

Light efficiency:

73 Lumen/Watt

Light quality:

CRI: 81.7

Color temperature:

3066 K

Output: 2766 lm

Peak: 3590 cd

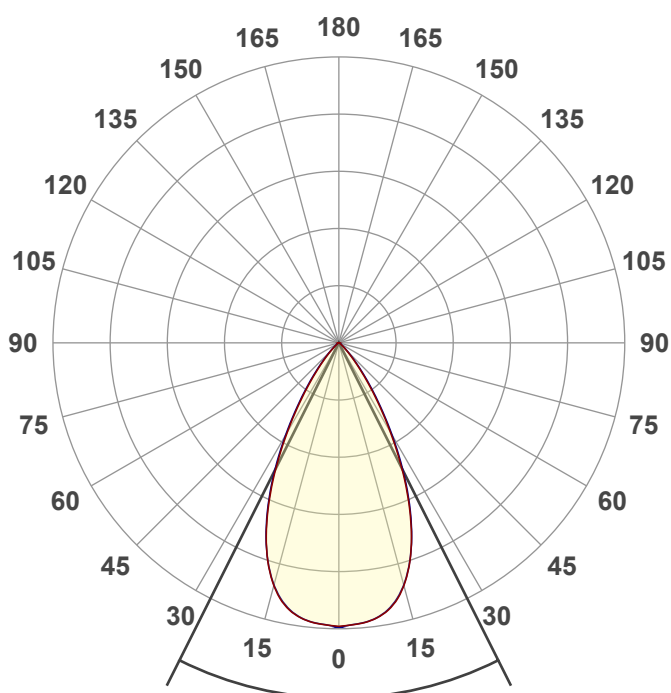
Power: 37.9 W

PF: 0.98



NU3-RA-SW-40LM-30K-80-55D-NA-HET-WH

Date and time:
5/12/2022 4:15:36 PM



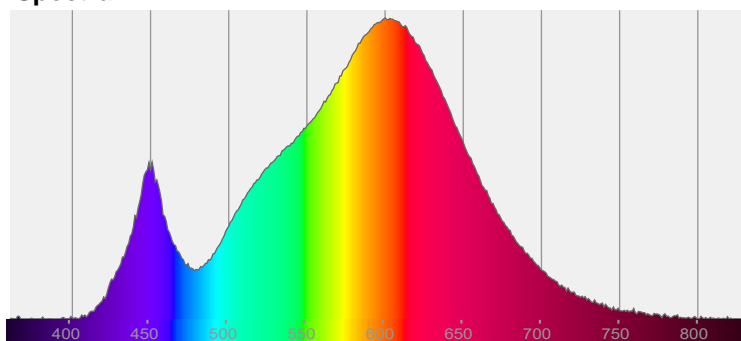
Beam angle

53.3°

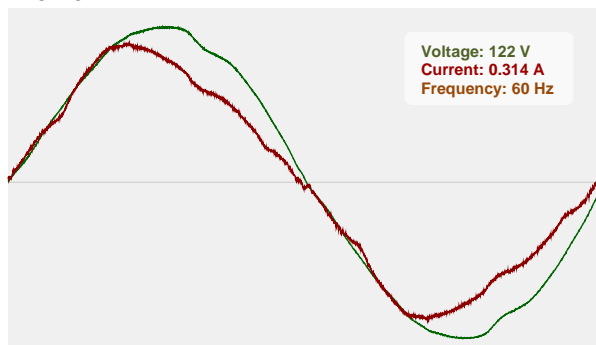


