

# Hydro Spot 2



Light Efficiency:

33 Lumen/Watt

Light Quality:

CRI: 70.3

Color Temperature:

6246 K

Output: 14986 lm

Peak: 48262 cd

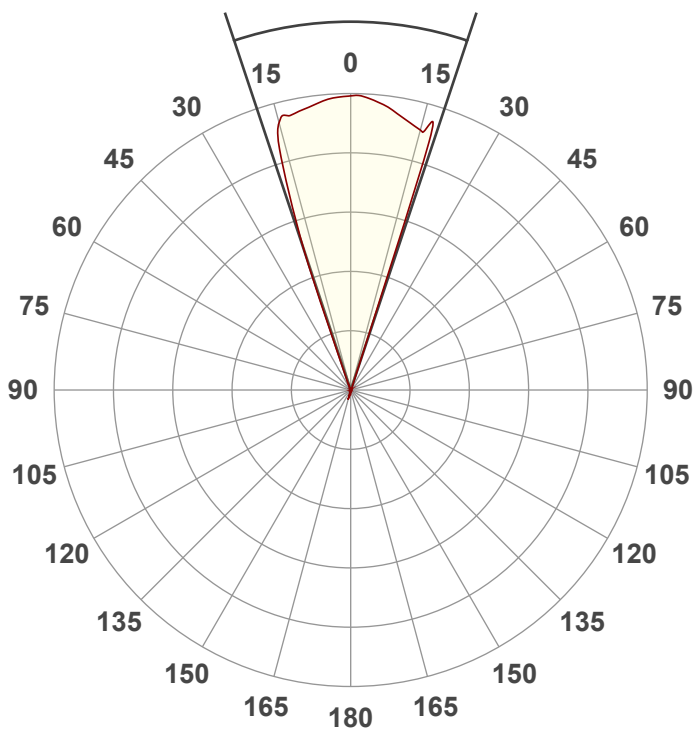
Power: 448.9 W

PF: 1.0



Beam Angle

36.9°



Test:

Zoom Out

Date:

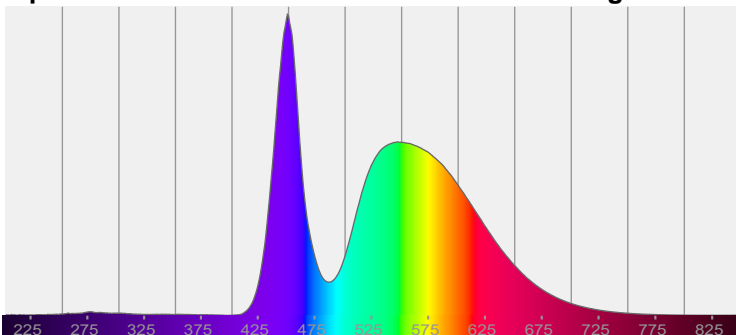
10/5/2022

Note:

CIE 1931  
x: 0.317  
y: 0.338

Spectra

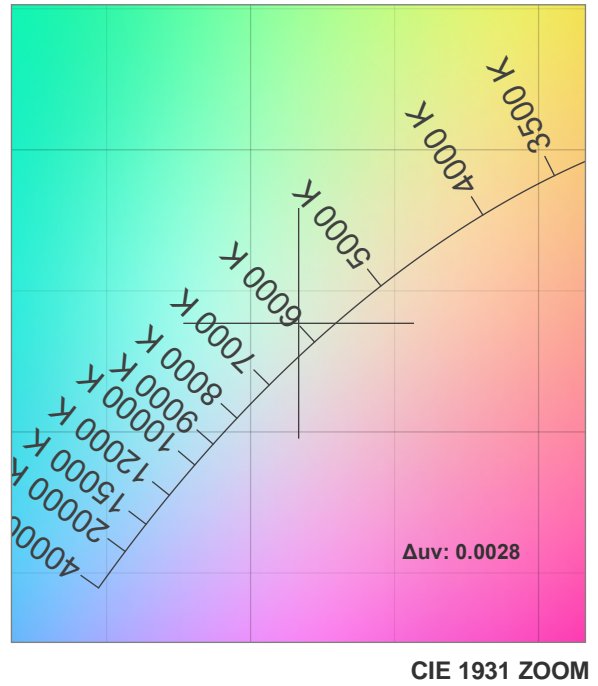
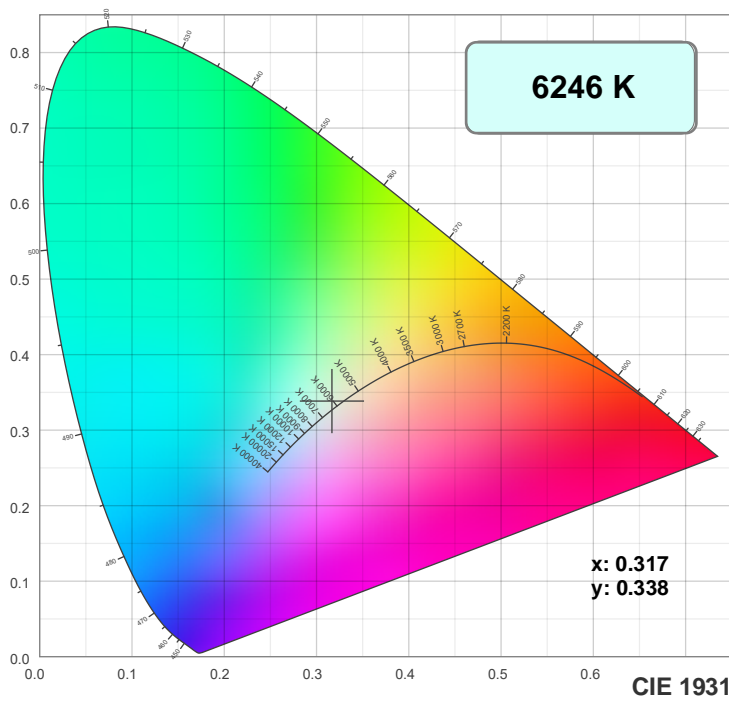
Dominant Wavelength: 566nm



