

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 80.8

Color temperature:

2913 K

Output: 3643 lm

Peak: 6222 cd

Power: 53.0 W

PF: 0.99

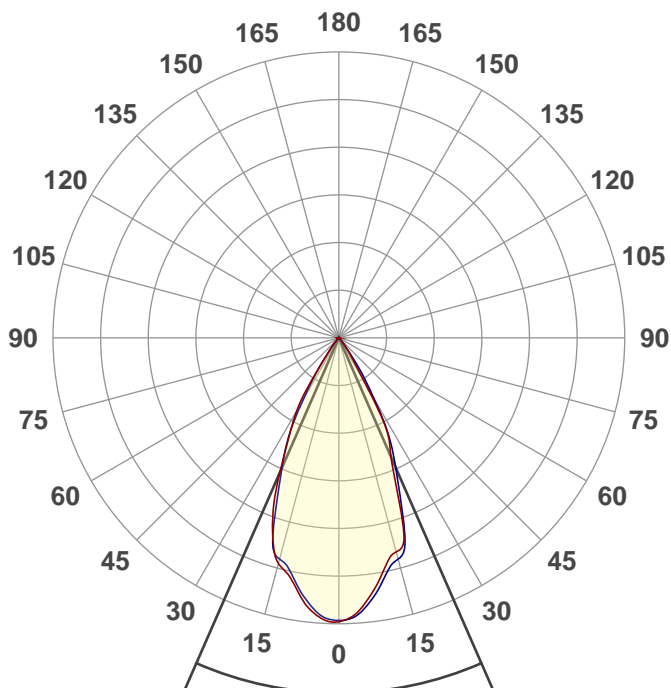


Product name:

E680-4-XTM19-50LM-30K-83-CAD50-DIM10-WH-RP

Date and time:

7/2/2019 10:28:49 AM



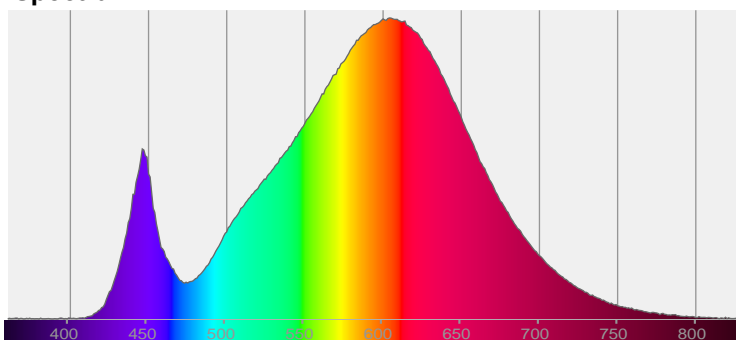
Beam angle

47.3°

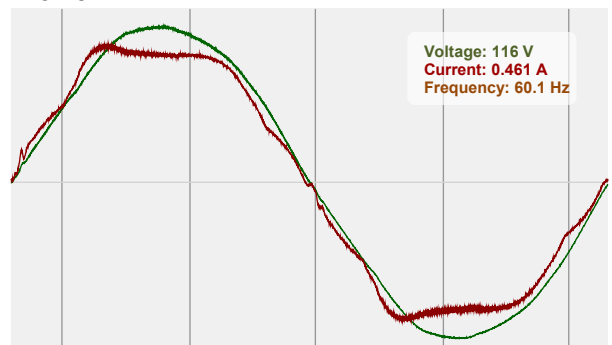


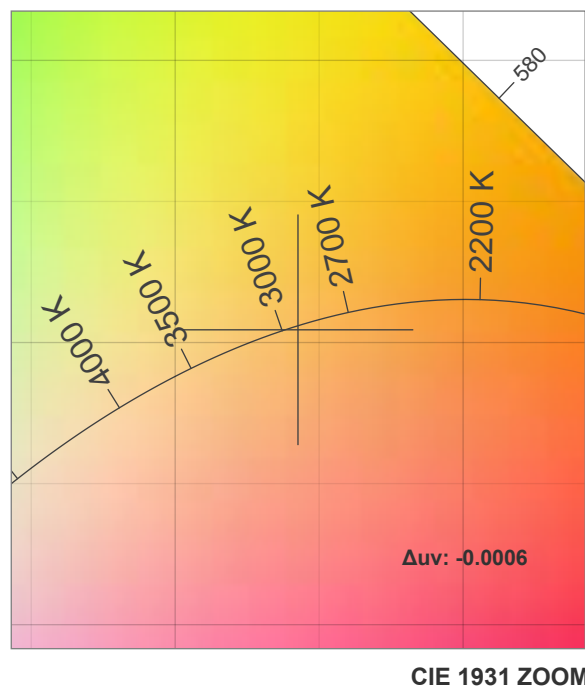
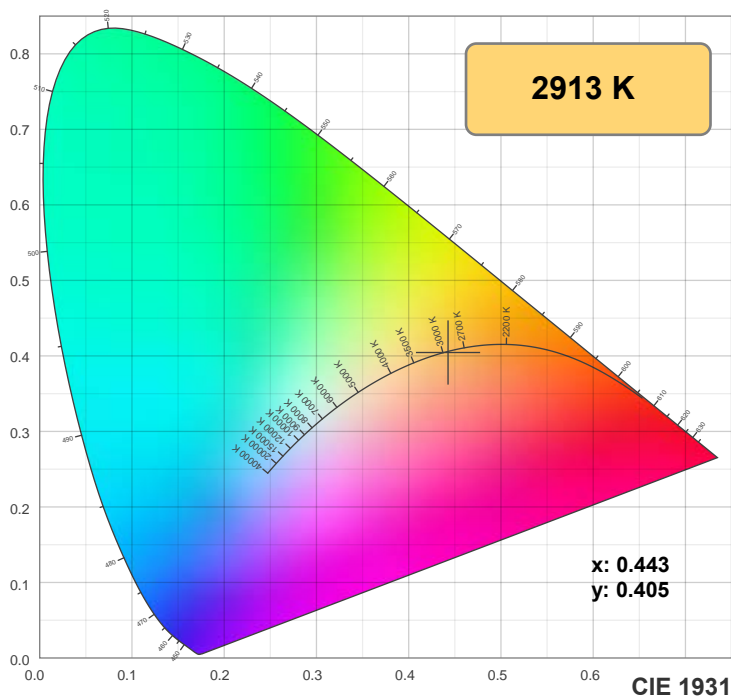
CIE 1931
x: 0.443
y: 0.405

Spectra

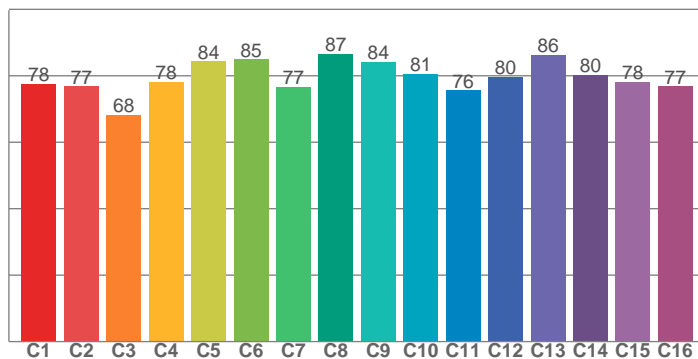


Power

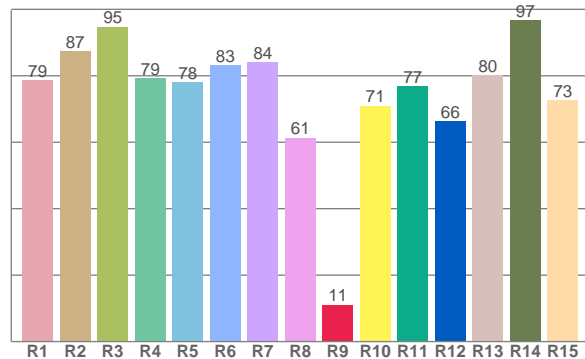




TM30: 79.4



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	87.4	94.8	79.2	78.0	83.1	84.1	61.3	11.1	71.0	76.9	66.3	80.2	96.8	72.7

