

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 84.4

Color temperature:

3054 K

Output: 1738 lm

Peak: 2745 cd

Power: 22.6 W

PF: 0.97

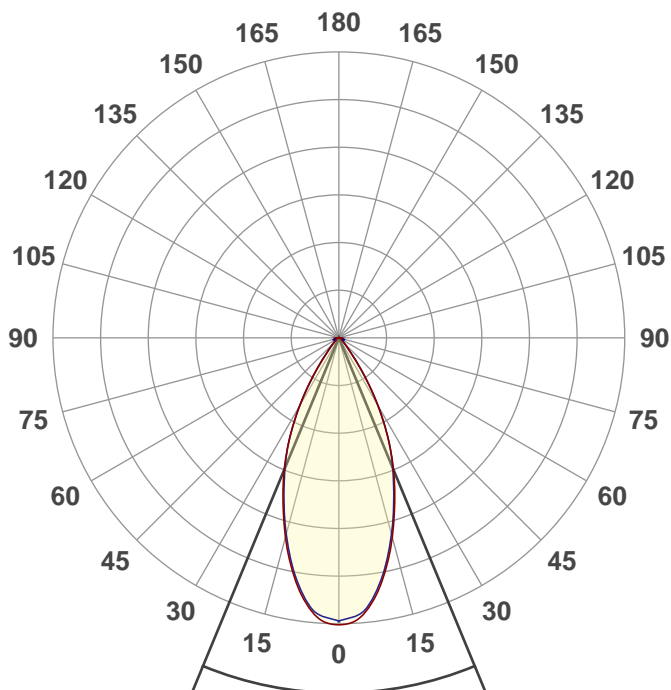


Product name:

NU3-RD-SW-27LM-30K-80-D45-NL-120-NC-WH-WH

Date and time:

