

ELEMENT H IP



Light Efficiency:



Light Quality:



Color Temperature:

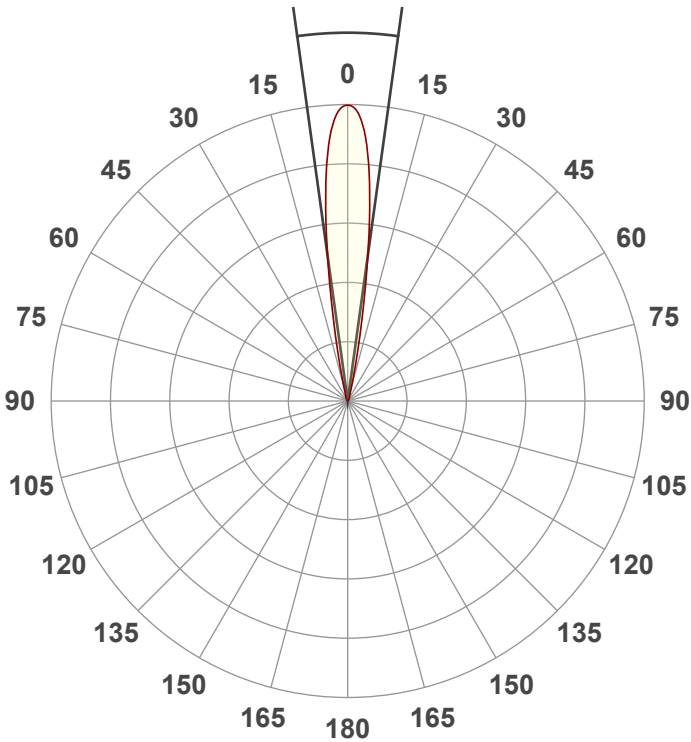


Output: 182 lm
Peak: 1954 cd
Power: 10.1 W
PF: 0.46



Beam Angle

15.8°

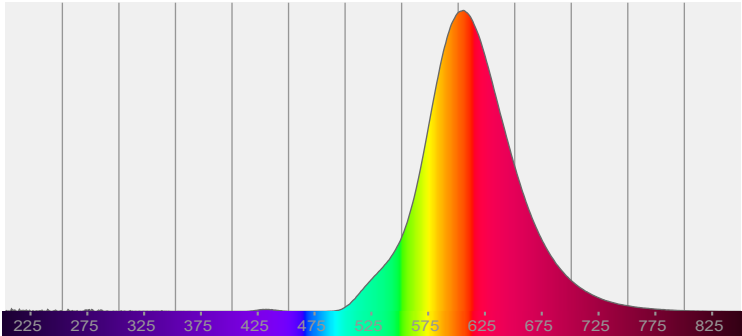


CIE 1931
x: 0.570
y: 0.429

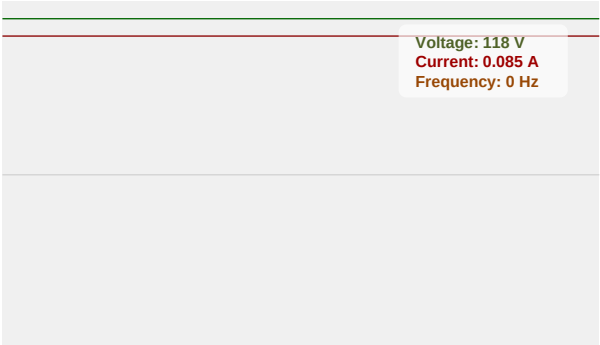
Test: Amber
Date: 5/9/2023
Note:

Spectra

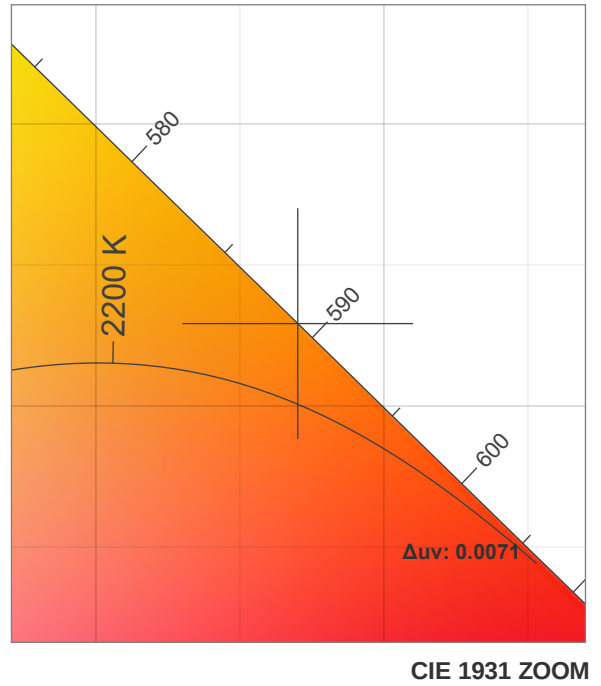
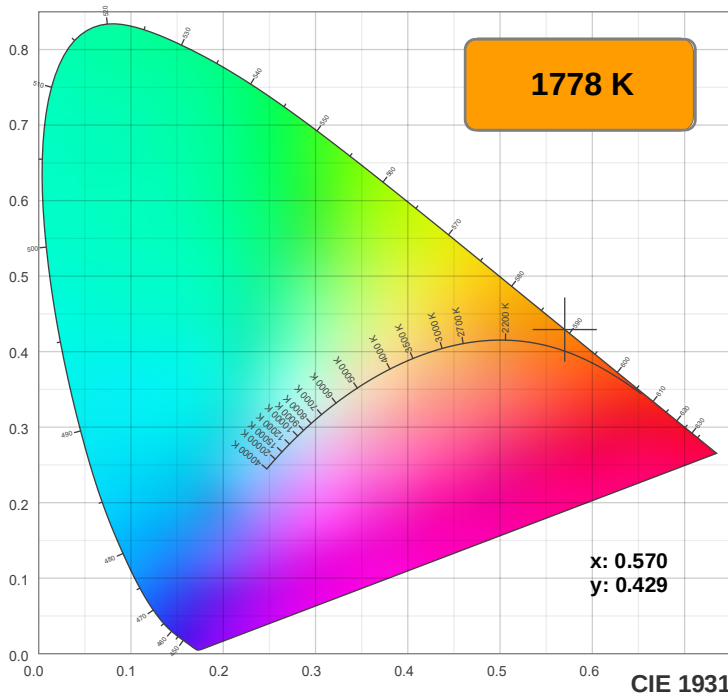
Dominant Wavelength: 589nm



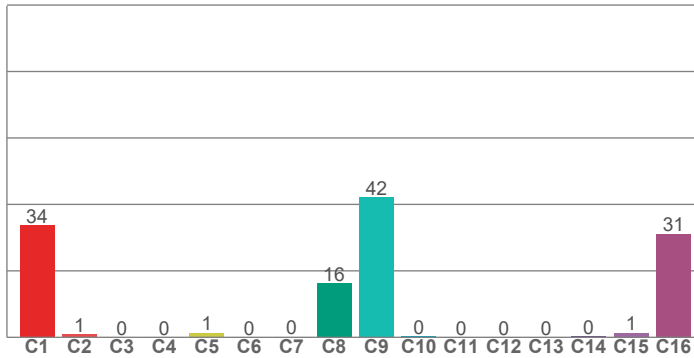
Power



Color Details



TM30: 0.4



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
44.7	43.8	18.0	4.8	40.6	8.2	17.1	7.6	-79.7	-9.3	-22.1	-639.5	39.0	56.0	30.2

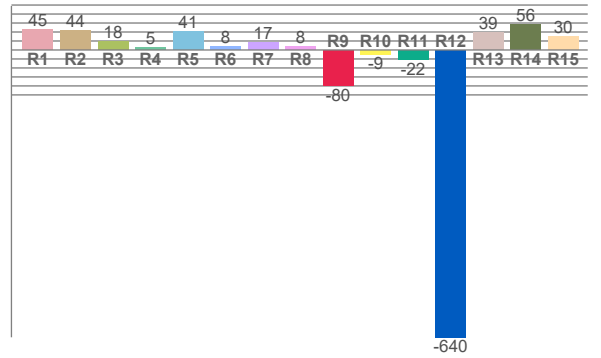
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
33.6	0.9	0.0	0.0	1.4	0.0	0.1	16.2	42.1	0.3	0.0	0.0	0.0	0.3	1.3	31.1

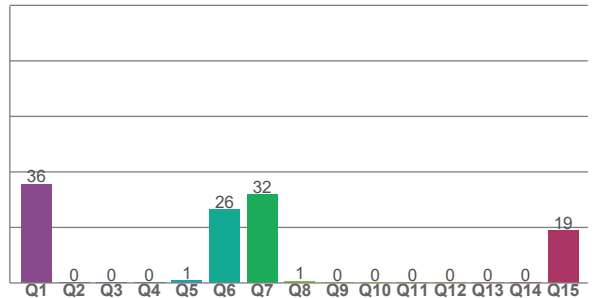
CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
35.6	0.0	0.0	0.0	0.8	26.4	31.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	18.8

CRI: 23.1 (R1-R8)



