

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 81.5

Color temperature:

3056 K

Output: 2909 lm

Peak: 8099 cd

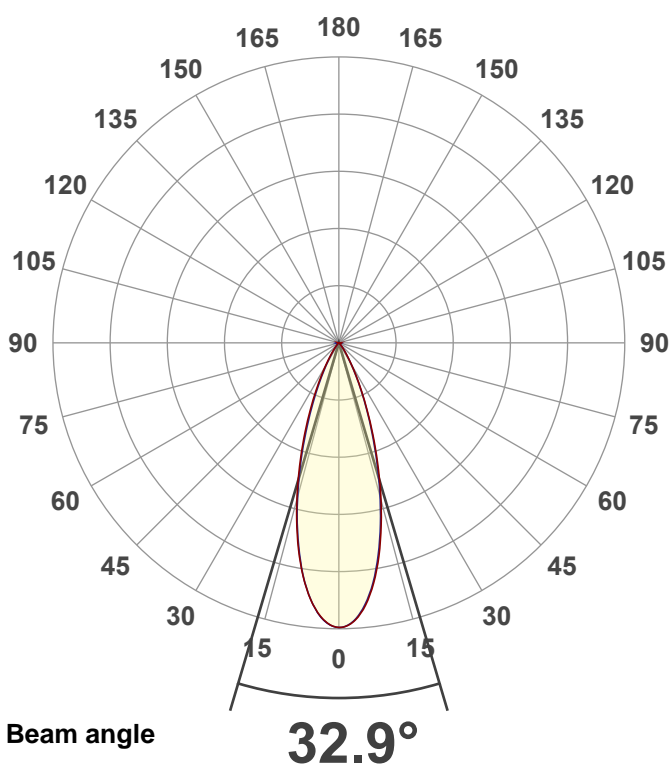
Power: 37.9 W

PF: 0.98



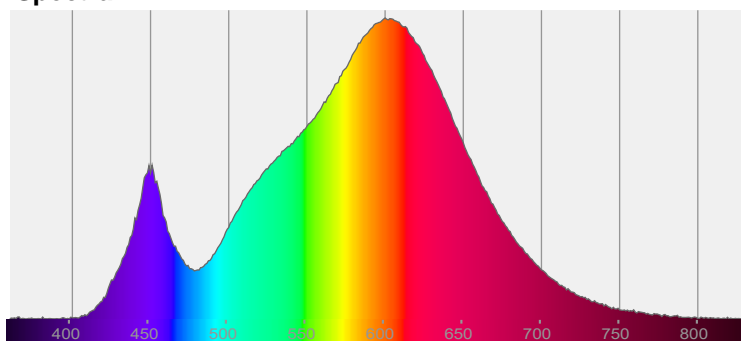
NU3-RA-SW-40LM-30K-80-35D-NA-HET-WH

Date and time:
5/12/2022 4:06:15 PM

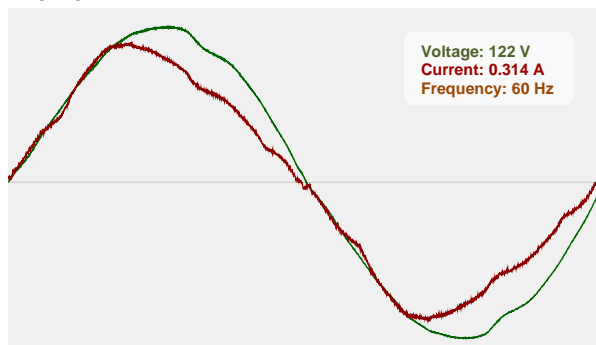


