

Light efficiency:

71 Lumen/Watt

Light quality:

CRI: 80.8

Color temperature:

2927 K

Output: 3723 lm

Peak: 7340 cd

Power: 52.3 W

PF: 0.99

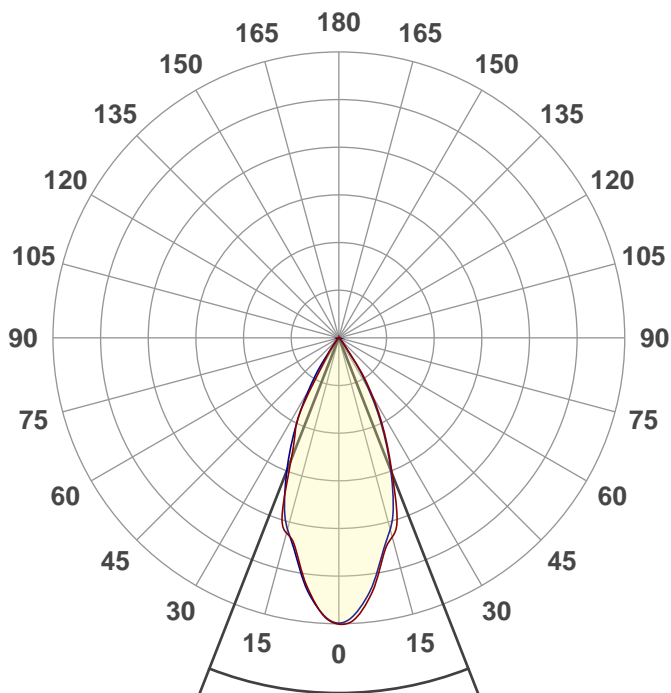


Product name:

E680-4-XTM19-50LM-30K-83-CAD40-DIM10-WH-RP

Date and time:

