

# Encore LB15IP



Light Efficiency:

23 Lumen/Watt

Light Quality:

CRI: 63.5

Color Temperature:

3272 K

Output: 2981 lm

Peak: 11261 cd

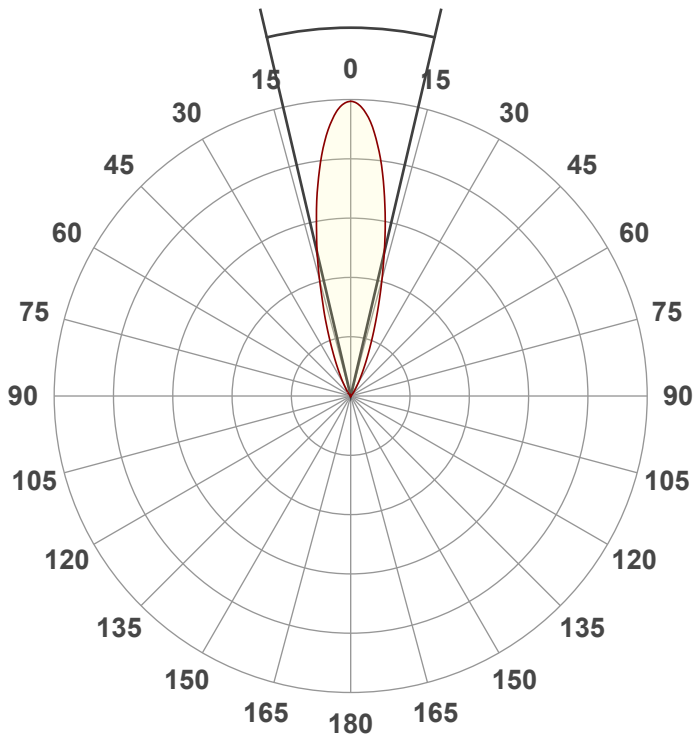
Power: 128.1 W

PF: 0.99



Beam Angle

26.3°



Test:

3200K Diffusion

Date:

9/16/2022

Note:

