

Light efficiency:

75 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3053 K

Output: 2546 lm

Peak: 2402 cd

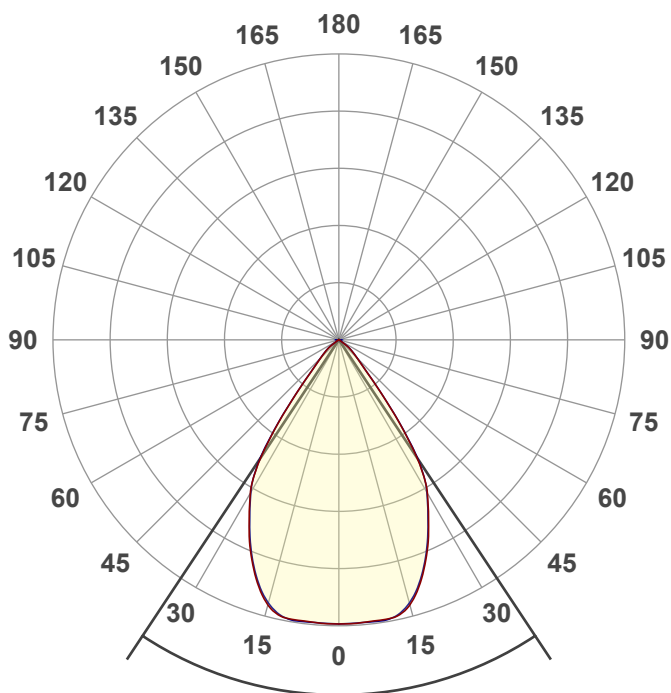
Power: 33.8 W

PF: 0.98



NU4-RD-TW-30LM-2750-80-65D-CL-WH-WH

Date and time:  
3/31/2023 3:23:06 PM



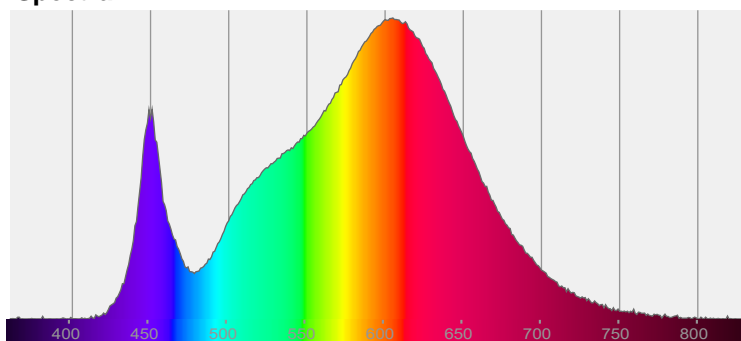
Beam angle

67.1°

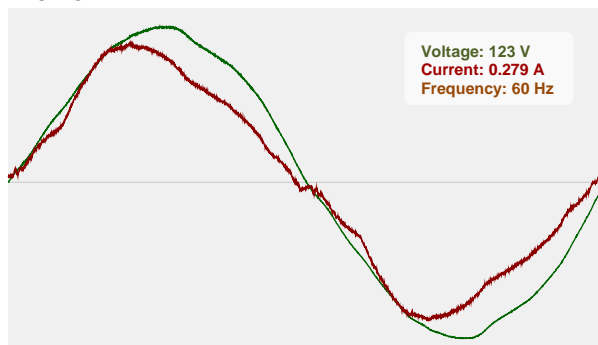


