

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 84.1

Color temperature:

3078 K

Output: 2749 lm

Peak: 4241 cd

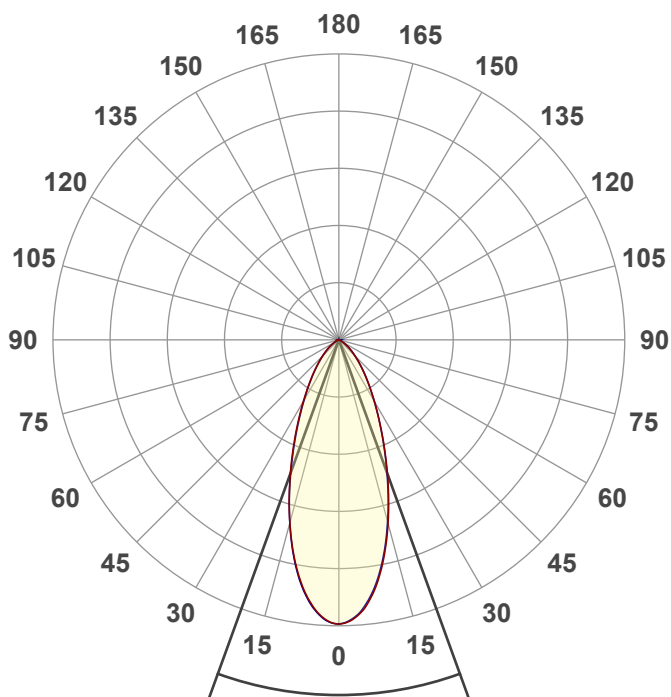
Power: 33.8 W

PF: 0.98



NU4-RD-TW-30LM-2750-80-20D-DL-WH-WH

Date and time:
4/3/2023 9:06:56 AM



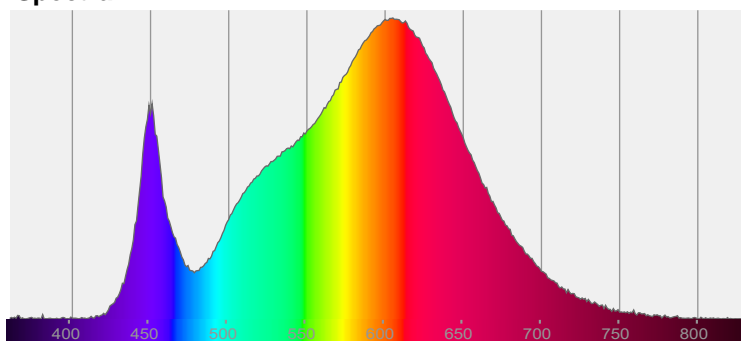
Beam angle

39.8°

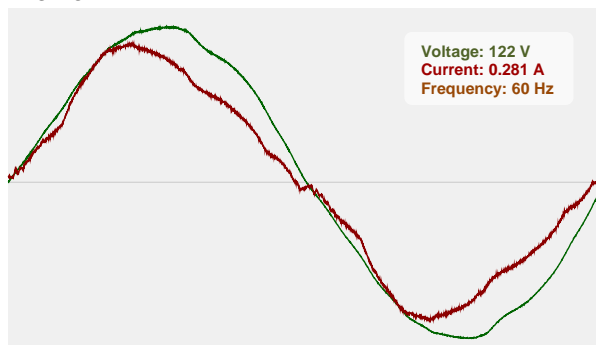


