

Encore Burst 100 IP



Light Efficiency:

66 Lumen/Watt

Light Quality:

CRI: 80.8

Color Temperature:

2727 K

Output: 5822 lm

Peak: 7489 cd

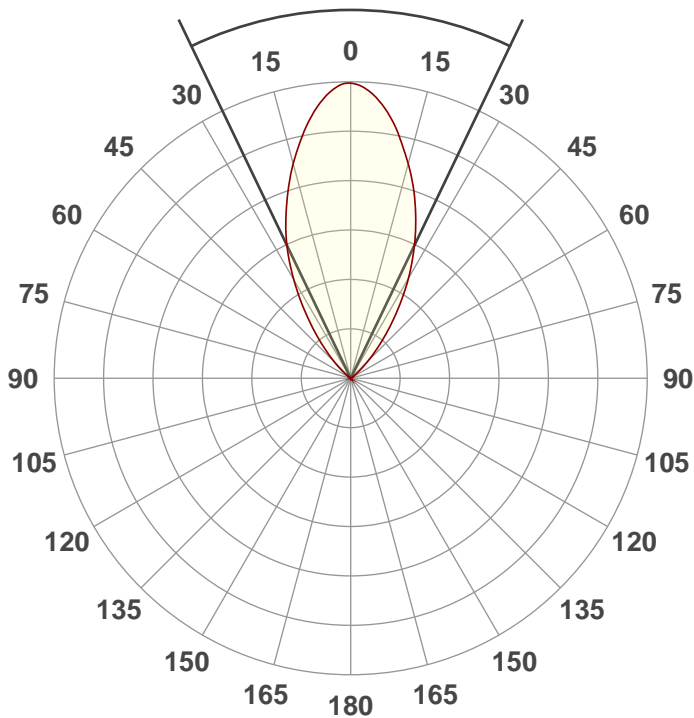
Power: 88.7 W

PF: 0.98



Beam Angle

51.2°



Test:

Date:

9/3/2019

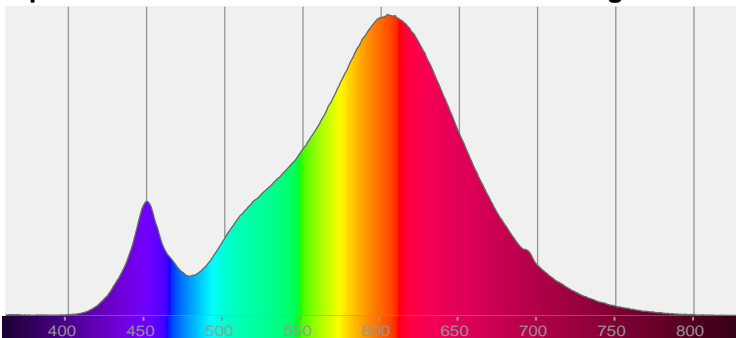
Note:



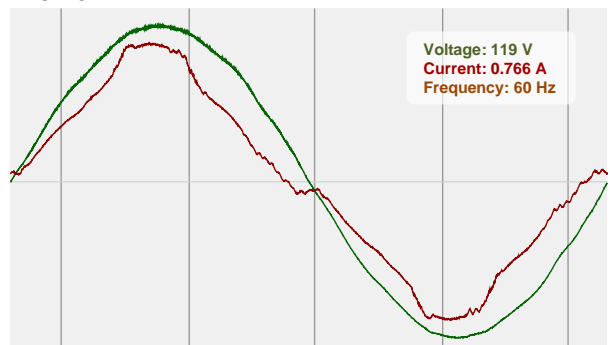
CIE 1931
x: 0.457
y: 0.409

Spectra

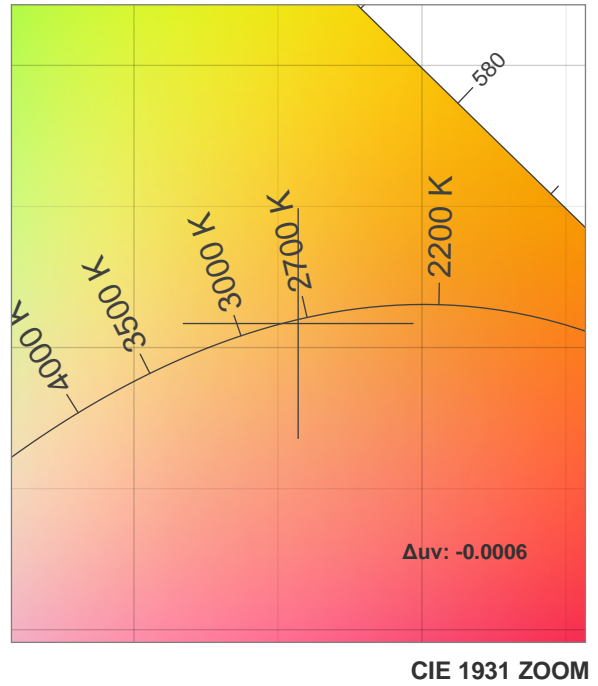
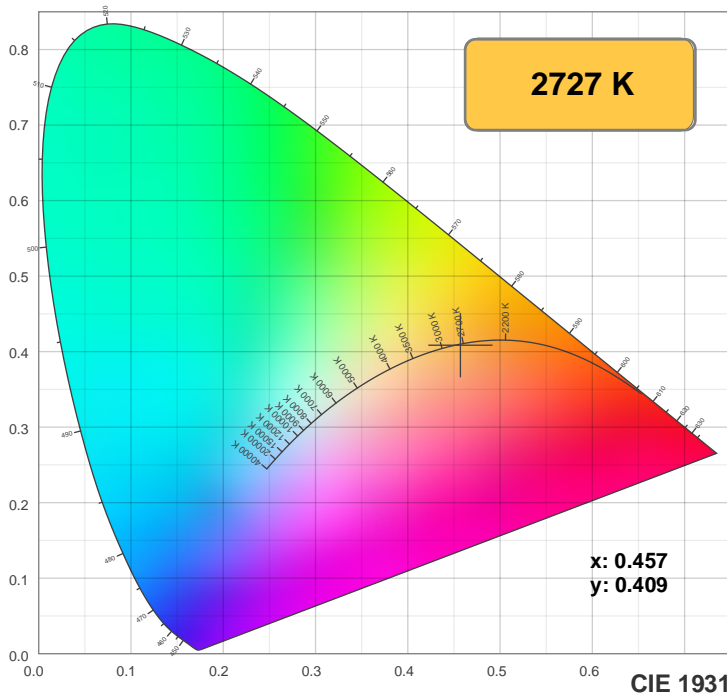
Dominant Wavelength: 585nm



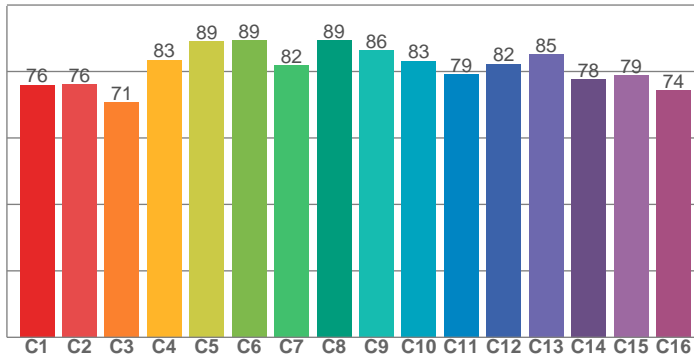
Power



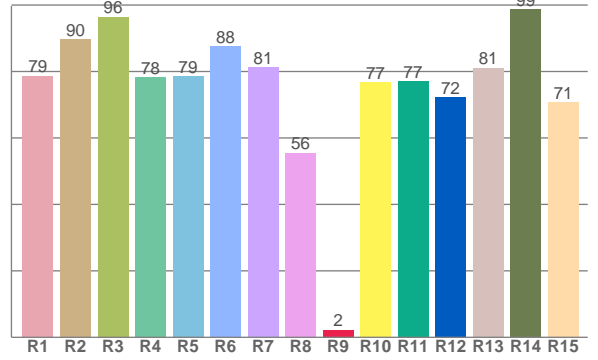
Color Details



TM30: 81.1



CRI: 80.8 (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
78.7	89.6	96.5	78.4	78.6	87.6	81.2	55.5	2.3	76.7	77.1	72.3	81.1	98.6	70.6

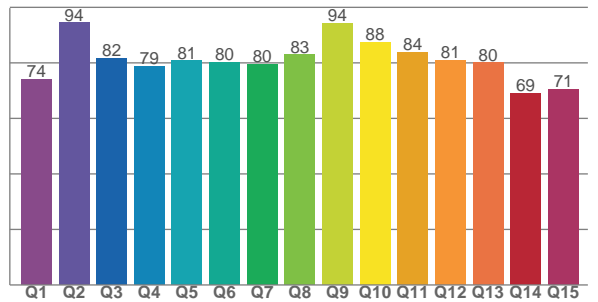
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
75.9	76.1	70.7	83.5	89.1	89.3	81.9	89.3	86.3	83.1	79.2	82.3	85.2	77.7	78.8	74.3

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
74.2	94.4	81.7	78.8	80.9	80.2	79.6	82.9	94.4	87.5	83.8	80.9	80.1	69.2	70.6