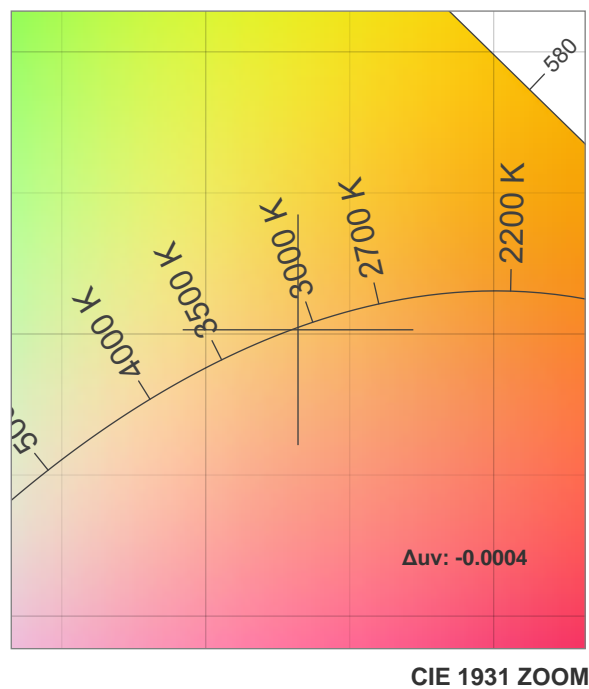
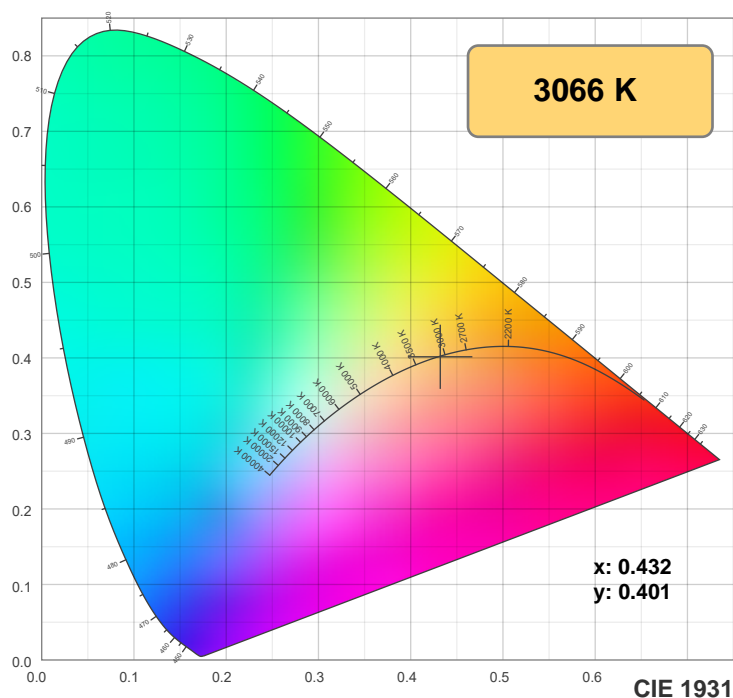
CIE 1931
x: 0.432
y: 0.401

Spectra

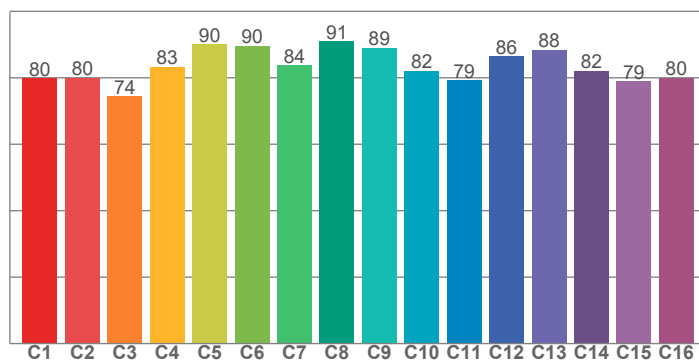


Power

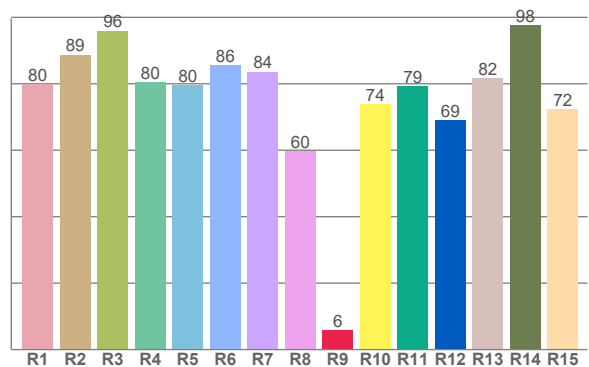




TM30: 83.4



CRI: 81.7 (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
79.8	88.7	96.0	80.4	79.5	85.6	83.6	59.7	5.9	73.8	79.2	69.1	81.7	97.7	72.3

