

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 80.7

Color temperature:

2920 K

Output: 3606 lm

Peak: 6026 cd

Power: 52.2 W

PF: 0.99

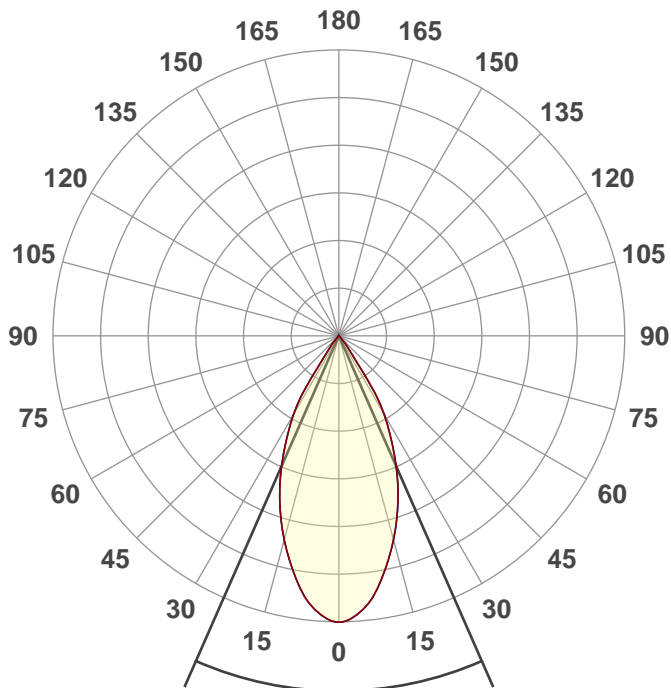


Product name:

E680-4-XTM19-50LM-30K-83-MD50-DIM10-WH-RP

Date and time:

