

Light efficiency:

83 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3081 K

Output: 2792 lm

Peak: 6183 cd

Power: 33.8 W

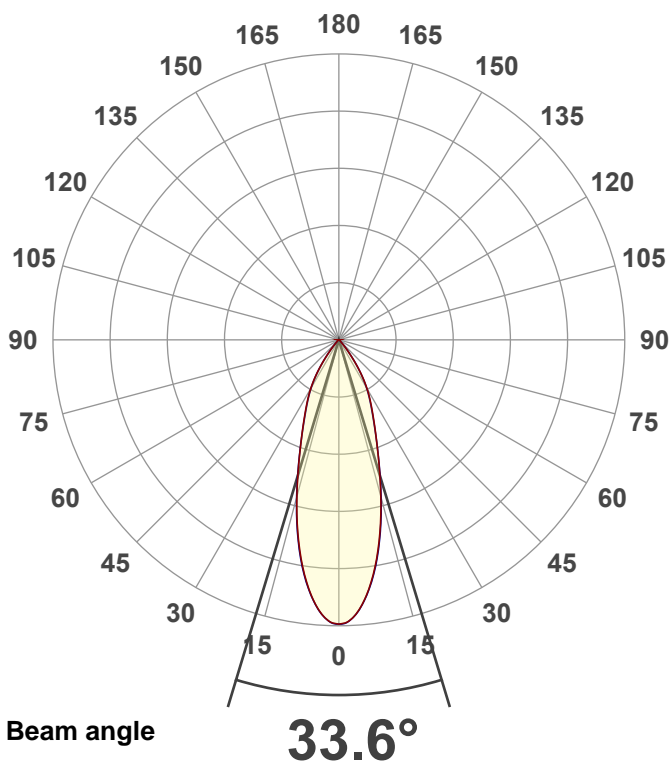
PF: 0.98



NU4-RD-TW-30LM-2750-80-35D-SBL-WH-WH

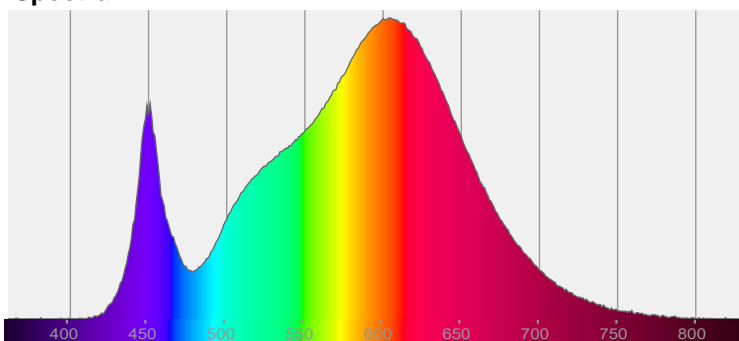
Date and time:

