

Hydro Profile



Light Efficiency:

6 Lumen/Watt

Light Quality:

CRI: 69.3

Color Temperature:

4210 K

Output: 5060 lm

Peak: 711546 cd

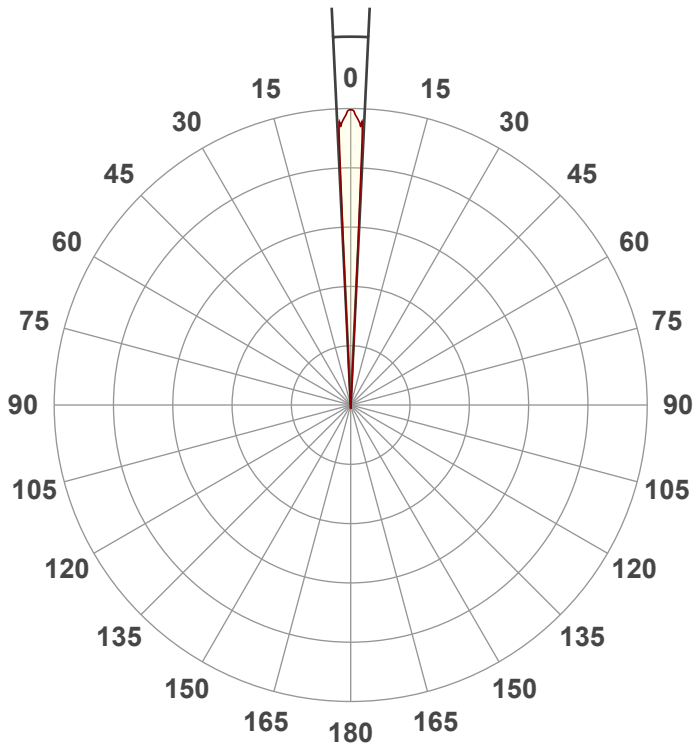
Power: 865 W

PF: 1.0



Beam Angle

5.5°



Test:

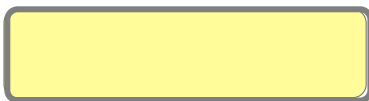
Zoom In 4200K

Date:

7/19/2022

Note:

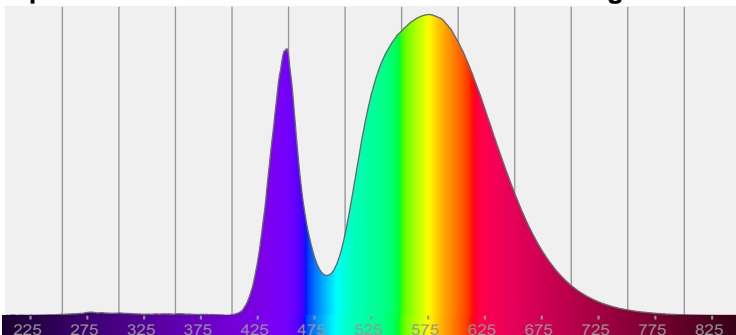
CTO @ 150



CIE 1931
x: 0.377
y: 0.394

Spectra

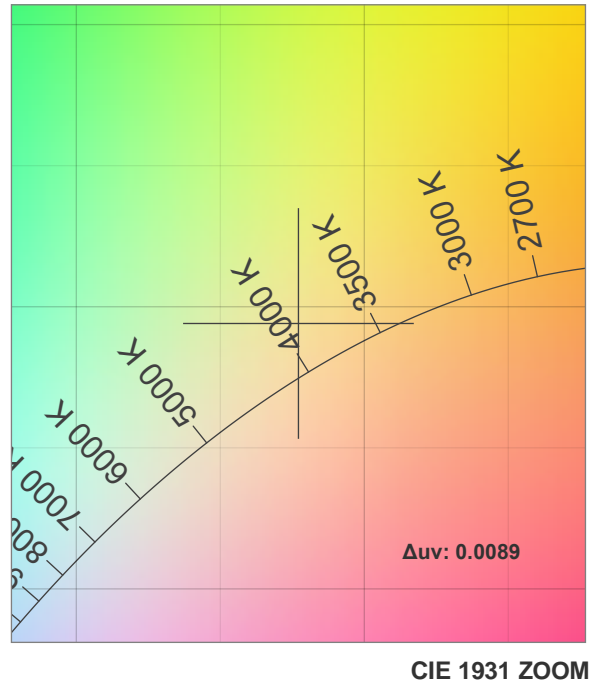
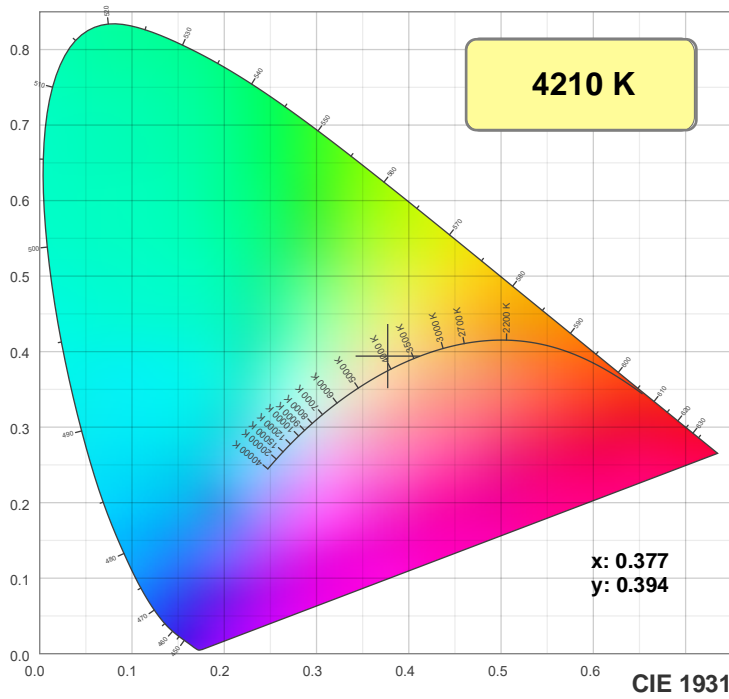
Dominant Wavelength: 577nm



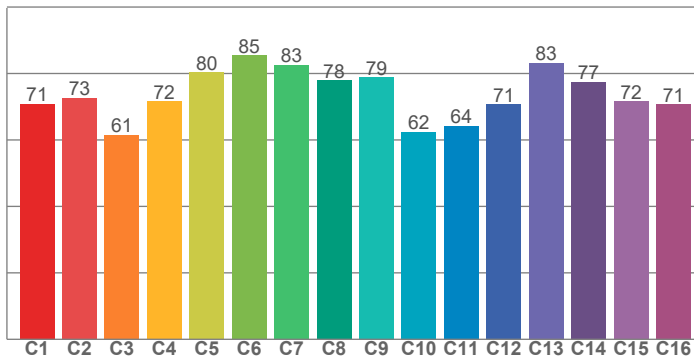
Power

Voltage: 118 V
Current: 7.32 A
Frequency: 0 Hz

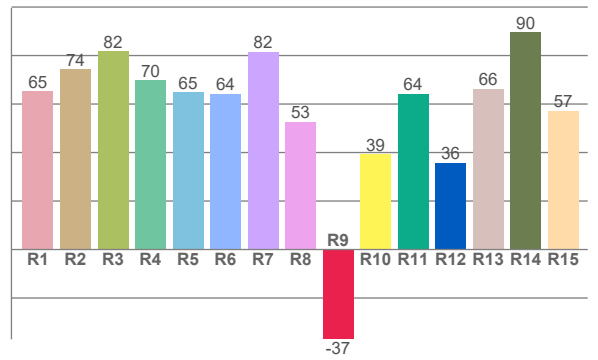
Color Details



TM30: 73.5



CRI: 69.3 (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
65.4	74.3	81.9	69.8	64.8	64.3	81.5	52.7	-37.0	39.4	64.3	35.8	66.4	89.6	57.2

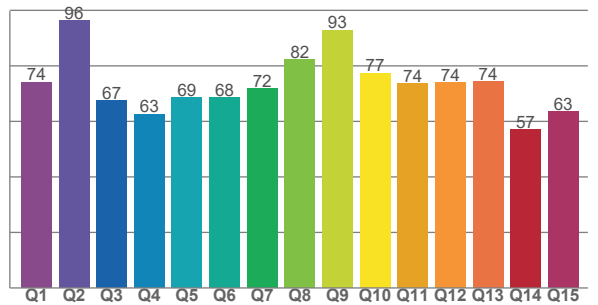
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
70.9	72.7	61.5	71.6	80.3	85.4	82.6	77.9	78.9	62.4	64.2	70.8	83.2	77.5	71.6	70.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74.2	96.3	67.5	62.7	68.5	68.5	71.8	82.3	92.8	77.4	73.7	74.0	74.4	57.1	63.4

