

Hydro Spot 2



Light Efficiency:

34 Lumen/Watt

Light Quality:

CRI: 70.1

Color Temperature:

6249 K

Output: 15267 lm

Peak: 222626 cd

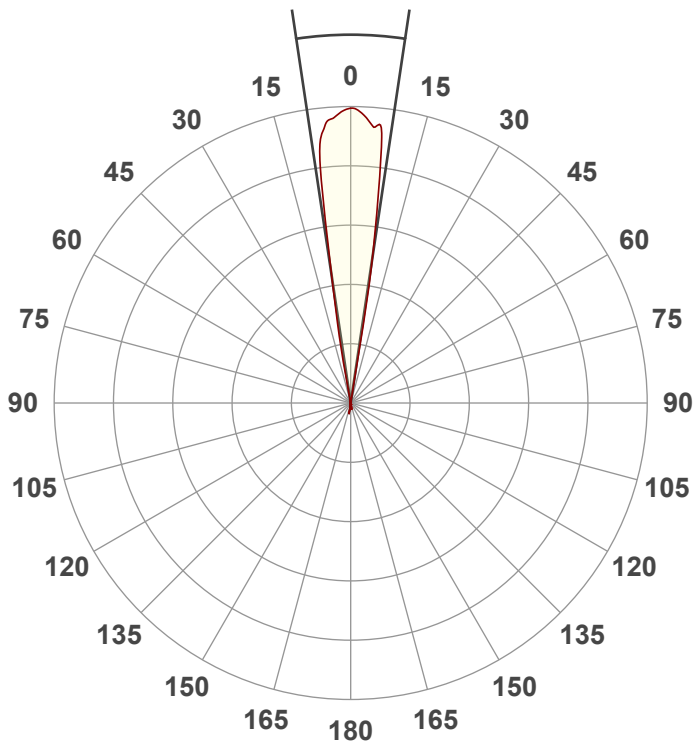
Power: 448.9 W

PF: 1.0



Beam Angle

17°



Test:

Zoom 50%

Date:

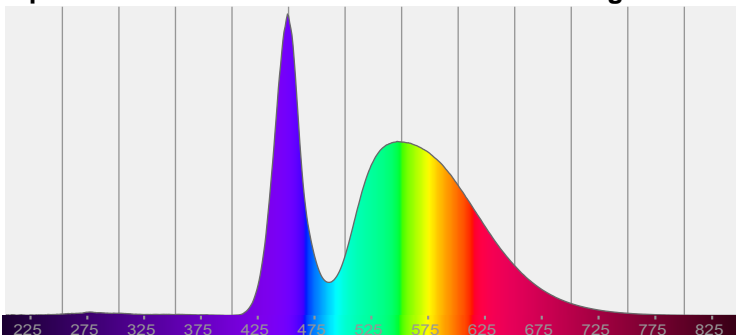
10/5/2022

Note:

CIE 1931
x: 0.317
y: 0.339

Spectra

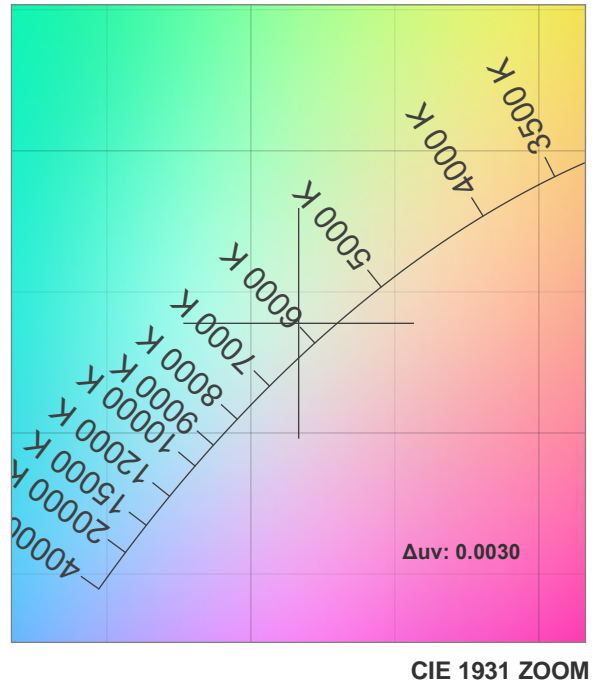
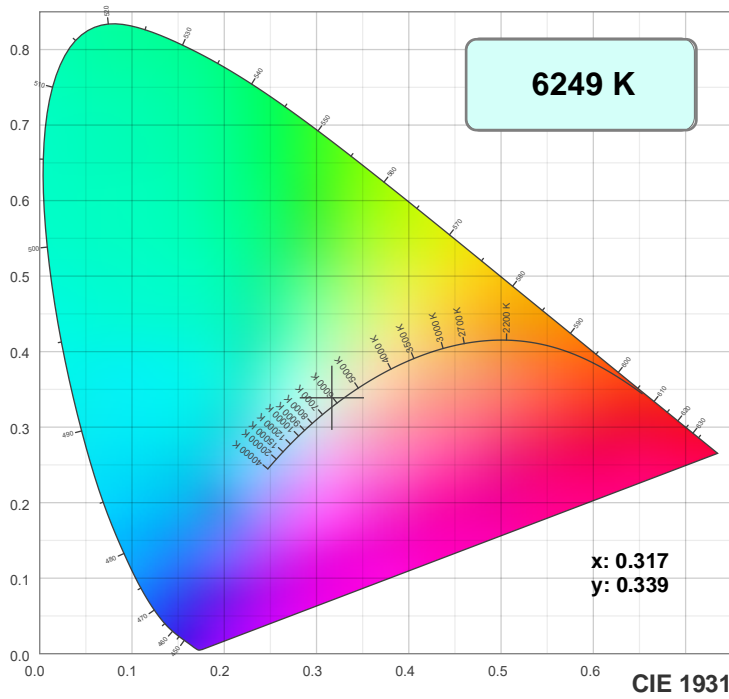
Dominant Wavelength: 566nm



