

Hydro Profile



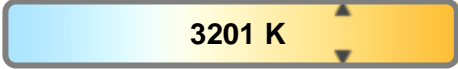
Light Efficiency:



Light Quality:



Color Temperature:



Output: 8521 lm

Peak: 22010 cd

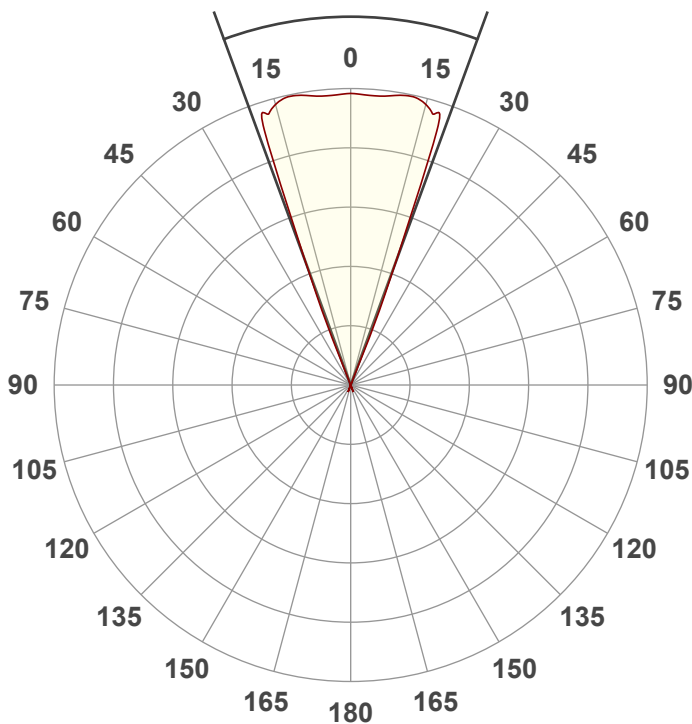
Power: 865 W

PF: 1.0



Beam Angle

40.3°



Test:

Zoom Out 3200K

Date:

7/19/2022

Note:

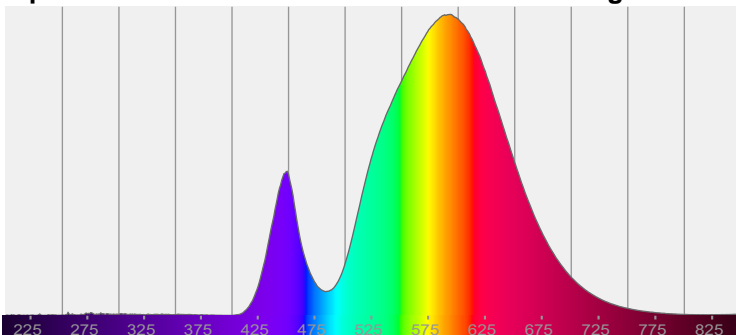
CTO @ 193



CIE 1931
x: 0.433
y: 0.419

Spectra

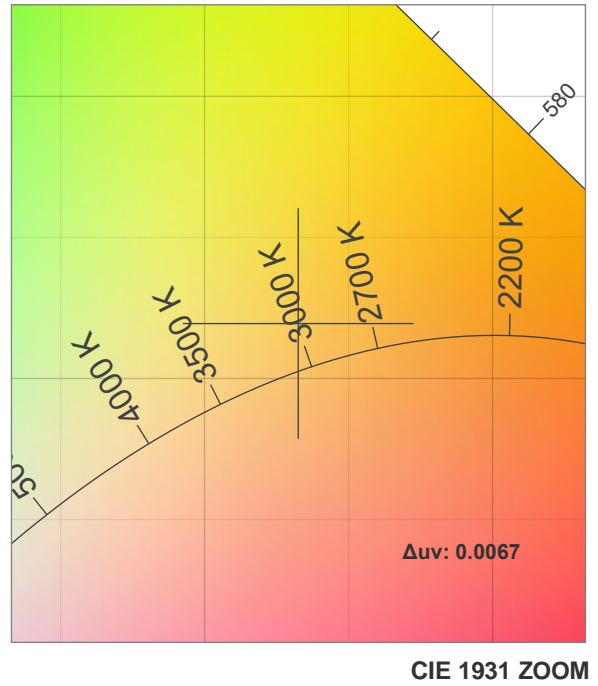
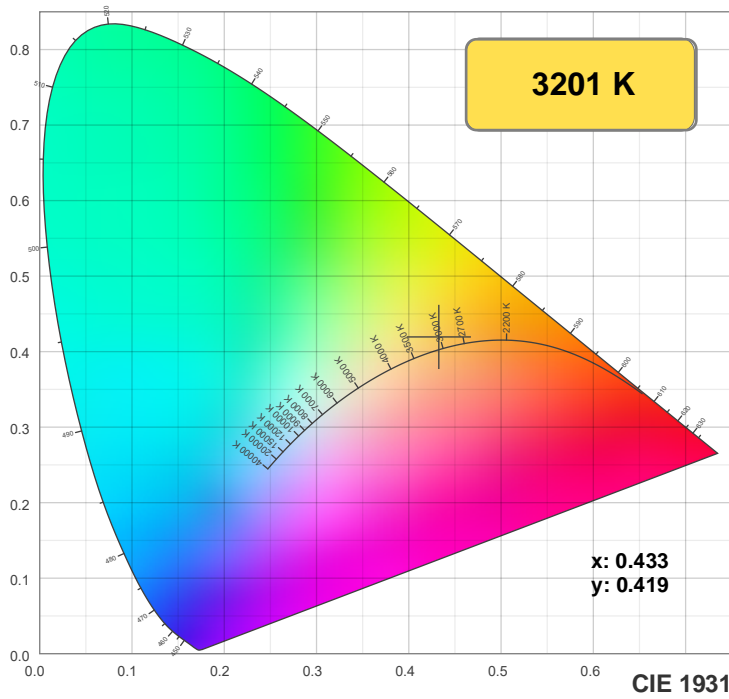
Dominant Wavelength: 581nm