4/3/2023 11:08:47 AM

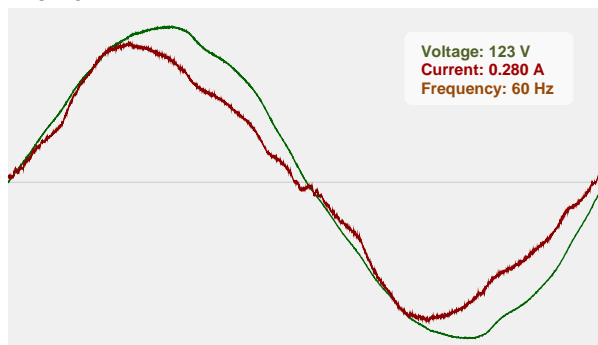


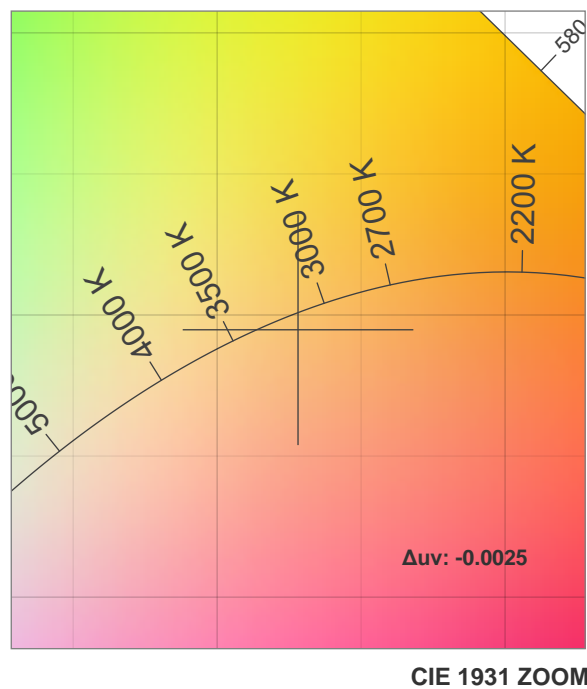
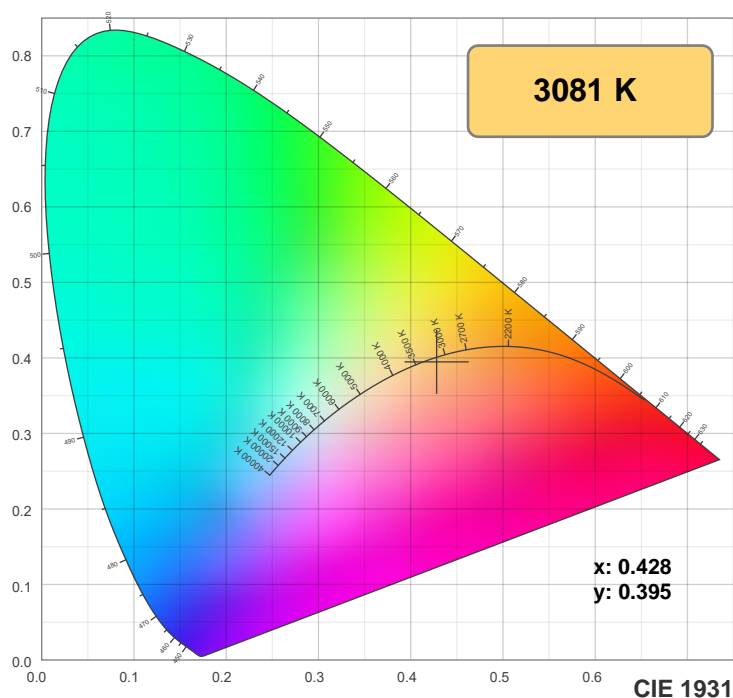
CIE 1931
x: 0.428
y: 0.395

Spectra

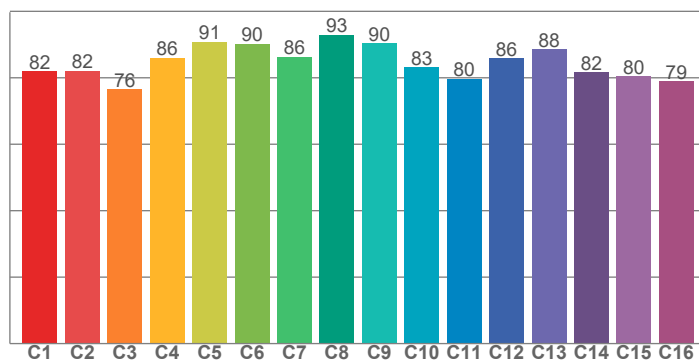


Power

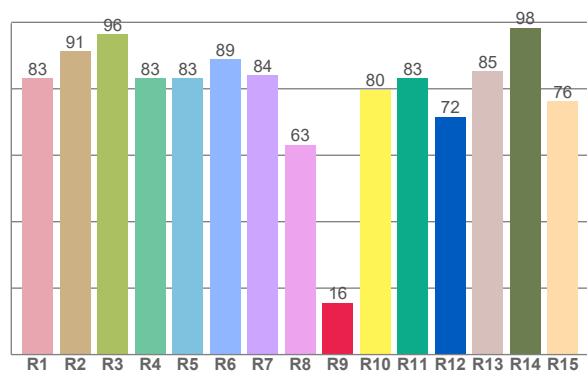




TM30: 84.6



CRI: 84.2 (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
83.2	91.3	96.5	83.2	83.2	89.0	84.0	63.2	15.6	79.7	83.2	71.6	85.2	98.4	76.2