7/2/2019 3:29:29 PM



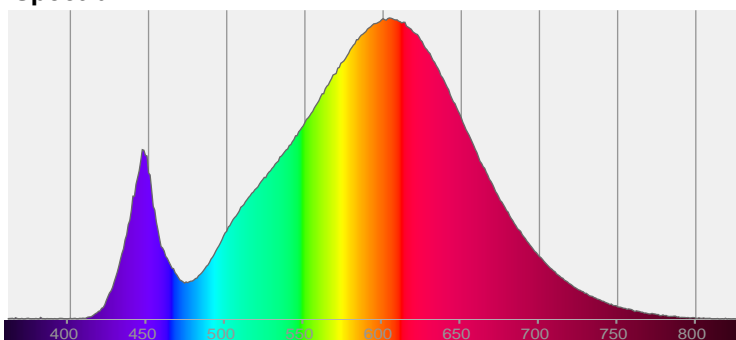
Beam angle

42.8°

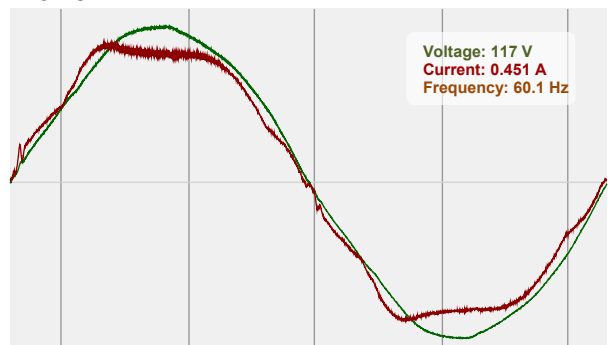


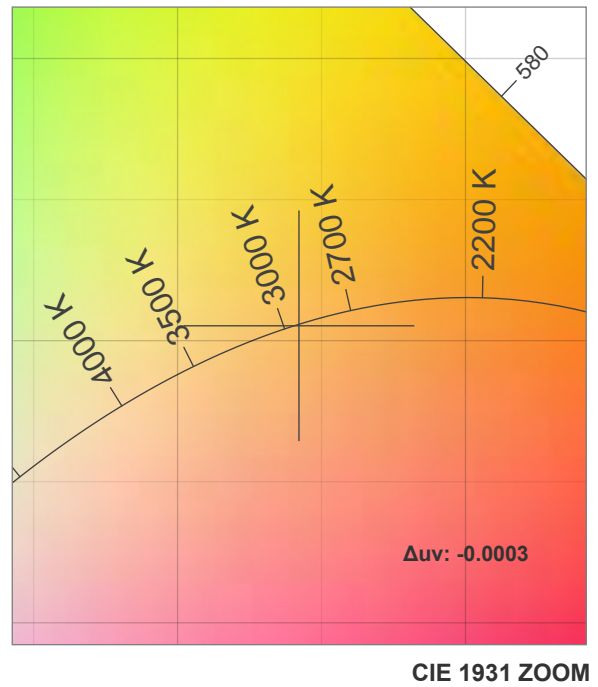
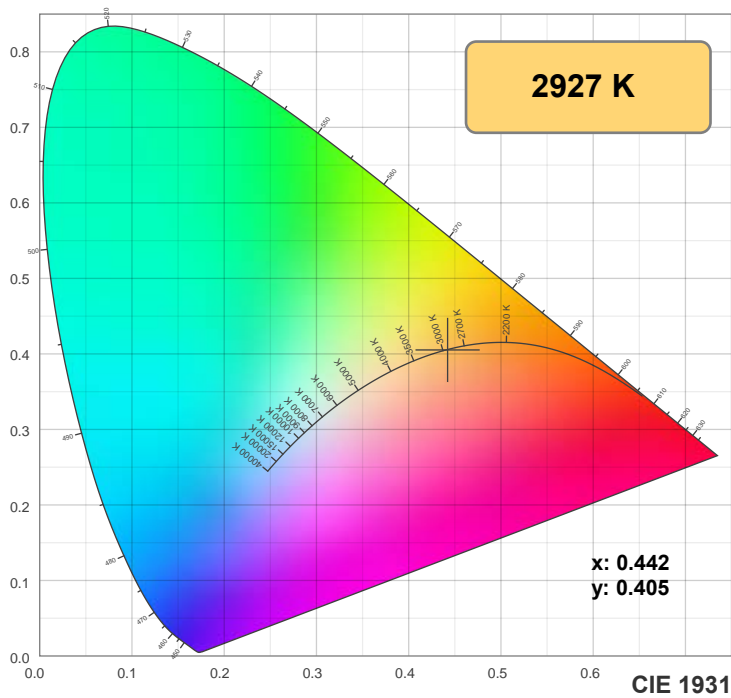
CIE 1931
x: 0.442
y: 0.405

Spectra

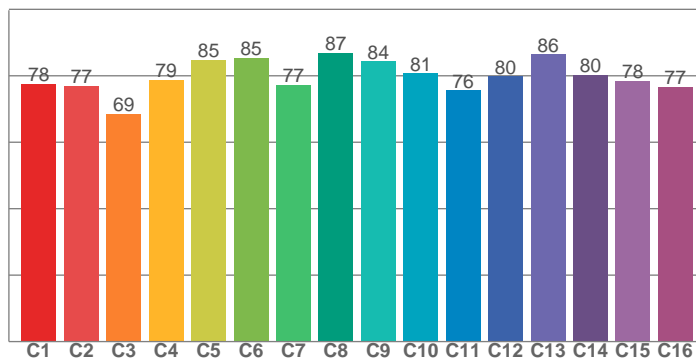


Power

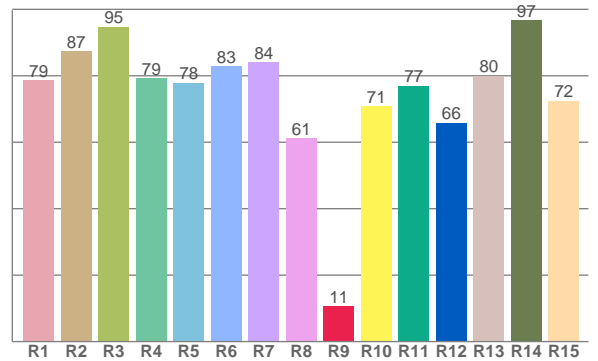




TM30: 79.6



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
78.6	87.3	94.7	79.2	77.9	82.9	84.2	61.3	10.6	70.8	77.0	65.8	80.1	96.8	72.5

