

Hydro Profile



Light Efficiency:



Light Quality:



Color Temperature:



Output: 11899 lm

Peak: 206518 cd

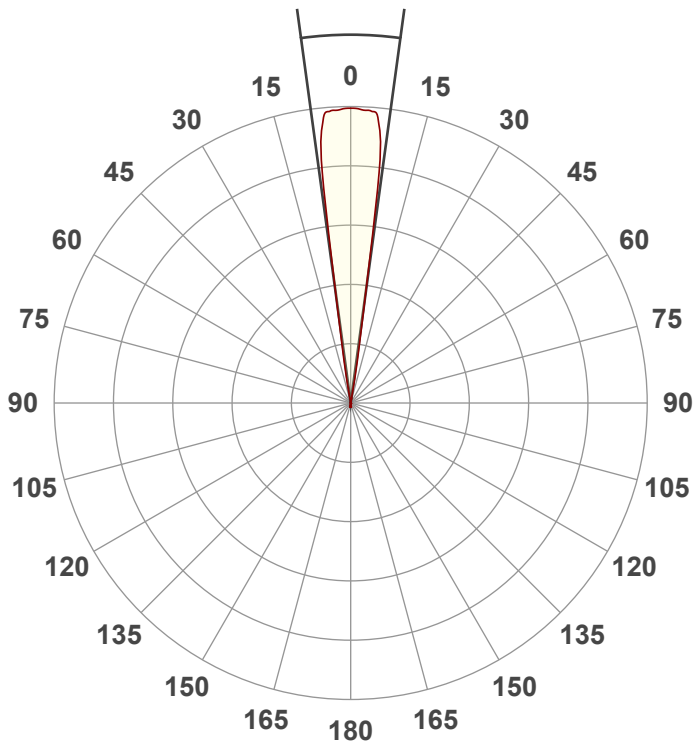
Power: 864 W

PF: 1.0



Beam Angle

15.5°



Test:

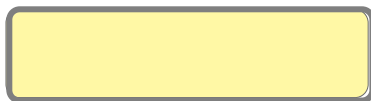
Zoom 50% 4200K

Date:

7/19/2022

Note:

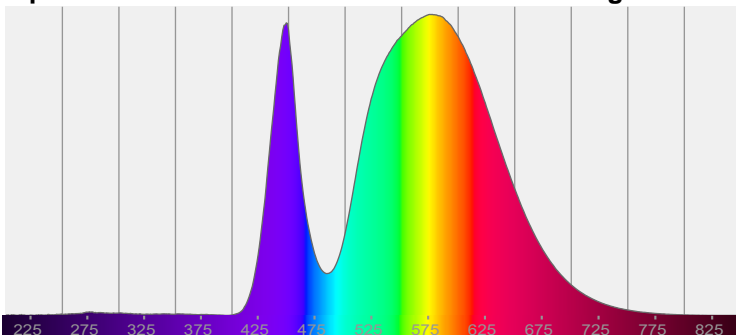
CTO @ 135



CIE 1931
x: 0.375
y: 0.384

Spectra

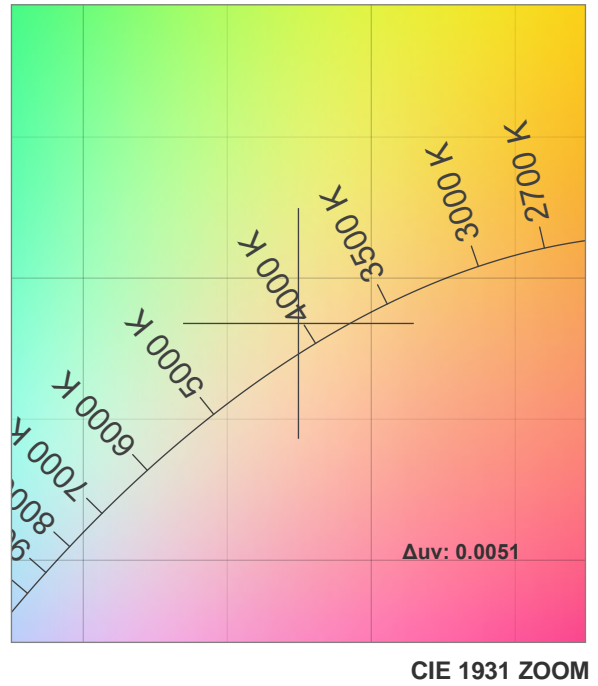
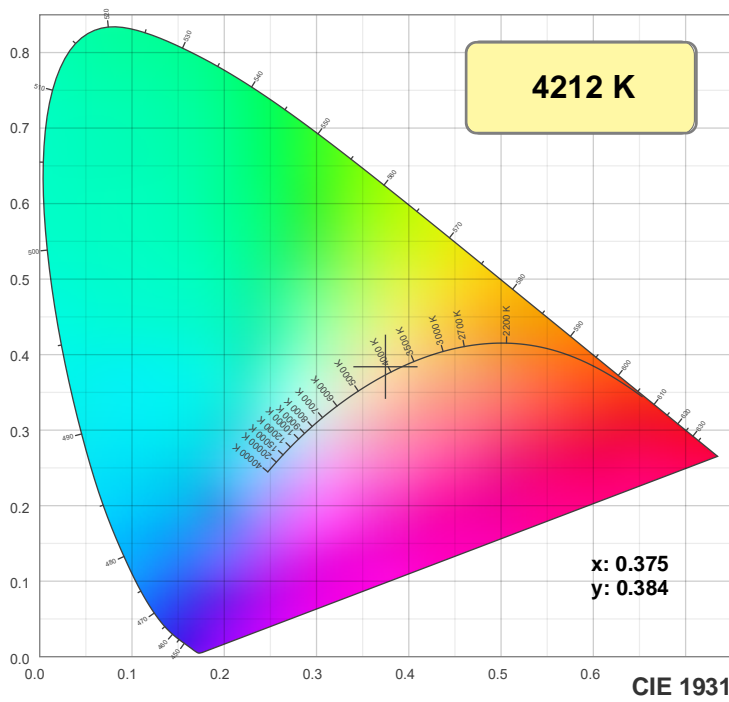
Dominant Wavelength: 578nm