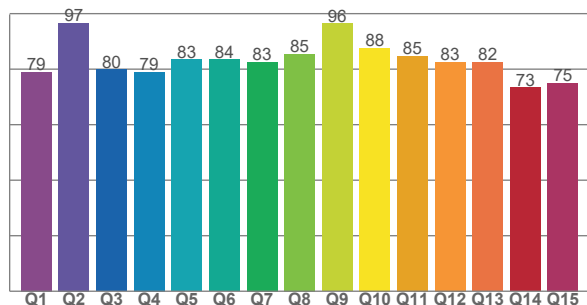
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	82.0	76.5	85.9	90.9	90.1	86.3	92.8	90.4	83.1	79.7	85.8	88.5	81.6	80.5	79.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	96.6	79.9	79.0	83.4	83.5	82.5	85.4	96.4	87.7	84.7	82.5	82.5	73.3	75.0

CQS: 82.2



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
3081 K	84.2	15.6	84.6	98.8	82.2	0.428	0.395	0.249	0.344	-0.0025

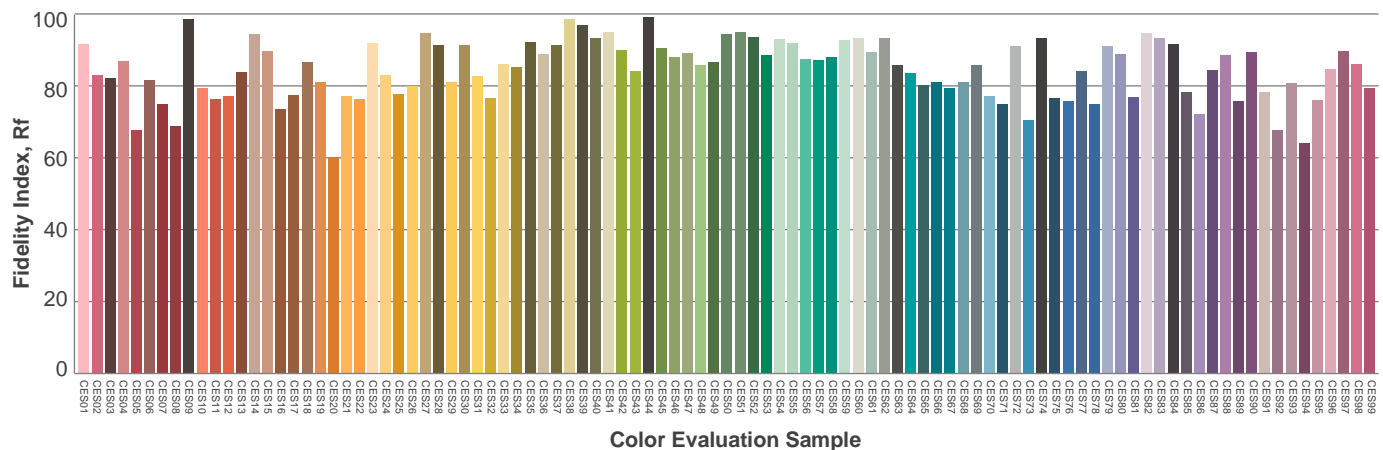
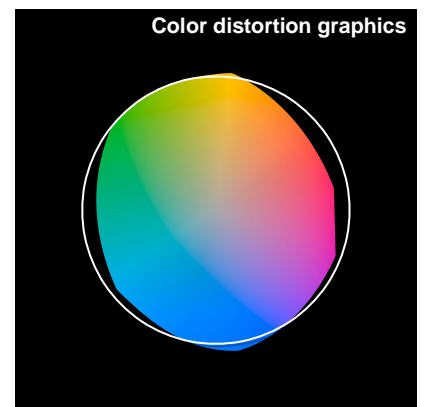
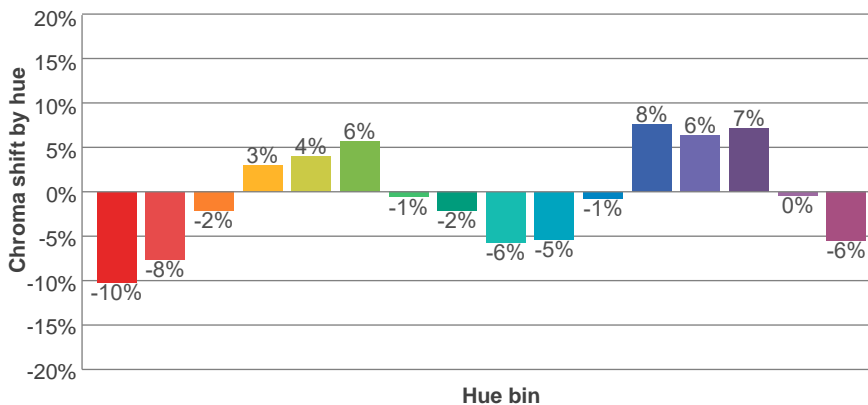
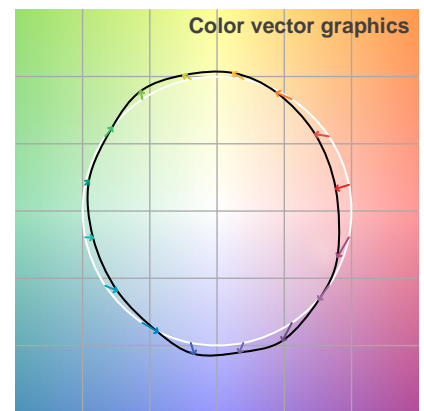
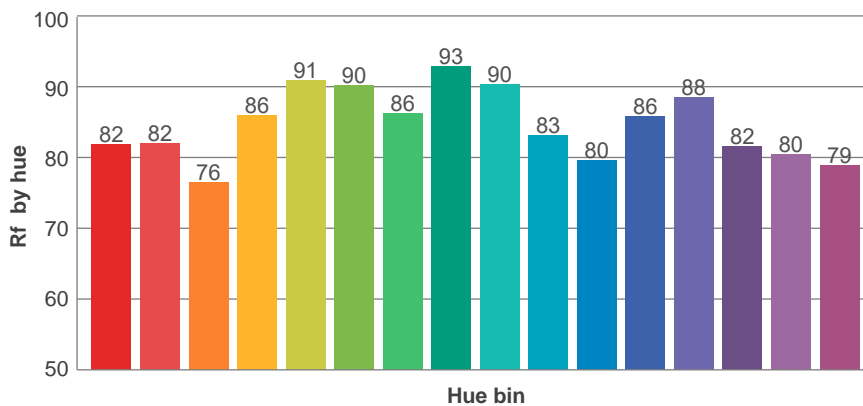
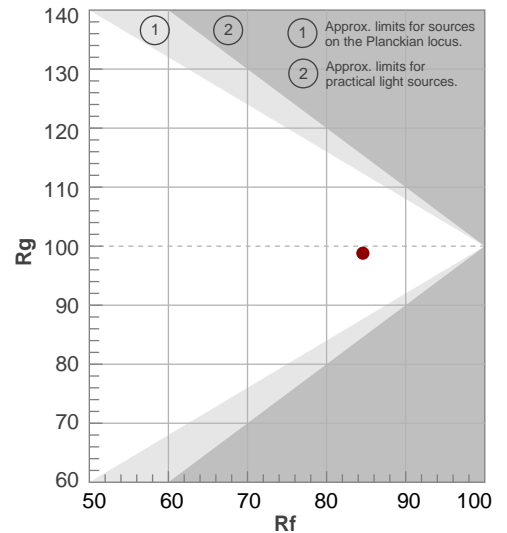
Rf 84.6