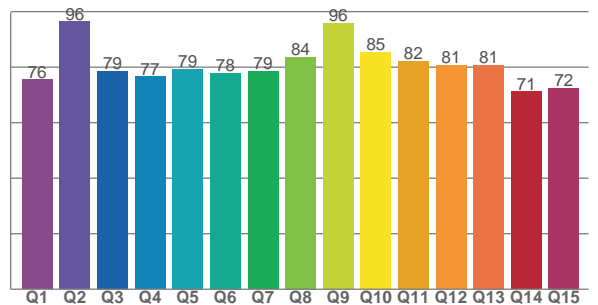
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.6	76.9	68.6	78.8	84.8	85.4	77.2	86.9	84.3	80.7	75.6	79.8	86.4	80.2	78.4	76.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.5	96.5	78.7	76.7	79.3	77.8	78.5	83.6	95.8	85.5	82.2	80.7	80.8	71.2	72.5

CQS: 79.7



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
2927 K	80.8	10.6	79.6	98.5	79.7	0.442	0.405	0.253	0.348	-0.0003

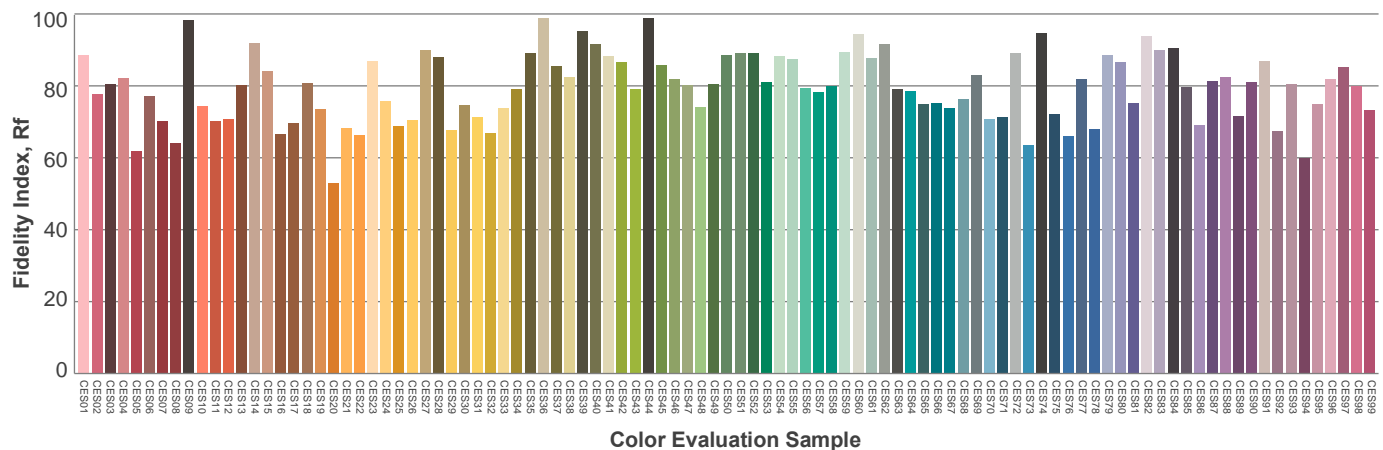
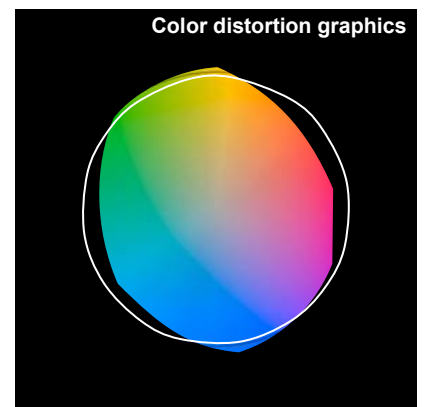
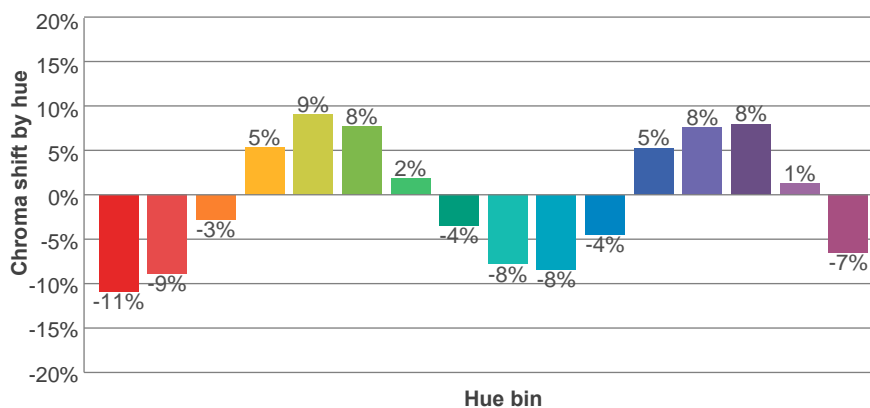
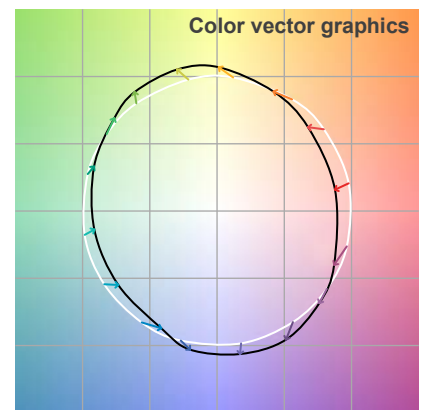
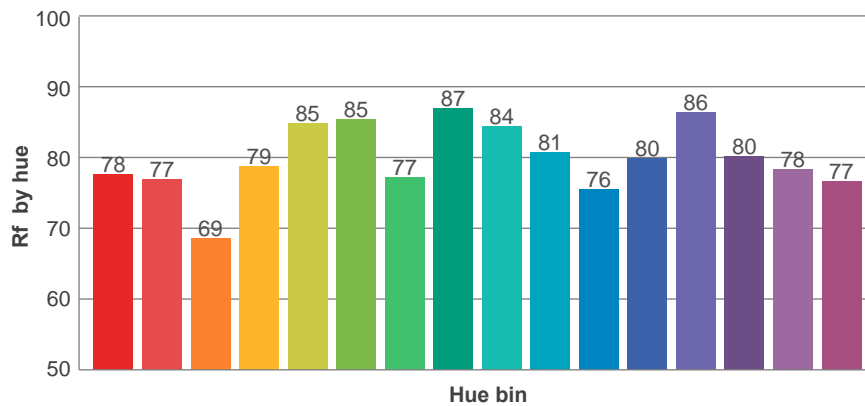
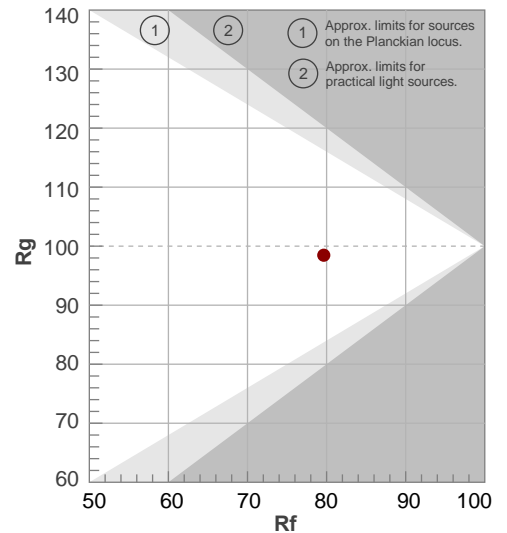
Rf 79.6