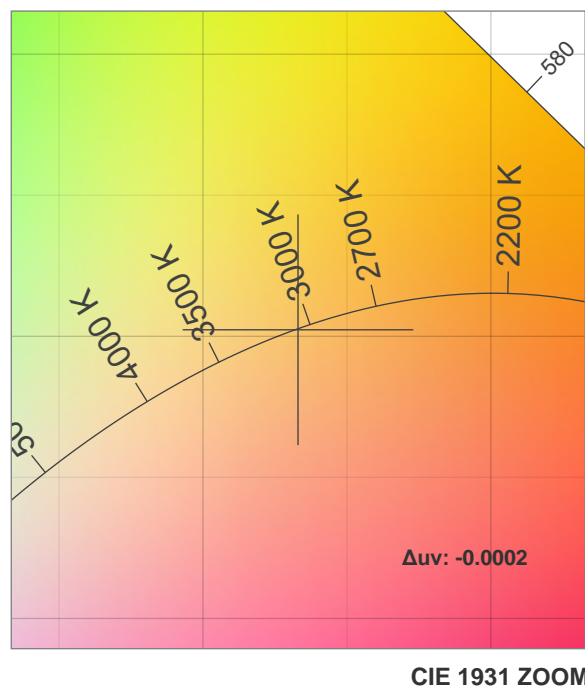
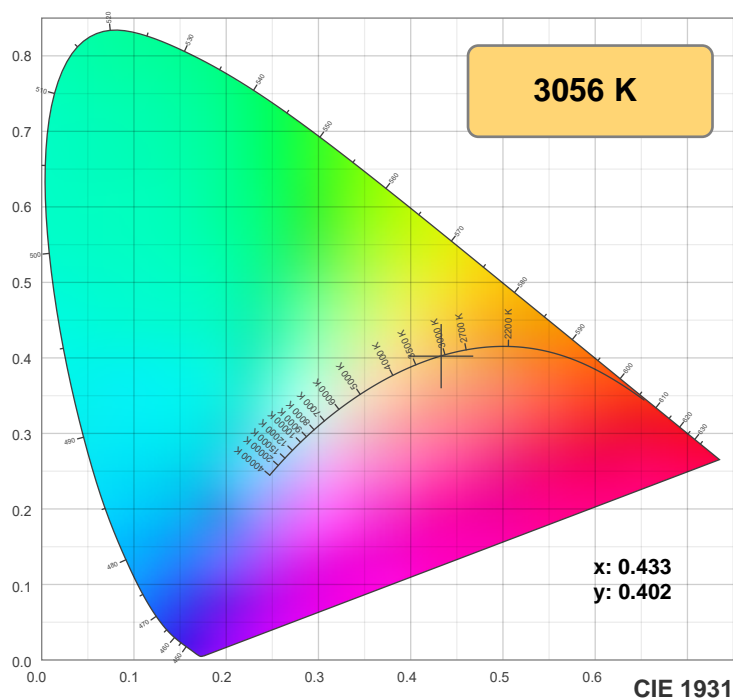
CIE 1931
x: 0.433
y: 0.402

Spectra

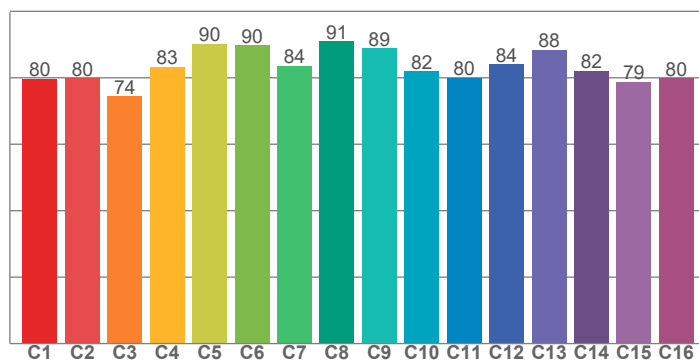


Power

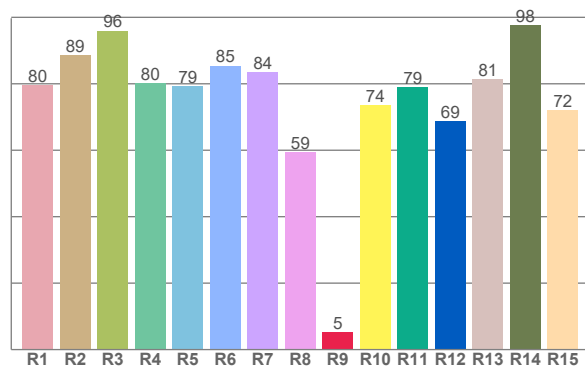




TM30: 83.4



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	79.3	85.4	83.5	59.4	5.2	73.6	78.9	68.8	81.5	97.7	72.0

