

Jolt 300



Light Efficiency:

94 Lumen/Watt

Light Quality:

CRI: 82.1

Color Temperature:

6075 K

Output: 7200 lm

Peak: 2448 cd

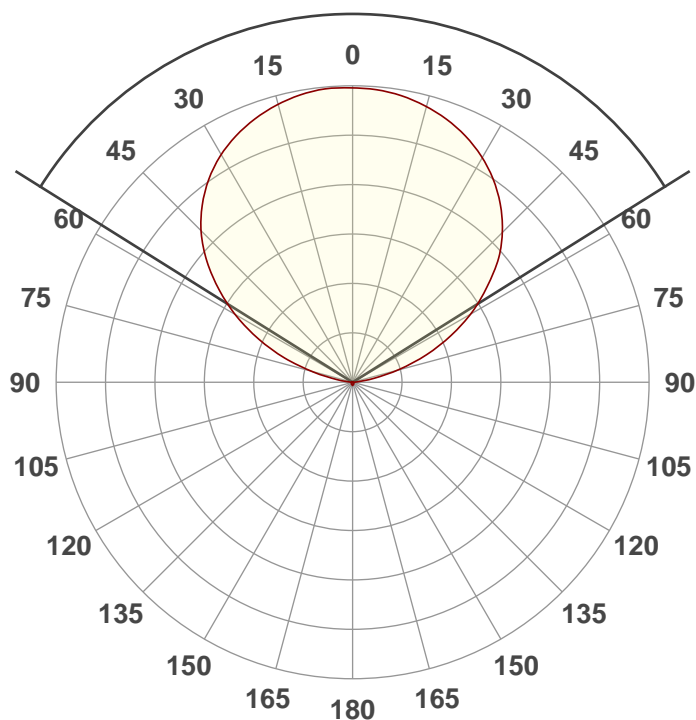
Power: 76.2 W

PF: 0.98



Beam Angle

115.9°



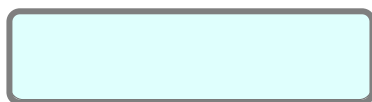
Test:

White

Date:

2/11/2020

Note:



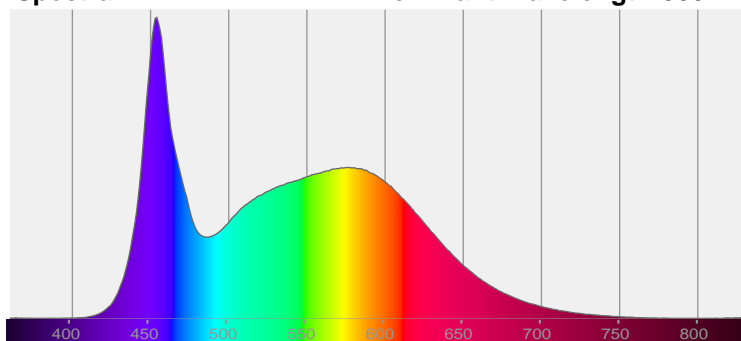
CIE 1931

x: 0.320

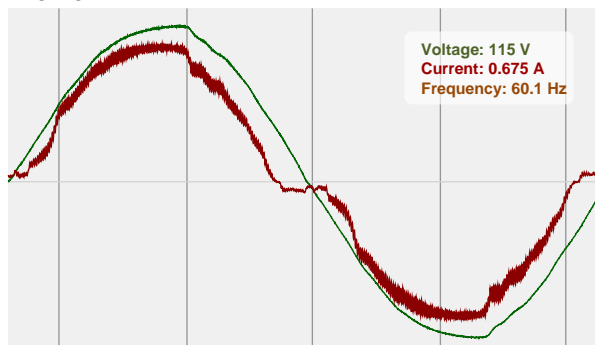
y: 0.335

Spectra

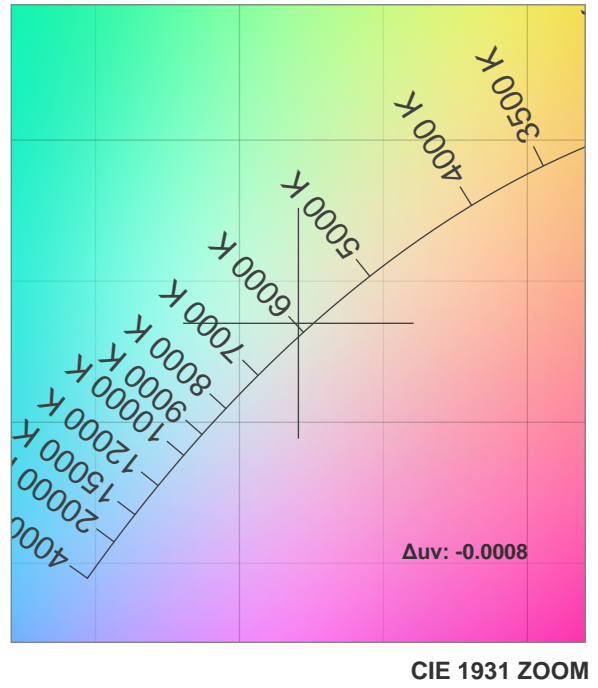
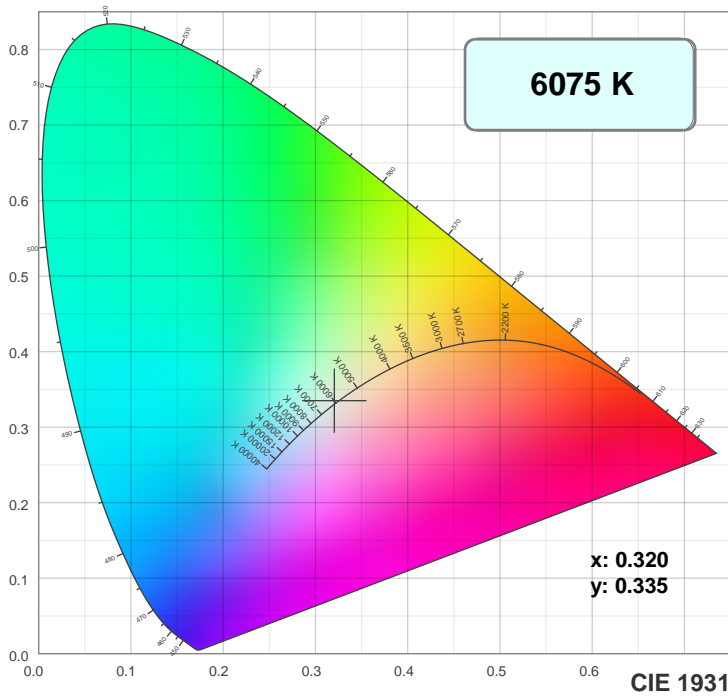
Dominant Wavelength: 580nm



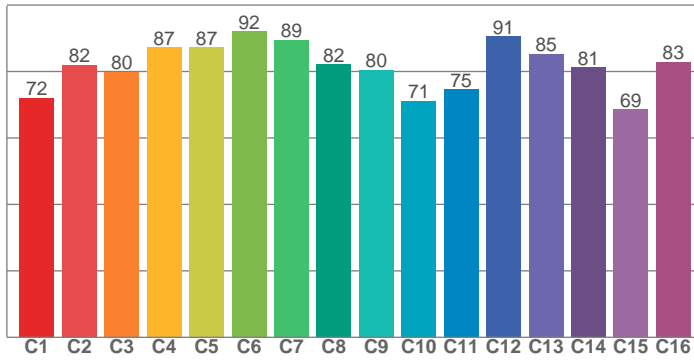
Power



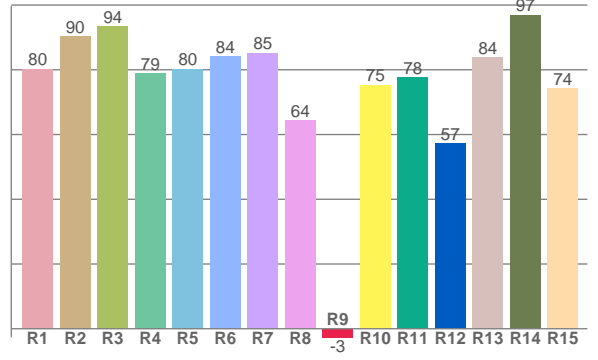
Color Details



TM30: 81.6



CRI: 82.1 (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
80.3	90.3	93.5	78.8	80.3	84.1	85.2	64.4	-2.6	75.3	77.5	57.3	83.8	97.0	74.2