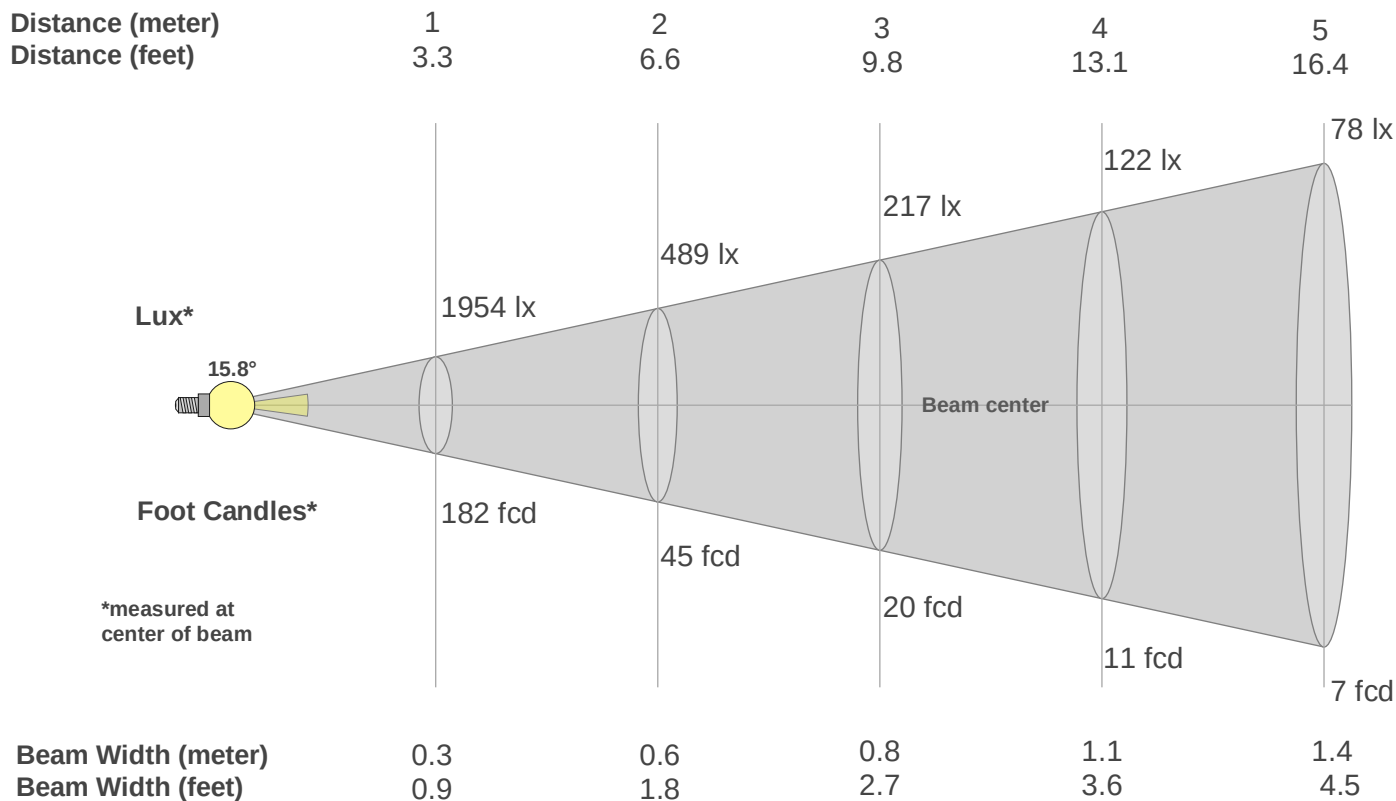
CQS: 0.0



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
1778 K	23.1	-79.7	0.4	44.8	0.0	0.570	0.429	0.325	0.367	0.0071

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	1954	489	217	122	78	54	40	31	24	20	16	14	12	10	9	8	7	6	5	5
fcd	181.6	45.4	20.2	11.3	7.3	5	3.7	2.8	2.2	1.8	1.5	1.3	1.1	0.9	0.8	0.7	0.6	0.6	0.5	0.5

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°
1954	1949	1908	1834	1733	1578	1389	1178	949	735	537	388	273	184	134	99	76	63	54	47
100%	100%	98%	94%	89%	81%	71%	60%	49%	38%	27%	20%	14%	9%	7%	5%	4%	3%	3%	2%

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°
1954	1949	1908	1834	1733	1578	1389	1178	949	735	537	388	273	184	134	99	76	63	54	47
100%	100%	98%	94%	89%	81%	71%	60%	49%	38%	27%	20%	14%	9%	7%	5%	4%	3%	3%	2%

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°
1954	1949	1908	1834	1733	1578	1389	1178	949	735	537	388	273	184	134	99	76	63	54	47
100%	100%	98%	94%	89%	81%	71%	60%	49%	38%	27%	20%	14%	9%	7%	5%	4%	3%	3%	2%

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°
1954	1949	1908	1834	1733	1578	1389	1178	949	735	537	388	273	184	134	99	76	63	54	47
100%	100%	98%	94%	89%	81%	71%	60%	49%	38%	27%	20%	14%	9%	7%	5%	4%	3%	3%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
15.8°	25.7°	37.3°	99.8%	97.2%