

Light efficiency:

76 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3060 K

Output: 2893 lm

Peak: 4313 cd

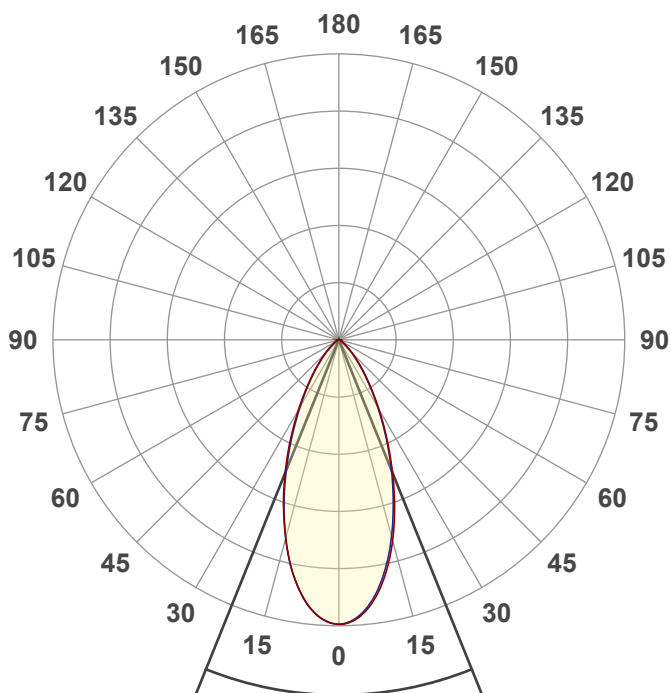
Power: 37.8 W

PF: 0.98



NU3-RA-SW-40LM-30K-80-35D-NA-DL-WH

Date and time:
5/12/2022 1:25:13 PM



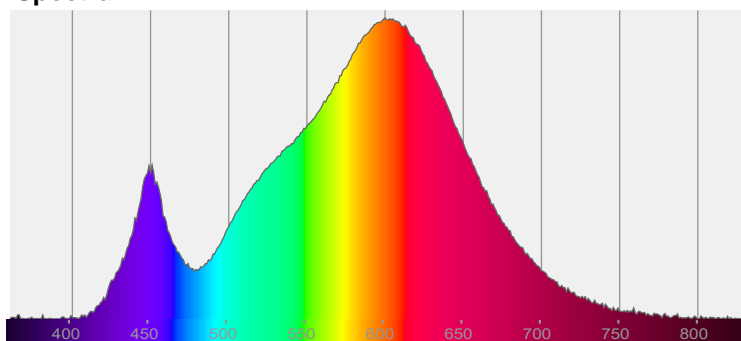
Beam angle

43.9°

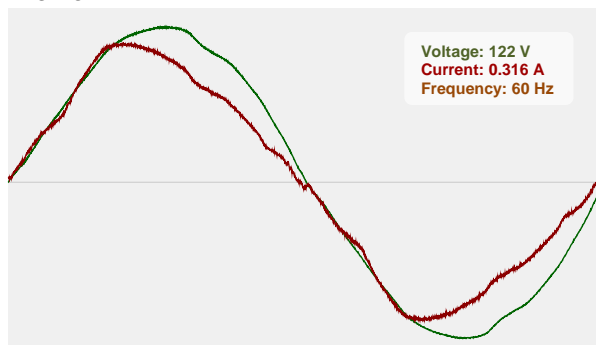