7/2/2019 12:38:23 PM



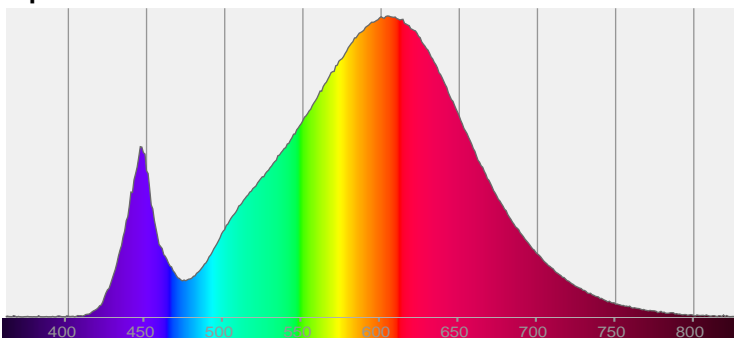
Beam angle

47.5°

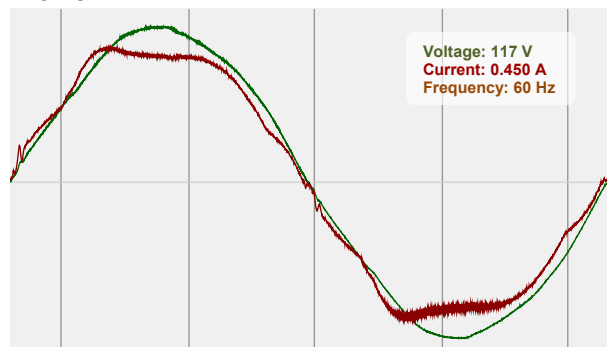


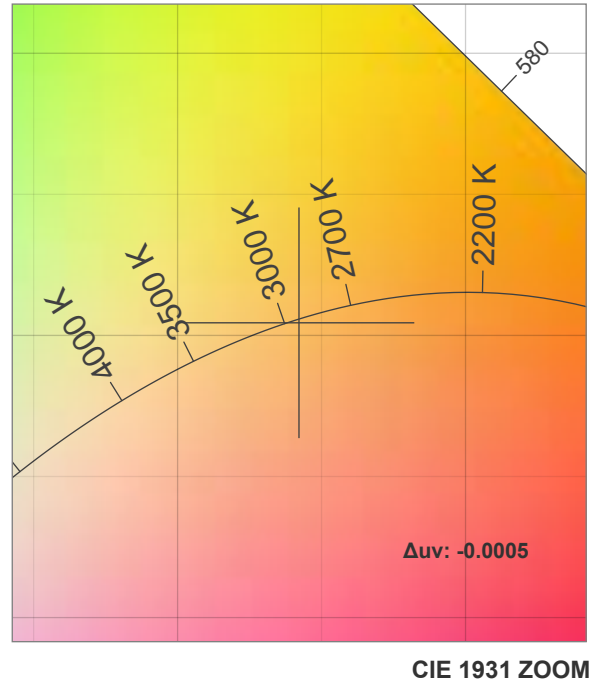
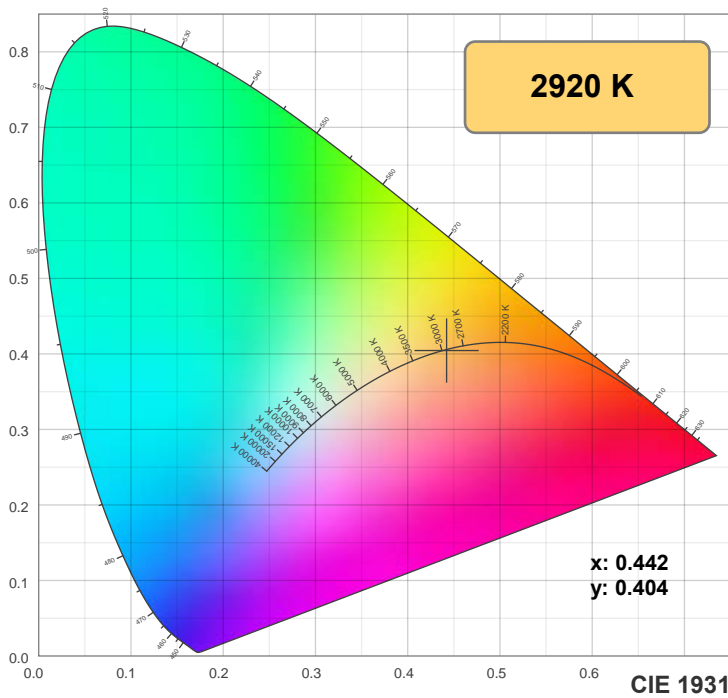
CIE 1931
x: 0.442
y: 0.404

Spectra

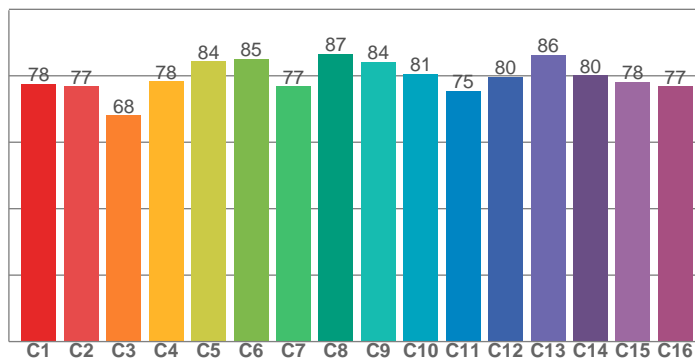


Power

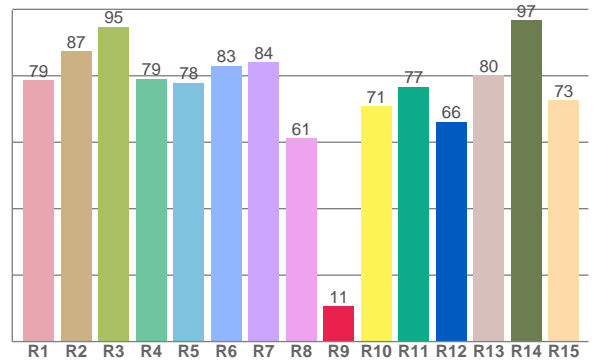




TM30: 79.4



CRI: 80.7 (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	87.4	94.7	79.1	77.9	83.0	84.0	61.2	10.7	70.8	76.7	66.1	80.1	96.8	72.6