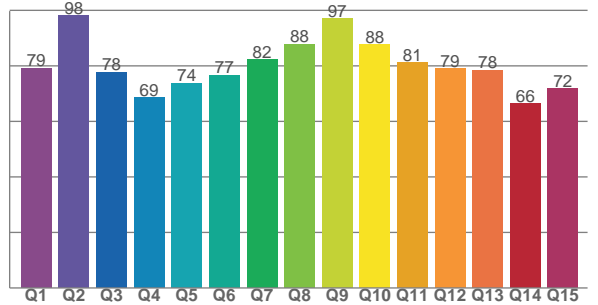
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
72.0	82.0	79.8	87.3	87.3	92.1	89.4	82.1	80.4	71.2	74.7	90.6	85.3	81.2	68.6	82.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
79.2	98.0	77.7	68.6	73.8	76.7	82.2	87.8	97.1	87.5	81.1	79.0	78.4	66.4	71.8

CQS: 78.4



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
6075 K	82.1	-2.6	81.6	92.1	78.4	0.320	0.335	0.201	0.315	-0.0008

The diagram illustrates the beam spread and illuminance of a 100W PAR38 beam light. The light source is a yellow PAR38 bulb with a beam angle of 115.9°. The beam is shown as a gray cone expanding from the bulb. The distance in meters and feet is shown at the top. The beam width in meters and feet is shown at the bottom. The illuminance in Lux* and Foot Candles* is shown at various distances along the beam.

Distance (meter)	Distance (feet)	Beam Width (meter)	Beam Width (feet)	Lux*	Foot Candles*
1	3.3	3.2	10.5	2445 lx	227 fcd
2	6.6	6.4	21.1	611 lx	57 fcd
3	9.8	9.6	31.3	272 lx	25 fcd
4	13.1	12.8	41.8	153 lx	14 fcd
5	16.4	16	52.4	98 lx	9 fcd

*measured at center of beam

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	2445	611	272	153	98	68	50	38	30	24	20	17	14	12	11	10	8	8	7	6
fcd	227.2	56.8	25.2	14.2	9.1	6.3	4.6	3.5	2.8	2.3	1.9	1.6	1.3	1.2	1	0.9	0.8	0.7	0.6	0.6

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2445	2448	2428	2390	2337	2269	2183	2074	1939	1780	1585	1362	1127	875	619	357	147	29	4	3
100%	100%	99%	98%	96%	93%	89%	85%	79%	73%	65%	56%	46%	36%	25%	15%	6%	1%	0%	0%

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2445	2448	2428	2390	2337	2269	2183	2074	1939	1780	1585	1362	1127	875	619	357	147	29	4	3
100%	100%	99%	98%	96%	93%	89%	85%	79%	73%	65%	56%	46%	36%	25%	15%	6%	1%	0%	0%

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2445	2437	2412	2370	2315	2244	2154	2044	1912	1758	1576	1354	1131	885	635	385	170	38	3	3
100%	100%	99%	97%	95%	92%	88%	84%	78%	72%	64%	55%	46%	36%	26%	16%	7%	2%	0%	0%

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2445	2437	2412	2370	2315	2244	2154	2044	1912	1758	1576	1354	1131	885	635	385	170	38	3	3
100%	100%	99%	97%	95%	92%	88%	84%	78%	72%	64%	55%	46%	36%	26%	16%	7%	2%	0%	0%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
115.9°	155.8°	167.4°	80.6%	54.4%