

Hydro Profile



Light Efficiency:



Light Quality:



Color Temperature:



Output: 15747 lm

Peak: 40620 cd

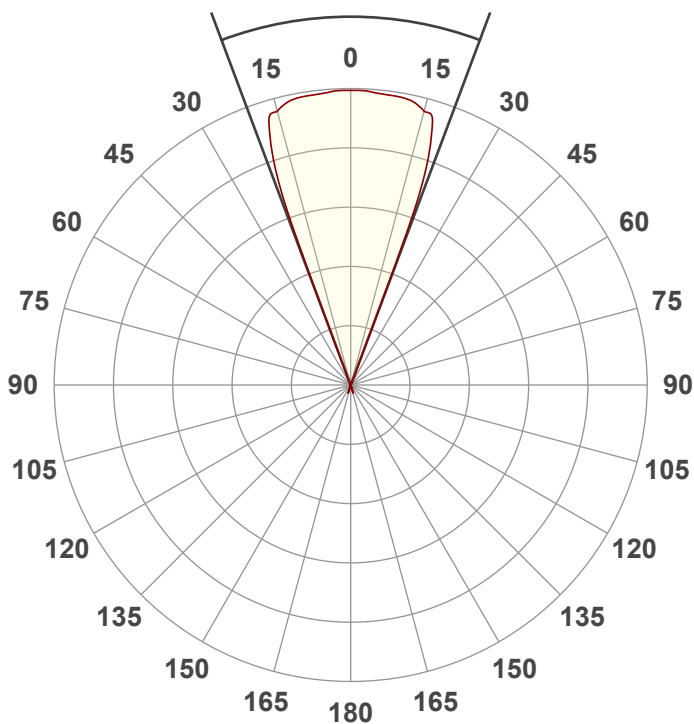
Power: 864.9 W

PF: 1.0



Beam Angle

41.1°



Test:

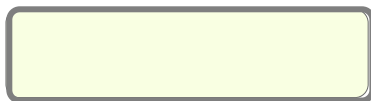
Zoom Out 5200K

Date:

7/19/2022

Note:

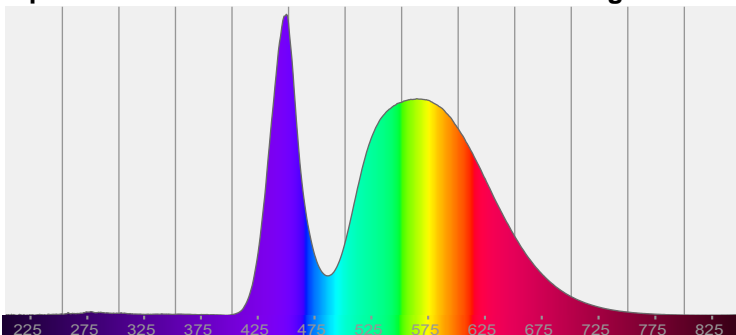
CTO @ 127



CIE 1931
x: 0.341
y: 0.354

Spectra

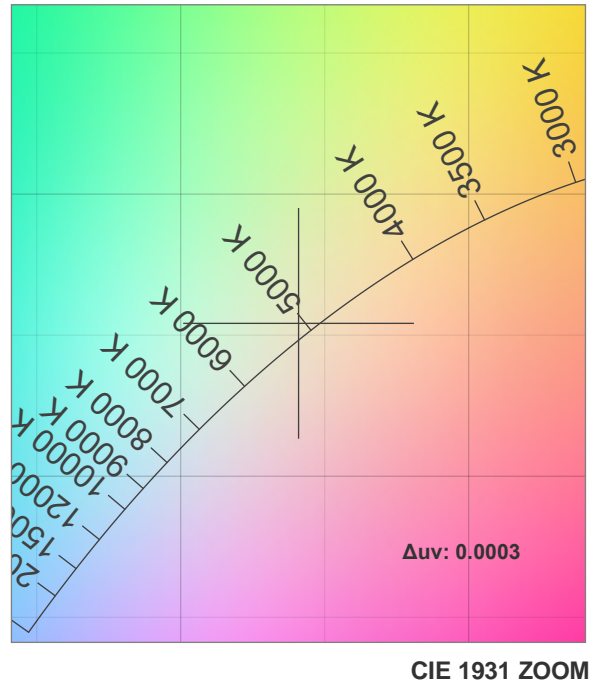
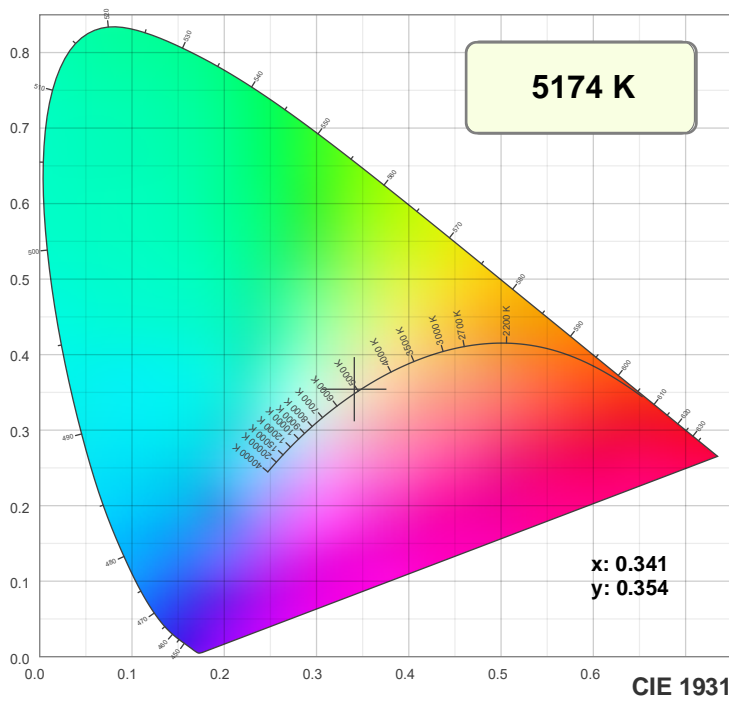
Dominant Wavelength: 578nm