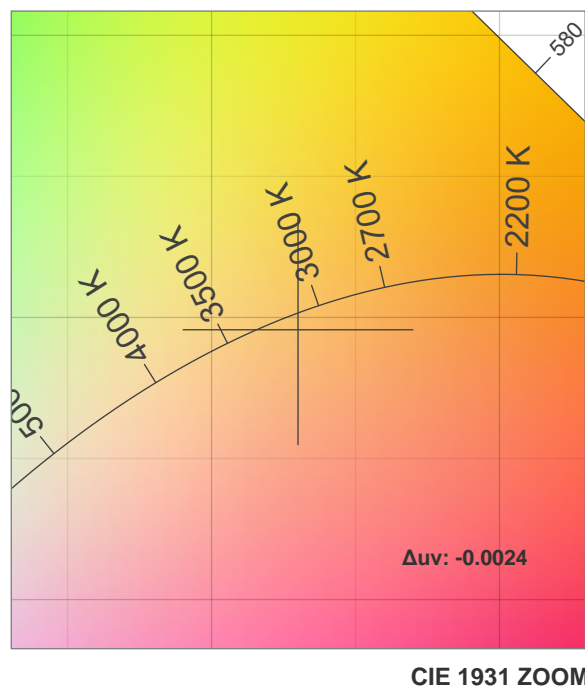
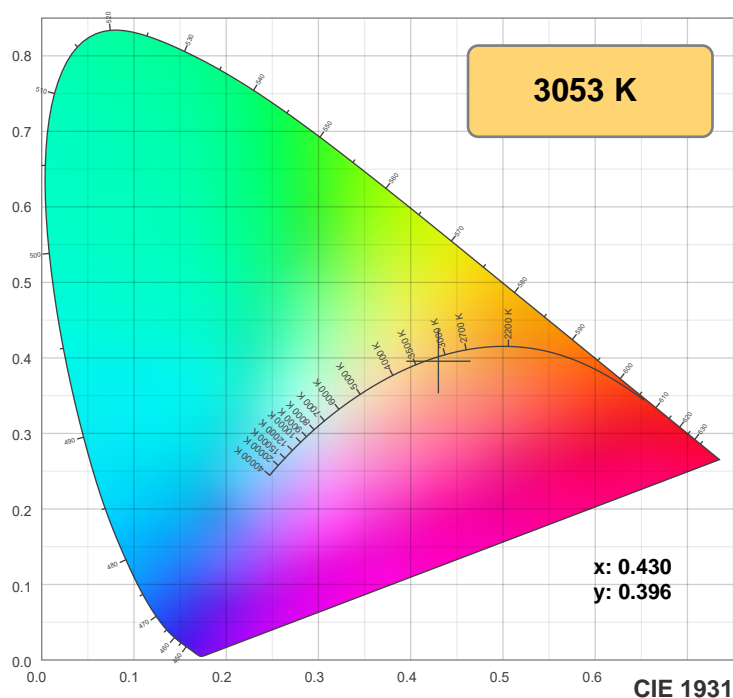
CIE 1931  
x: 0.430  
y: 0.396

Spectra

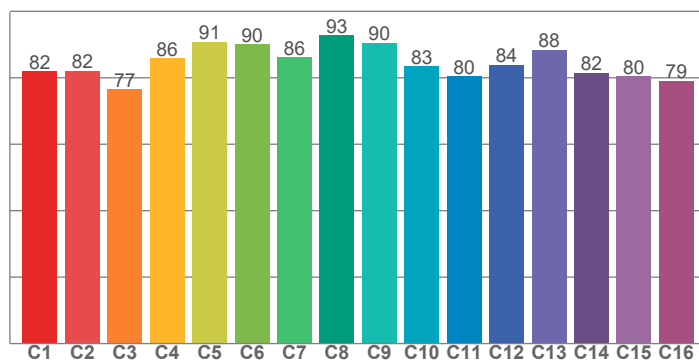


Power

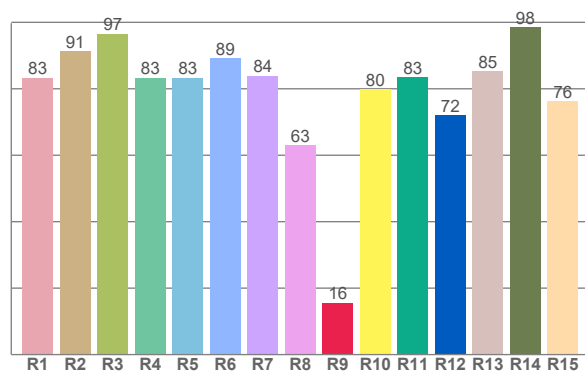




TM30: 84.6



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
83.3	91.3	96.5	83.3	83.3	89.2	83.9	63.0	15.6	79.9	83.4	72.0	85.3	98.4	76.2