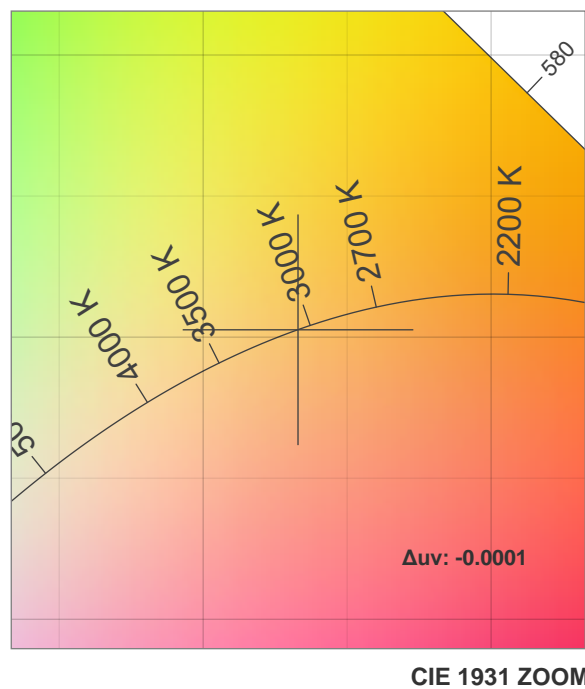
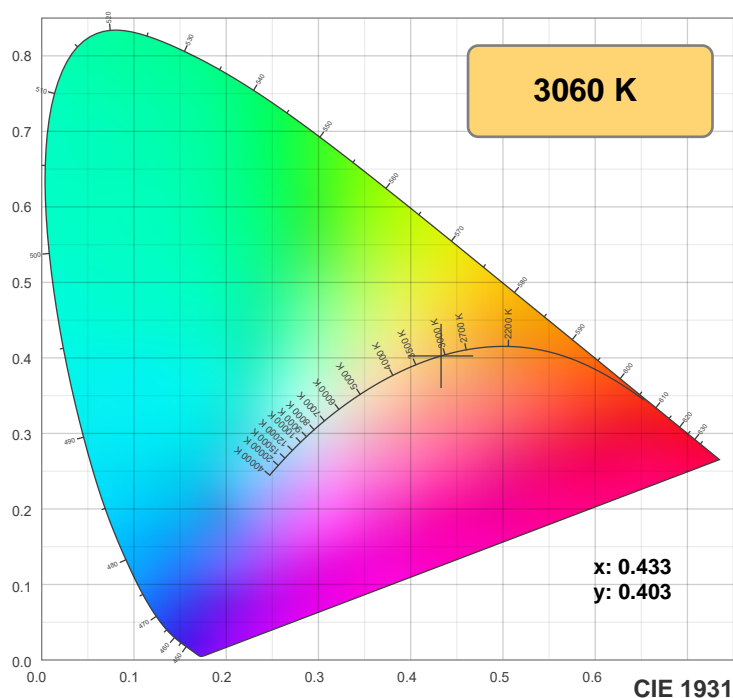
CIE 1931
x: 0.433
y: 0.403

Spectra

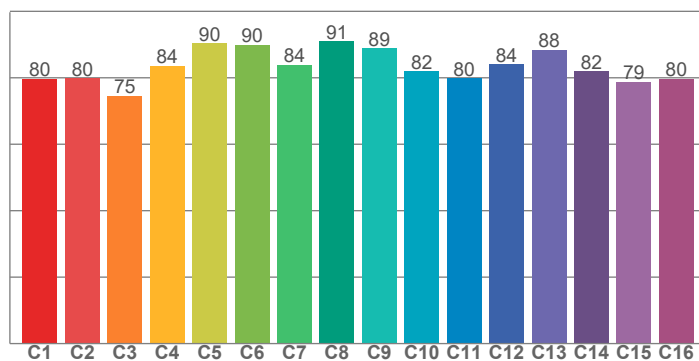


Power

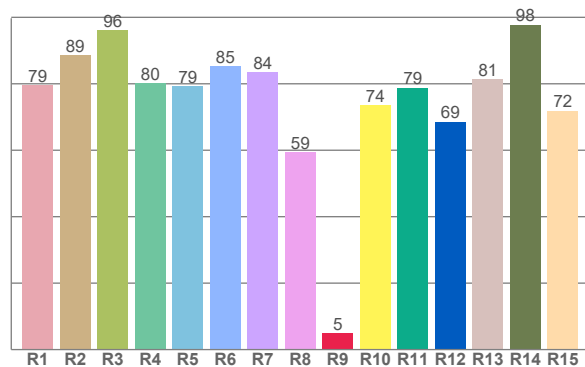




TM30: 83.4



CRI: 81.5 (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
79.5	88.6	96.0	80.2	79.2	85.4	83.5	59.4	5.0	73.5	78.8	68.6	81.4	97.7	71.9