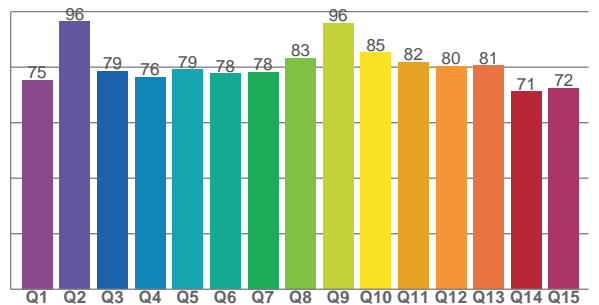
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.6	76.8	68.1	78.3	84.4	85.1	76.8	86.6	84.2	80.6	75.5	79.6	86.3	80.2	78.2	76.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.3	96.4	78.5	76.5	79.1	77.6	78.2	83.3	95.8	85.3	81.9	80.4	80.6	71.2	72.4

CQS: 79.5



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
2920 K	80.7	10.7	79.4	98.6	79.5	0.442	0.404	0.254	0.348	-0.0005

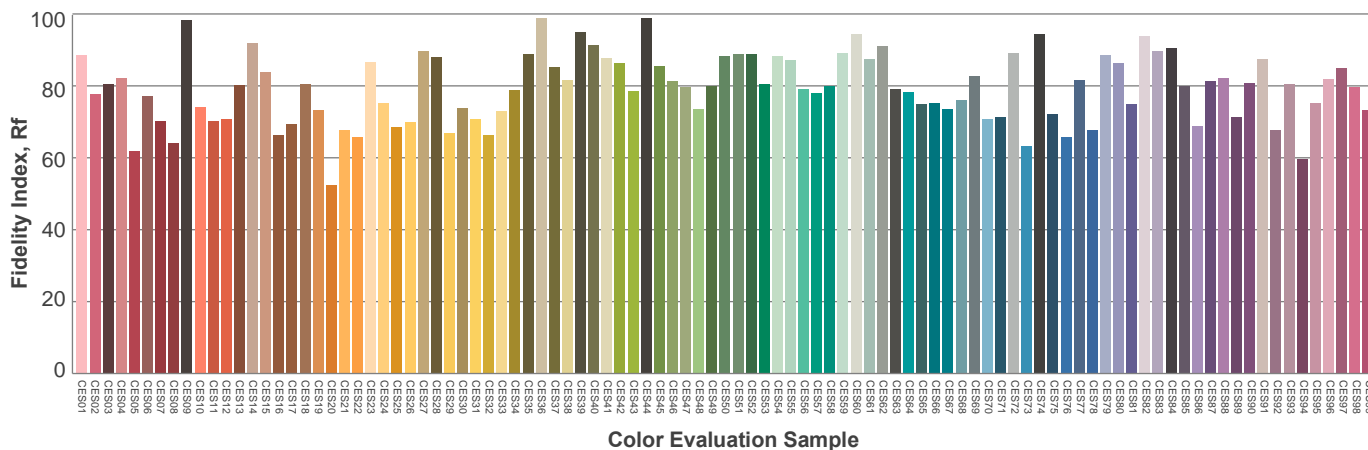
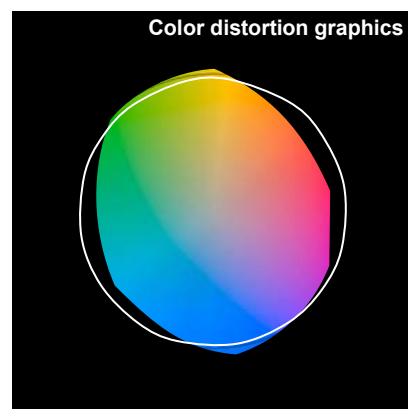
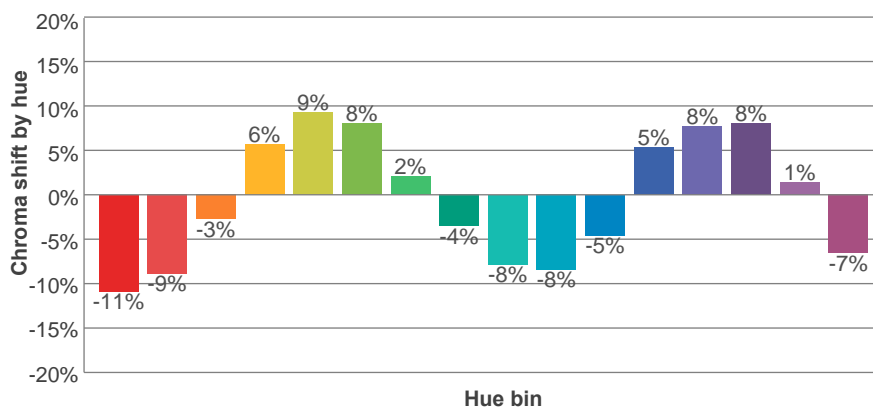
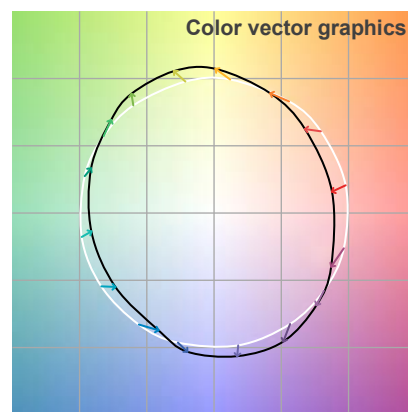
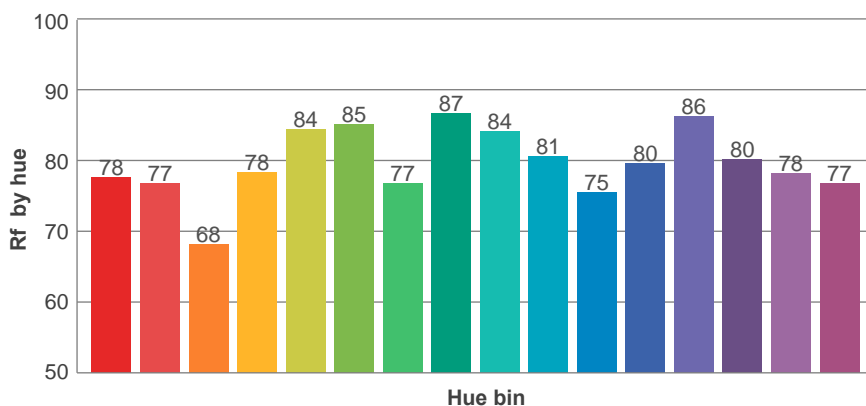
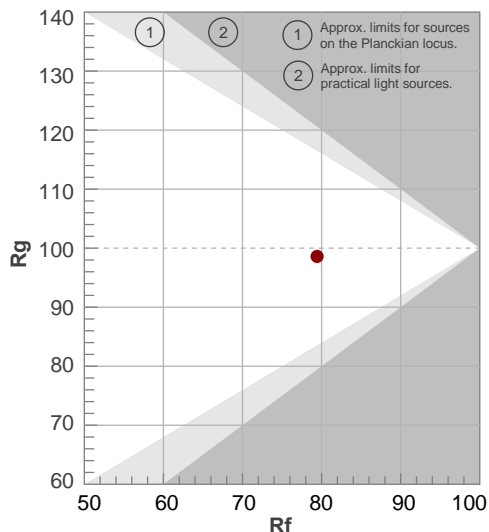
Rf 79.4

