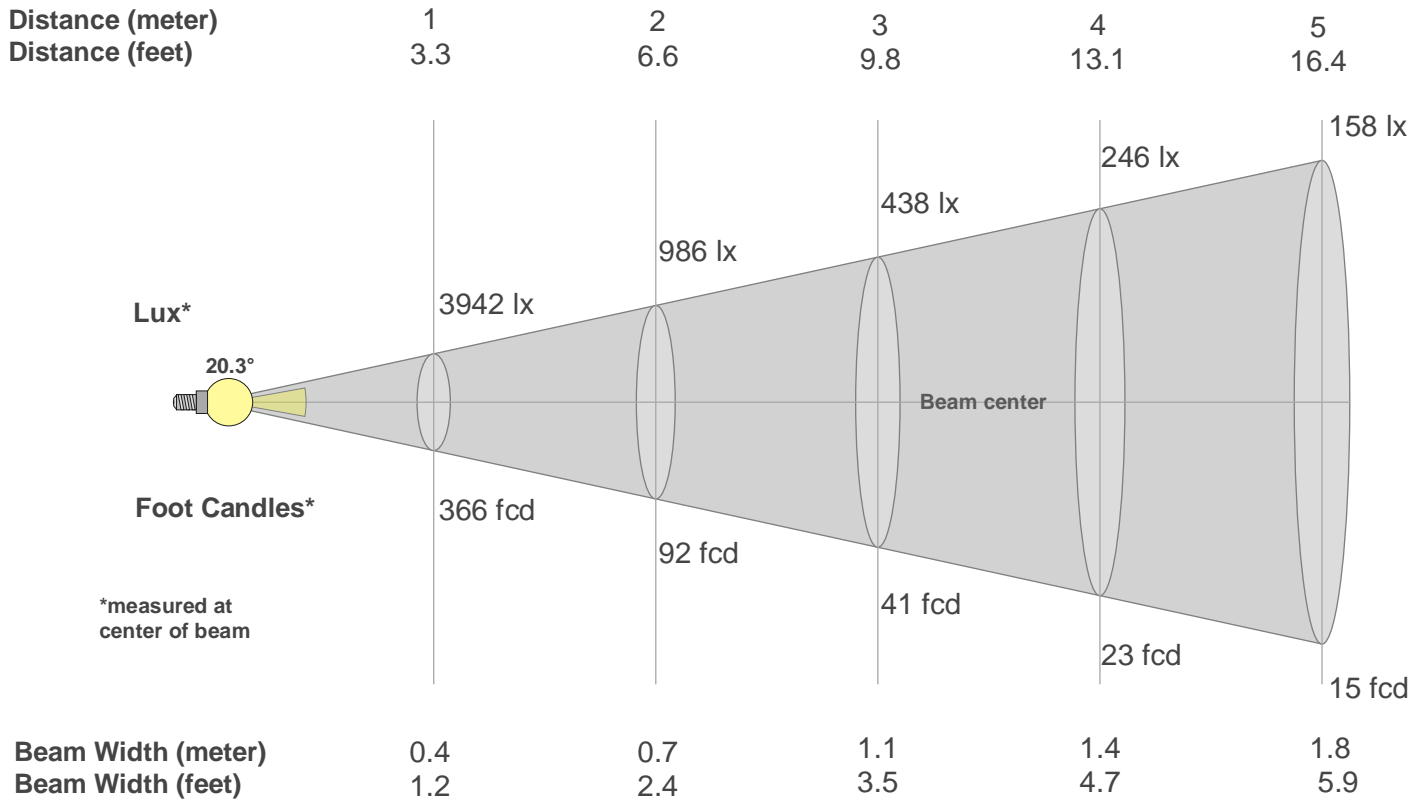
CQS: 85.3



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
8250 K	63.3	-56.0	76.7	121.7	85.3	0.303	0.272	0.214	0.289	-0.0267

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	3942	986	438	246	158	110	80	62	49	39	33	27	23	20	18	15	14	12	11	10
fcd	366.3	91.6	40.7	22.9	14.7	10.2	7.5	5.7	4.5	3.7	3	2.5	2.2	1.9	1.6	1.4	1.3	1.1	1	0.9

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°
3942	3881	3588	3112	2565	2015	1534	1137	831	608	450	339	258	195	155	116	93	78	62	52
100%	98%	91%	79%	65%	51%	39%	29%	21%	15%	11%	9%	7%	5%	4%	3%	2%	2%	2%	1%

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°
3942	3881	3588	3112	2565	2015	1534	1137	831	608	450	339	258	195	155	116	93	78	62	52
100%	98%	91%	79%	65%	51%	39%	29%	21%	15%	11%	9%	7%	5%	4%	3%	2%	2%	2%	1%

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°
3942	3797	3499	3071	2562	2016	1520	1113	811	595	443	333	253	196	153	121	95	78	65	53
100%	96%	89%	78%	65%	51%	39%	28%	21%	15%	11%	8%	6%	5%	4%	3%	2%	2%	2%	1%

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°
3942	3797	3499	3071	2562	2016	1520	1113	811	595	443	333	253	196	153	121	95	78	65	53
100%	96%	89%	78%	65%	51%	39%	28%	21%	15%	11%	8%	6%	5%	4%	3%	2%	2%	2%	1%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
20.3°	41.7°	63°	99.4%	96.9%