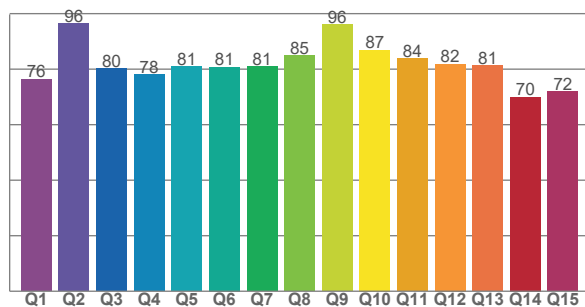
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.7	79.8	74.5	83.5	90.3	89.9	83.8	91.0	88.9	81.9	79.8	84.0	88.5	82.0	78.8	79.7

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.4	96.4	80.3	78.0	81.0	80.7	80.9	84.9	96.1	86.8	83.7	81.8	81.2	69.9	72.0

CQS: 80.6



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
3060 K	81.5	5.0	83.4	97.2	80.6	0.433	0.403	0.249	0.347	-0.0001

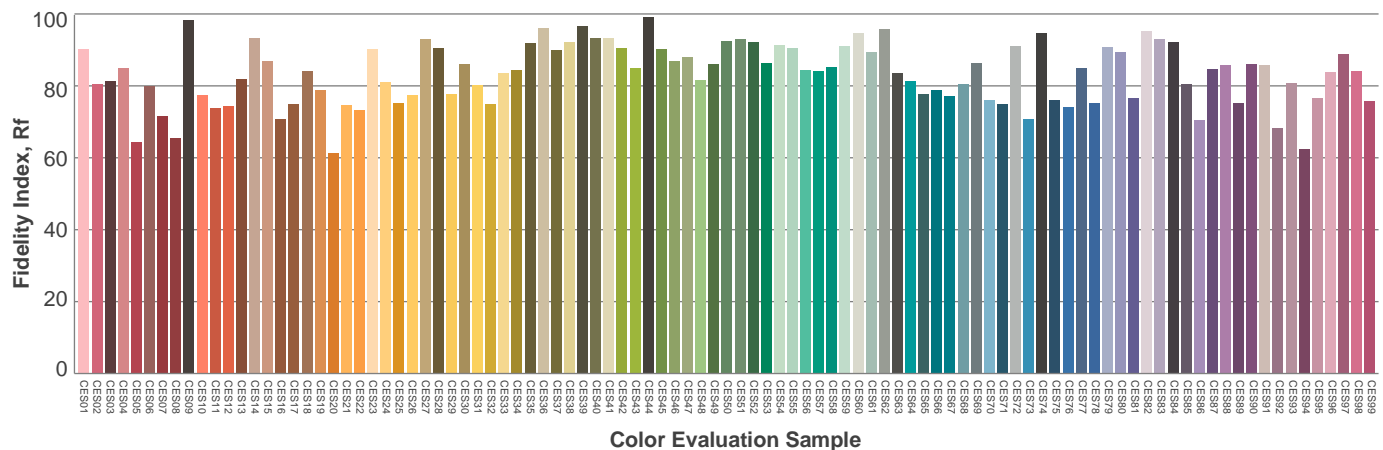
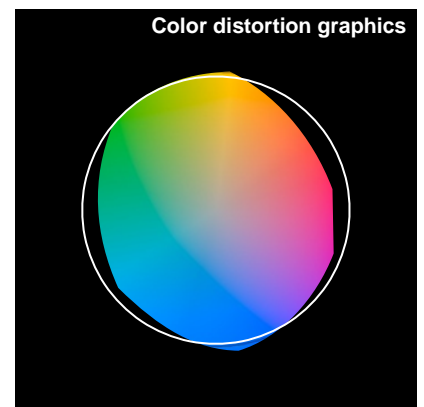
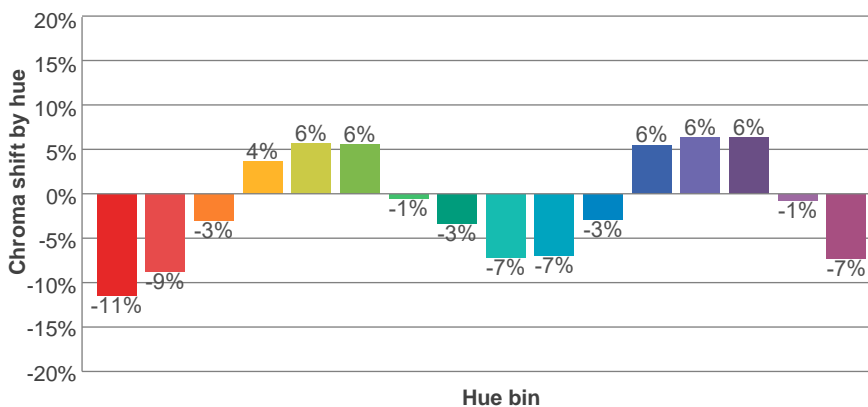
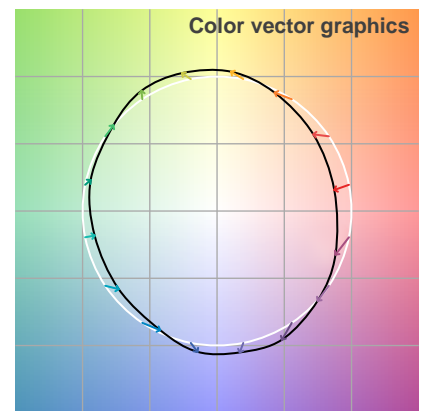
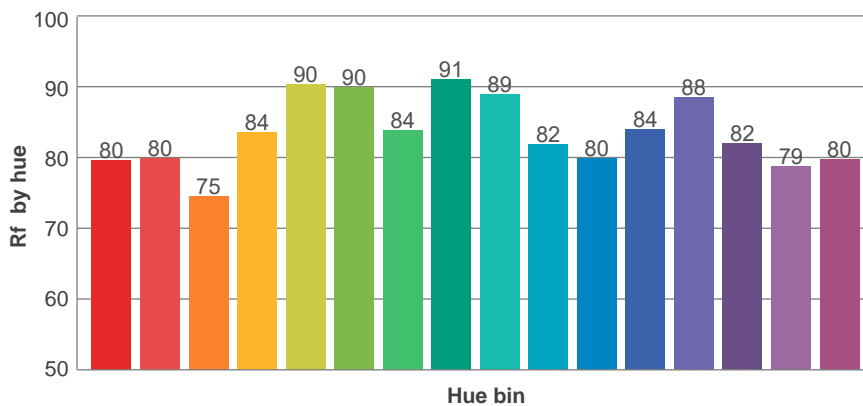
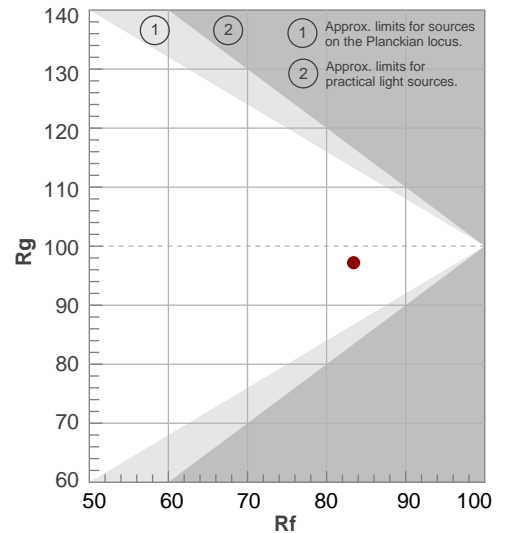
Rf 83.4