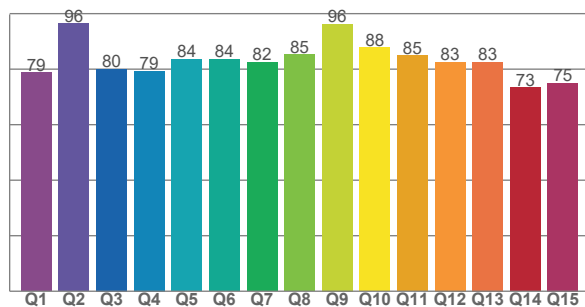
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	82.1	76.5	85.9	90.9	90.0	86.1	92.8	90.5	83.4	80.5	83.9	88.4	81.6	80.4	79.0

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	96.5	80.1	79.3	83.6	83.5	82.5	85.3	96.3	87.8	84.8	82.7	82.5	73.3	74.9

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
3053 K	84.2	15.6	84.6	98.7	82.2	0.430	0.396	0.250	0.345	-0.0024

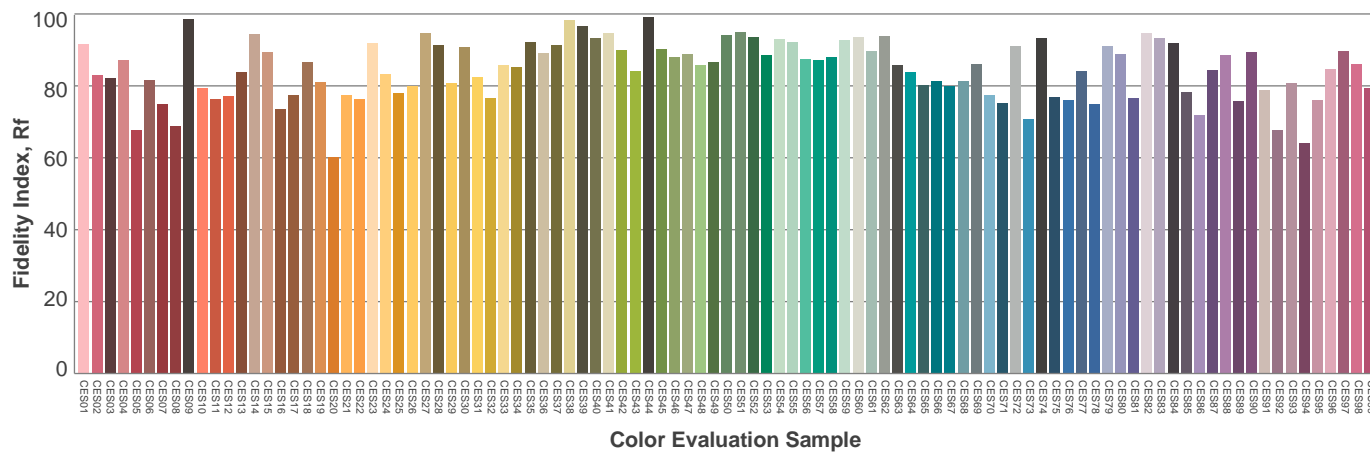
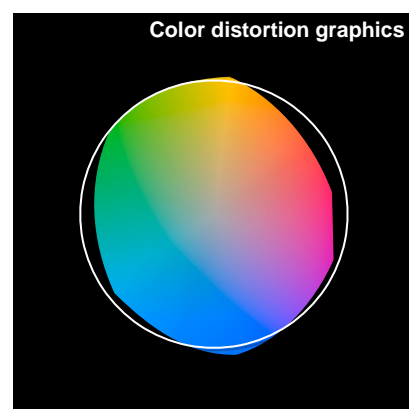
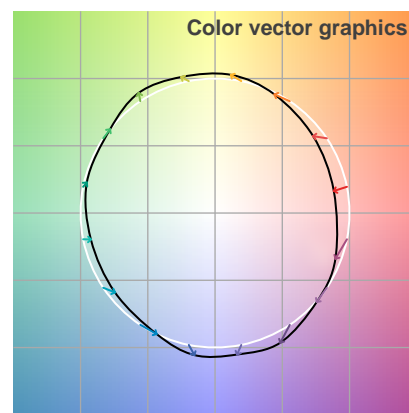
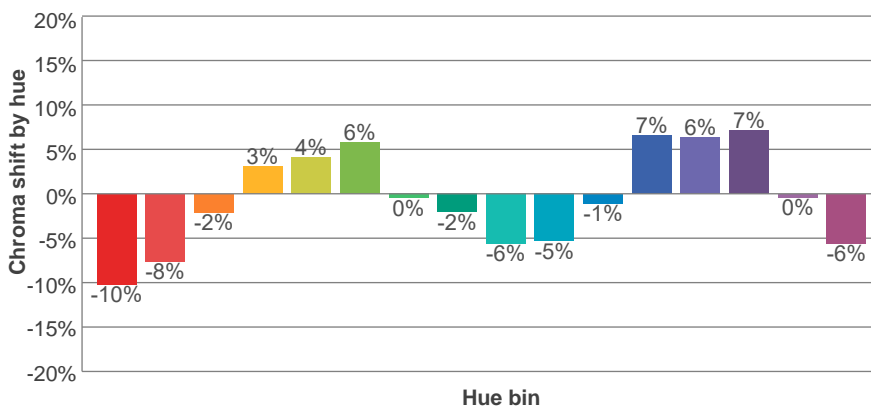
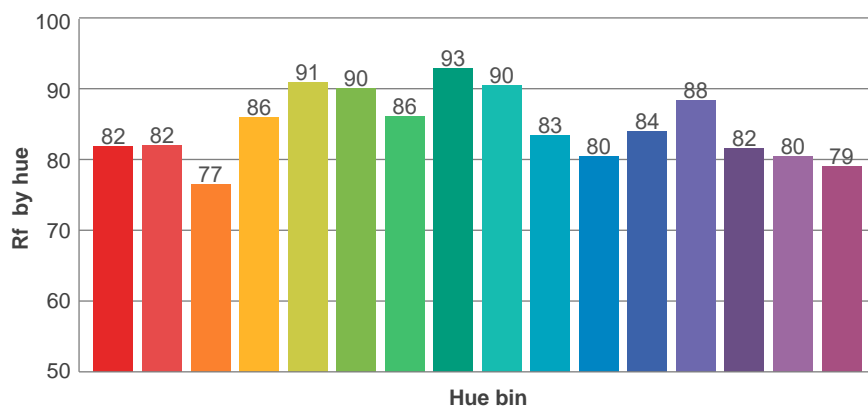
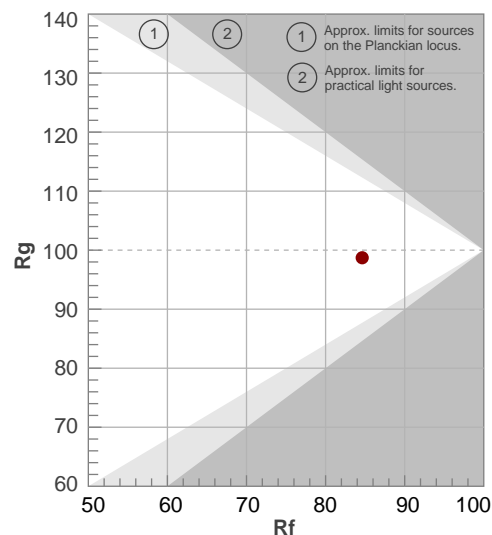
## Rf 84.6