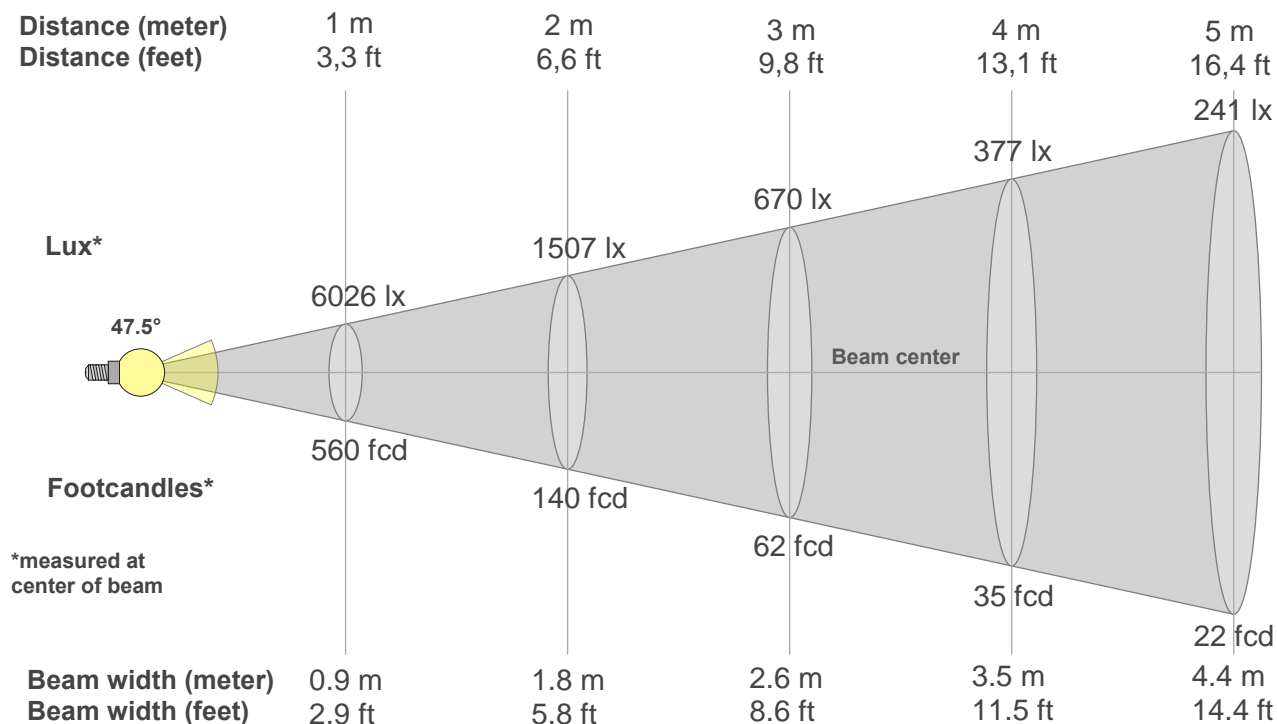
Fidelity index Rf

Rg 98.6

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	78	-11%	-3%
2	77	-9%	8%
3	68	-3%	15%
4	78	6%	12%
5	84	9%	7%
6	85	8%	-4%
7	77	2%	-13%
8	87	-4%	-7%
9	84	-8%	-3%
10	81	-8%	6%
11	75	-5%	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
6026lx	1507lx	670lx	377lx	241lx	167lx	123lx	94lx	74lx	60lx	50lx	42lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
559.9fcd	140fcd	62.2fcd	35fcd	22.4fcd	15.6fcd	11.4fcd	8.7fcd	6.9fcd	5.6fcd	4.6fcd	3.9fcd	3.3fcd	2.9fcd	2.5fcd	2.2fcd	1.9fcd	1.7fcd	1.6fcd	1.4fcd

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°
6026	6024	5869	5714	5492	5212	4931	4623	4315	3993	3660	3324	2964	2604	2243	1880	1498	1007	515	281
100%	100%	97%	95%	91%	86%	82%	77%	72%	66%	61%	55%	49%	43%	37%	31%	25%	17%	9%	5%

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°
6026	6024	5869	5714	5492	5212	4931	4623	4315	3993	3660	3324	2964	2604	2243	1880	1498	1007	515	281
100%	100%	97%	95%	91%	86%	82%	77%	72%	66%	61%	55%	49%	43%	37%	31%	25%	17%	9%	5%

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°
6026	6024	5869	5714	5492	5212	4931	4623	4315	3993	3660	3324	2964	2604	2243	1880	1498	1007	515	281
100%	100%	97%	95%	91%	86%	82%	77%	72%	66%	61%	55%	49%	43%	37%	31%	25%	17%	9%	5%

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°
6026	6024	5869	5714	5492	5212	4931	4623	4315	3993	3660	3324	2964	2604	2243	1880	1498	1007	515	281
100%	100%	97%	95%	91%	86%	82%	77%	72%	66%	61%	55%	49%	43%	37%	31%	25%	17%	9%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.5°	71.3°	80.7°	99.6%	99.1%