

Light efficiency:

82 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3082 K

Output: 2786 lm

Peak: 5572 cd

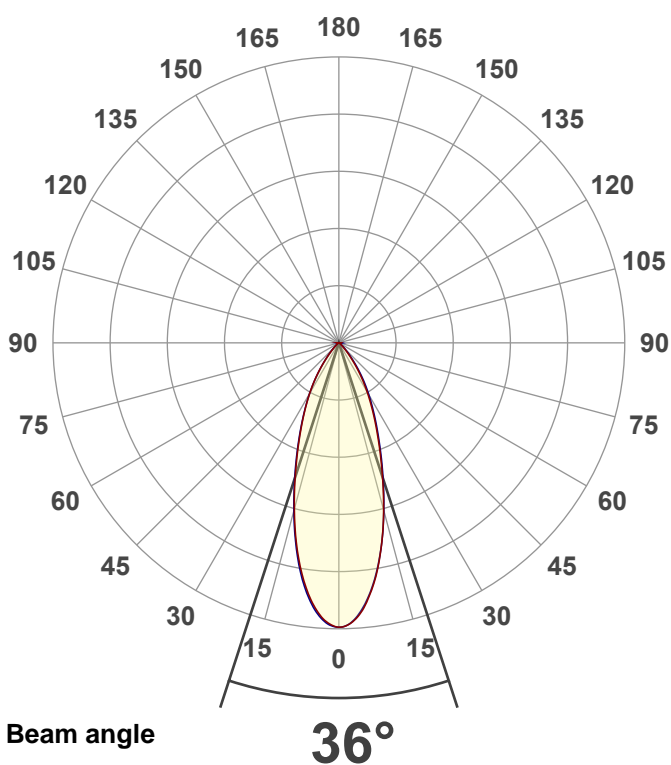
Power: 33.9 W

PF: 0.98



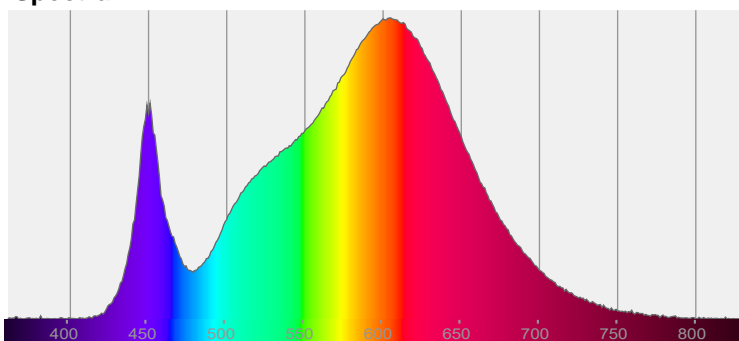
NU4-RD-TW-30LM-2750-80-35D-HET-WH-WH

Date and time:
4/3/2023 12:02:41 PM

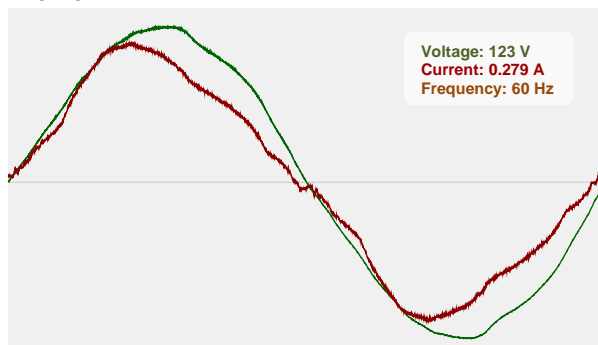


