

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 81.3

Color temperature:

3069 K

Output: 2626 lm

Peak: 9055 cd

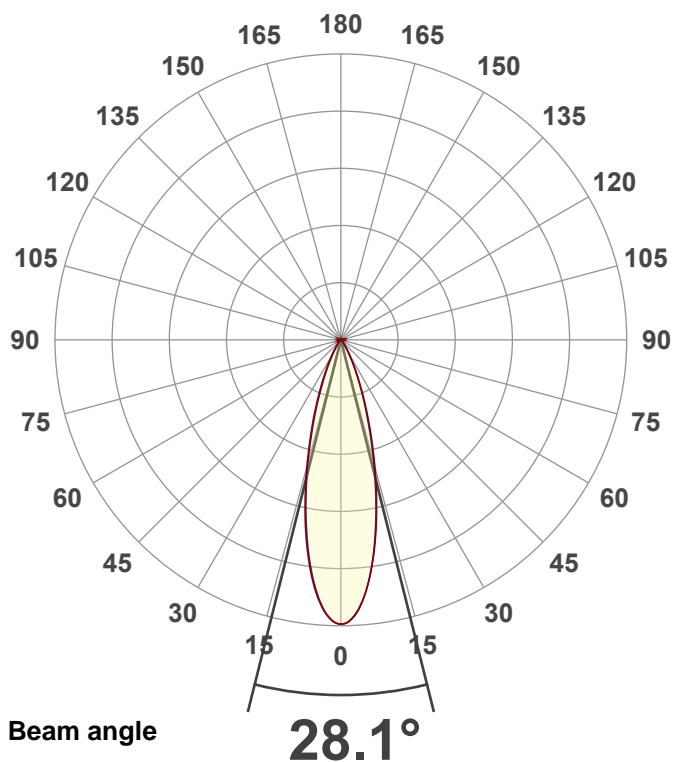
Power: 37.9 W

PF: 0.98



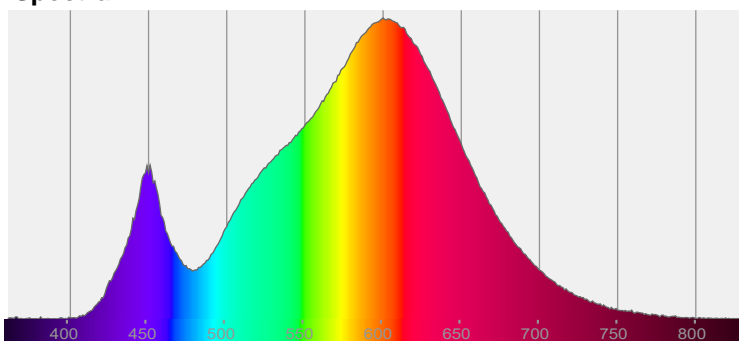
NU3-RA-SW-40LM-30K-80-25D-NA-HET-WH

Date and time:
5/12/2022 3:54:46 PM