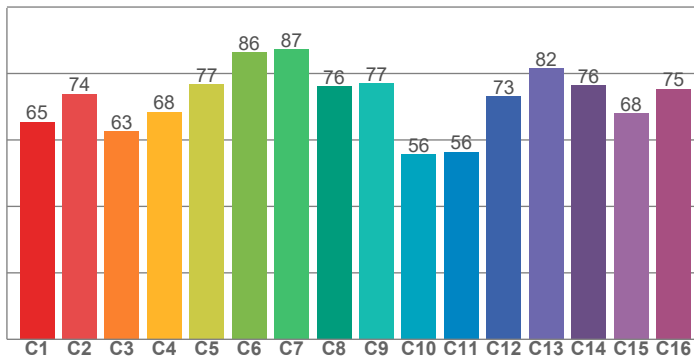
Power

Voltage: 120 V  
Current: 3.74 A  
Frequency: 0 Hz

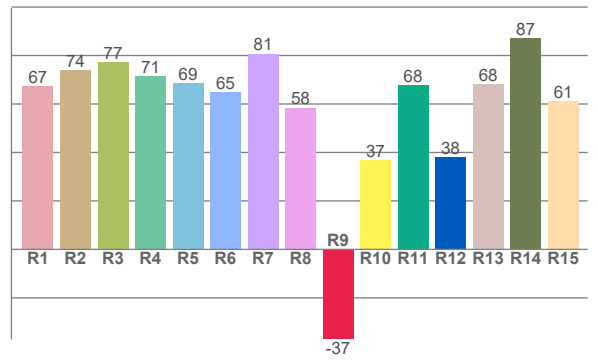
## Color Details



TM30: 72.1



CRI: 70.3 (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
67.5	73.9	77.1	71.5	68.5	64.7	80.7	58.4	-37.1	36.9	67.8	38.2	68.2	87.1	61.2

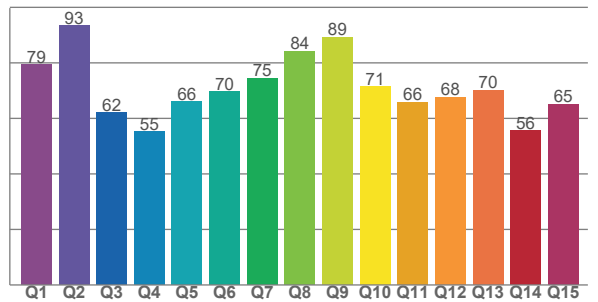
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.4	73.9	62.6	68.4	76.7	86.3	87.2	76.1	77.0	55.6	56.4	73.1	81.5	76.3	67.9	75.4

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.4	93.5	62.0	55.1	65.9	69.7	74.6	84.3	89.3	71.4	65.9	67.7	70.1	55.5	65.1

