

UBL9H



Light Efficiency:



Light Quality:



Color Temperature:



Output: 1931 lm

Peak: 8254 cd

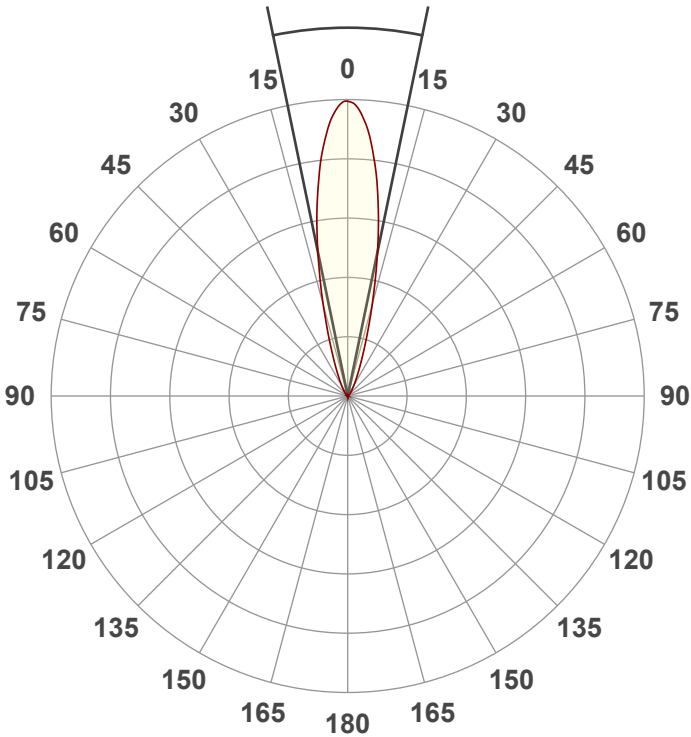
Power: 56.6 W

PF: 0.6



Beam Angle

23.4°

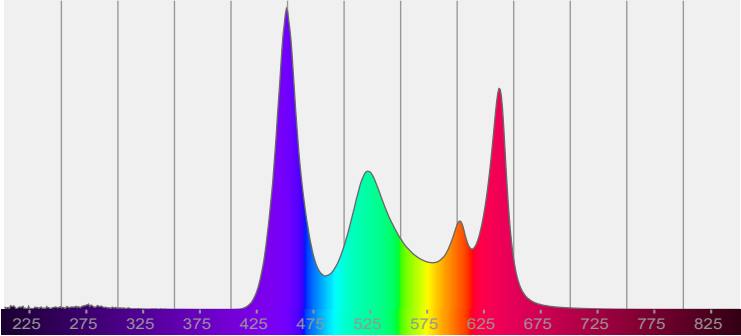


CIE 1931
x: 0.293
y: 0.273

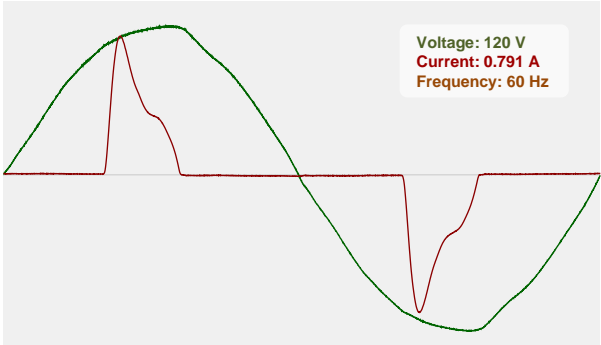
Test: Frost Filter Full On No UV
Date: 2/8/2024
Note:

Spectra

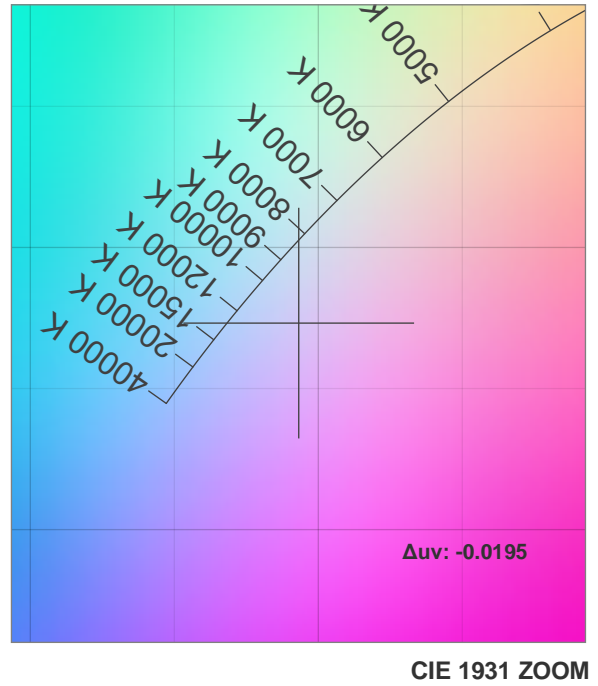
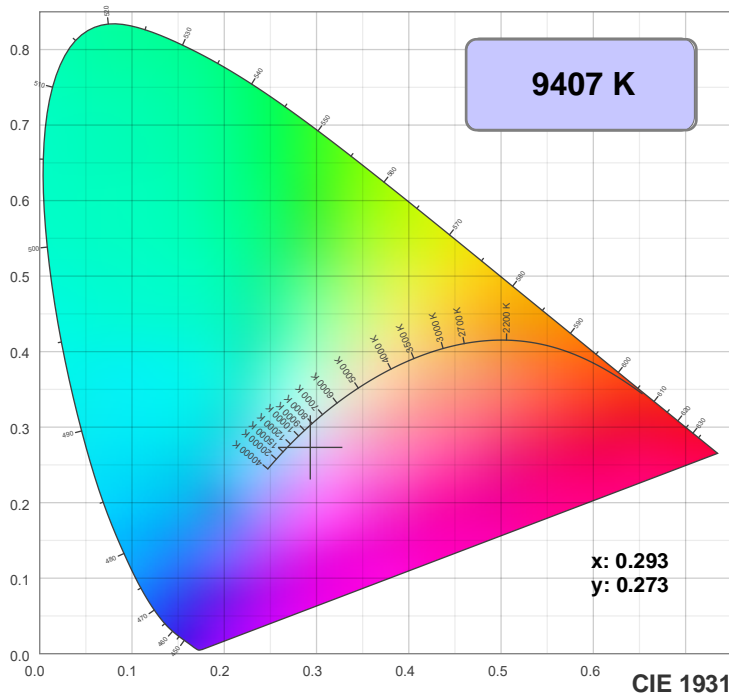
Dominant Wavelength: 360nm



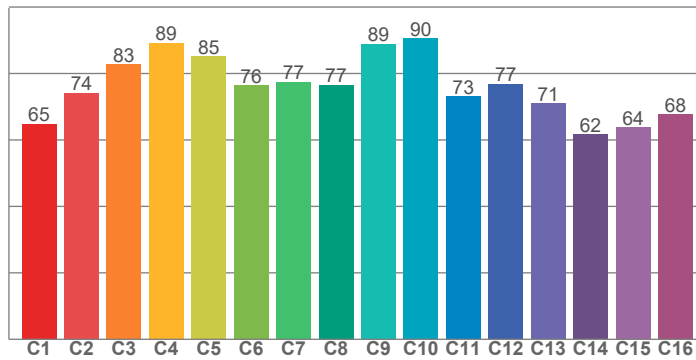
Power



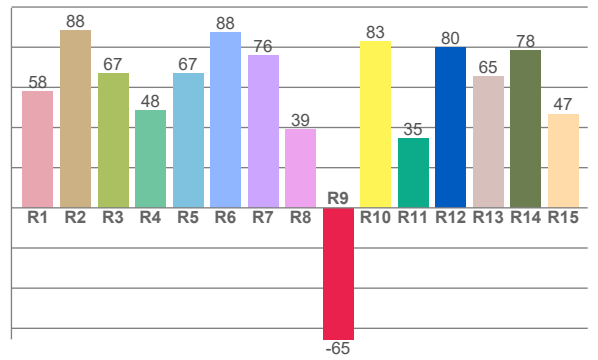
Color Details



TM30: 77.9



CRI: 66.4 (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
58.1	88.5	66.9	48.5	67.0	87.6	75.8	39.2	-65.5	83.1	34.7	79.8	65.4	78.4	46.8

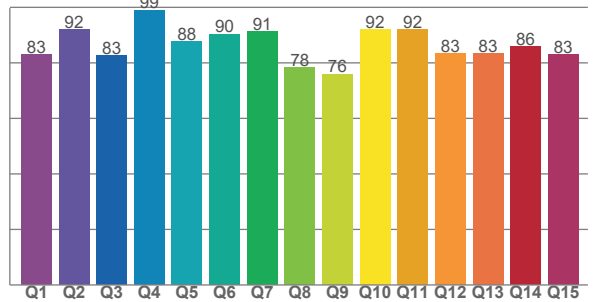
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
64.8	74.2	82.8	89.2	85.1	76.5	77.4	76.5	88.9	90.5	73.1	76.9	71.0	61.6	63.8	67.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
82.9	91.9	82.6	99.0	87.6	90.3	91.3	78.4	75.9	91.9	92.0	83.3	83.3	85.9	82.9