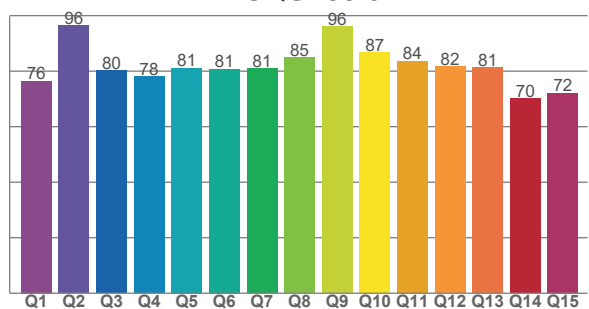
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.9	79.9	74.4	83.3	90.1	89.7	83.7	91.0	89.0	82.1	79.2	86.4	88.5	82.1	78.9	79.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.5	96.5	80.2	78.1	81.1	80.8	81.0	84.9	96.1	86.7	83.6	81.7	81.3	70.2	72.2

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
3066 K	81.7	5.9	83.4	97.6	80.6	0.432	0.401	0.249	0.346	-0.0004

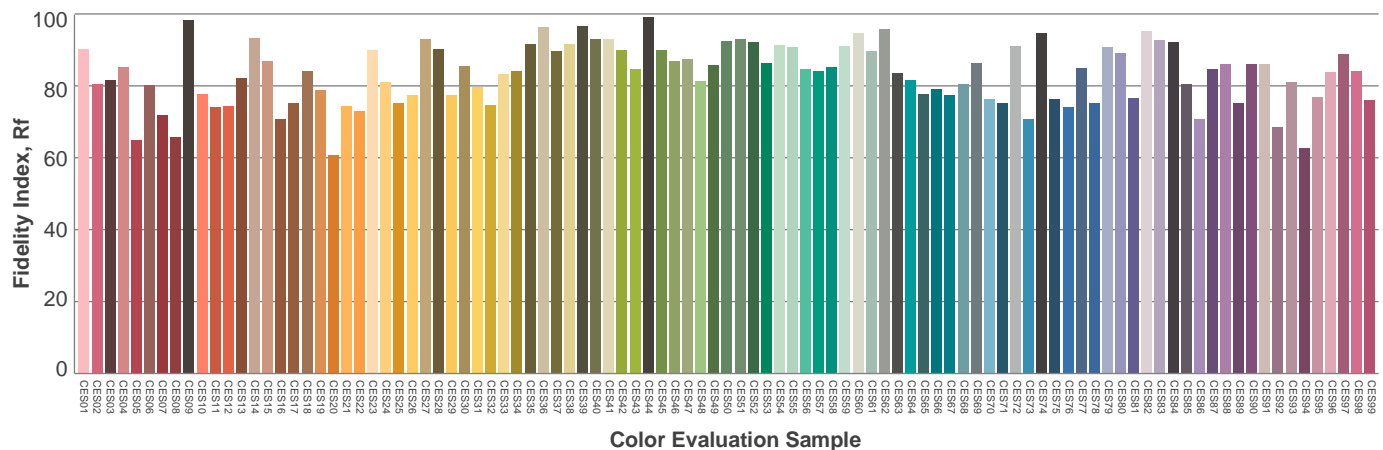
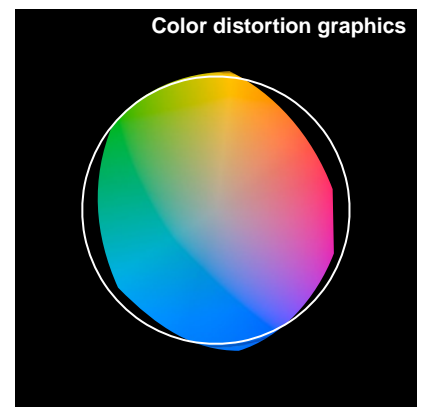
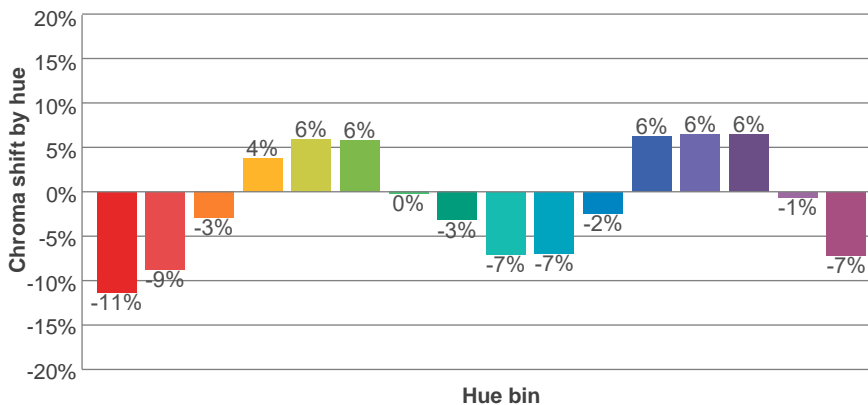
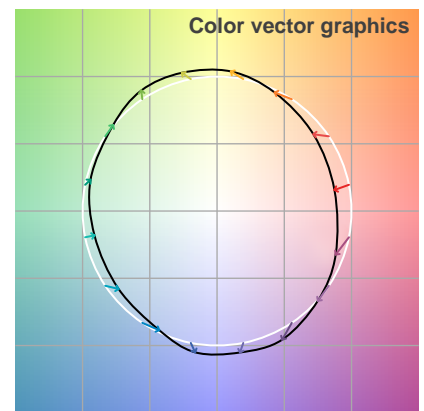
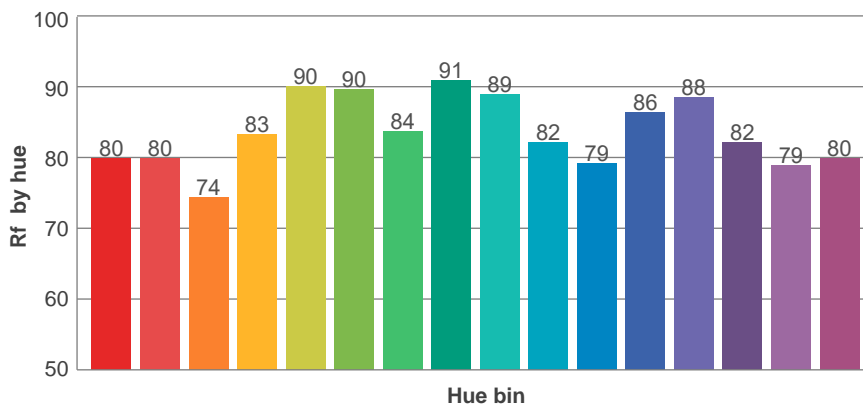
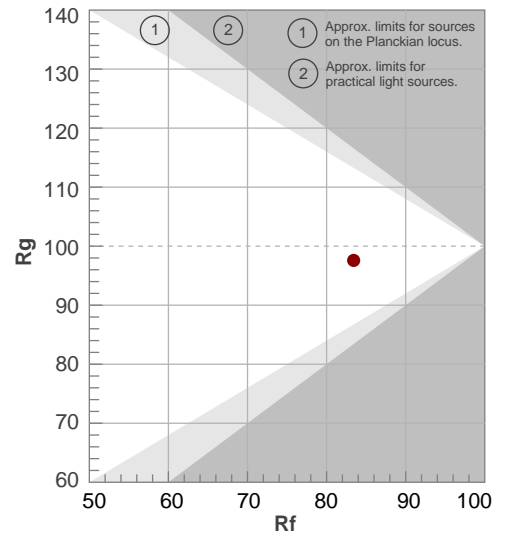
Rf 83.4