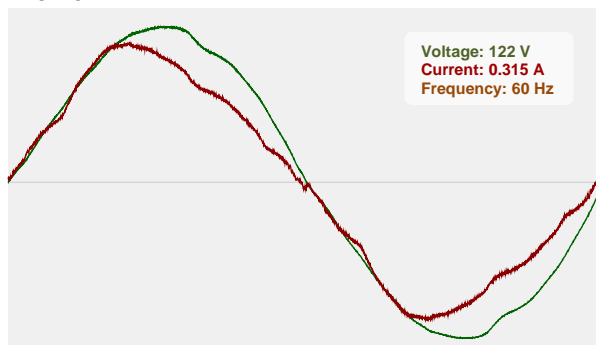


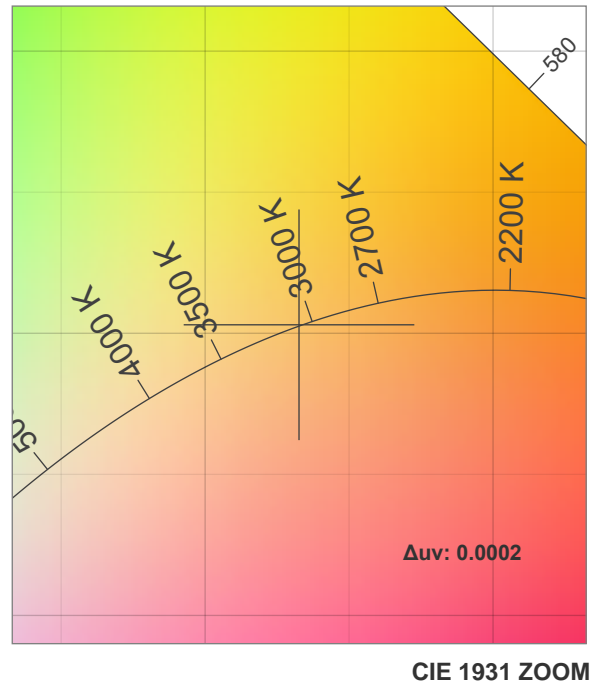
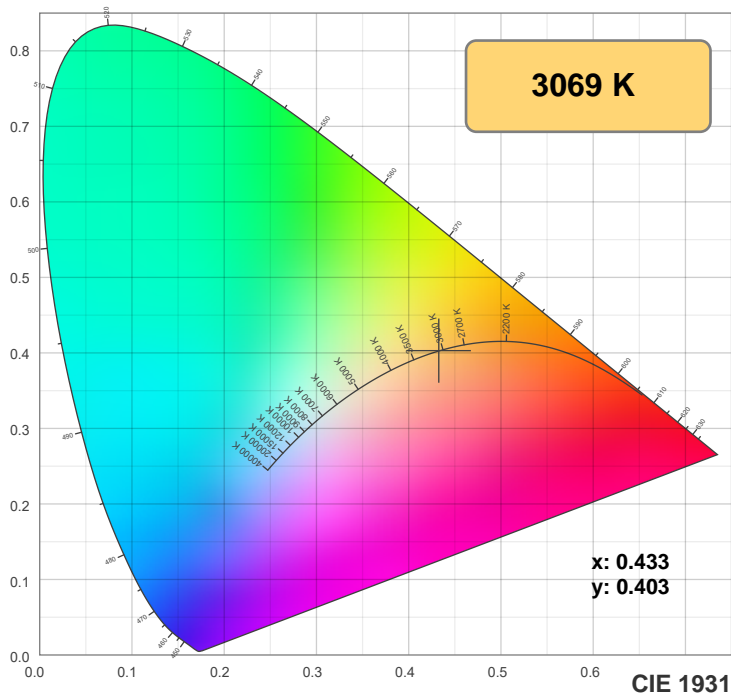
CIE 1931
x: 0.433
y: 0.403

Spectra

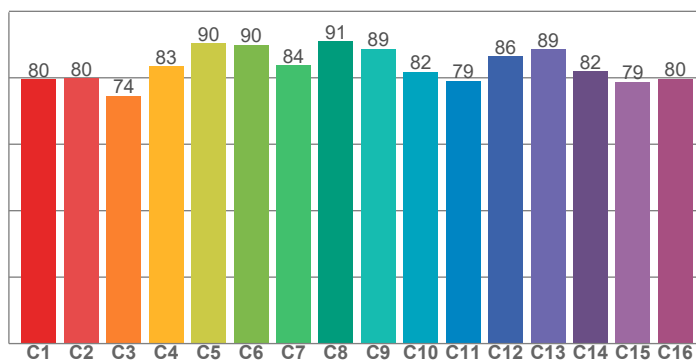


Power

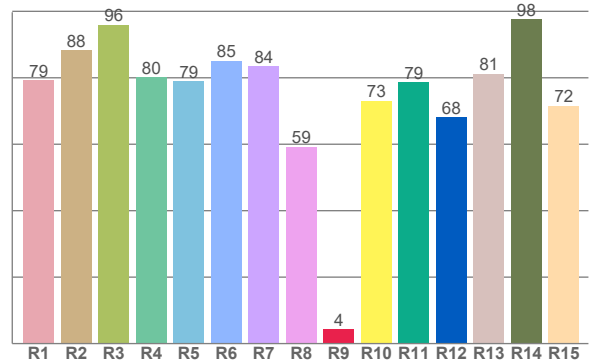




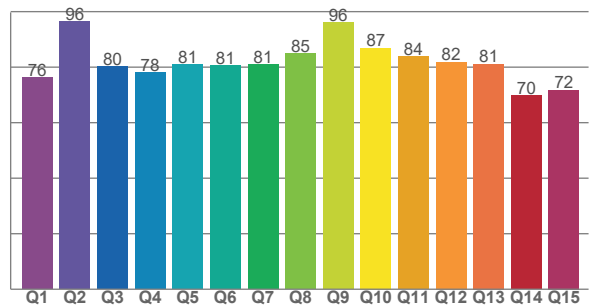
TM30: 83.4



CRI: 81.3 (R1-R8)