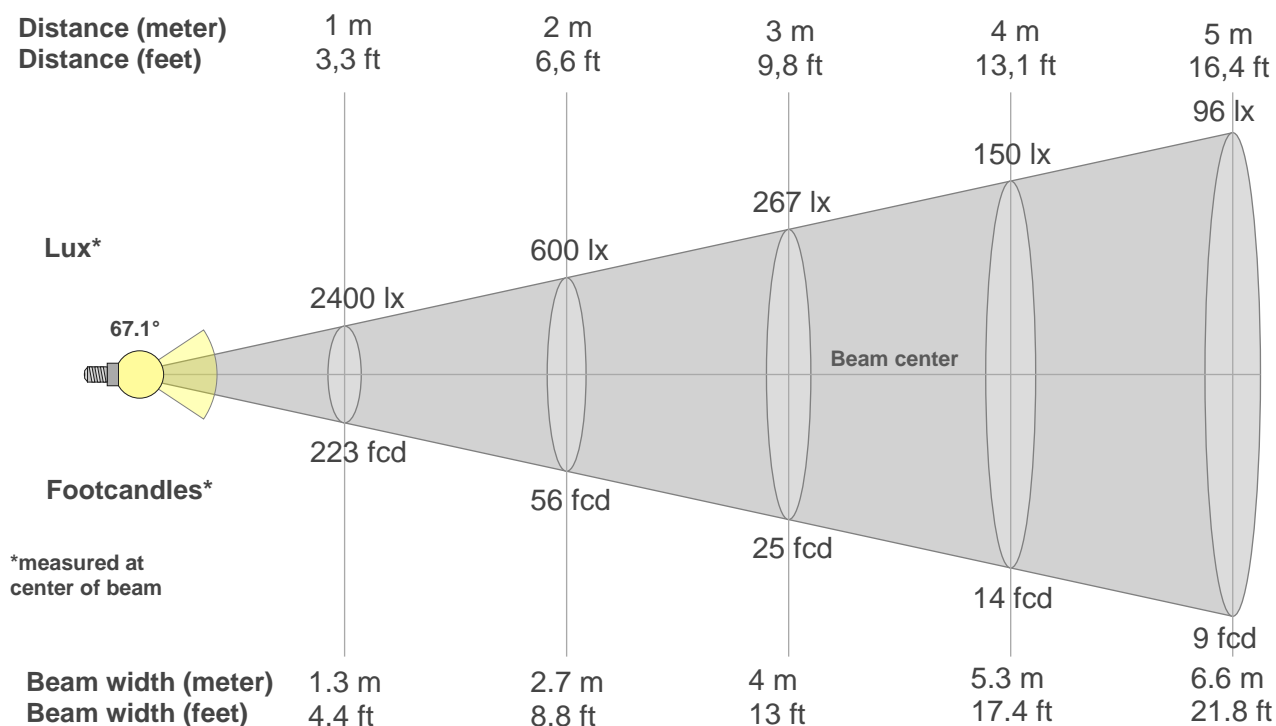
## Fidelity index $R_f$

**Rg 98.7**

## Gammut index Rg

		Graphic shifts (%)	
Hue Bin	$R_f$	Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	77	-2%	12%
4	86	3%	9%
5	91	4%	5%
6	90	6%	-2%
7	86	0%	-8%
8	93	-2%	-4%
9	90	-6%	1%
10	83	-5%	8%
11	80	-1%	14%
12	84	7%	6%
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
2400lx	600lx	267lx	150lx	96lx	67lx	49lx	38lx	30lx	24lx	20lx	17lx	14lx	12lx	11lx	9lx	8lx	7lx	7lx	6lx
223fcd	55.8fcd	24.8fcd	13.9fcd	8.9fcd	6.2fcd	4.6fcd	3.5fcd	2.8fcd	2.2fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	0.6fcd	0.6fcd

#### 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°
2400	2399	2396	2393	2391	2390	2382	2344	2276	2187	2084	1972	1856	1729	1609	1489	1340	1136	881	633
100%	100%	100%	100%	100%	100%	99%	98%	95%	91%	87%	82%	77%	72%	67%	62%	56%	47%	37%	26%

#### 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°
2400	2396	2395	2396	2398	2395	2375	2327	2260	2174	2072	1960	1841	1717	1598	1481	1344	1154	889	635
100%	100%	100%	100%	100%	100%	99%	97%	94%	91%	86%	82%	77%	72%	67%	62%	56%	48%	37%	26%

#### 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°
2400	2399	2396	2393	2391	2390	2382	2344	2276	2187	2084	1972	1856	1729	1609	1489	1340	1136	881	633
100%	100%	100%	100%	100%	100%	99%	98%	95%	91%	87%	82%	77%	72%	67%	62%	56%	47%	37%	26%

#### 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°
2400	2396	2395	2396	2398	2395	2375	2327	2260	2174	2072	1960	1841	1717	1598	1481	1344	1154	889	635
100%	100%	100%	100%	100%	100%	99%	97%	94%	91%	86%	82%	77%	72%	67%	62%	56%	48%	37%	26%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
67.1°	88.6°	108.6°	99.3%	94.7%