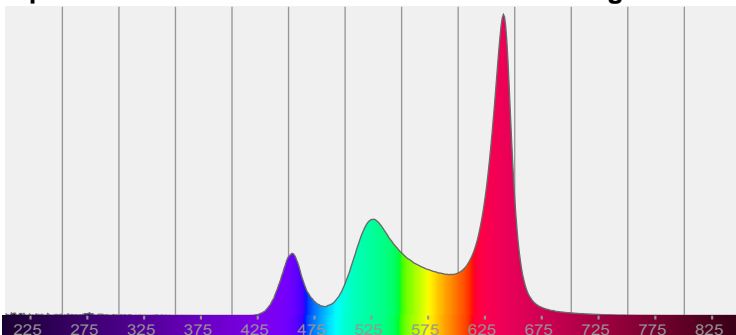
DMX @ 20



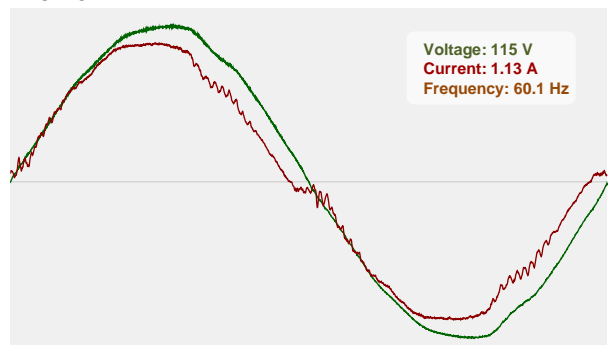
CIE 1931  
x: 0.422  
y: 0.405

Spectra

Dominant Wavelength: 582nm

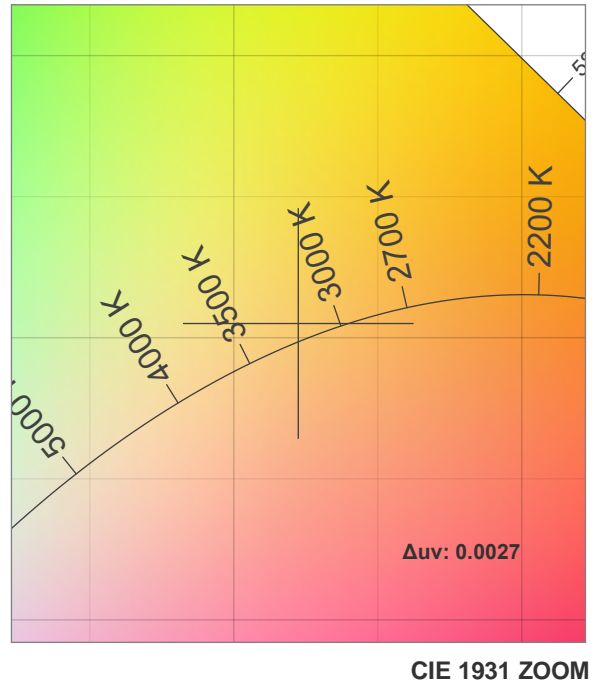
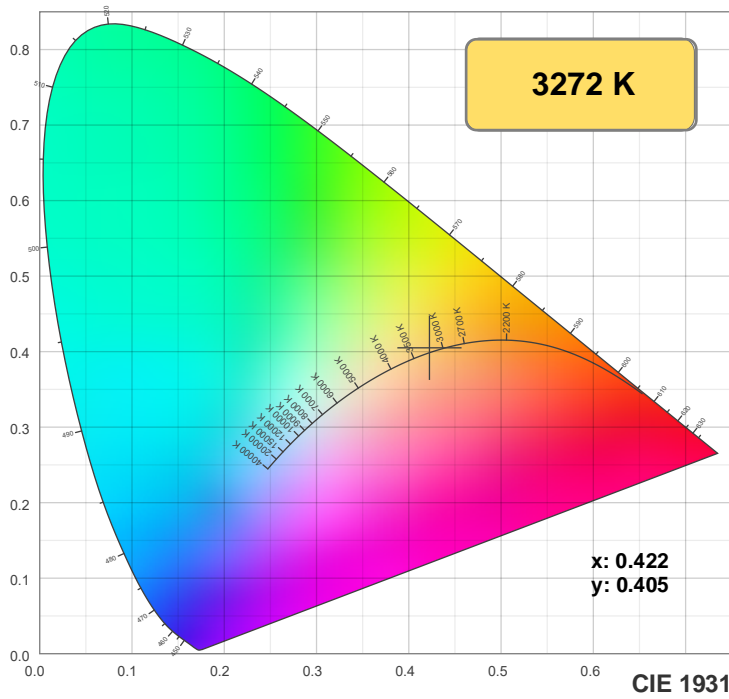