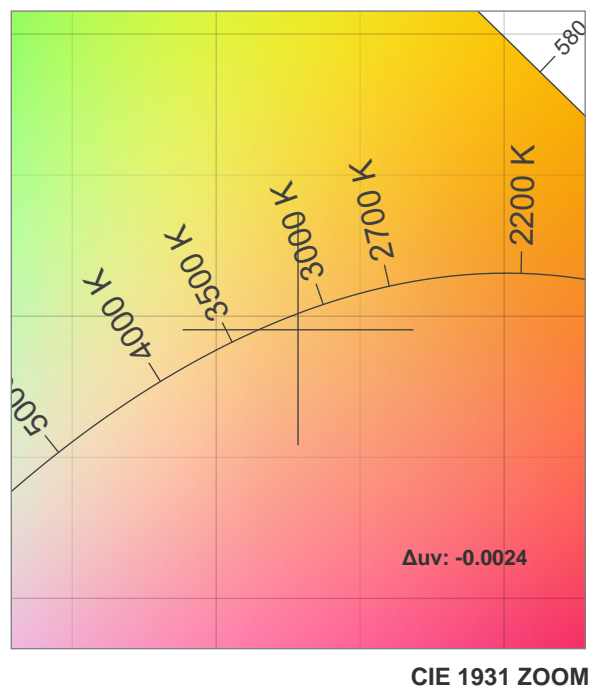
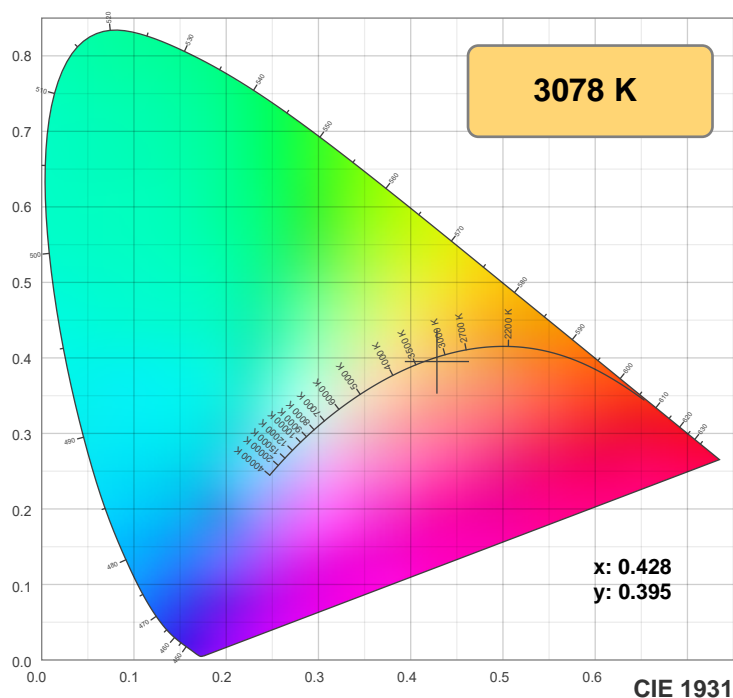
CIE 1931
x: 0.428
y: 0.395

Spectra

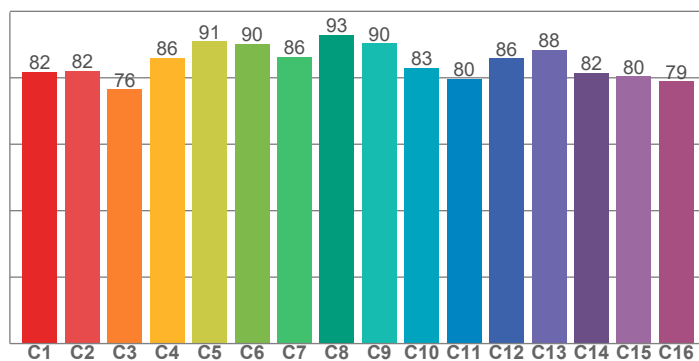


Power

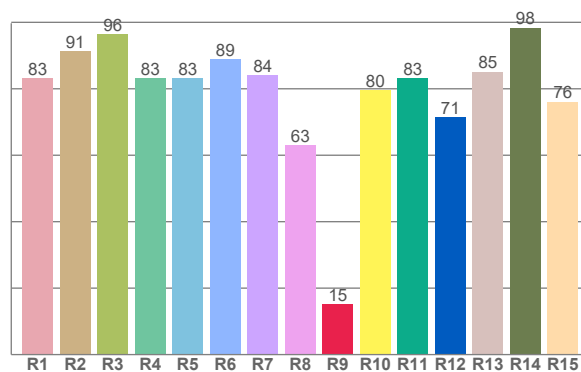




TM30: 84.6



CRI: 84.1 (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
83.1	91.2	96.5	83.1	83.1	88.9	84.0	63.0	15.2	79.6	83.1	71.3	85.1	98.4	76.1