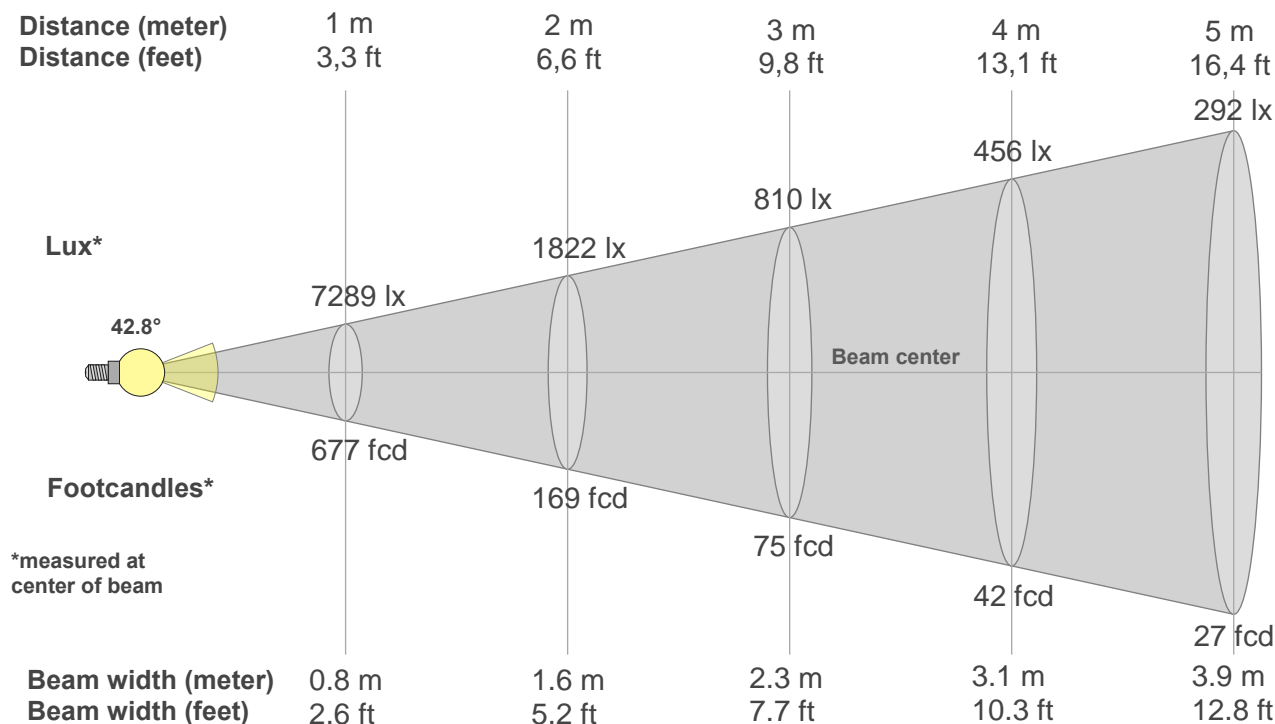
Fidelity index Rf

Rg 98.5

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-3%
2	77	-9%	8%
3	69	-3%	15%
4	79	5%	12%
5	85	9%	7%
6	85	8%	-4%
7	77	2%	-13%
8	87	-4%	-6%
9	84	-8%	-2%
10	81	-8%	6%
11	76	-4%	15%
12	80	5%	8%
13	86	8%	-2%
14	80	8%	-11%
15	78	1%	-12%
16	77	-7%	-15%





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
7289lx	1822lx	810lx	456lx	292lx	202lx	149lx	114lx	90lx	73lx	60lx	51lx	43lx	37lx	32lx	28lx	25lx	22lx	20lx	18lx
677.2fcd	169.3fcd	75.2fcd	42.3fcd	27.1fcd	18.8fcd	13.8fcd	10.6fcd	8.4fcd	6.8fcd	5.6fcd	4.7fcd	4fcd	3.5fcd	3fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd	1.7fcd

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°
7289	7326	7121	6832	6510	6092	5674	5398	5168	4836	4229	3621	3119	2646	2186	1753	1321	911	506	204
100%	101%	98%	94%	89%	84%	78%	74%	71%	66%	58%	50%	43%	36%	30%	24%	18%	12%	7%	3%

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°
7289	7276	7007	6727	6387	5979	5571	5251	4932	4525	4026	3527	3032	2537	2060	1602	1145	783	420	209
100%	100%	96%	92%	88%	82%	76%	72%	68%	62%	55%	48%	42%	35%	28%	22%	16%	11%	6%	3%

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°
7289	7267	7007	6679	6328	5919	5509	5260	5053	4690	3967	3244	2814	2455	2006	1369	733	473	291	152
100%	100%	96%	92%	87%	81%	76%	72%	69%	64%	54%	45%	39%	34%	28%	19%	10%	6%	4%	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°
7289	7276	7007	6727	6387	5979	5571	5251	4932	4525	4026	3527	3032	2537	2060	1602	1145	783	420	209
100%	100%	96%	92%	88%	82%	76%	72%	68%	62%	55%	48%	42%	35%	28%	22%	16%	11%	6%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
42.8°	67.4°	76.3°	99.7%	99.3%