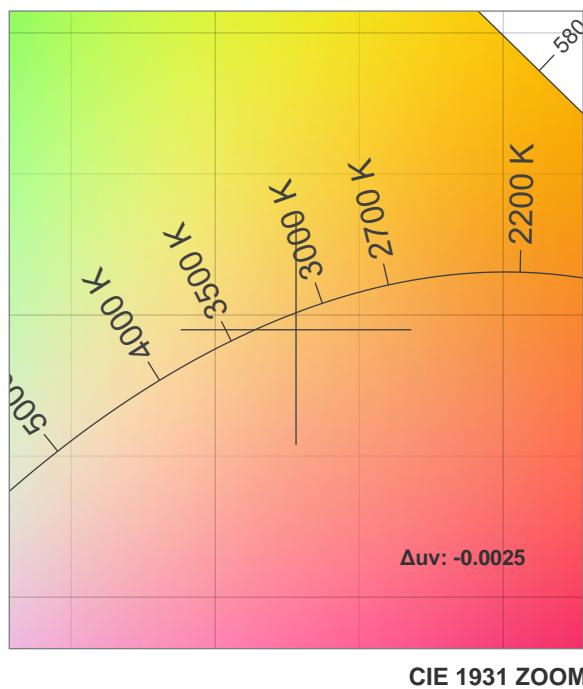
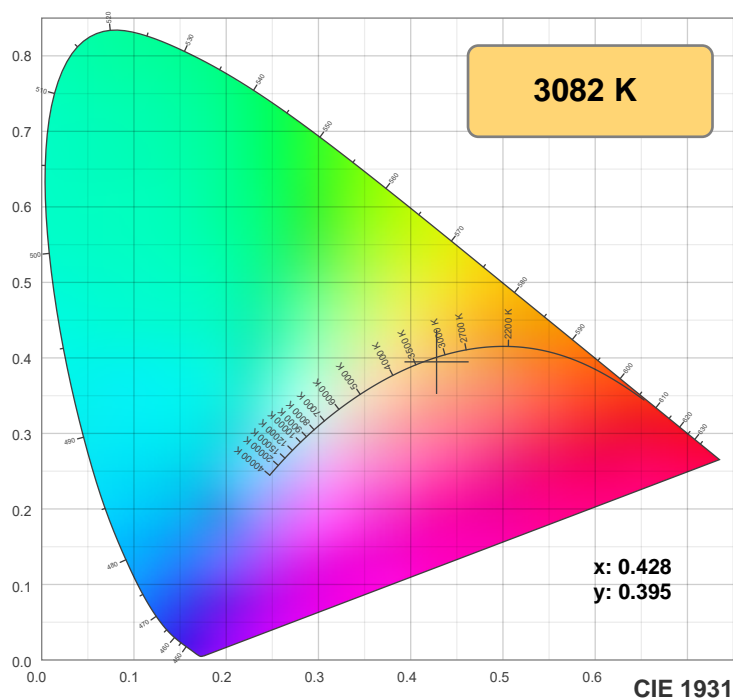
CIE 1931
x: 0.428
y: 0.395

Spectra

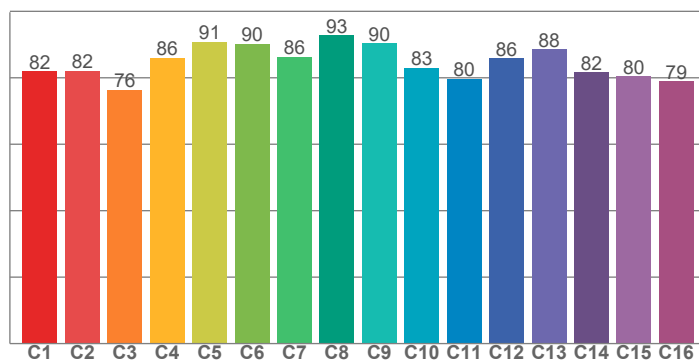


Power

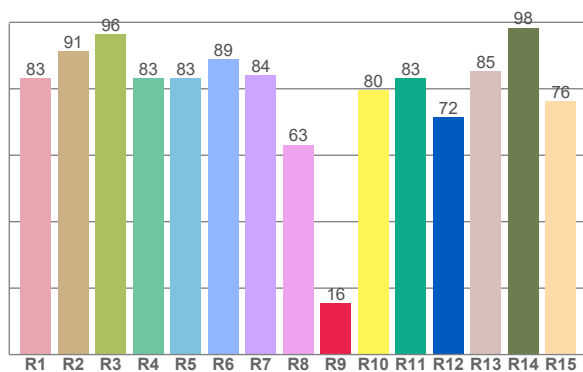




TM30: 84.6



CRI: 84.2 (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
83.2	91.3	96.4	83.2	83.2	88.9	84.0	63.1	15.5	79.7	83.2	71.5	85.2	98.4	76.2