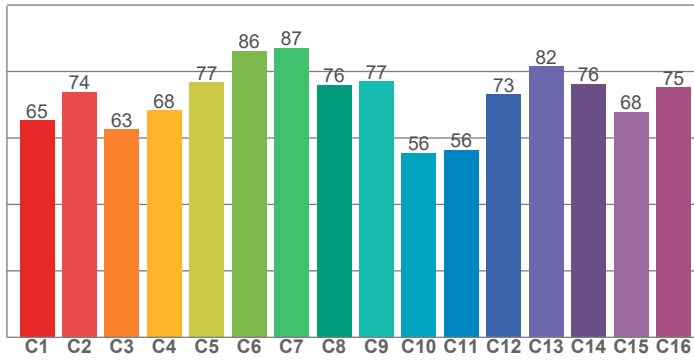
Power

Voltage: 120 V
Current: 3.75 A
Frequency: 0 Hz

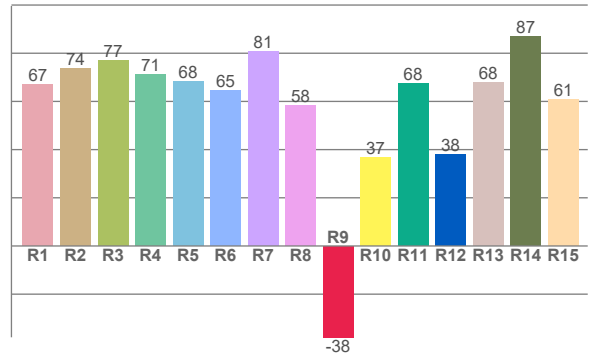
Color Details



TM30: 72.0



CRI: 70.1 (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
67.2	73.8	77.1	71.3	68.3	64.6	80.6	58.2	-37.9	36.6	67.6	37.9	68.0	87.1	60.9

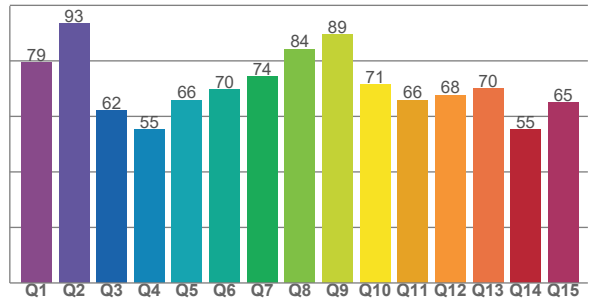
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
65.2	73.8	62.6	68.3	76.7	86.2	87.1	75.9	77.0	55.5	56.3	73.1	81.5	76.2	67.8	75.2

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.3	93.5	62.0	55.1	65.9	69.6	74.4	84.2	89.4	71.4	65.9	67.7	70.1	55.3	64.9

