

Light efficiency:

81 Lumen/Watt

Light quality:

CRI: 84.2

Color temperature:

3076 K

Output: 2747 lm

Peak: 4913 cd

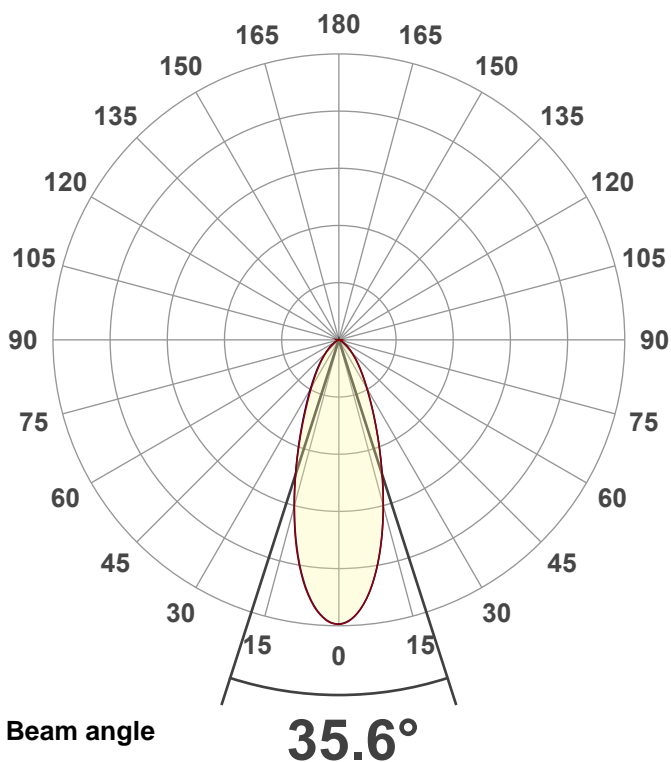
Power: 33.9 W

PF: 0.98



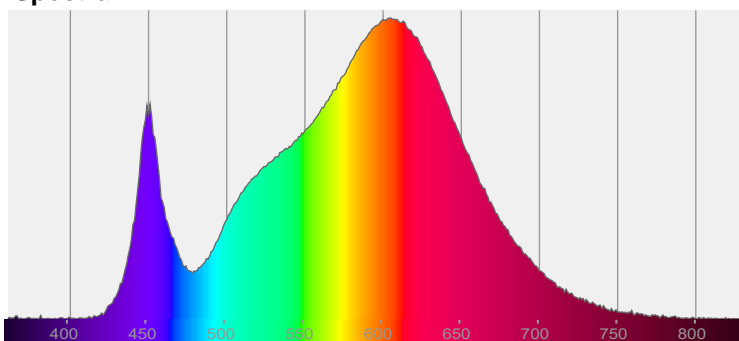
NU4-RD-TW-30LM-2750-80-15D-DL-WH-WH

Date and time:
4/3/2023 8:36:47 AM

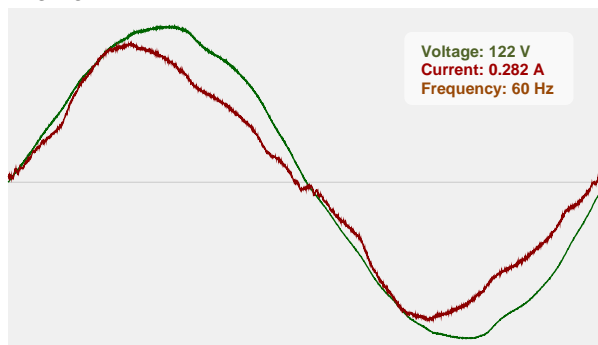