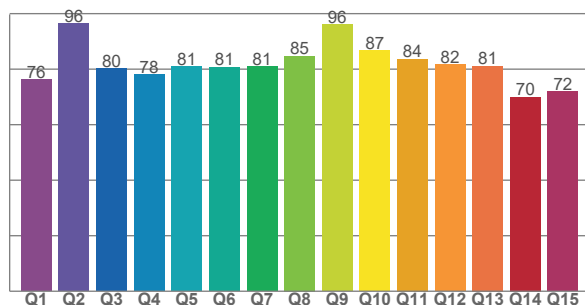
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.7	79.8	74.4	83.3	90.2	89.7	83.6	90.9	88.9	82.0	79.9	84.0	88.5	82.0	78.8	79.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.3	96.4	80.2	78.0	81.0	80.7	80.9	84.8	96.1	86.8	83.7	81.7	81.2	70.0	72.0

CQS: 80.5



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
3056 K	81.5	5.2	83.4	97.3	80.5	0.433	0.402	0.249	0.347	-0.0002

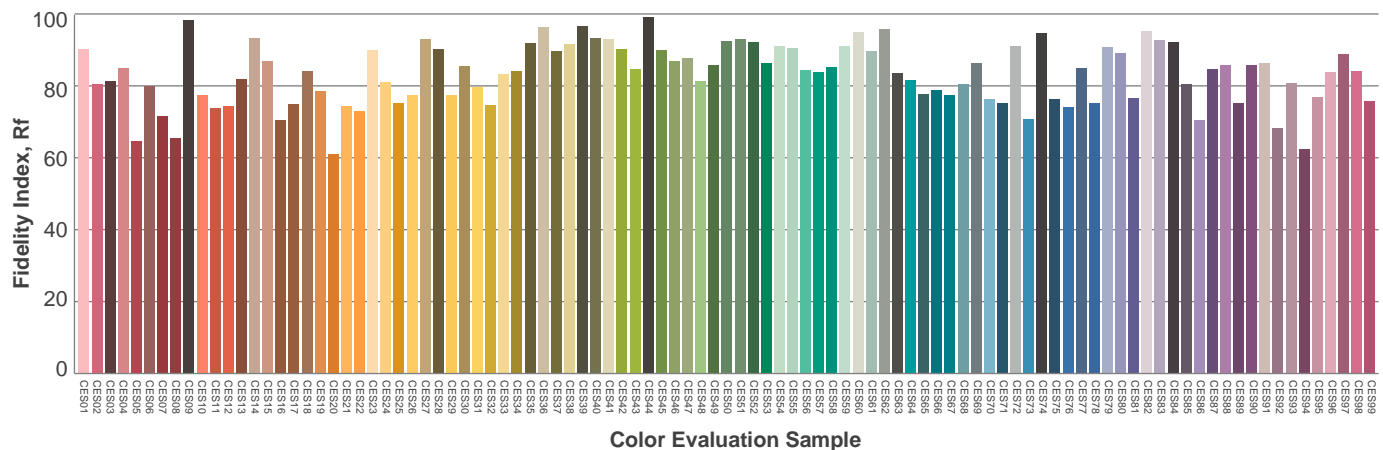
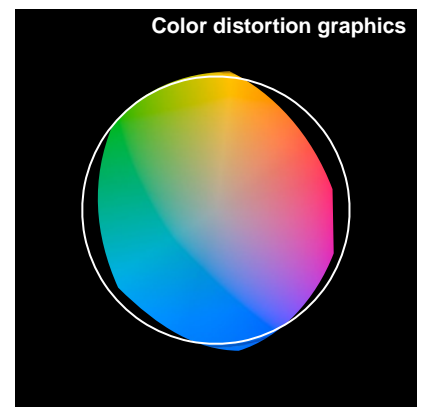
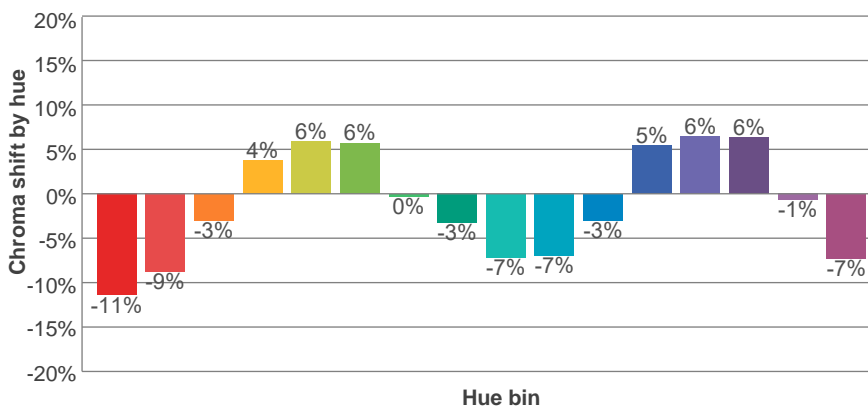
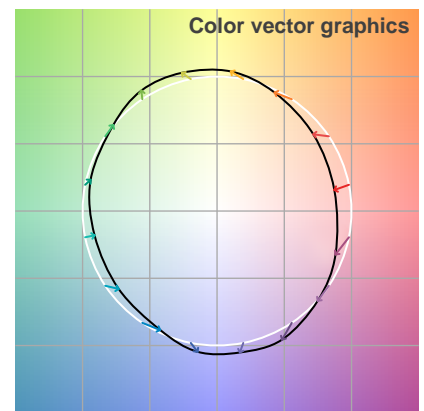
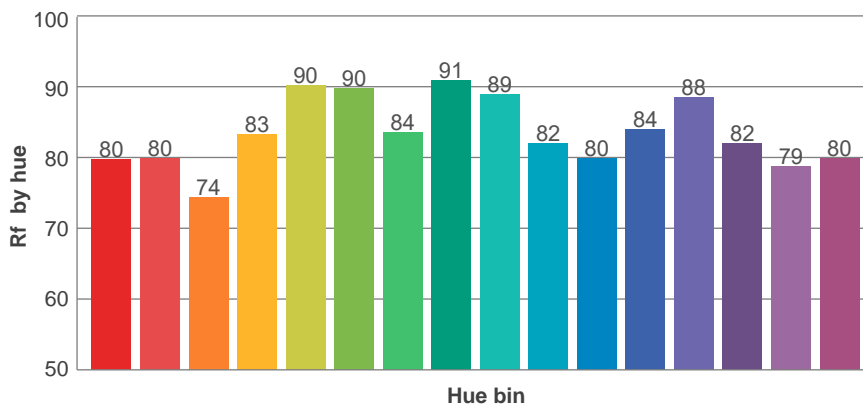
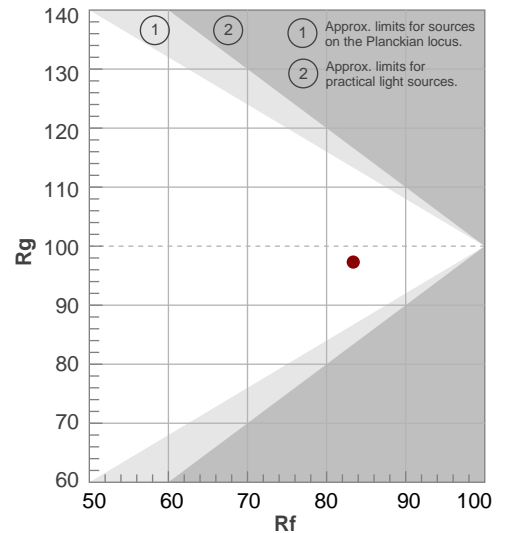
Rf 83.4