CQS: 80.5



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
79.3	88.4	96.0	80.1	79.0	85.1	83.6	59.2	4.4	73.1	78.7	68.2	81.2	97.7	71.6

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
79.6	79.8	74.5	83.5	90.3	90.0	83.8	91.0	88.8	81.8	79.1	86.5	88.5	82.0	78.7	79.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.3	96.4	80.3	78.0	80.9	80.6	80.9	85.0	96.1	86.8	83.8	81.8	81.2	69.7	71.8

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
3069 K	81.3	4.4	83.4	97.3	80.5	0.433	0.403	0.248	0.347	0.0002

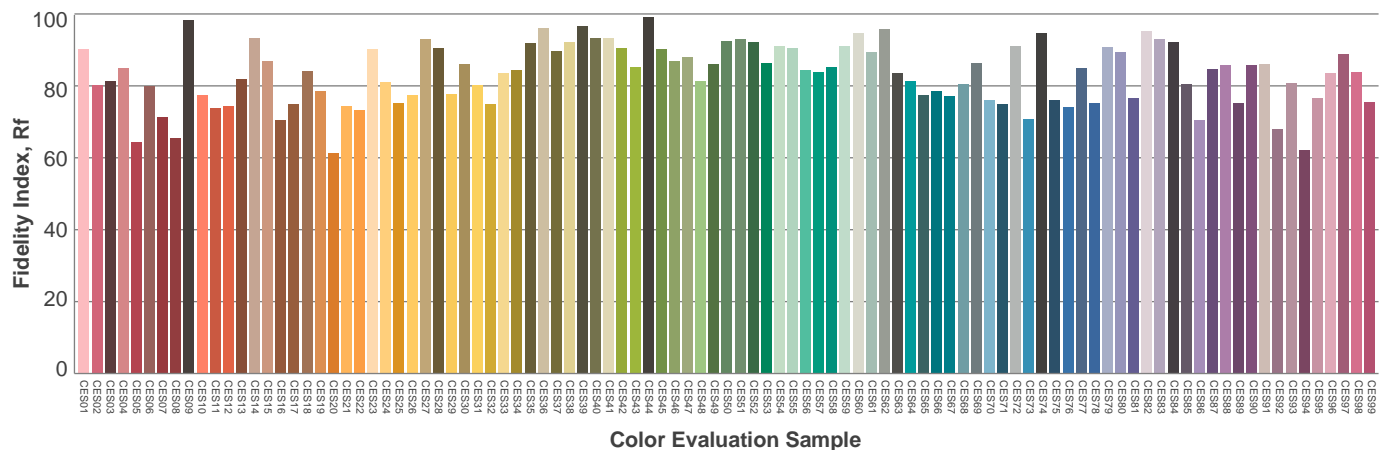
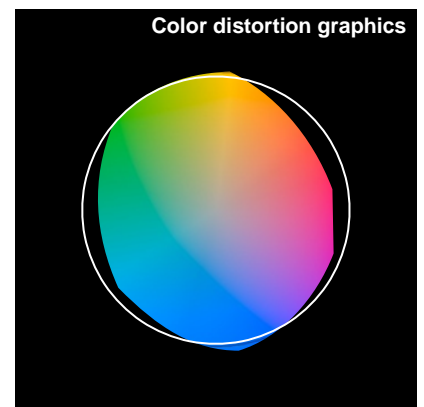
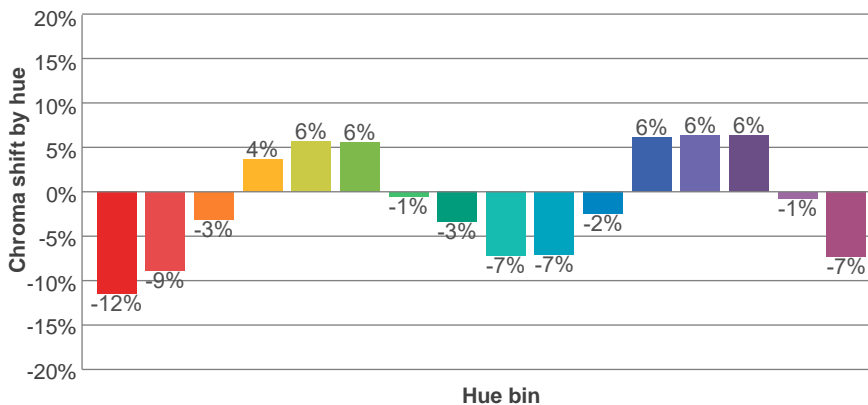
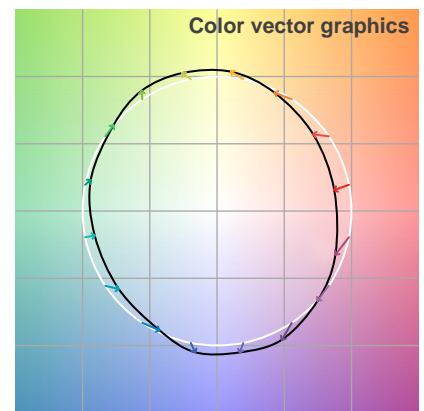
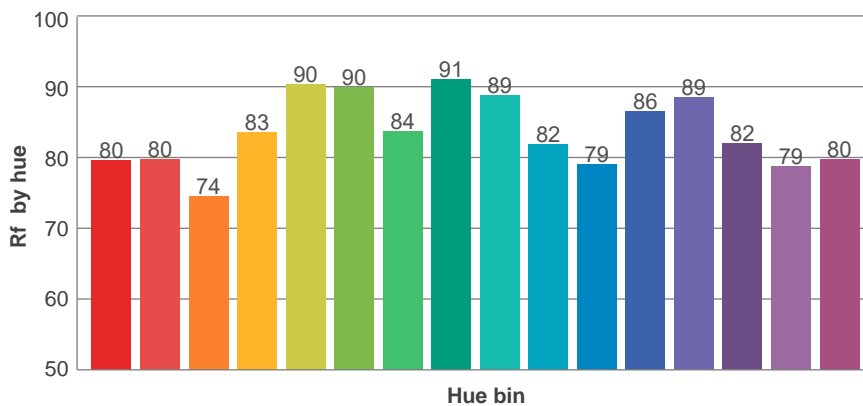
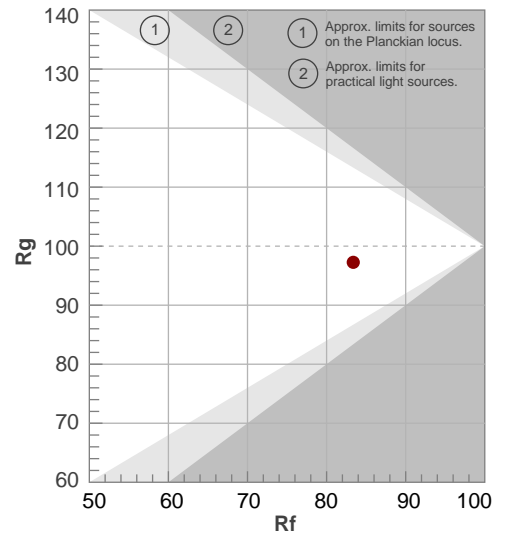
Rf 83.4