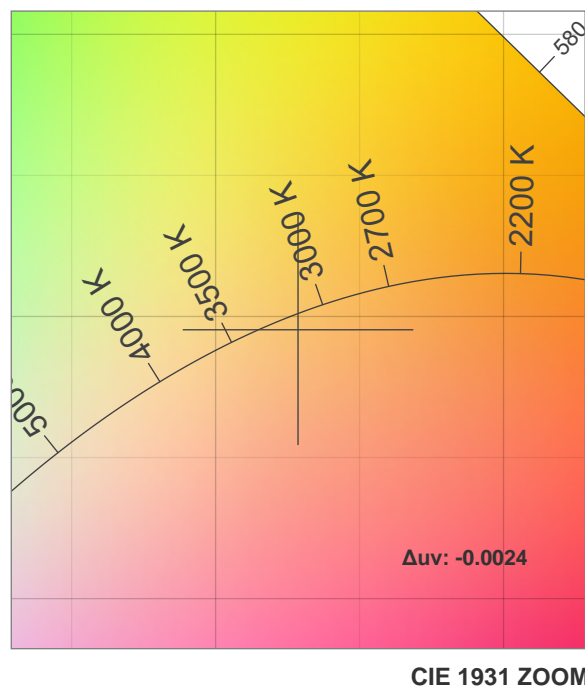
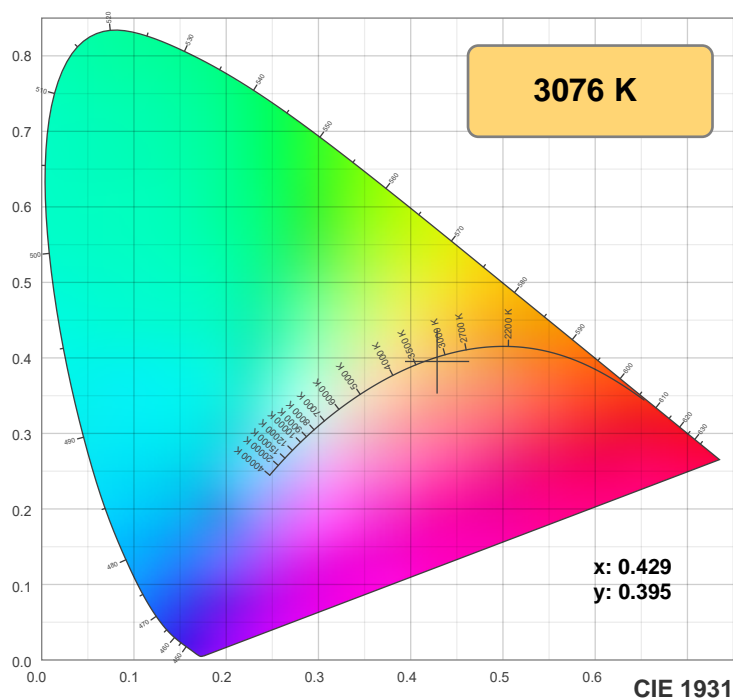
CIE 1931
x: 0.429
y: 0.395

Spectra

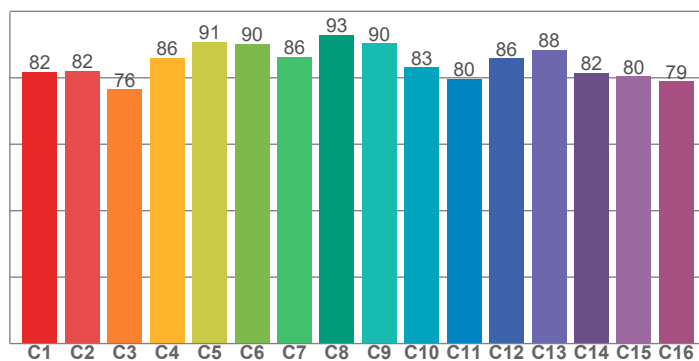


Power

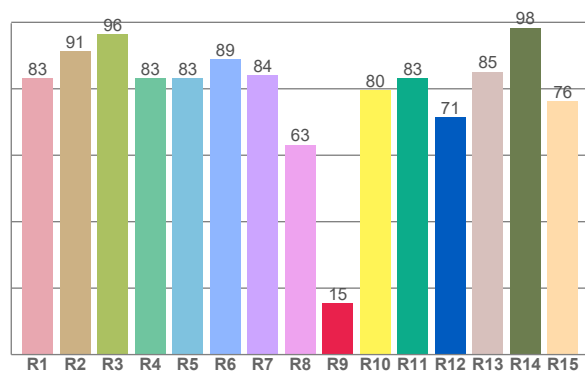




TM30: 84.6



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	91.2	96.5	83.2	83.2	88.9	84.0	63.1	15.4	79.5	83.2	71.4	85.2	98.3	76.2