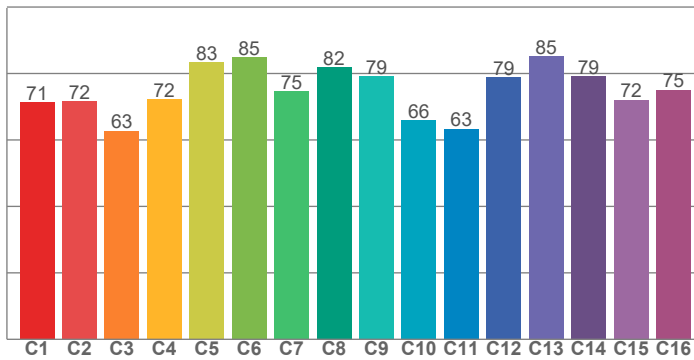
Power

Voltage: 119 V
Current: 7.30 A
Frequency: 0 Hz

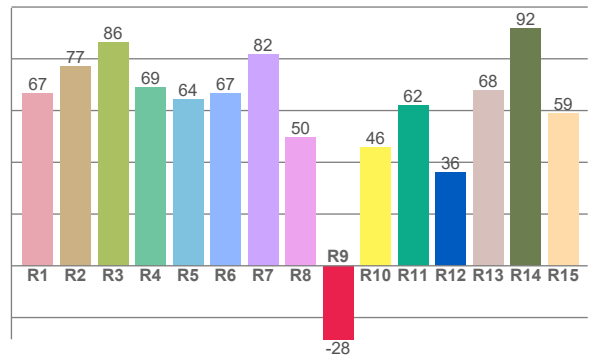
Color Details



TM30: 74.5



CRI: 70.2 (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
66.5	77.1	86.2	69.1	64.2	66.7	81.8	49.7	-28.4	45.9	62.0	36.2	67.8	91.7	58.9

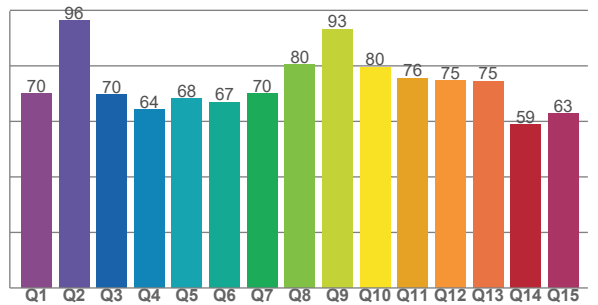
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
71.3	71.5	62.7	72.2	83.3	84.9	74.5	81.9	79.1	65.9	63.3	78.8	85.1	79.2	72.1	75.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
70.1	96.3	69.7	64.3	68.2	66.9	69.9	80.4	93.2	79.6	75.5	74.8	74.6	58.7	62.9