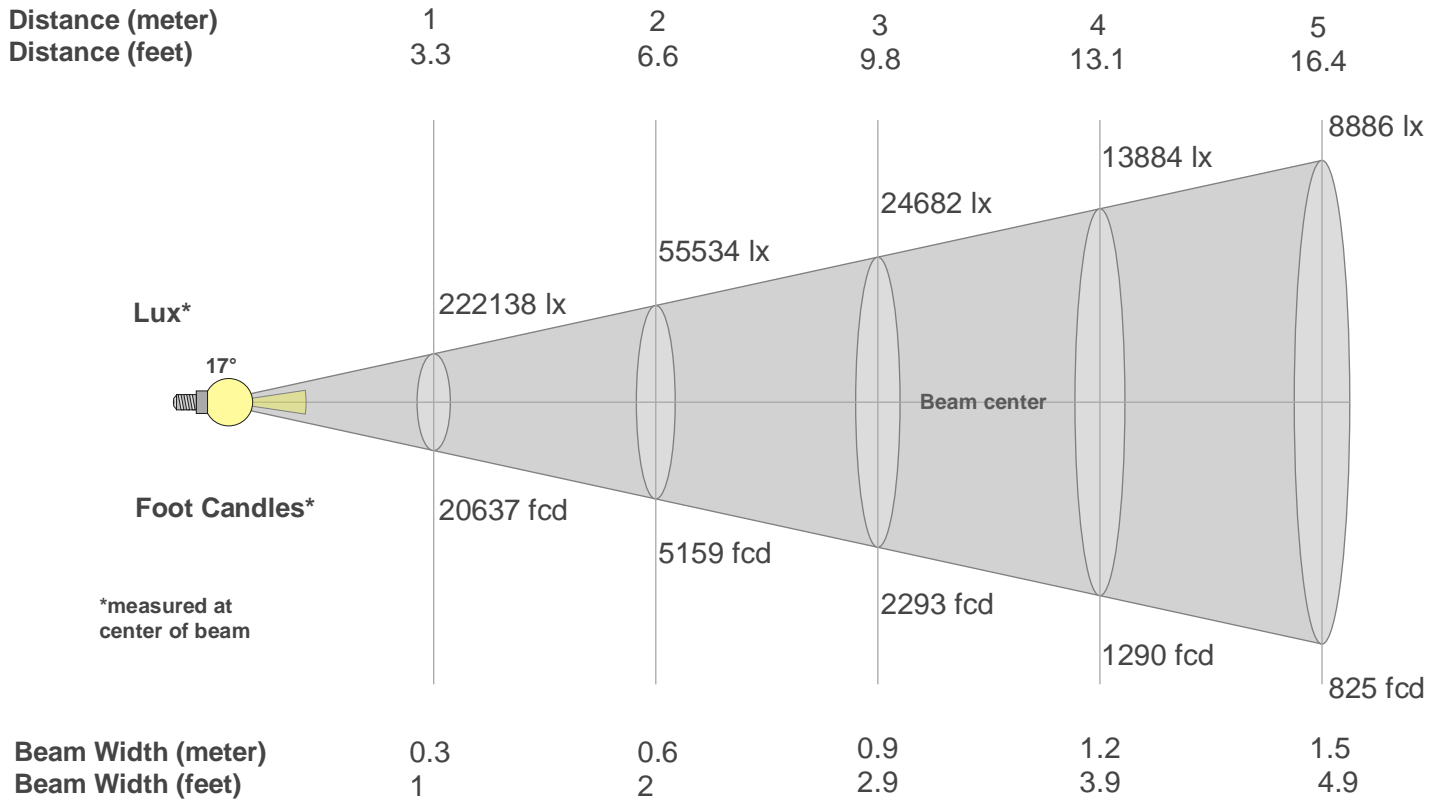
CQS: 69.2



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
6249 K	70.1	-37.9	72.0	92.4	69.2	0.317	0.339	0.197	0.316	0.0030

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	222138	55534	24682	13884	8886	6170	4533	3471	2742	2221	1836	1543	1314	1133	987	868	769	686	615	555
fcd	20637.3	5159.3	2293	1289.8	825.5	573.3	421.2	322.5	254.8	206.4	170.6	143.3	122.1	105.3	91.7	80.6	71.4	63.7	57.2	51.6

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°
222K	221K	219K	217K	214K	211K	200K	185K	141K	82K	41K	10K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	98%	96%	95%	90%	83%	63%	37%	19%	5%	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°
222K	221K	219K	217K	214K	211K	200K	185K	141K	82K	41K	10K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	98%	96%	95%	90%	83%	63%	37%	19%	5%	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°
222K	222K	219K	216K	212K	208K	205K	185K	136K	86K	34K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	97%	96%	94%	92%	83%	61%	39%	15%	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°
222K	222K	219K	216K	212K	208K	205K	185K	136K	86K	34K	0K	0K	0K	0K	0K	0K	0K	0K	0K
100%	100%	99%	97%	96%	94%	92%	83%	61%	39%	15%	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
17°	20.8°	21.7°	100.0%	100.0%