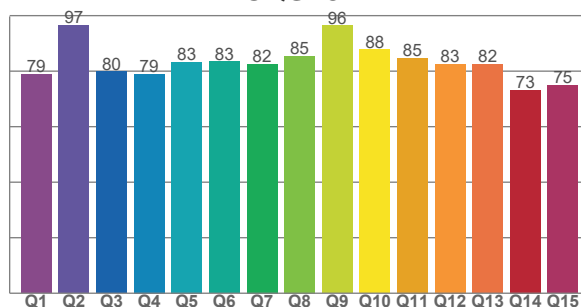
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.8	82.0	76.5	86.0	90.9	90.2	86.3	92.8	90.3	83.0	79.6	85.8	88.5	81.5	80.4	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	96.5	79.9	79.0	83.3	83.5	82.5	85.4	96.4	87.7	84.7	82.6	82.5	73.2	74.9

CQS: 82.1



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
3078 K	84.1	15.2	84.6	98.8	82.1	0.428	0.395	0.249	0.344	-0.0024

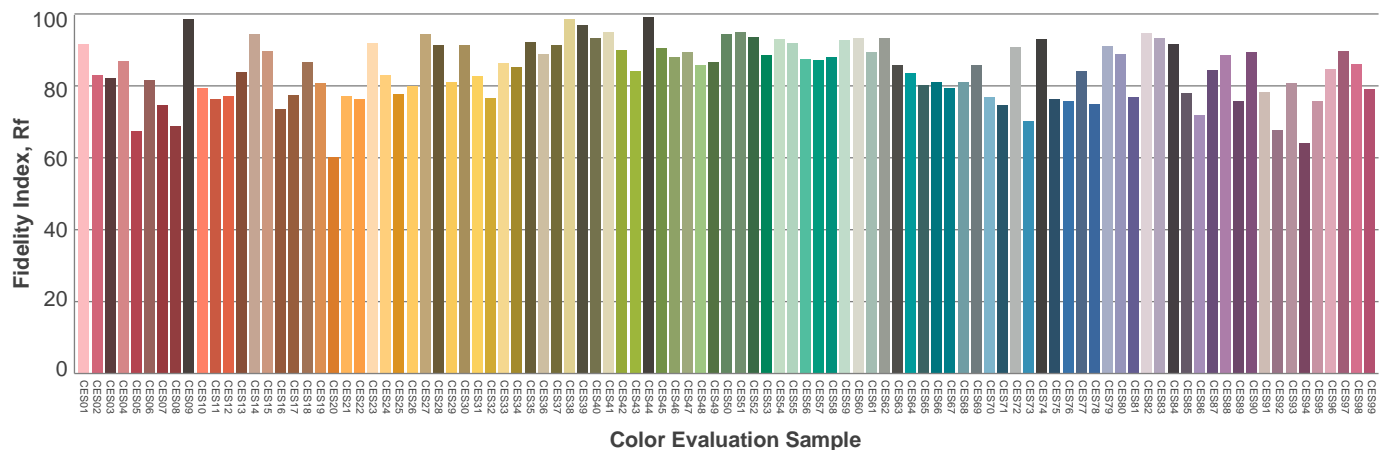
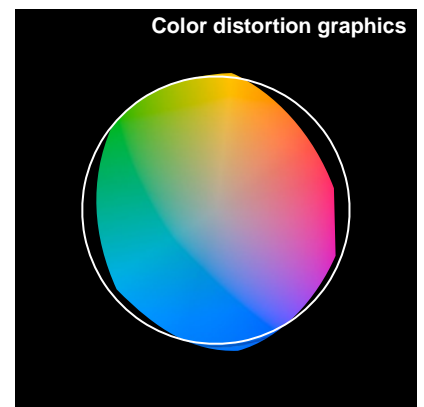
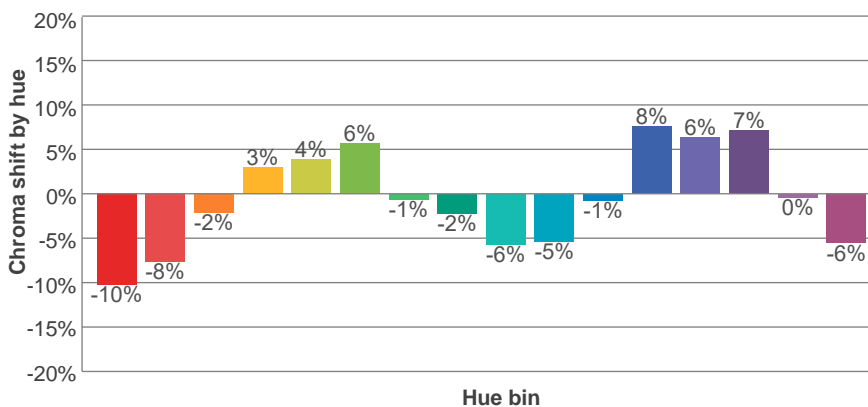
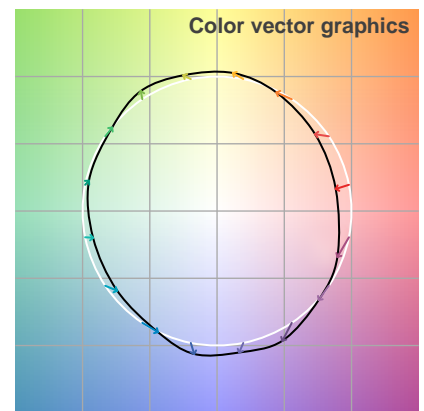
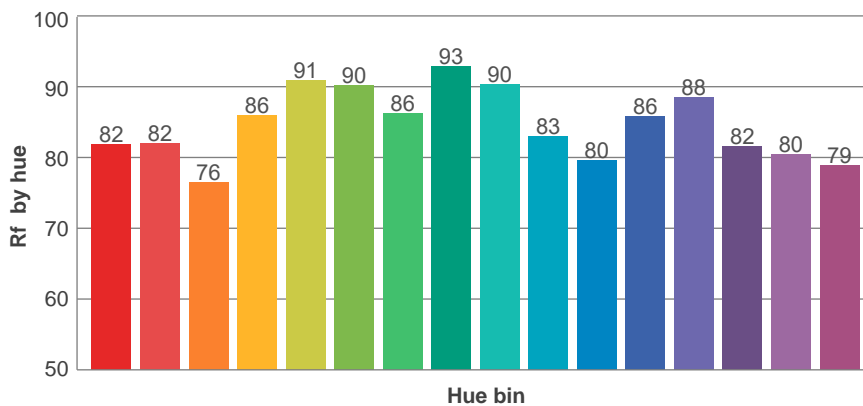
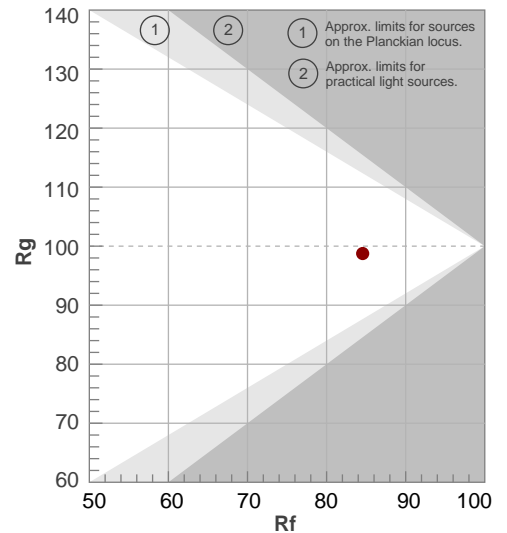
Rf 84.6