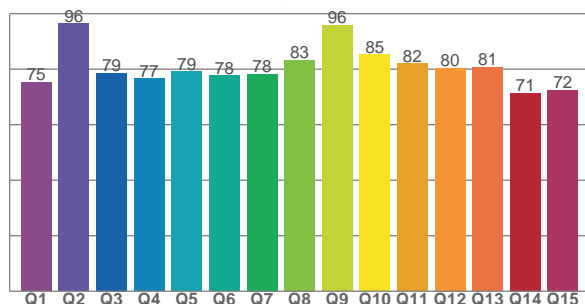
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77.6	76.8	68.2	78.2	84.3	85.0	76.7	86.6	84.2	80.6	75.6	79.7	86.3	80.2	78.2	76.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
75.3	96.4	78.6	76.6	79.2	77.7	78.2	83.3	95.8	85.3	82.0	80.4	80.7	71.3	72.5

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
2913 K	80.8	11.1	79.4	98.7	79.5	0.443	0.405	0.254	0.348	-0.0006

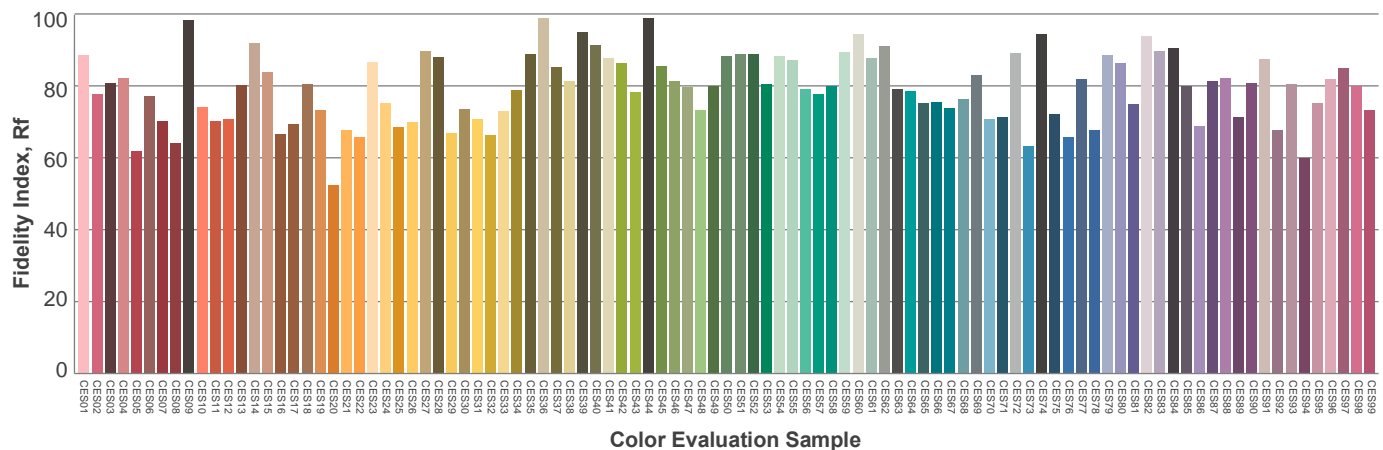
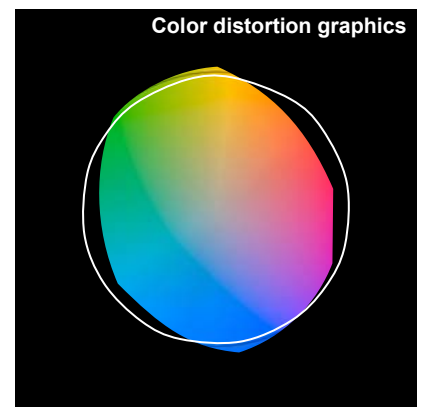
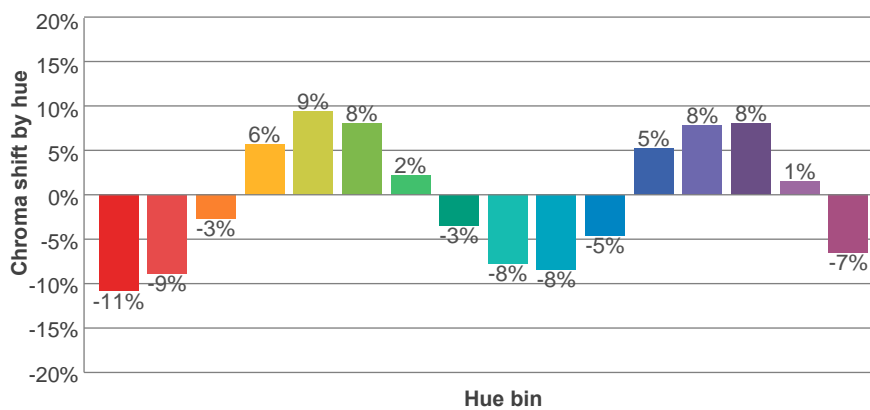
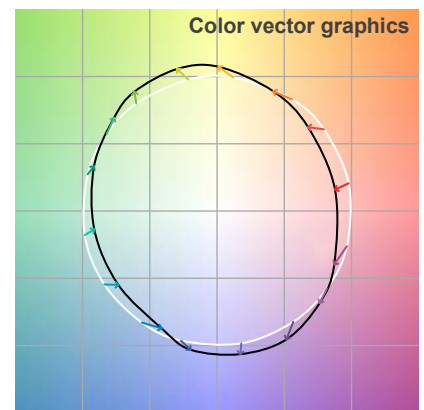
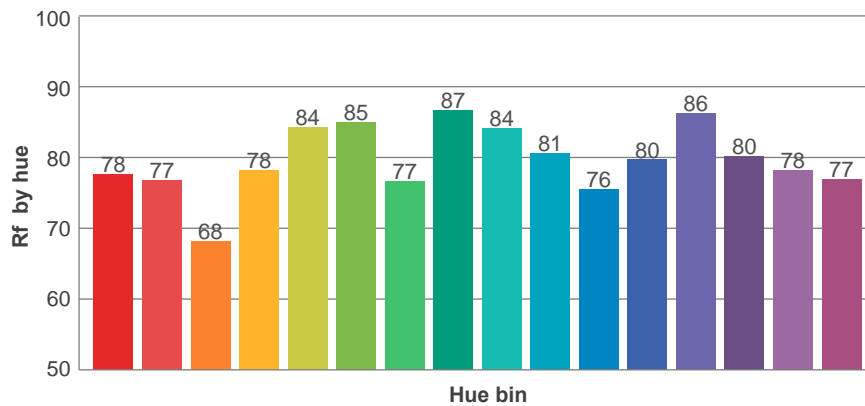
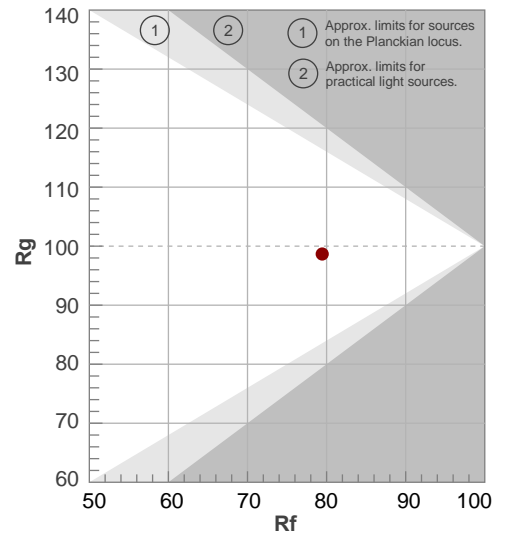
Rf 79.4