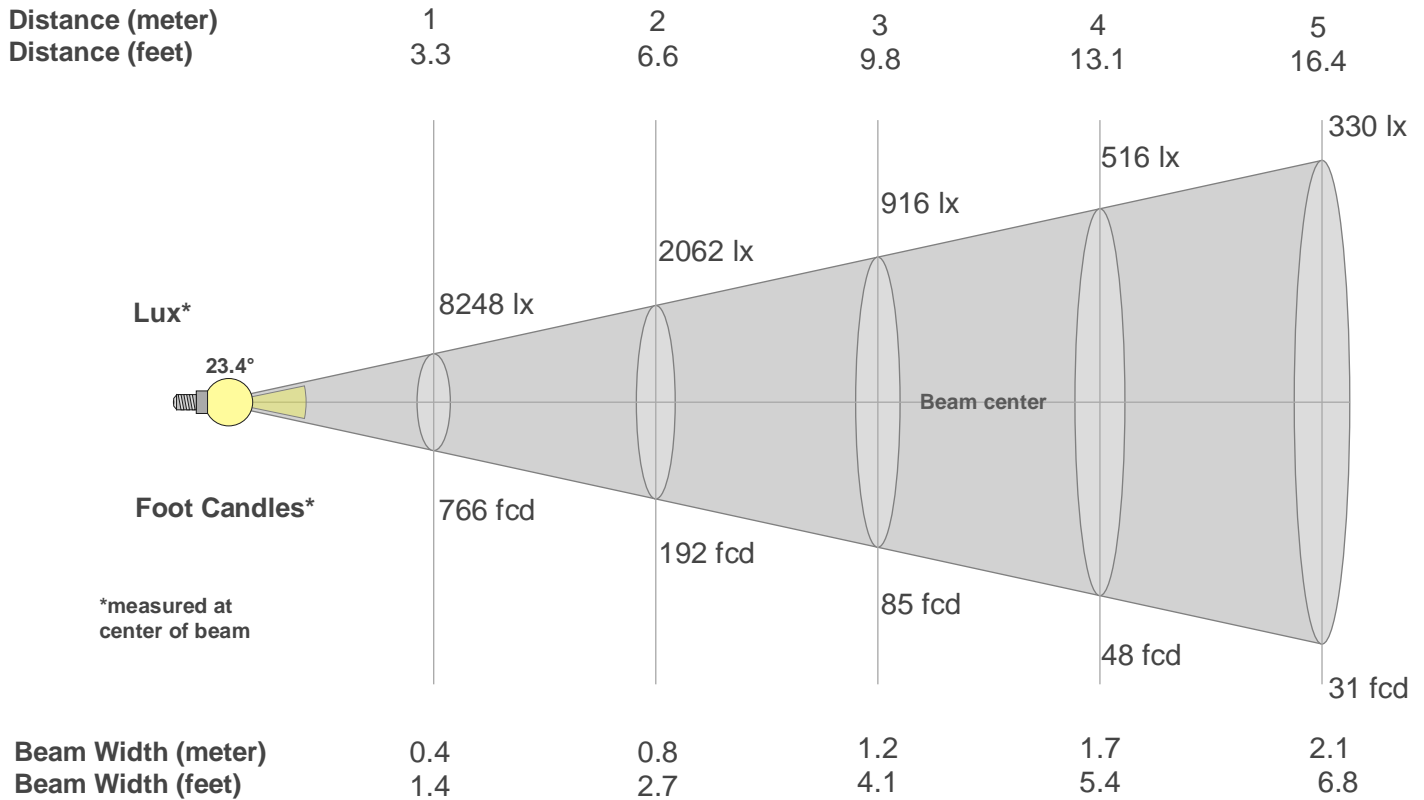
CQS: 85.4



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
9407 K	66.4	-65.5	77.9	118.9	85.4	0.293	0.273	0.206	0.288	-0.0195

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	8248	2062	916	516	330	229	168	129	102	82	68	57	49	42	37	32	29	25	23	21
fcd	766.3	191.6	85.1	47.9	30.7	21.3	15.6	12	9.5	7.7	6.3	5.3	4.5	3.9	3.4	3	2.7	2.4	2.1	1.9

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°
8248	8081	7587	6847	5932	4974	3971	3066	2269	1684	1239	936	713	552	431	340	276	212	181	154
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	9%	7%	5%	4%	3%	3%	2%	2%

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°
8248	8081	7587	6847	5932	4974	3971	3066	2269	1684	1239	936	713	552	431	340	276	212	181	154
100%	98%	92%	83%	72%	60%	48%	37%	28%	20%	15%	11%	9%	7%	5%	4%	3%	3%	2%	2%

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°
8248	8070	7574	6825	5942	4962	3975	3056	2293	1696	1259	948	725	560	440	349	281	227	187	159
100%	98%	92%	83%	72%	60%	48%	37%	28%	21%	15%	11%	9%	7%	5%	4%	3%	3%	2%	2%

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°
8248	8070	7574	6825	5942	4962	3975	3056	2293	1696	1259	948	725	560	440	349	281	227	187	159
100%	98%	92%	83%	72%	60%	48%	37%	28%	21%	15%	11%	9%	7%	5%	4%	3%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
23.4°	45.9°	69.1°	98.3%	94.7%