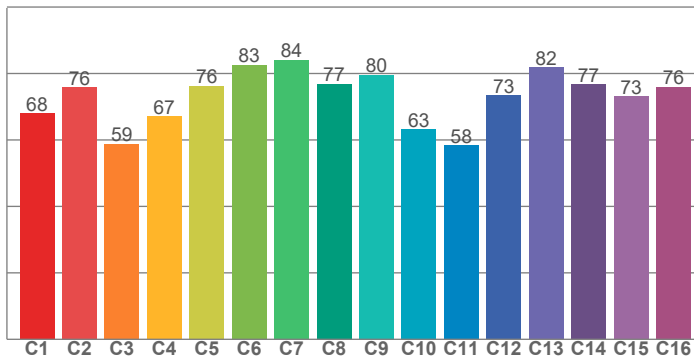
Power

Voltage: 118 V
Current: 7.31 A
Frequency: 0 Hz

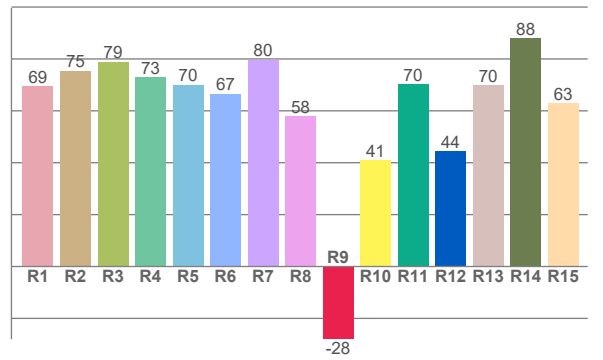
Color Details



TM30: 72.6



CRI: 71.4 (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
69.5	75.4	79.0	73.0	70.1	66.6	79.7	58.0	-28.1	40.9	70.2	44.5	69.8	87.9	62.8

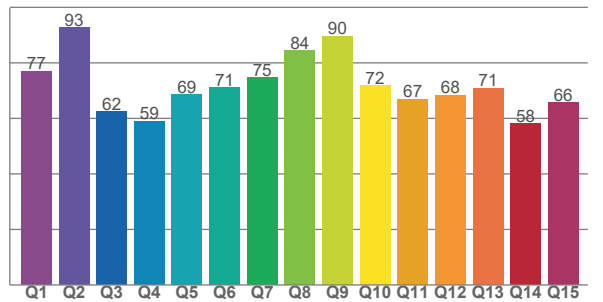
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
68.0	75.9	58.8	67.0	76.2	82.5	84.1	76.9	79.6	63.2	58.4	73.4	81.8	76.7	73.0	76.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	92.7	62.4	59.0	68.6	71.1	74.6	84.4	89.6	71.7	66.9	68.3	70.9	58.0	65.6