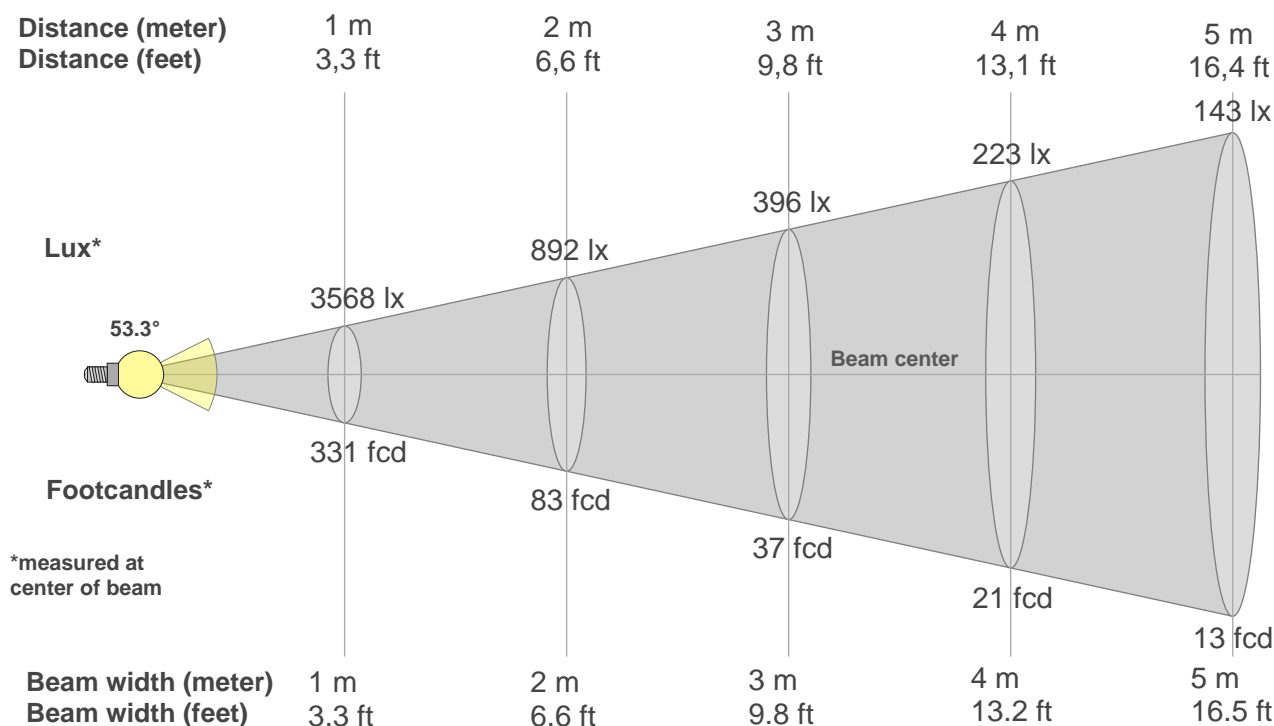
Fidelity index Rf

Rg 97.6

Gammut 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	79	-2%	13%
12	86	6%	5%
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
3568lx	892lx	396lx	223lx	143lx	99lx	73lx	56lx	44lx	36lx	29lx	25lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
331.5fcd	82.9fcd	36.8fcd	20.7fcd	13.3fcd	9.2fcd	6.8fcd	5.2fcd	4.1fcd	3.3fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3568	3570	3558	3538	3505	3447	3360	3241	3088	2903	2676	2423	2152	1869	1580	1305	1052	825	628	471
100%	100%	100%	99%	98%	97%	94%	91%	87%	81%	75%	68%	60%	52%	44%	37%	29%	23%	18%	13%

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°
3568	3571	3555	3535	3500	3441	3351	3231	3080	2898	2681	2437	2174	1900	1619	1347	1096	871	676	513
100%	100%	100%	99%	98%	96%	94%	91%	86%	81%	75%	68%	61%	53%	45%	38%	31%	24%	19%	14%

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°
3568	3570	3558	3538	3505	3447	3360	3241	3088	2903	2676	2423	2152	1869	1580	1305	1052	825	628	471
100%	100%	100%	99%	98%	97%	94%	91%	87%	81%	75%	68%	60%	52%	44%	37%	29%	23%	18%	13%

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°
3568	3571	3555	3535	3500	3441	3351	3231	3080	2898	2681	2437	2174	1900	1619	1347	1096	871	676	513
100%	100%	100%	99%	98%	96%	94%	91%	86%	81%	75%	68%	61%	53%	45%	38%	31%	24%	19%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
53.3°	80°	96.3°	99.4%	96.9%