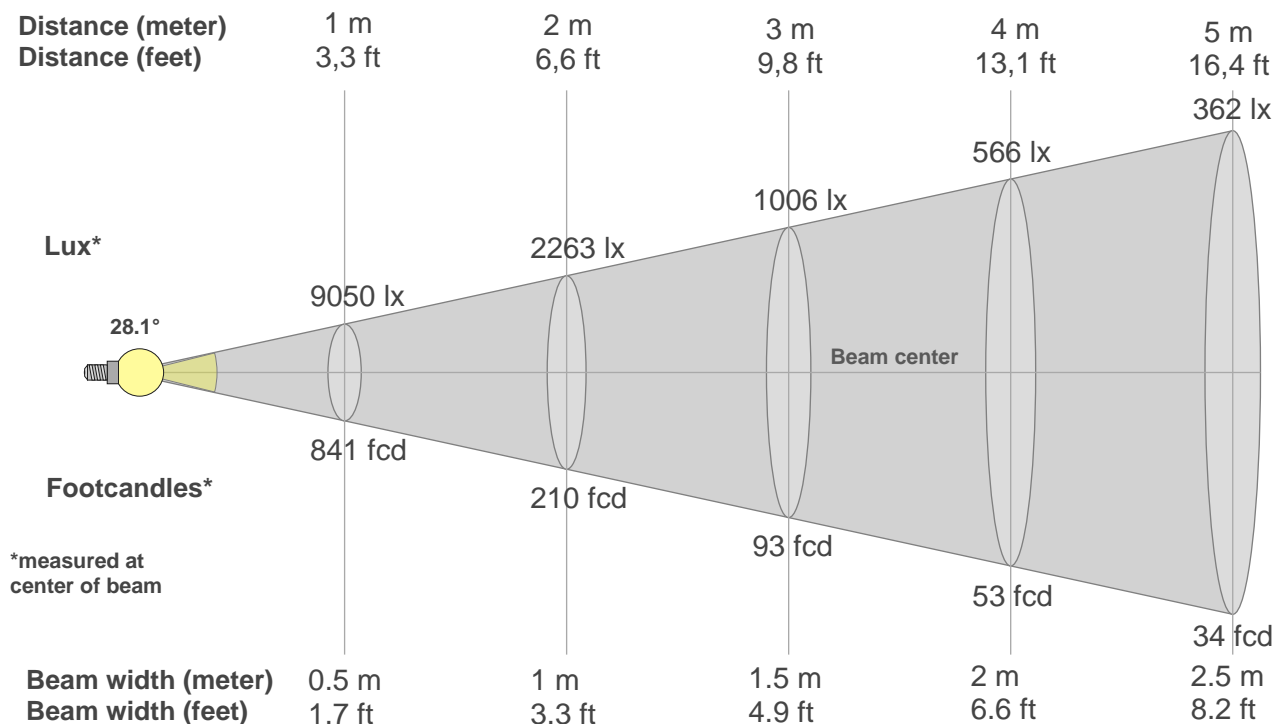
Fidelity index Rf

Rg 97.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-12%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	83	4%	10%
5	90	6%	6%
6	90	6%	-3%
7	84	-1%	-10%
8	91	-3%	-4%
9	89	-7%	0%
10	82	-7%	8%
11	79	-2%	14%
12	86	6%	4%
13	89	6%	-4%
14	82	6%	-13%
15	79	-1%	-14%
16	80	-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
9050lx	2263lx	1006lx	566lx	362lx	251lx	185lx	141lx	112lx	91lx	75lx	63lx	54lx	46lx	40lx	35lx	31lx	28lx	25lx	23lx
840.8fcd	210.2fcd	93.4fcd	52.5fcd	33.6fcd	23.4fcd	17.2fcd	13.1fcd	10.4fcd	8.4fcd	6.9fcd	5.8fcd	5fcd	4.3fcd	3.7fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd

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°
9050	8916	8534	7947	7200	6365	5476	4599	3779	3033	2385	1842	1385	1036	758	545	390	276	198	139
100%	99%	94%	88%	80%	70%	61%	51%	42%	34%	26%	20%	15%	11%	8%	6%	4%	3%	2%	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°
9050	8927	8545	7939	7173	6294	5380	4475	3633	2881	2259	1734	1312	979	719	519	372	264	186	135
100%	99%	94%	88%	79%	70%	59%	49%	40%	32%	25%	19%	14%	11%	8%	6%	4%	3%	2%	1%

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°
9050	8922	8541	7958	7213	6375	5483	4602	3768	3031	2407	1862	1429	1078	803	592	432	316	233	170
100%	99%	94%	88%	80%	70%	61%	51%	42%	33%	27%	21%	16%	12%	9%	7%	5%	3%	3%	2%

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°
9050	8904	8507	7890	7122	6258	5361	4477	3646	2888	2248	1692	1270	931	668	479	340	242	170	121
100%	98%	94%	87%	79%	69%	59%	49%	40%	32%	25%	19%	14%	10%	7%	5%	4%	3%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28.1°	53.5°	70.4°	99.7%	98.7%