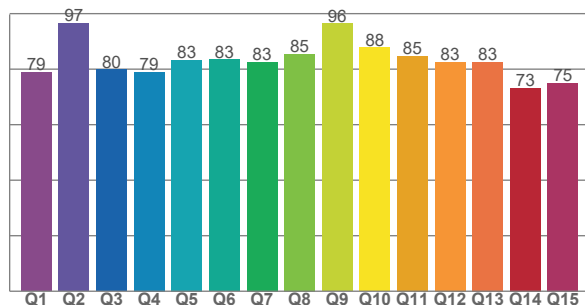
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81.9	82.1	76.5	85.9	90.9	90.1	86.2	92.8	90.4	83.1	79.6	85.8	88.4	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	83.4	83.5	82.5	85.4	96.4	87.7	84.7	82.6	82.5	73.3	74.9

CQS: 82.2



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
3076 K	84.2	15.4	84.6	98.8	82.2	0.429	0.395	0.249	0.344	-0.0024

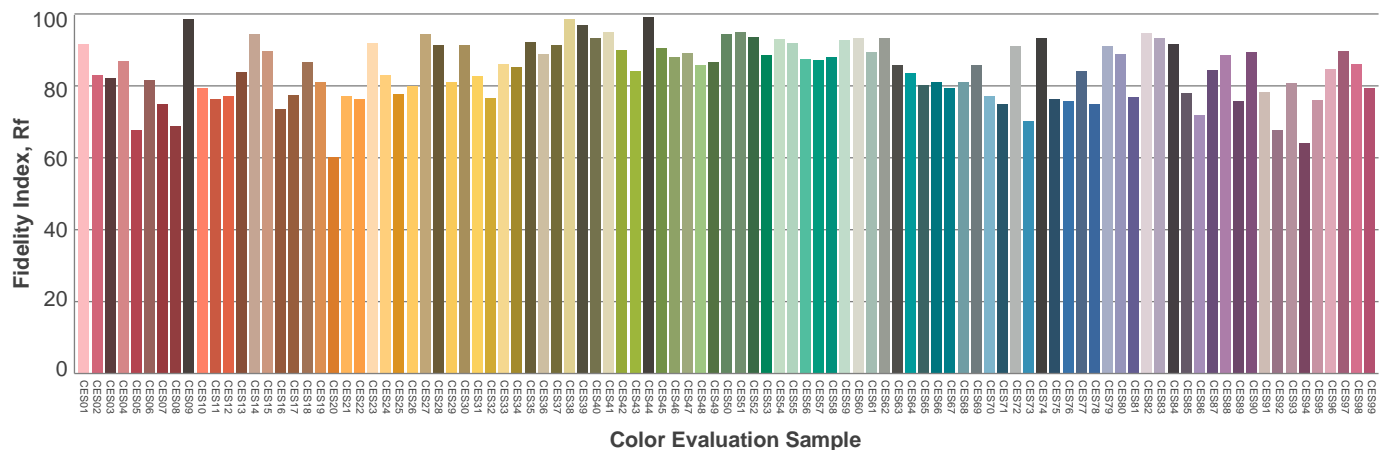
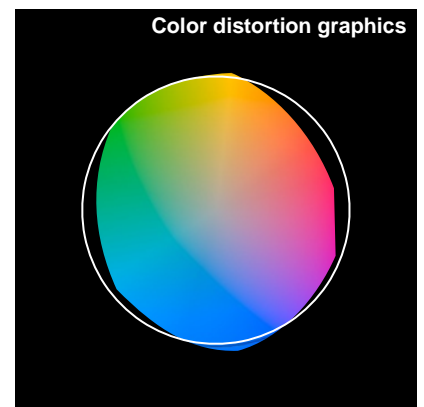
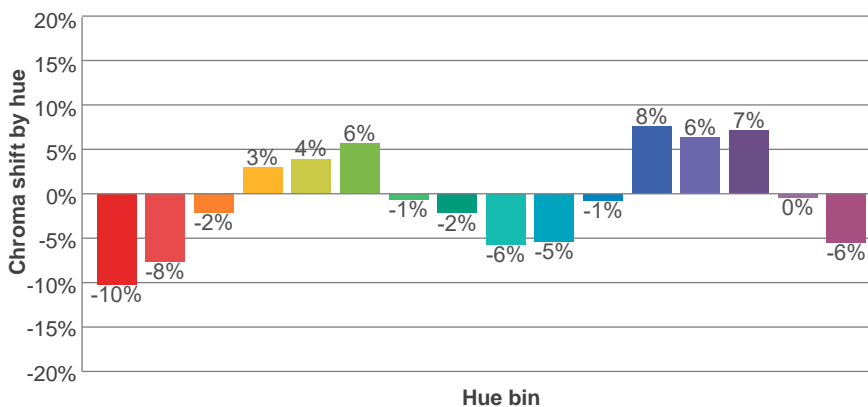
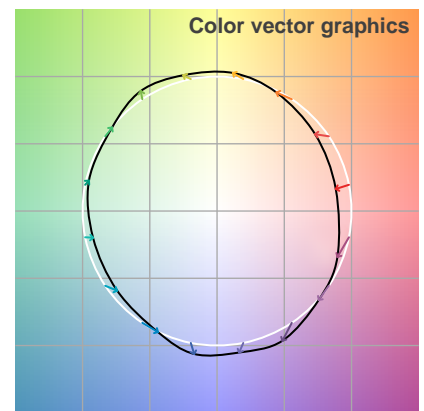
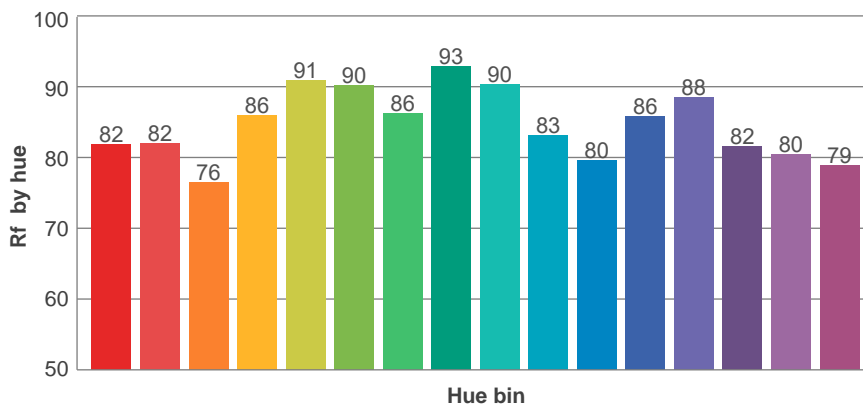
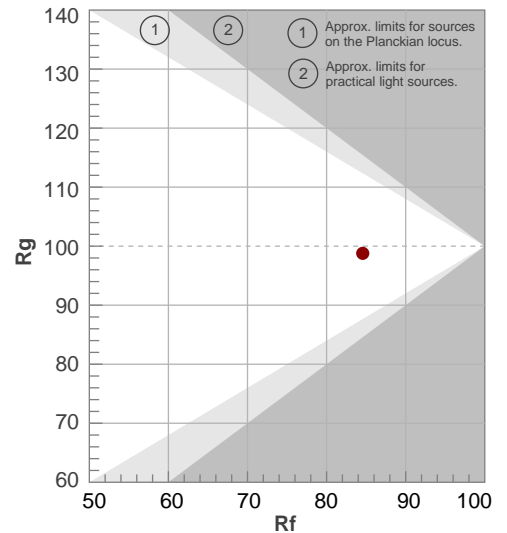
Rf 84.6