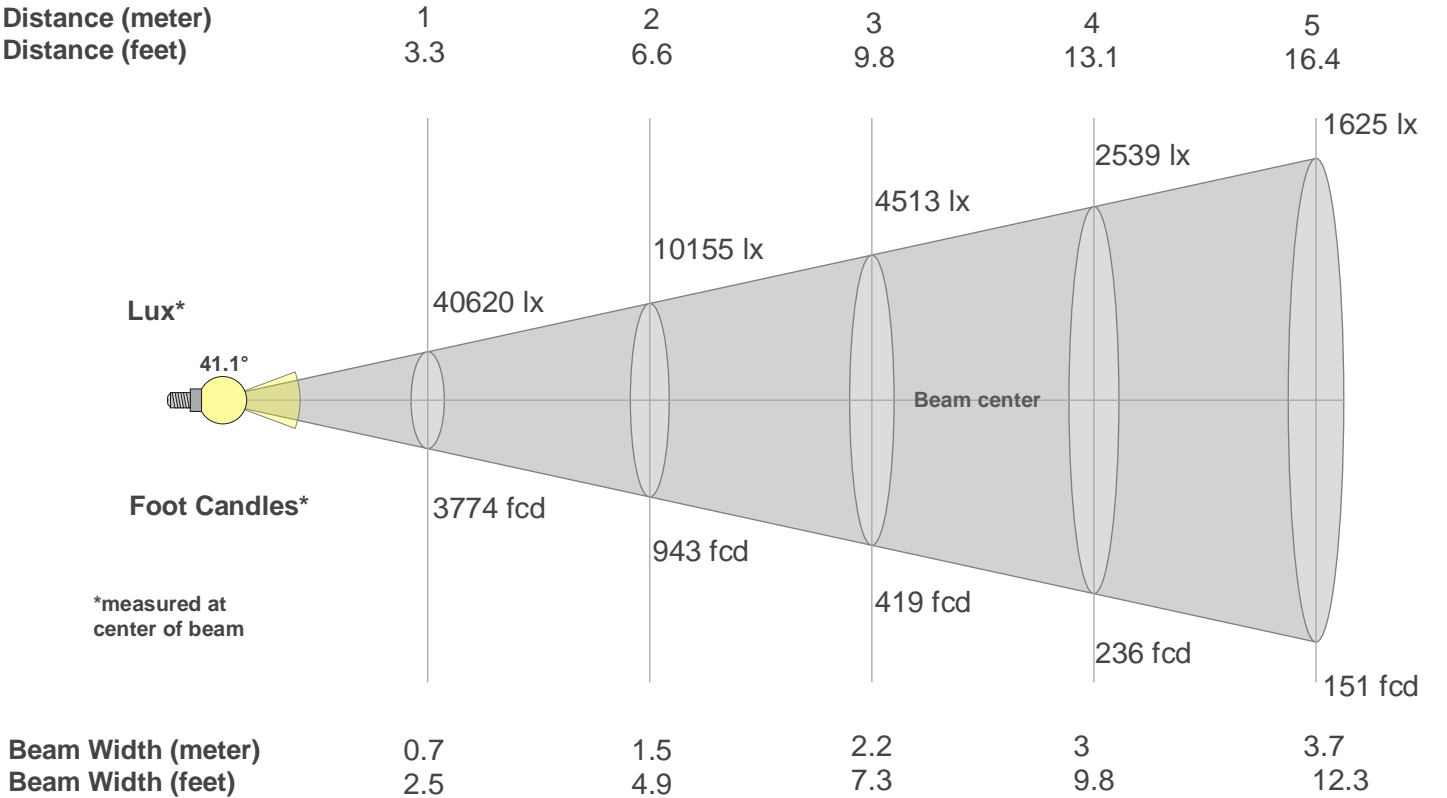
CQS: 70.3



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
5174 K	71.4	-28.1	72.6	95.2	70.3	0.341	0.354	0.208	0.324	0.0003

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	40620	10155	4513	2539	1625	1128	829	635	501	406	336	282	240	207	181	159	141	125	113	102
fcd	3773.7	943.4	419.3	235.9	150.9	104.8	77	59	46.6	37.7	31.2	26.2	22.3	19.3	16.8	14.7	13.1	11.6	10.5	9.4

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°	
40.6K	40.6K	40.5K	40.4K	40.3K	40.3K	40.0K	39.4K	38.5K	35.0K	25.7K	5.1K	0.4K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	99%	99%	99%	99%	97%	95%	86%	63%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
40.6K	40.6K	40.5K	40.4K	40.3K	40.3K	40.0K	39.4K	38.5K	35.0K	25.7K	5.1K	0.4K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	99%	99%	99%	99%	97%	95%	86%	63%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
40.6K	40.6K	40.5K	40.4K	40.3K	40.3K	40.0K	39.4K	38.5K	35.0K	25.7K	5.1K	0.4K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	99%	99%	99%	99%	97%	95%	86%	63%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%

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°	
40.6K	40.6K	40.5K	40.4K	40.3K	40.3K	40.0K	39.4K	38.5K	35.0K	25.7K	5.1K	0.4K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	99%	99%	99%	99%	97%	95%	86%	63%	13%	1%	0%	0%	0%	0%	0%	0%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
41.1°	44.2°	45.3°	99.4%	99.2%