Power

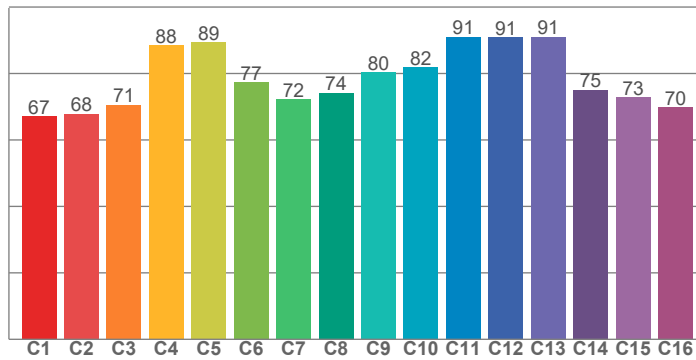


Voltage: 115 V  
Current: 1.13 A  
Frequency: 60.1 Hz

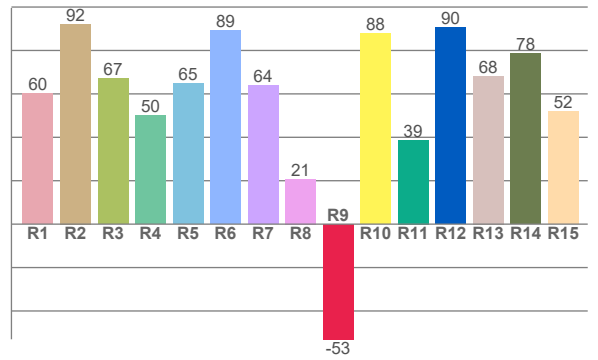
## Color Details



**TM30: 79.1**



**CRI: 63.5 (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
60.1	92.2	67.0	50.1	64.8	89.3	64.0	20.8	-53.0	87.7	38.7	90.4	68.2	78.4	52.0

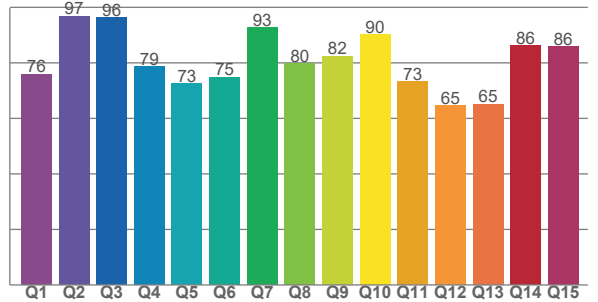
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
67.1	67.8	70.6	88.5	89.4	77.4	72.2	74.1	80.3	81.8	91.0	90.8	91.0	75.1	72.8	69.8

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.0	96.8	96.2	78.6	72.6	74.8	92.7	79.6	82.4	90.1	73.3	64.6	65.1	86.2	85.8