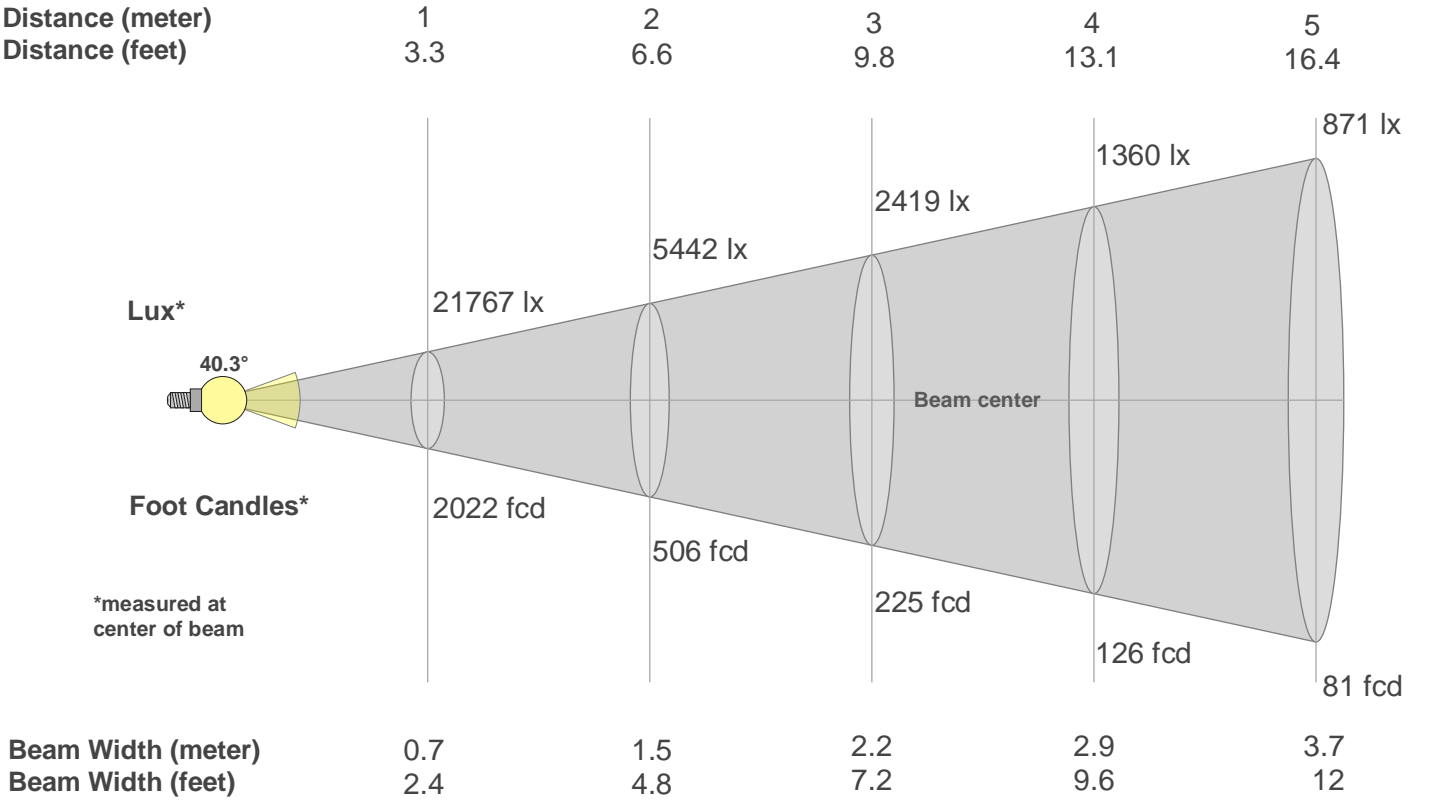
CQS: 71.7



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
3201 K	70.2	-28.4	74.5	93.9	71.7	0.433	0.419	0.241	0.351	0.0067

Beam Details



Lux*

40.3°

21767 lx

5442 lx

2419 lx

1360 lx

871 lx

Beam center

Foot Candles*

2022 fcd

506 fcd

225 fcd

126 fcd

81 fcd

*measured at center of beam

Beam Width (meter)

Beam Width (feet)

0.7

2.4

1.5

4.8

2.2

7.2

2.9

9.6

3.7

12

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	21767	5442	2419	1360	871	605	444	340	269	218	180	151	129	111	97	85	75	67	60	54
fcd	2022.2	505.6	224.7	126.4	80.9	56.2	41.3	31.6	25	20.2	16.7	14	12	10.3	9	7.9	7	6.2	5.6	5.1

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°	
21.8K	21.7K	21.7K	21.7K	21.8K	22.0K	22.0K	21.8K	21.4K	20.5K	11.8K	2.6K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	100%	100%	101%	101%	100%	98%	94%	54%	12%	0%	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°	
21.8K	21.7K	21.7K	21.7K	21.8K	22.0K	22.0K	21.8K	21.4K	20.5K	11.8K	2.6K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	100%	100%	101%	101%	100%	98%	94%	54%	12%	0%	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°	
21.8K	21.7K	21.7K	21.7K	21.8K	22.0K	22.0K	21.8K	21.4K	20.5K	11.8K	2.6K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	100%	100%	101%	101%	100%	98%	94%	54%	12%	0%	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°	
21.8K	21.7K	21.7K	21.7K	21.8K	22.0K	22.0K	21.8K	21.4K	20.5K	11.8K	2.6K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K	0.0K
100%	100%	100%	100%	100%	101%	101%	100%	98%	94%	54%	12%	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
40.3°	44.2°	45.2°	99.5%	99.3%