2/7/2019 4:04:00 PM



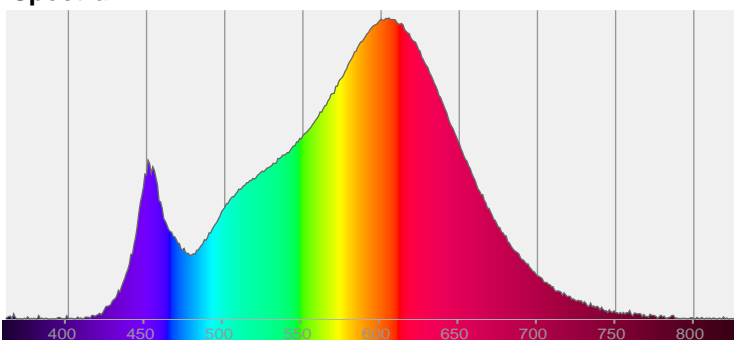
Beam angle

45°

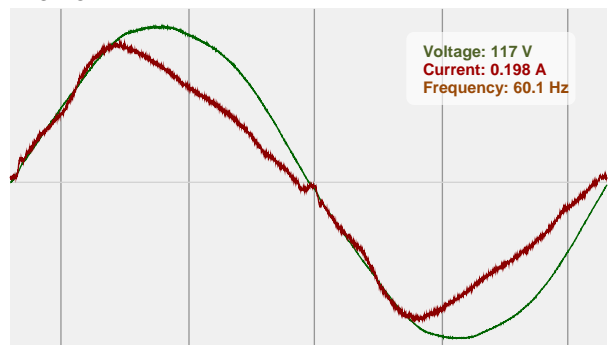


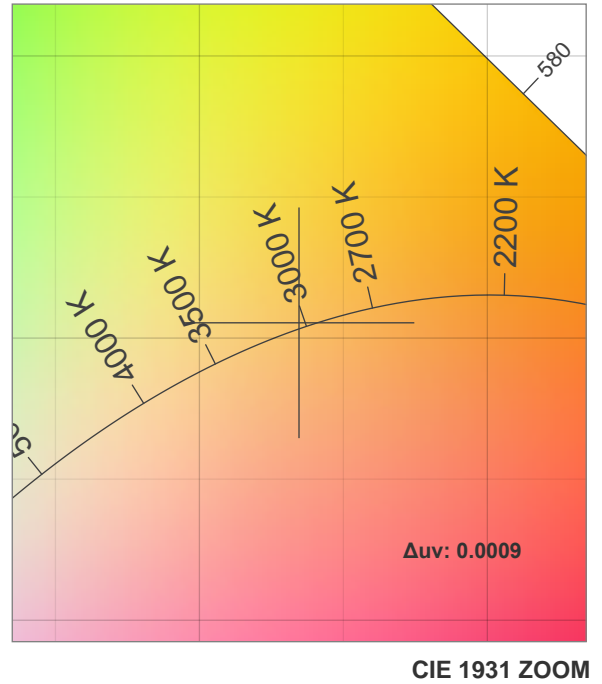
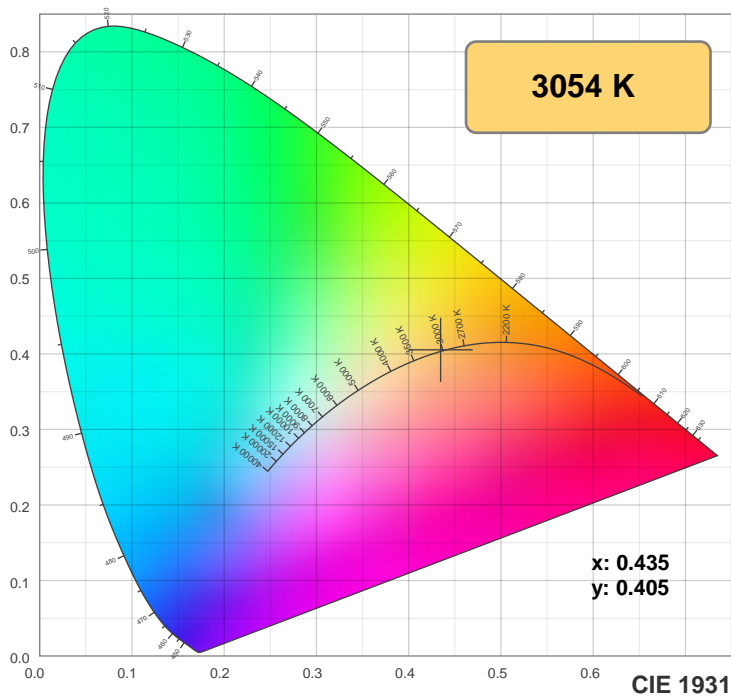
CIE 1931
x: 0.435
y: 0.405

Spectra

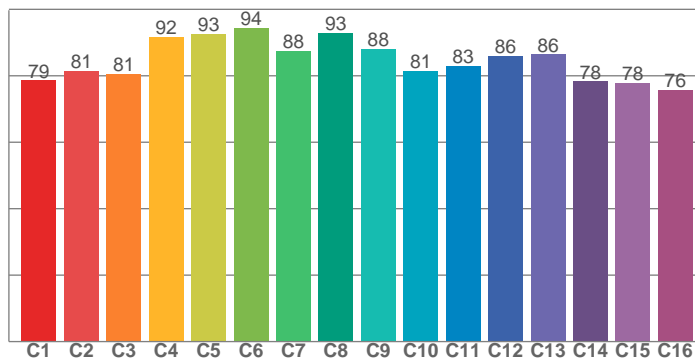


Power

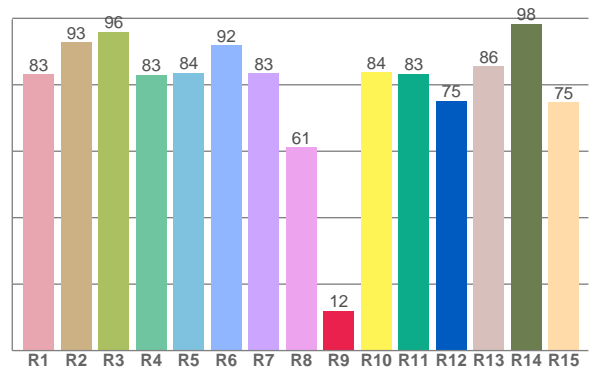




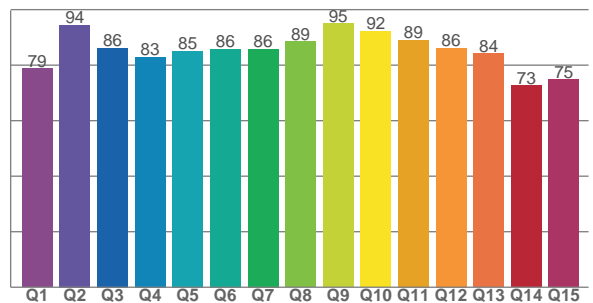
TM30: 85.0



CRI: 84.4 (R1-R8)