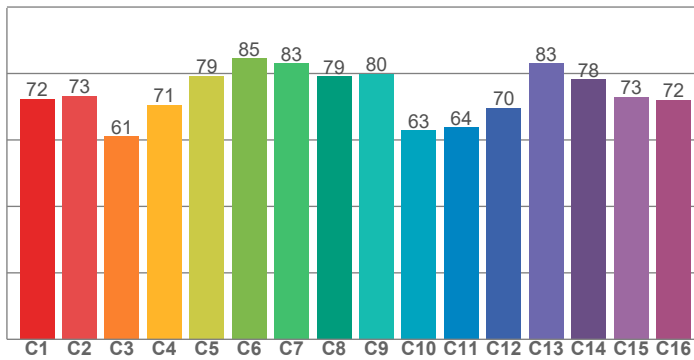
Power

Voltage: 119 V
Current: 7.29 A
Frequency: 0 Hz

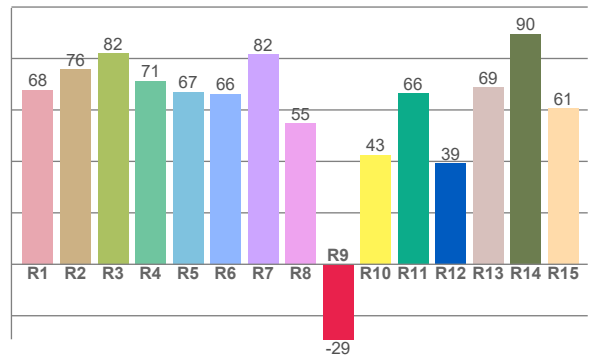
Color Details



TM30: 73.6



CRI: 70.9 (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
67.8	75.9	82.1	71.3	67.1	66.2	81.5	54.8	-29.2	42.6	66.3	39.1	68.7	89.6	60.6

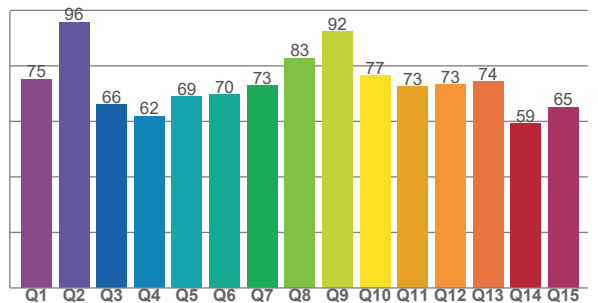
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
72.3	73.2	61.0	70.5	79.3	84.6	83.1	79.1	79.8	62.9	63.7	69.6	83.0	78.2	72.9	72.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.2	95.7	66.1	61.9	69.0	69.7	72.9	82.7	92.4	76.5	72.6	73.3	74.4	59.2	65.1