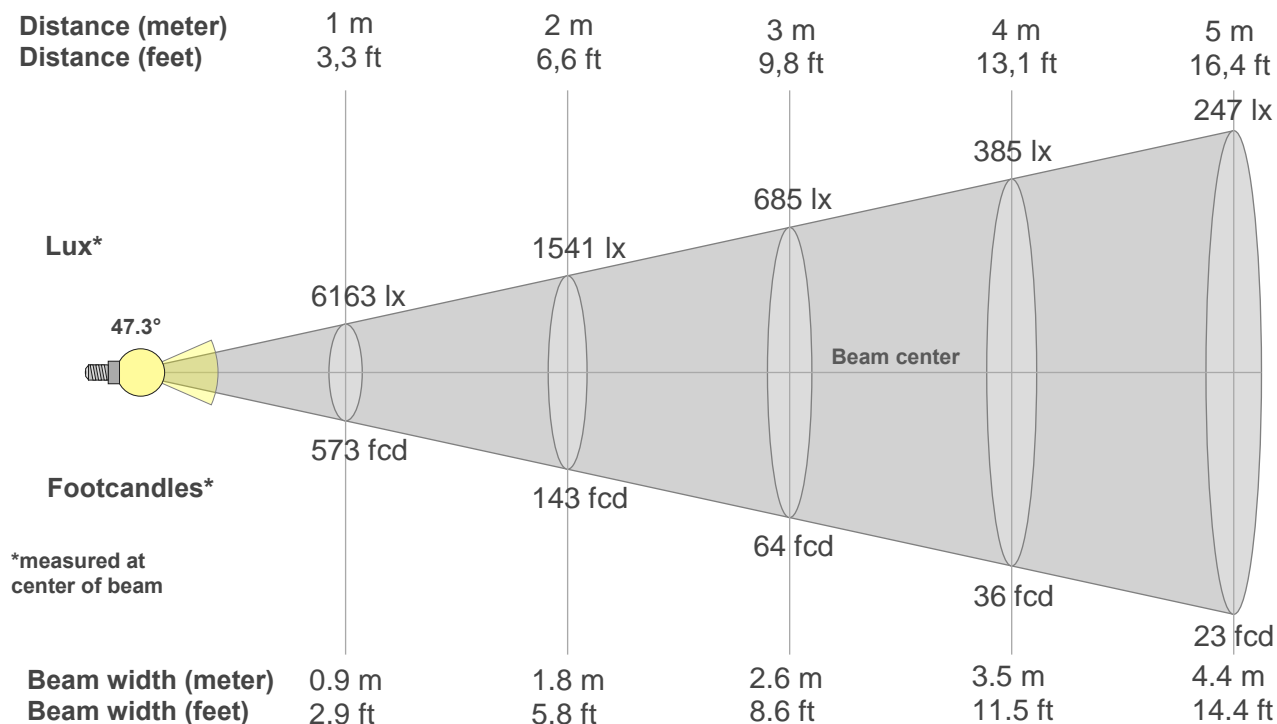
Fidelity index Rf

Rg 98.7

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	-3%	-7%
9	84	-8%	-3%
10	81	-8%	6%
11	76	-5%	14%
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
6163lx	1541lx	685lx	385lx	247lx	171lx	126lx	96lx	76lx	62lx	51lx	43lx	36lx	31lx	27lx	24lx	21lx	19lx	17lx	15lx
572.5fcd	143.1fcd	63.6fcd	35.8fcd	22.9fcd	15.9fcd	11.7fcd	8.9fcd	7.1fcd	5.7fcd	4.7fcd	4fcd	3.4fcd	2.9fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	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°
6163	6112	5993	5776	5560	5315	5069	4876	4746	4614	3951	3289	2803	2466	2102	1457	812	464	292	141
100%	99%	97%	94%	90%	86%	82%	79%	77%	75%	64%	53%	45%	40%	34%	24%	13%	8%	5%	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°
6163	6137	6037	5863	5682	5446	5210	5036	4894	4664	4085	3505	3037	2608	2155	1639	1124	769	448	215
100%	100%	98%	95%	92%	88%	85%	82%	79%	76%	66%	57%	49%	42%	35%	27%	18%	12%	7%	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°
6163	6203	6086	5970	5768	5530	5311	5150	4988	4622	4200	3732	3168	2605	2199	1818	1391	897	403	266
100%	101%	99%	97%	94%	90%	86%	84%	81%	75%	68%	61%	51%	42%	36%	29%	23%	15%	7%	4%

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°
6163	6137	6037	5863	5682	5446	5210	5036	4894	4664	4085	3505	3037	2608	2155	1639	1124	769	448	215
100%	100%	98%	95%	92%	88%	85%	82%	79%	76%	66%	57%	49%	42%	35%	27%	18%	12%	7%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
47.3°	69.1°	78.3°	99.5%	98.9%