CQS: 84.1



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	92.7	96.0	83.0	83.6	91.9	83.5	61.2	12.0	83.7	83.3	75.2	85.7	98.4	74.7

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
78.7	81.5	80.5	91.7	92.7	94.4	87.6	92.9	88.2	81.5	82.9	86.0	86.4	78.3	78.0	75.8

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	94.5	86.2	83.0	85.0	85.8	85.8	88.5	95.0	92.2	89.0	86.1	84.2	72.6	74.8

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
3054 K	84.4	12.0	85.0	95.2	84.1	0.435	0.405	0.248	0.348	0.0009

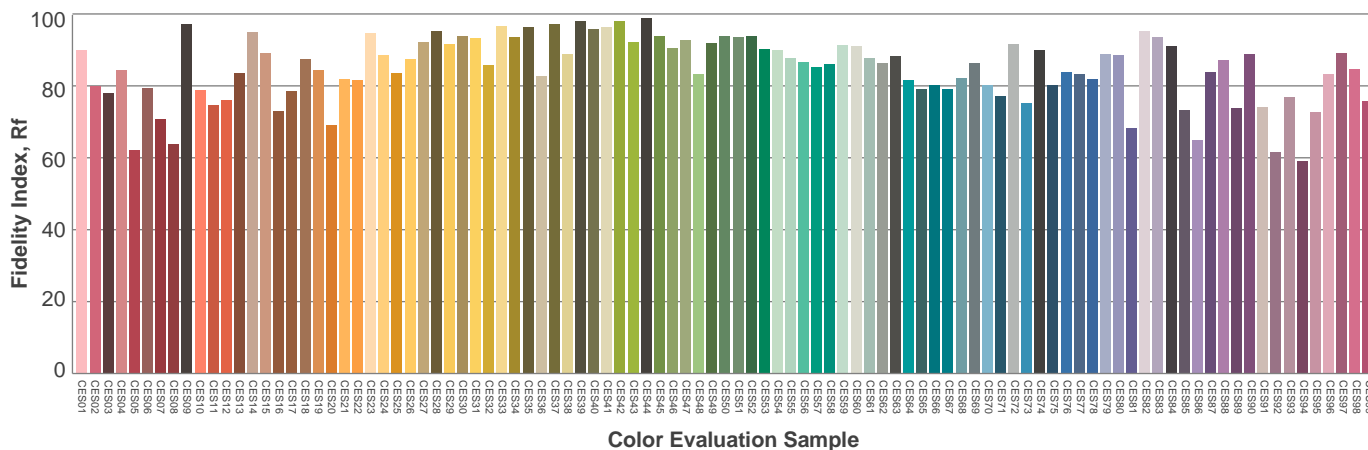
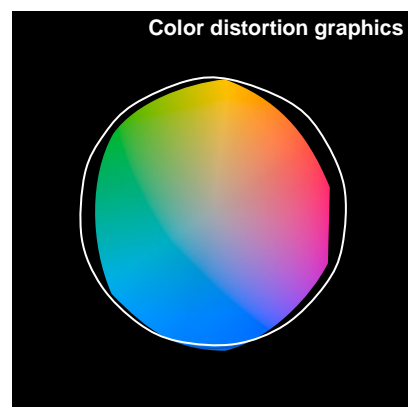
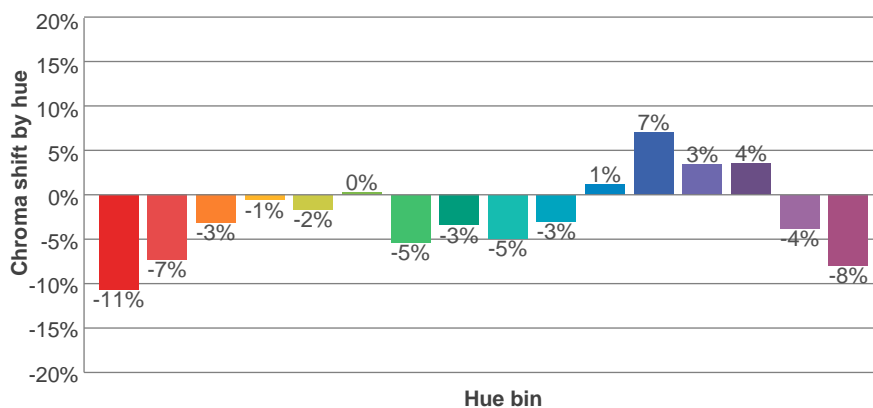
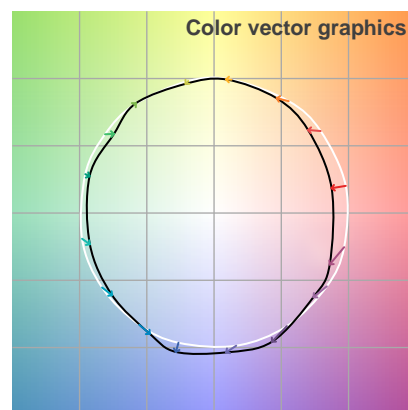
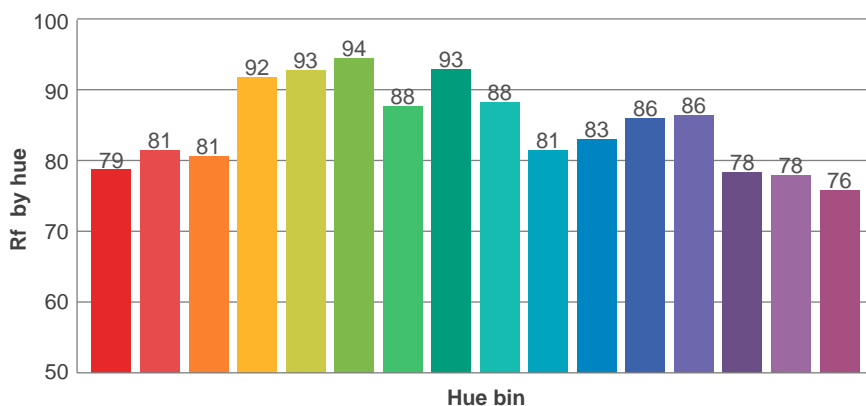
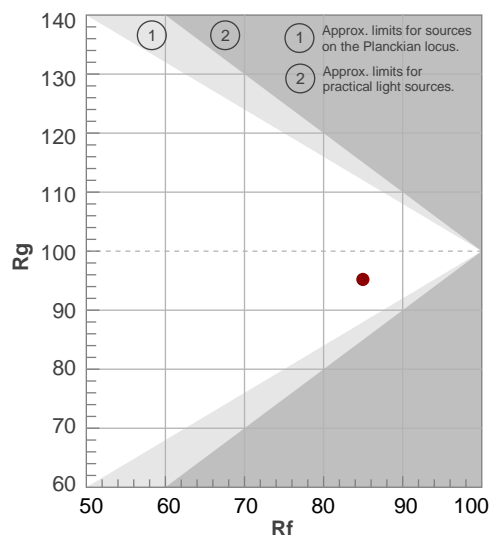
Rf 85.0