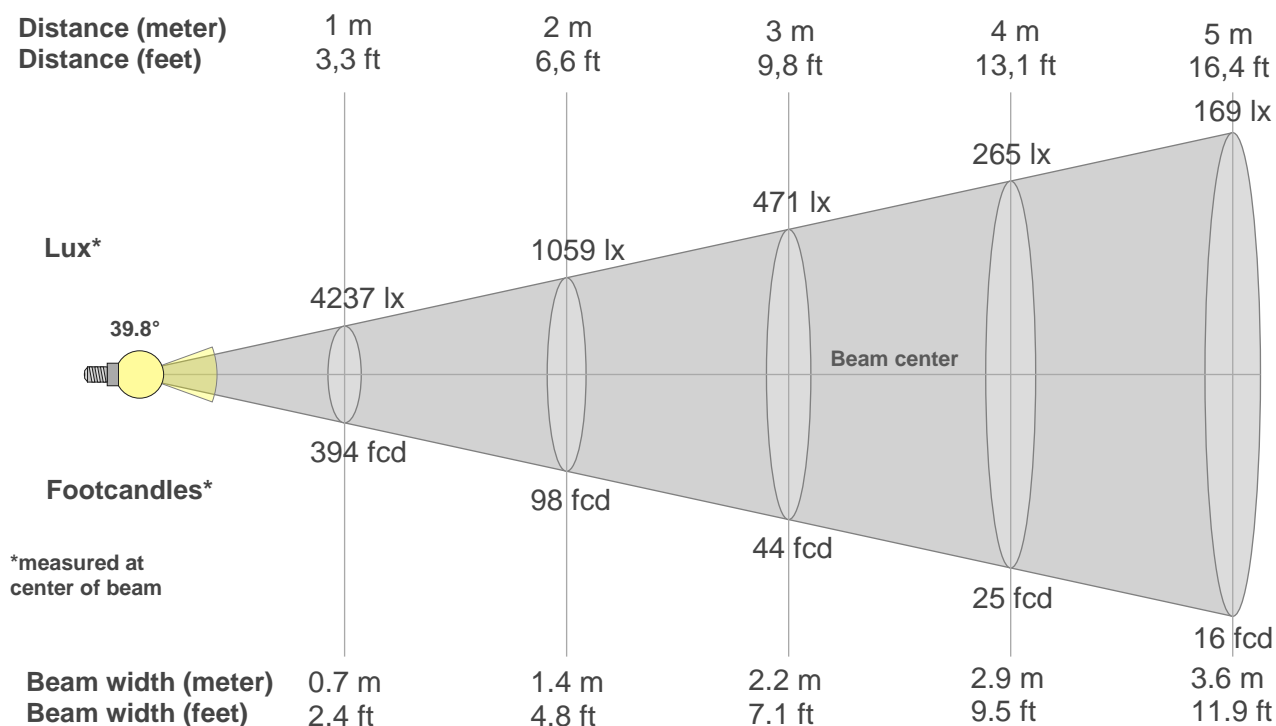
Fidelity index Rf

Rg 98.8

Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-1%
2	82	-8%	7%
3	76	-2%	12%
4	86	3%	8%
5	91	4%	5%
6	90	6%	-2%
7	86	-1%	-8%
8	93	-2%	-4%
9	90	-6%	1%
10	83	-5%	8%
11	80	-1%	13%
12	86	8%	4%
13	88	6%	-4%
14	82	7%	-13%
15	80	0%	-13%
16	79	-6%	-16%





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
4237lx	1059lx	471lx	265lx	169lx	118lx	86lx	66lx	52lx	42lx	35lx	29lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
393.6fcd	98.4fcd	43.7fcd	24.6fcd	15.7fcd	10.9fcd	8fcd	6.2fcd	4.9fcd	3.9fcd	3.3fcd	2.7fcd	2.3fcd	2fcd	1.7fcd	1.5fcd	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°
4237	4204	4119	3976	3781	3541	3270	2984	2688	2396	2115	1855	1618	1405	1222	1061	919	798	691	597
100%	99%	97%	94%	89%	84%	77%	70%	63%	57%	50%	44%	38%	33%	29%	25%	22%	19%	16%	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°
4237	4194	4102	3948	3749	3512	3242	2954	2665	2375	2096	1839	1606	1396	1215	1052	912	791	684	591
100%	99%	97%	93%	88%	83%	77%	70%	63%	56%	49%	43%	38%	33%	29%	25%	22%	19%	16%	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°
4237	4203	4105	3955	3759	3521	3256	2970	2680	2392	2115	1857	1622	1411	1223	1061	918	796	691	596
100%	99%	97%	93%	89%	83%	77%	70%	63%	56%	50%	44%	38%	33%	29%	25%	22%	19%	16%	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°
4237	4207	4116	3972	3775	3540	3268	2976	2677	2382	2095	1829	1593	1380	1196	1034	896	778	674	583
100%	99%	97%	94%	89%	84%	77%	70%	63%	56%	49%	43%	38%	33%	28%	24%	21%	18%	16%	14%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
39.8°	84.8°	113.3°	98.2%	89.6%