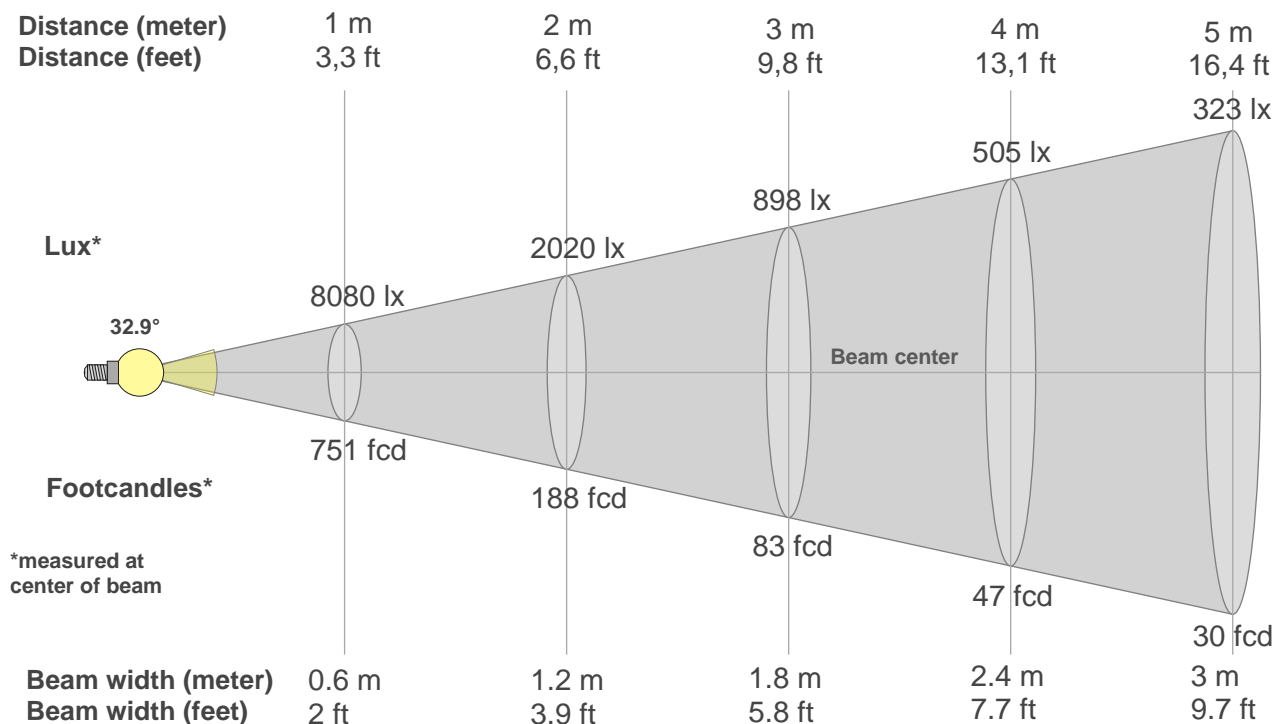
Fidelity index Rf

Rg 97.3

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-2%
2	80	-9%	8%
3	74	-3%	13%
4	83	4%	10%
5	90	6%	6%
6	90	6%	-3%
7	84	0%	-10%
8	91	-3%	-4%
9	89	-7%	0%
10	82	-7%	8%
11	80	-3%	14%
12	84	5%	6%
13	88	6%	-4%
14	82	6%	-13%
15	79	-1%	-14%
16	80	-7%	-14%





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
8080lx	2020lx	898lx	505lx	323lx	224lx	165lx	126lx	100lx	81lx	67lx	56lx	48lx	41lx	36lx	32lx	28lx	25lx	22lx	20lx
750.7fc	187.7fc	83.4fcd	46.9fcd	30fcd	20.9fcd	15.3fcd	11.7fcd	9.3fcd	7.5fcd	6.2fcd	5.2fcd	4.4fcd	3.8fcd	3.3fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd	1.9fcd

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°
8080	8017	7811	7466	6974	6377	5704	4996	4278	3555	2900	2306	1796	1369	1013	724	520	364	252	171
100%	99%	97%	92%	86%	79%	71%	62%	53%	44%	36%	29%	22%	17%	13%	9%	6%	5%	3%	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°
8080	8005	7781	7417	6927	6302	5617	4898	4170	3460	2800	2234	1737	1316	967	684	477	327	222	149
100%	99%	96%	92%	86%	78%	70%	61%	52%	43%	35%	28%	22%	16%	12%	8%	6%	4%	3%	2%

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°
8080	7999	7775	7408	6910	6323	5669	4973	4266	3578	2949	2372	1864	1430	1058	780	557	389	268	183
100%	99%	96%	92%	86%	78%	70%	62%	53%	44%	36%	29%	23%	18%	13%	10%	7%	5%	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°
8080	8007	7791	7397	6894	6288	5614	4908	4167	3469	2804	2212	1705	1278	931	674	475	326	219	144
100%	99%	96%	92%	85%	78%	69%	61%	52%	43%	35%	27%	21%	16%	12%	8%	6%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32.9°	58.6°	73.7°	99.7%	98.8%