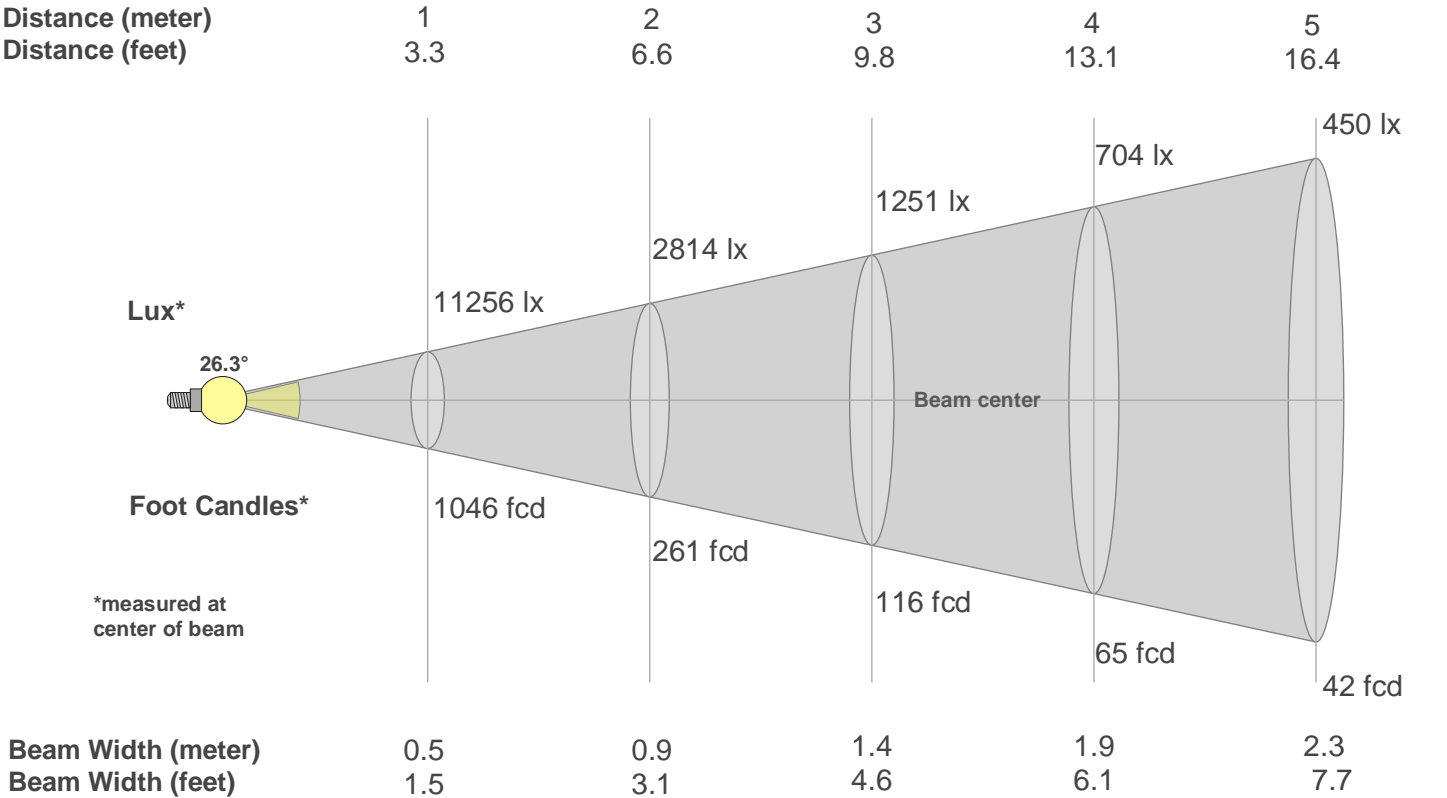
**CQS: 78.4**



## 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	$\Delta uv$
3272 K	63.5	-53.0	79.1	115.5	78.4	0.422	0.405	0.241	0.346	0.0027

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	11256	2814	1251	704	450	313	230	176	139	113	93	78	67	57	50	44	39	35	31	28
fcd	1045.7	261.4	116.2	65.4	41.8	29	21.3	16.3	12.9	10.5	8.6	7.3	6.2	5.3	4.6	4.1	3.6	3.2	2.9	2.6

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°
11.3K	11.1K	10.5K	9.7K	8.6K	7.5K	6.3K	5.2K	4.1K	3.2K	2.4K	1.8K	1.4K	1.0K	0.8K	0.6K	0.4K	0.3K	0.2K	0.2K
100%	98%	93%	86%	77%	67%	56%	46%	36%	28%	22%	16%	12%	9%	7%	5%	4%	3%	2%	2%

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°
11.3K	11.1K	10.5K	9.7K	8.6K	7.5K	6.3K	5.2K	4.1K	3.2K	2.4K	1.8K	1.4K	1.0K	0.8K	0.6K	0.4K	0.3K	0.2K	0.2K
100%	98%	93%	86%	77%	67%	56%	46%	36%	28%	22%	16%	12%	9%	7%	5%	4%	3%	2%	2%

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°
11.3K	11.1K	10.5K	9.7K	8.7K	7.5K	6.3K	5.2K	4.1K	3.2K	2.5K	1.9K	1.4K	1.1K	0.8K	0.6K	0.4K	0.3K	0.2K	0.2K
100%	98%	94%	86%	77%	67%	56%	46%	37%	29%	22%	17%	13%	9%	7%	5%	4%	3%	2%	2%

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°
11.3K	11.1K	10.5K	9.7K	8.7K	7.5K	6.3K	5.2K	4.1K	3.2K	2.5K	1.9K	1.4K	1.1K	0.8K	0.6K	0.4K	0.3K	0.2K	0.2K
100%	98%	94%	86%	77%	67%	56%	46%	37%	29%	22%	17%	13%	9%	7%	5%	4%	3%	2%	2%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
26.3°	50.9°	69.6°	99.8%	98.6%