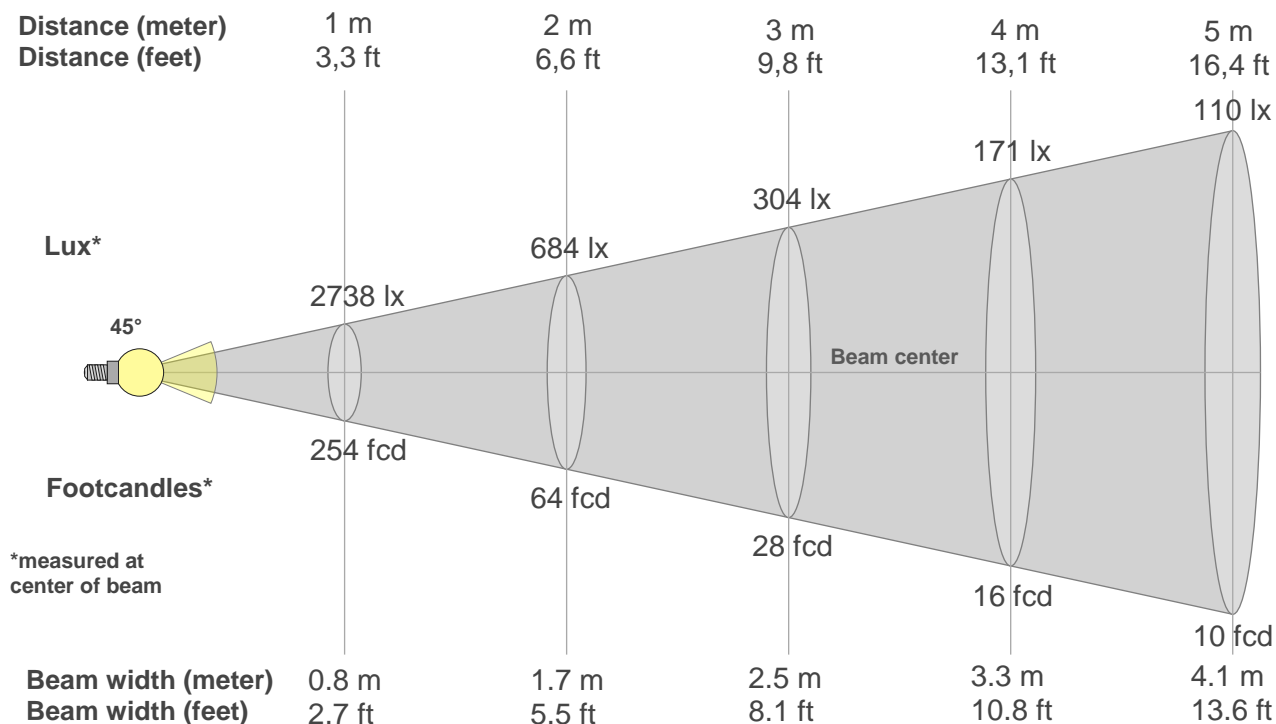
Fidelity index Rf

Rg 95.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-11%	0%
2	81	-7%	6%
3	81	-3%	9%
4	92	-1%	4%
5	93	-2%	2%
6	94	0%	-2%
7	88	-5%	-4%
8	93	-3%	1%
9	88	-5%	5%
10	81	-3%	9%
11	83	1%	10%
12	86	7%	-1%
13	86	3%	-8%
14	78	4%	-16%
15	78	-4%	-12%
16	76	-8%	-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
2738lx	684lx	304lx	171lx	110lx	76lx	56lx	43lx	34lx	27lx	23lx	19lx	16lx	14lx	12lx	11lx	9lx	8lx	8lx	7lx
254.3fcd	63.6fcd	28.3fcd	15.9fcd	10.2fcd	7.1fcd	5.2fcd	4fcd	3.1fcd	2.5fcd	2.1fcd	1.8fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd	0.7fcd	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°
2738	2745	2704	2615	2525	2381	2233	2077	1908	1740	1579	1419	1257	1091	925	764	605	457	338	218
100%	100%	99%	96%	92%	87%	82%	76%	70%	64%	58%	52%	46%	40%	34%	28%	22%	17%	12%	8%

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°
2738	2702	2668	2606	2483	2360	2206	2044	1881	1716	1551	1396	1245	1090	923	755	602	455	318	238
100%	99%	97%	95%	91%	86%	81%	75%	69%	63%	57%	51%	45%	40%	34%	28%	22%	17%	12%	9%

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°
2738	2745	2704	2615	2525	2381	2233	2077	1908	1740	1579	1419	1257	1091	925	764	605	457	338	218
100%	100%	99%	96%	92%	87%	82%	76%	70%	64%	58%	52%	46%	40%	34%	28%	22%	17%	12%	8%

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°
2738	2702	2668	2606	2483	2360	2206	2044	1881	1716	1551	1396	1245	1090	923	755	602	455	318	238
100%	99%	97%	95%	91%	86%	81%	75%	69%	63%	57%	51%	45%	40%	34%	28%	22%	17%	12%	9%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
45°	74.2°	92.1°	95.5%	92.5%