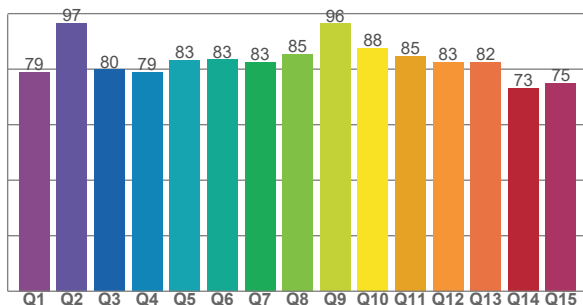
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	82.0	76.4	85.9	90.9	90.1	86.3	92.8	90.4	83.1	79.6	85.8	88.5	81.6	80.4	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.9	96.6	79.9	79.0	83.4	83.5	82.5	85.4	96.4	87.7	84.7	82.5	82.5	73.3	75.0

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
3082 K	84.2	15.5	84.6	98.8	82.1	0.428	0.395	0.249	0.344	-0.0025

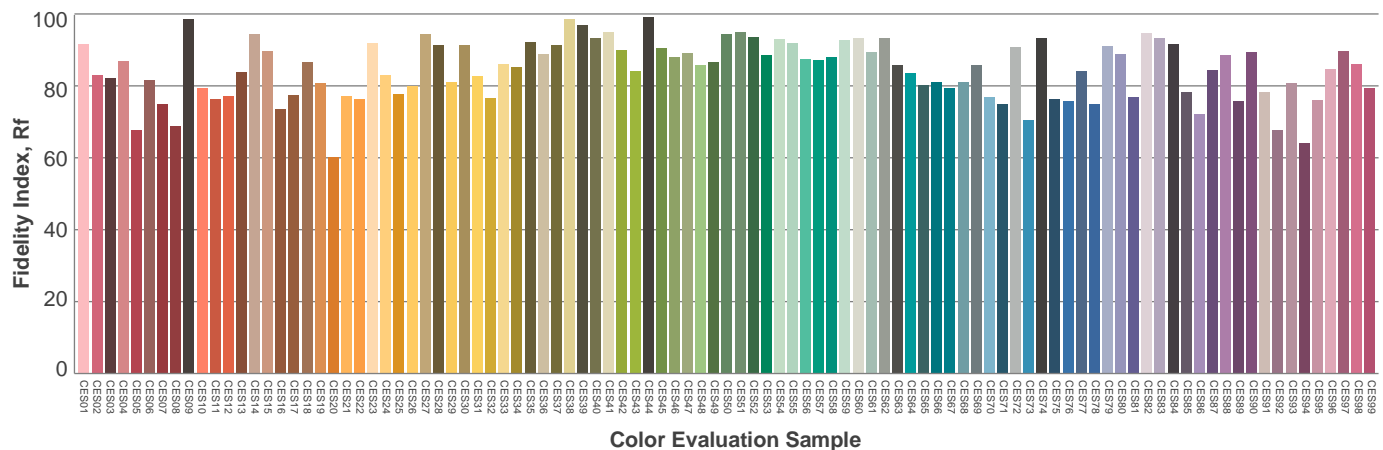
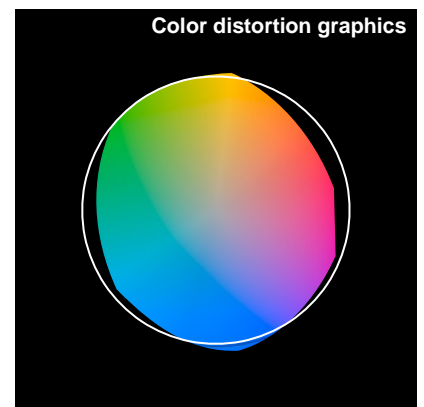
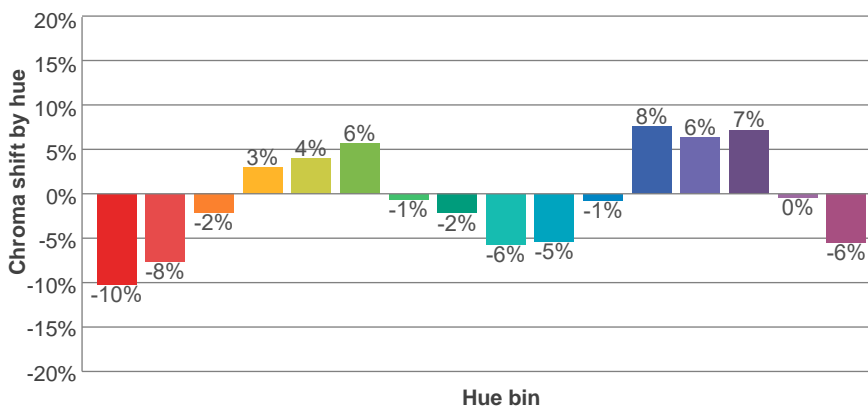
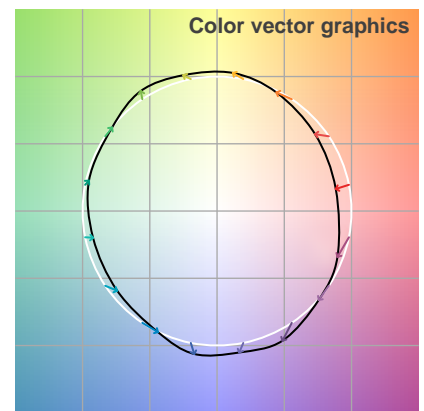
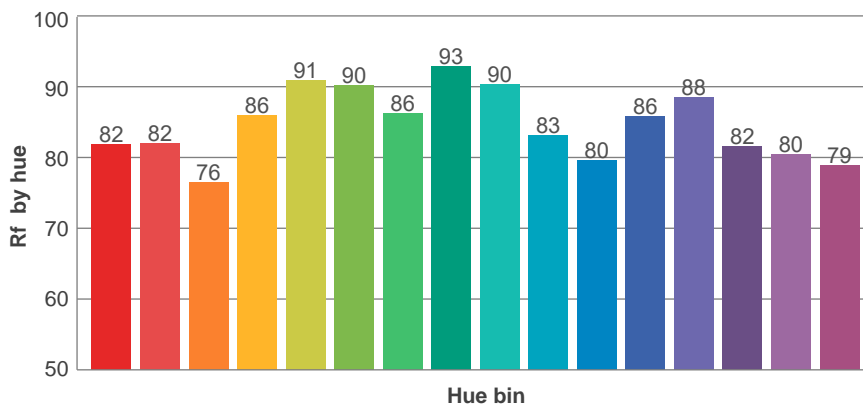
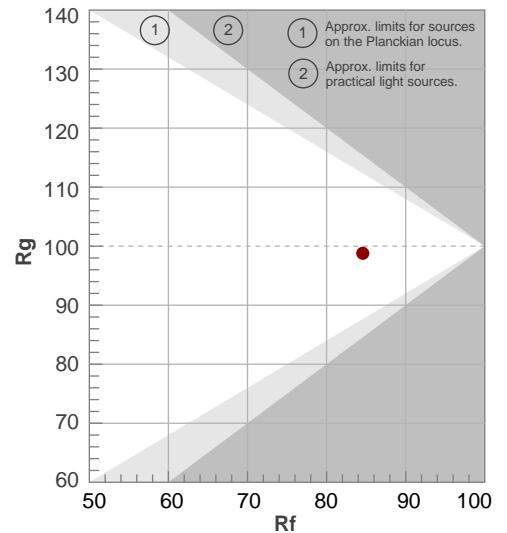
Rf 84.6