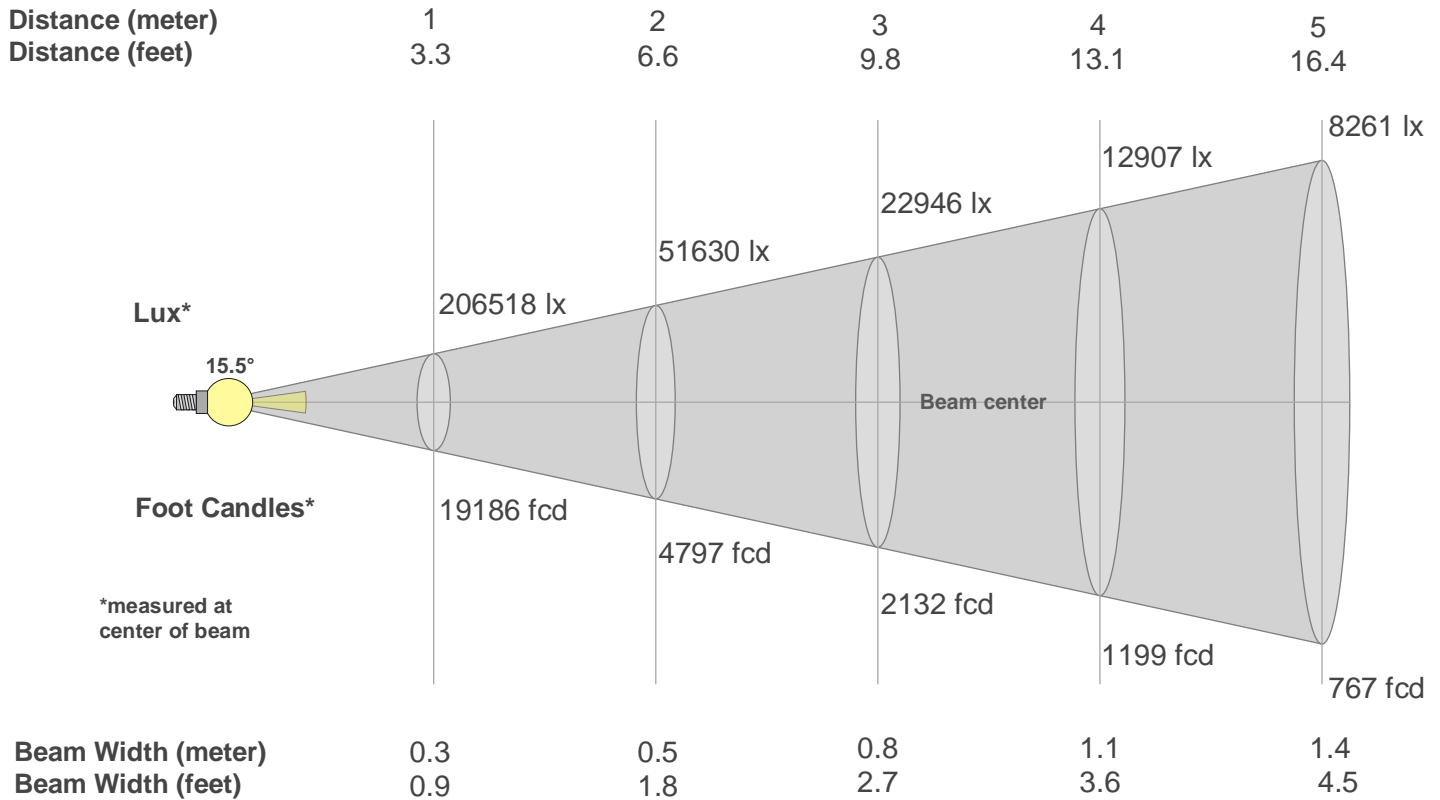
CQS: 72.0



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
4212 K	70.9	-29.2	73.6	94.0	72.0	0.375	0.384	0.219	0.336	0.0051

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	206518	51630	22946	12907	8261	5737	4215	3227	2550	2065	1707	1434	1222	1054	918	807	715	637	572	516
fcd	19186.2	4796.5	2131.8	1199.1	767.4	532.9	391.6	299.8	236.9	191.9	158.6	133.2	113.5	97.9	85.3	74.9	66.4	59.2	53.1	48

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°
207K	207K	206K	205K	205K	202K	188K	163K	83K	27K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	99%	99%	98%	91%	79%	40%	13%	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°
207K	207K	206K	205K	205K	202K	188K	163K	83K	27K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	99%	99%	98%	91%	79%	40%	13%	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°
207K	207K	206K	205K	205K	202K	188K	163K	83K	27K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	99%	99%	98%	91%	79%	40%	13%	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°
207K	207K	206K	205K	205K	202K	188K	163K	83K	27K	1K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	100%	99%	99%	98%	91%	79%	40%	13%	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
15.5°	18.5°	19.7°	100.0%	100.0%