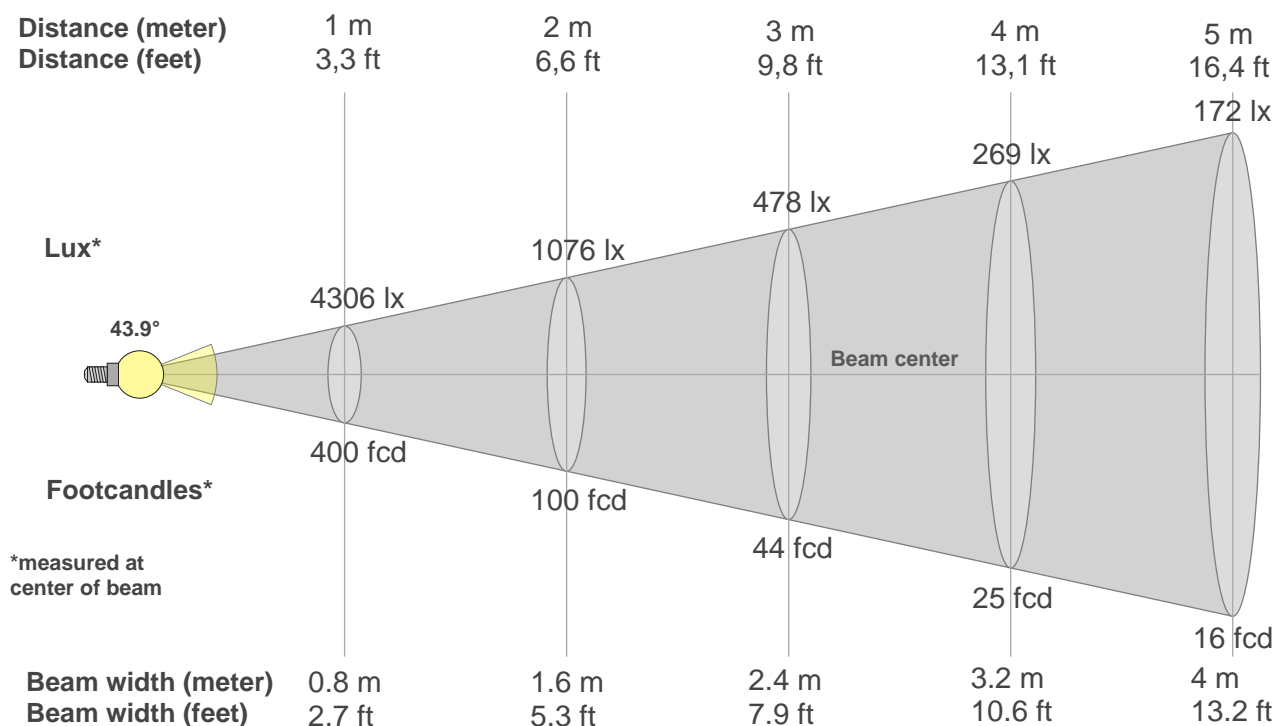
Fidelity index Rf

Rg 97.2

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	75	-3%	13%
4	84	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	80	-3%	14%
12	84	6%	6%
13	88	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
4306lx	1076lx	478lx	269lx	172lx	120lx	88lx	67lx	53lx	43lx	36lx	30lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
400fcd	100fcd	44.4fcd	25fcd	16fcd	11.1fcd	8.2fcd	6.3fcd	4.9fcd	4fcd	3.3fcd	2.8fcd	2.4fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	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°
4306	4288	4224	4108	3949	3756	3532	3285	3013	2735	2454	2176	1904	1660	1429	1216	1029	866	727	604
100%	100%	98%	95%	92%	87%	82%	76%	70%	64%	57%	51%	44%	39%	33%	28%	24%	20%	17%	14%

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°
4306	4274	4197	4079	3916	3708	3475	3220	2949	2669	2396	2128	1867	1618	1391	1183	996	830	686	568
100%	99%	97%	95%	91%	86%	81%	75%	68%	62%	56%	49%	43%	38%	32%	27%	23%	19%	16%	13%

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°
4306	4280	4213	4091	3926	3729	3504	3252	2982	2714	2445	2175	1918	1671	1441	1229	1037	874	733	609
100%	99%	98%	95%	91%	87%	81%	76%	69%	63%	57%	51%	45%	39%	33%	29%	24%	20%	17%	14%

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°
4306	4288	4211	4092	3932	3734	3507	3244	2970	2690	2409	2126	1864	1615	1383	1176	997	839	698	573
100%	100%	98%	95%	91%	87%	81%	75%	69%	62%	56%	49%	43%	38%	32%	27%	23%	19%	16%	13%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
43.9°	82.3°	107.2°	98.8%	92.8%