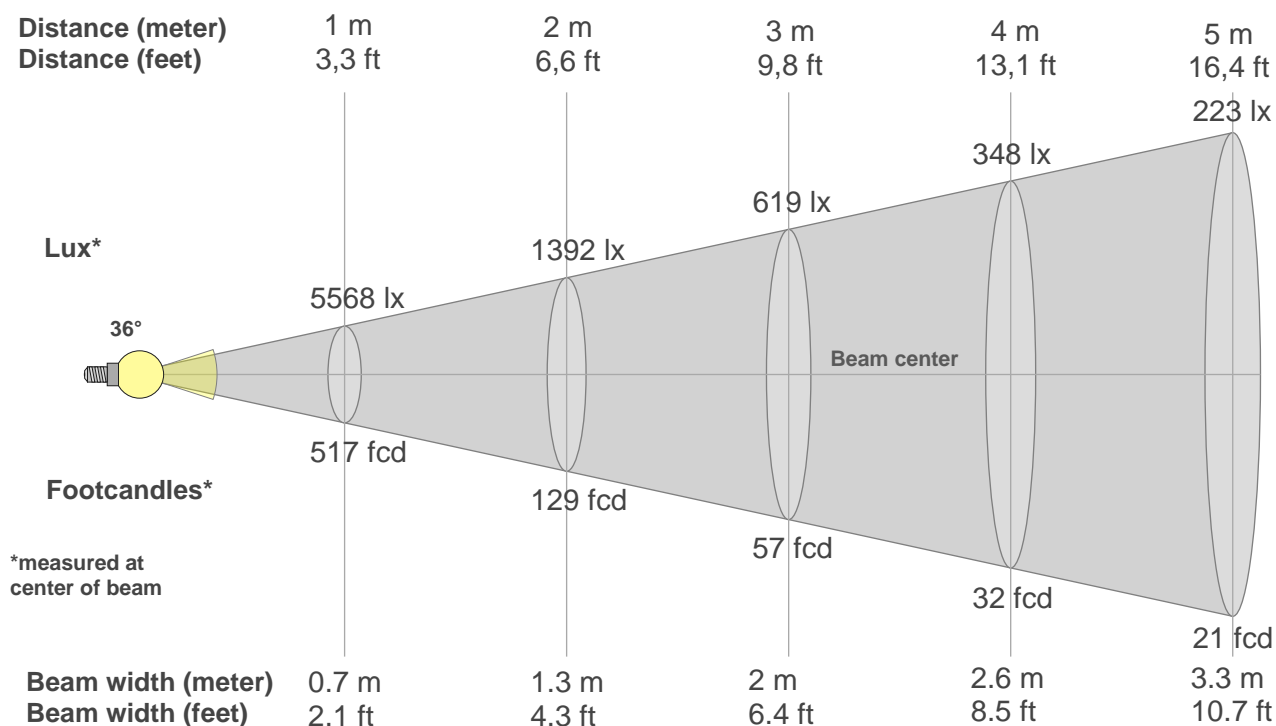
Fidelity index Rf

Rg 98.8

Gamut 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%	9%
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
5568lx	1392lx	619lx	348lx	223lx	155lx	114lx	87lx	69lx	56lx	46lx	39lx	33lx	28lx	25lx	22lx	19lx	17lx	15lx	14lx
517.3fcd	129.3fcd	57.5fcd	32.3fcd	20.7fcd	14.4fcd	10.6fcd	8.1fcd	6.4fcd	5.2fcd	4.3fcd	3.6fcd	3.1fcd	2.6fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd

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°
5568	5519	5376	5125	4810	4441	4029	3608	3178	2773	2402	2078	1792	1539	1313	1107	919	742	577	432
100%	99%	97%	92%	86%	80%	72%	65%	57%	50%	43%	37%	32%	28%	24%	20%	16%	13%	10%	8%

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°
5568	5519	5349	5099	4788	4422	4028	3612	3200	2805	2449	2124	1842	1595	1374	1175	991	814	651	501
100%	99%	96%	92%	86%	79%	72%	65%	57%	50%	44%	38%	33%	29%	25%	21%	18%	15%	12%	9%

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°
5568	5504	5340	5094	4775	4407	4007	3584	3169	2773	2413	2093	1813	1567	1346	1146	954	773	605	453
100%	99%	96%	91%	86%	79%	72%	64%	57%	50%	43%	38%	33%	28%	24%	21%	17%	14%	11%	8%

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°
5568	5524	5376	5136	4828	4457	4046	3622	3201	2806	2446	2123	1835	1582	1354	1145	949	765	598	450
100%	99%	97%	92%	87%	80%	73%	65%	57%	50%	44%	38%	33%	28%	24%	21%	17%	14%	11%	8%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
36°	73.3°	90.4°	99.4%	96.9%