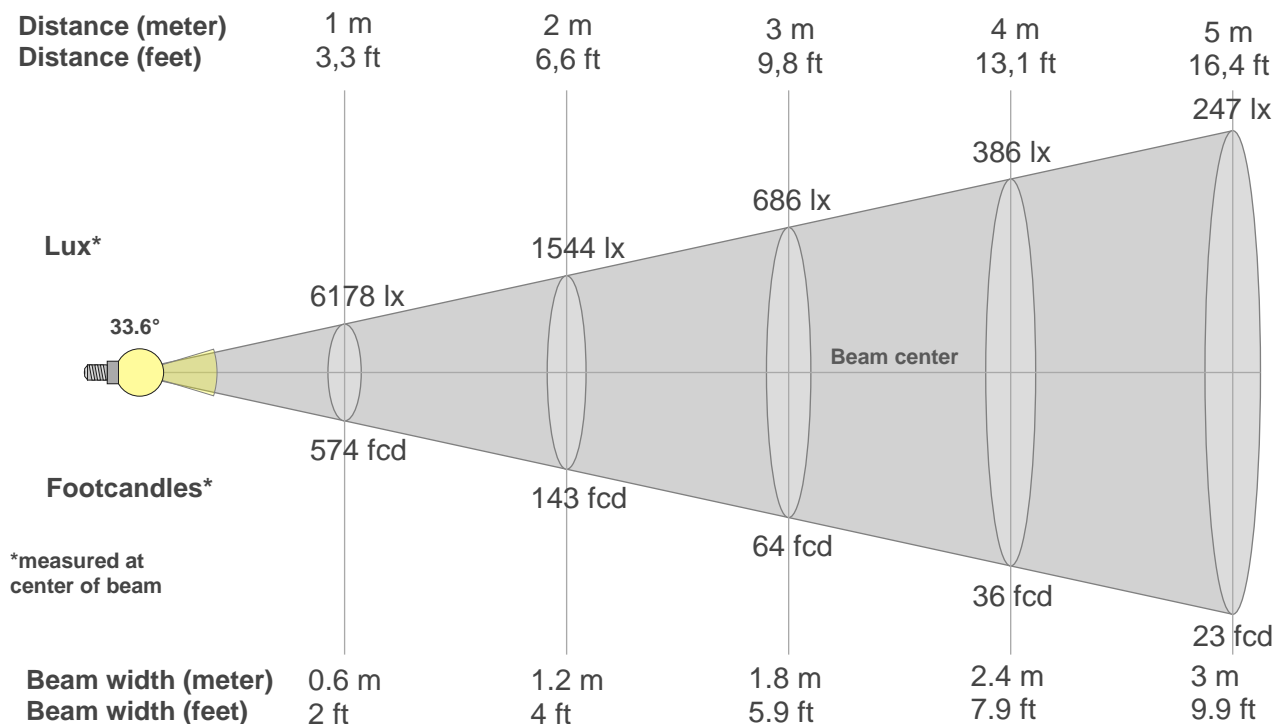
Fidelity index Rf

Rg 98.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	76	-2%	12%
4	86	3%	9%
5	91	4%	5%
6	90	6%	-2%
7	86	-1%	-8%
8	93	-2%	-4%
9	90	-6%	1%
10	83	-5%	8%
11	80	-1%	13%
12	86	8%	4%
13	88	6%	-4%
14	82	7%	-13%
15	80	0%	-13%
16	79	-6%	-16%





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
6178lx	1544lx	686lx	386lx	247lx	172lx	126lx	97lx	76lx	62lx	51lx	43lx	37lx	32lx	27lx	24lx	21lx	19lx	17lx	15lx
574fcd	143.5fcd	63.8fcd	35.9fcd	23fcd	15.9fcd	11.7fcd	9fcd	7.1fcd	5.7fcd	4.7fcd	4fcd	3.4fcd	2.9fcd	2.6fcd	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°
6178	6106	5908	5607	5216	4769	4283	3776	3276	2817	2429	2108	1840	1619	1418	1221	1011	787	569	379
100%	99%	96%	91%	84%	77%	69%	61%	53%	46%	39%	34%	30%	26%	23%	20%	16%	13%	9%	6%

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°
6178	6105	5920	5613	5237	4799	4308	3799	3293	2831	2426	2090	1818	1591	1392	1198	993	776	560	366
100%	99%	96%	91%	85%	78%	70%	61%	53%	46%	39%	34%	29%	26%	23%	19%	16%	13%	9%	6%

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°
6178	6106	5908	5607	5216	4769	4283	3776	3276	2817	2429	2108	1840	1619	1418	1221	1011	787	569	379
100%	99%	96%	91%	84%	77%	69%	61%	53%	46%	39%	34%	30%	26%	23%	20%	16%	13%	9%	6%

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°
6178	6105	5920	5613	5237	4799	4308	3799	3293	2831	2426	2090	1818	1591	1392	1198	993	776	560	366
100%	99%	96%	91%	85%	78%	70%	61%	53%	46%	39%	34%	29%	26%	23%	19%	16%	13%	9%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
33.6°	70.9°	82.8°	99.6%	98.2%