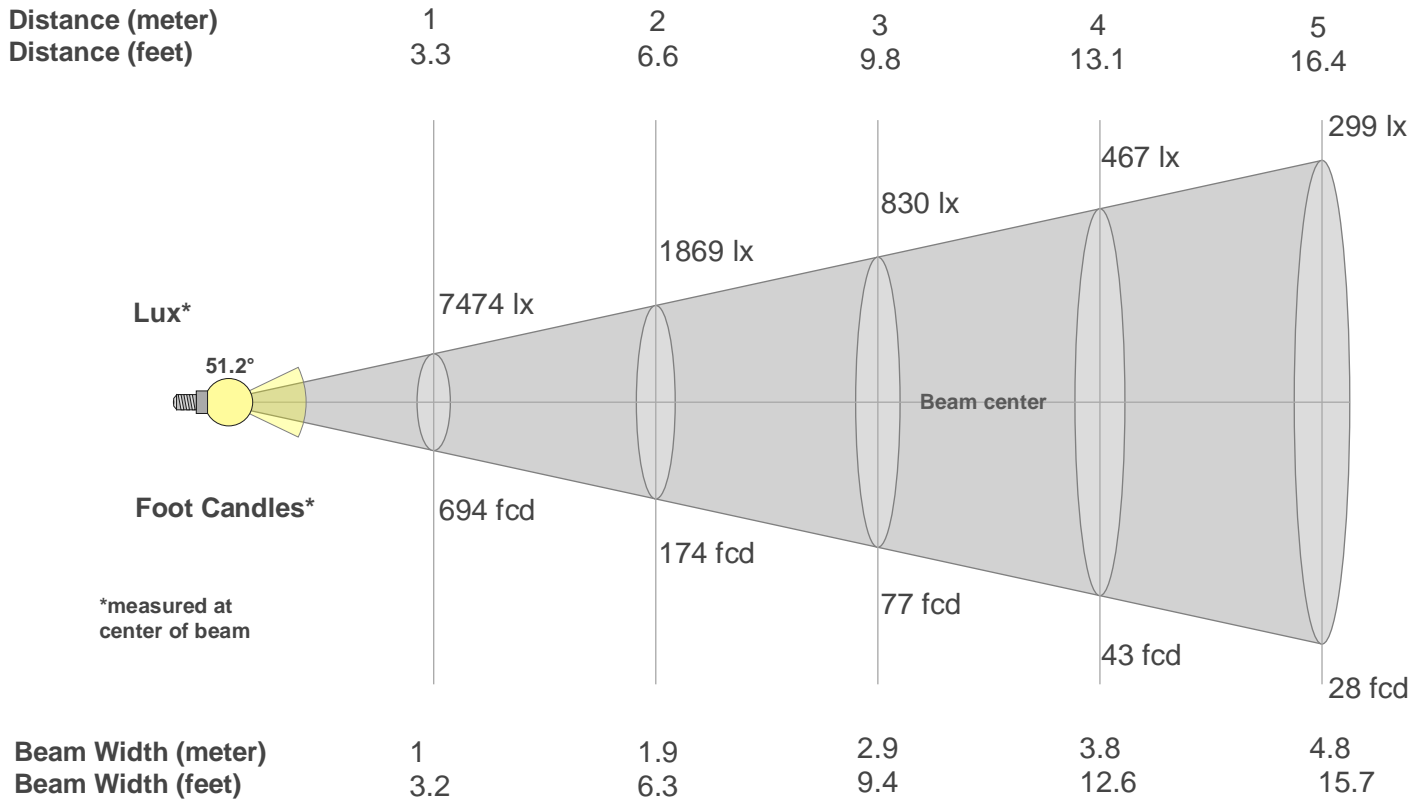
CQS: 79.9



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
2727 K	80.8	2.3	81.1	96.7	79.9	0.457	0.409	0.262	0.351	-0.0006

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	7474	1869	830	467	299	208	153	117	92	75	62	52	44	38	33	29	26	23	21	19
fcd	694.4	173.6	77.2	43.4	27.8	19.3	14.2	10.8	8.6	6.9	5.7	4.8	4.1	3.5	3.1	2.7	2.4	2.1	1.9	1.7

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°
7474	7443	7301	7072	6803	6498	6156	5815	5470	5108	4750	4395	4046	3673	3288	2891	2505	2130	1770	1453
100%	100%	98%	95%	91%	87%	82%	78%	73%	68%	64%	59%	54%	49%	44%	39%	34%	29%	24%	19%

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°
7474	7443	7301	7072	6803	6498	6156	5815	5470	5108	4750	4395	4046	3673	3288	2891	2505	2130	1770	1453
100%	100%	98%	95%	91%	87%	82%	78%	73%	68%	64%	59%	54%	49%	44%	39%	34%	29%	24%	19%

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°
7474	7421	7276	7057	6799	6502	6154	5813	5478	5133	4775	4411	4046	3674	3303	2939	2562	2197	1847	1529
100%	99%	97%	94%	91%	87%	82%	78%	73%	69%	64%	59%	54%	49%	44%	39%	34%	29%	25%	20%

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°
7474	7421	7276	7057	6799	6502	6154	5813	5478	5133	4775	4411	4046	3674	3303	2939	2562	2197	1847	1529
100%	99%	97%	94%	91%	87%	82%	78%	73%	69%	64%	59%	54%	49%	44%	39%	34%	29%	25%	20%

Beam Angle 50%	Field Angle 10%	Cutoff Angle 2,5%	Intensity Ratio in 120° Cone	Intensity Ratio in 90° Cone
51.2°	87.2°	102.3°	99.5%	95.4%