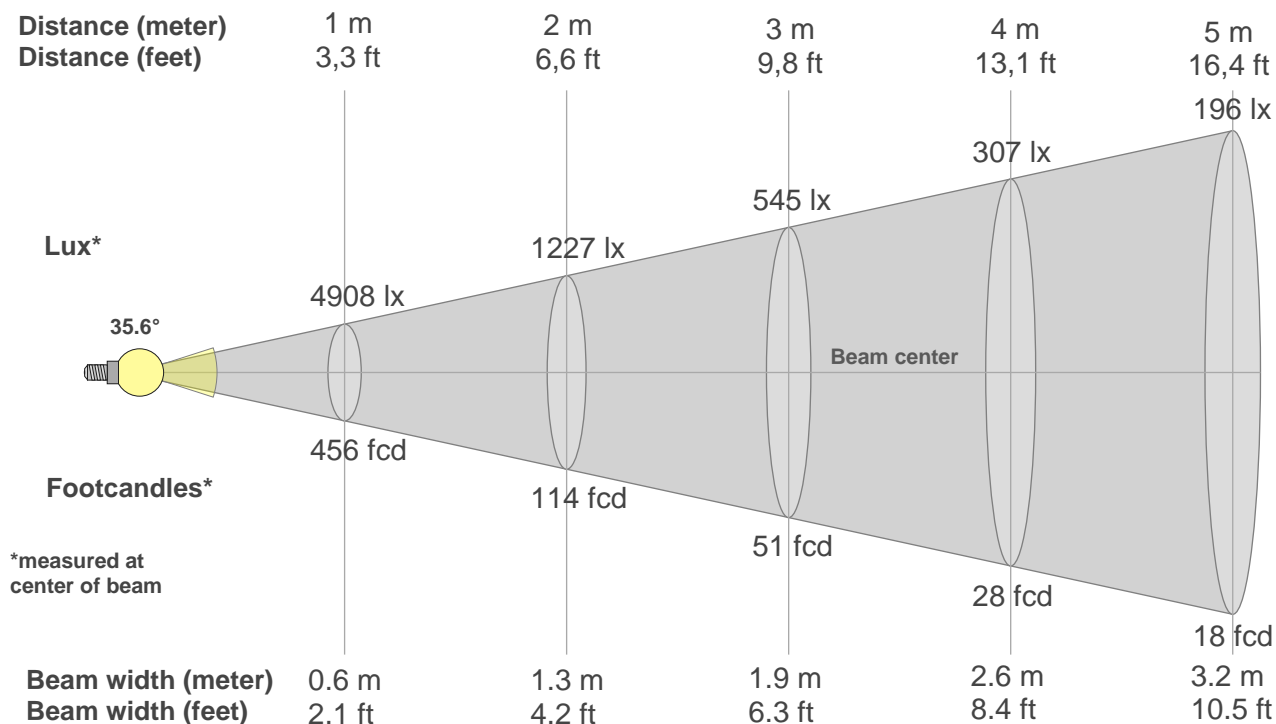
Fidelity index Rf

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
4908lx	1227lx	545lx	307lx	196lx	136lx	100lx	77lx	61lx	49lx	41lx	34lx	29lx	25lx	22lx	19lx	17lx	15lx	14lx	12lx
455.9fcd	114fcd	50.7fcd	28.5fcd	18.2fcd	12.7fcd	9.3fcd	7.1fcd	5.6fcd	4.6fcd	3.8fcd	3.2fcd	2.7fcd	2.3fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.3fcd	1.1fcd

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°
4908	4860	4718	4505	4227	3897	3537	3156	2776	2412	2082	1788	1535	1319	1133	981	849	738	640	554
100%	99%	96%	92%	86%	79%	72%	64%	57%	49%	42%	36%	31%	27%	23%	20%	17%	15%	13%	11%

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°
4908	4851	4718	4506	4226	3898	3533	3153	2776	2415	2083	1787	1527	1305	1120	964	835	724	629	546
100%	99%	96%	92%	86%	79%	72%	64%	57%	49%	42%	36%	31%	27%	23%	20%	17%	15%	13%	11%

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°
4908	4876	4745	4543	4275	3941	3575	3178	2787	2411	2067	1760	1501	1280	1101	950	823	716	622	541
100%	99%	97%	93%	87%	80%	73%	65%	57%	49%	42%	36%	31%	26%	22%	19%	17%	15%	13%	11%

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°
4908	4864	4738	4531	4251	3923	3549	3162	2780	2415	2079	1788	1533	1319	1138	987	857	746	648	560
100%	99%	97%	92%	87%	80%	72%	64%	57%	49%	42%	36%	31%	27%	23%	20%	17%	15%	13%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
35.6°	79.2°	110.5°	98.2%	90.0%