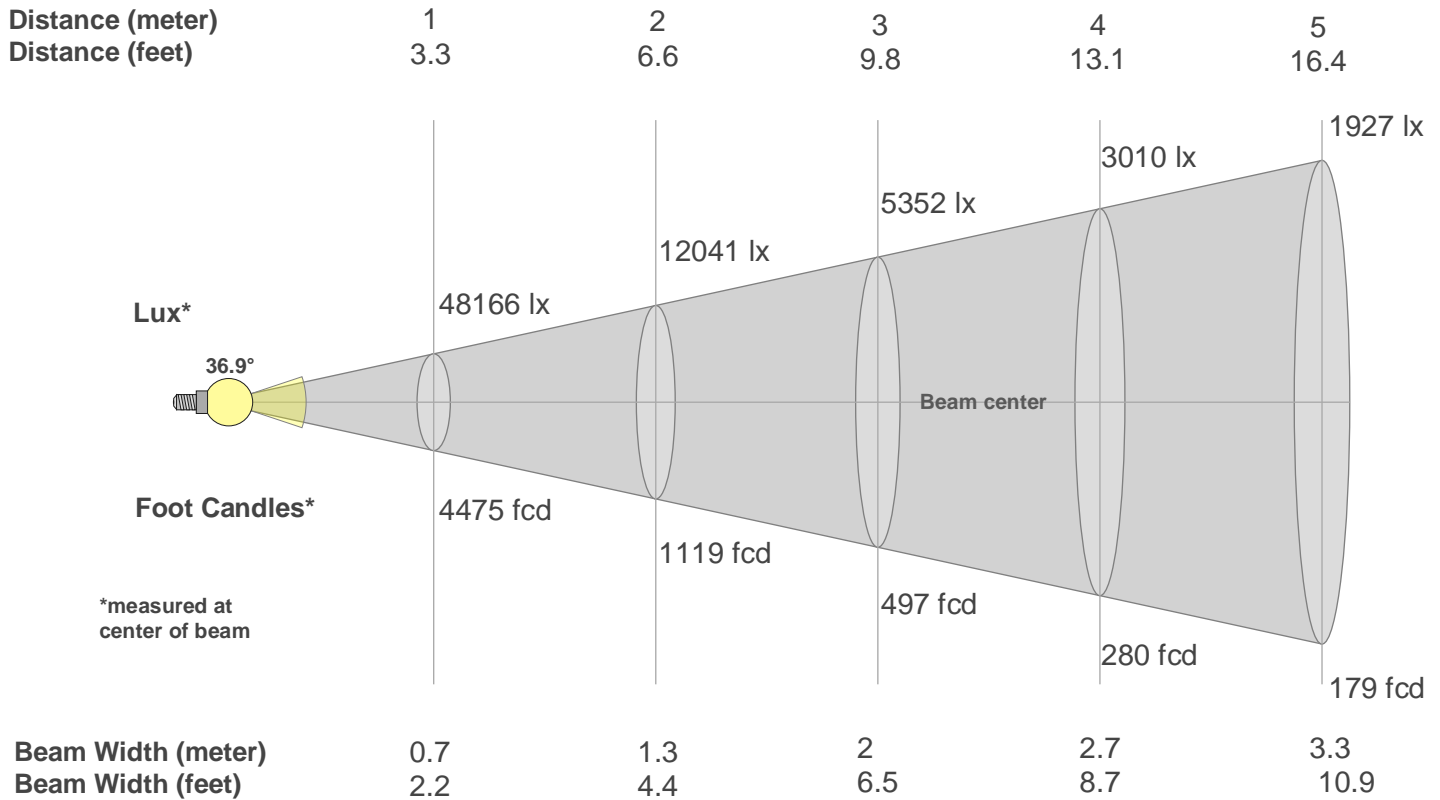
CQS: 69.3



## 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
6246 K	70.3	-37.1	72.1	92.5	69.3	0.317	0.338	0.197	0.316	0.0028

## 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	48166	12041	5352	3010	1927	1338	983	753	595	482	398	334	285	246	214	188	167	149	133	120
fcd	4474.8	1118.7	497.2	279.7	179	124.3	91.3	69.9	55.2	44.7	37	31.1	26.5	22.8	19.9	17.5	15.5	13.8	12.4	11.2

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°
48.2K	48.1K	48.0K	47.9K	47.8K	47.6K	47.4K	47.2K	46.9K	46.7K	46.5K	46.3K	46.1K	46.0K	46.0K	44.6K	42.2K	36.4K	27.9K	17.9K
100%	100%	100%	100%	99%	99%	98%	98%	97%	97%	97%	96%	96%	96%	95%	93%	88%	76%	58%	37%

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°
48.2K	48.1K	48.0K	47.9K	47.8K	47.6K	47.4K	47.2K	46.9K	46.7K	46.5K	46.3K	46.1K	46.0K	46.0K	44.6K	42.2K	36.4K	27.9K	17.9K
100%	100%	100%	100%	99%	99%	98%	98%	97%	97%	97%	96%	96%	96%	95%	93%	88%	76%	58%	37%

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°
48.2K	48.2K	48.2K	48.0K	47.7K	47.5K	47.2K	46.9K	46.5K	46.1K	45.7K	45.4K	45.0K	44.7K	44.4K	44.0K	43.6K	42.9K	33.0K	12.7K
100%	100%	100%	100%	99%	99%	98%	97%	97%	96%	95%	94%	93%	93%	92%	91%	90%	89%	69%	26%

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°
48.2K	48.2K	48.2K	48.0K	47.7K	47.5K	47.2K	46.9K	46.5K	46.1K	45.7K	45.4K	45.0K	44.7K	44.4K	44.0K	43.6K	42.9K	33.0K	12.7K
100%	100%	100%	100%	99%	99%	98%	97%	97%	96%	95%	94%	93%	93%	92%	91%	90%	89%	69%	26%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
36.9°	39.6°	41.7°	99.4%	99.2%