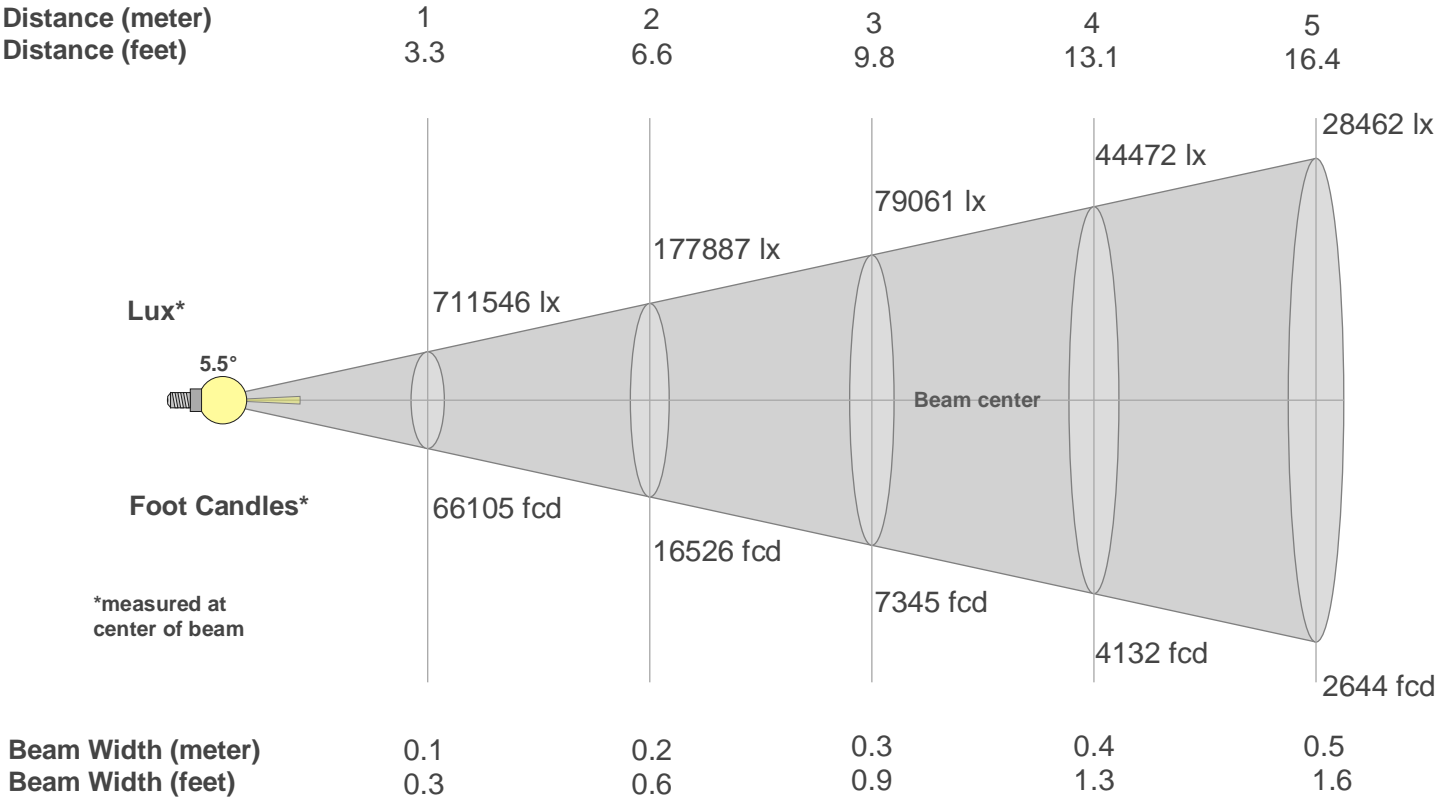
CQS: 71.7



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
4210 K	69.3	-37.0	73.5	92.7	71.7	0.377	0.394	0.216	0.339	0.0089

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	711546	177887	79061	44472	28462	19765	14521	11118	8785	7115	5881	4941	4210	3630	3162	2779	2462	2196	1971	1779
fcd	66104.8	16526.2	7345	4131.6	2644.2	1836.2	1349.1	1032.9	816.1	661	546.3	459.1	391.2	337.3	293.8	258.2	228.7	204	183.1	165.3

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°
712K	699K	673K	101K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	98%	95%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°
712K	699K	673K	101K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	98%	95%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°
712K	699K	673K	101K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	98%	95%	14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

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°
712K	699K	673K	101K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	98%	95%	14%	0%	0%	0%	0%	0%	0%	0%	0%	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
5.5°	6.3°	6.8°	100.0%	100.0%