

Light efficiency:

63 Lumen/Watt

Light quality:

CRI: 81.3

Color temperature:

3151 K

Output: 1276 lm

Peak: 9224 cd

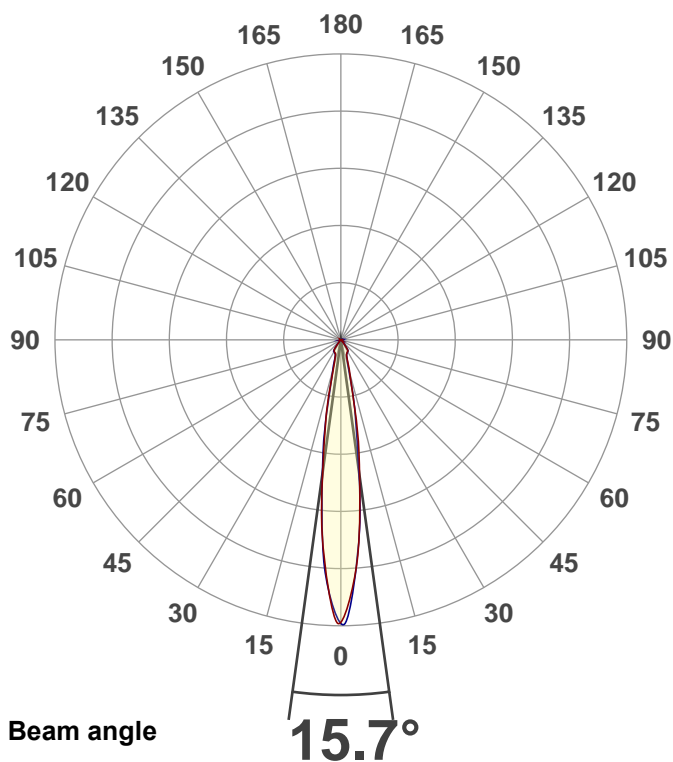
Power: 20.2 W

PF: 0.97



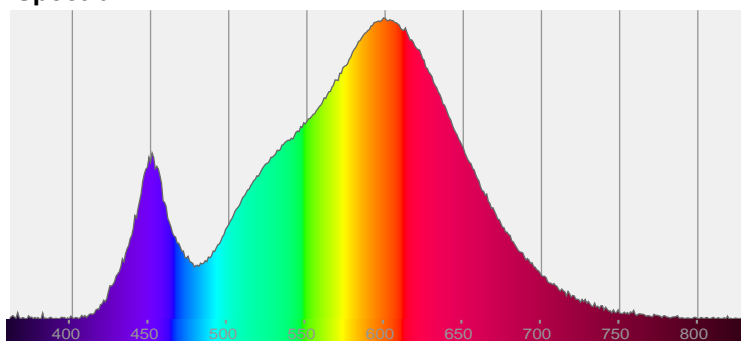
NU3-RD-SW-15LM-30K-80-15C-NL-120-DIM10-NC-WH-WH

Date and time:
1/6/2021 10:47:33 AM

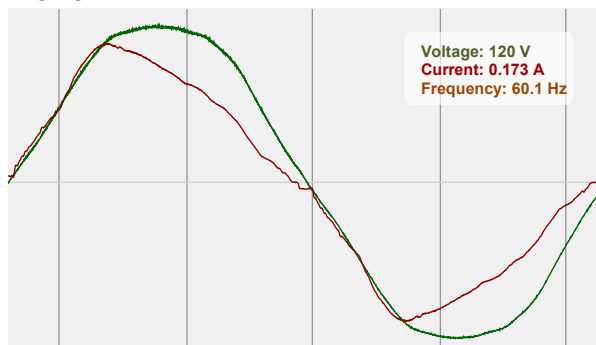


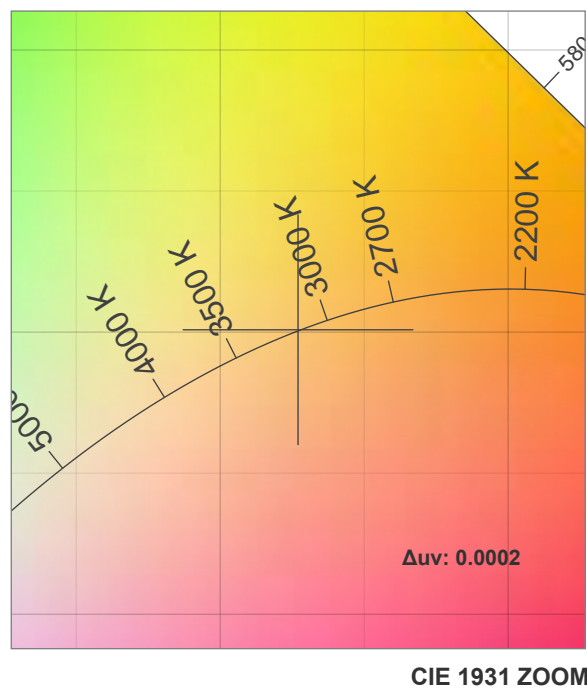
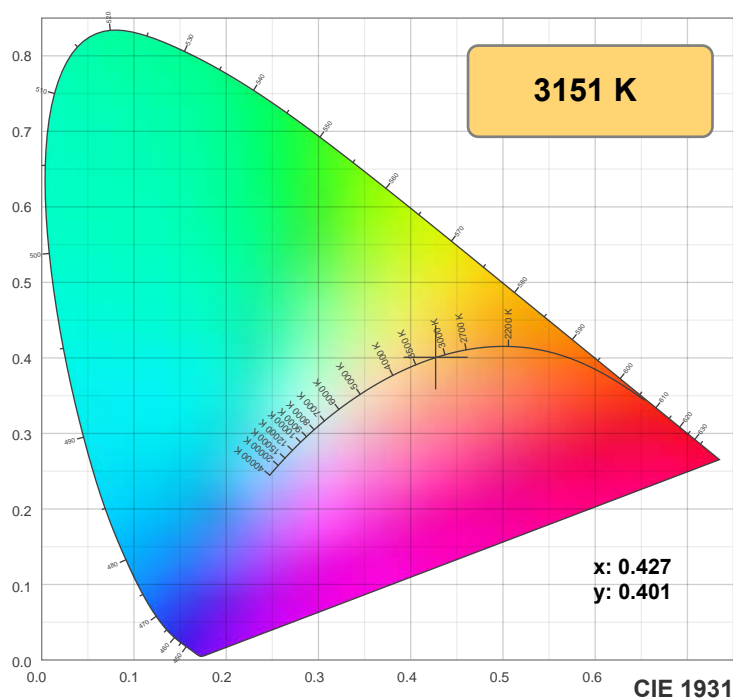
CIE 1931
x: 0.427
y: 0.401

Spectra

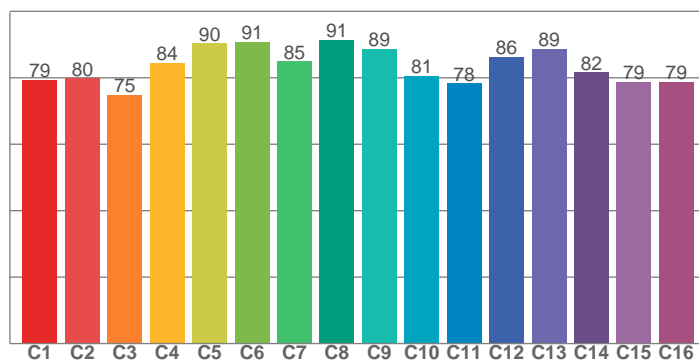


Power

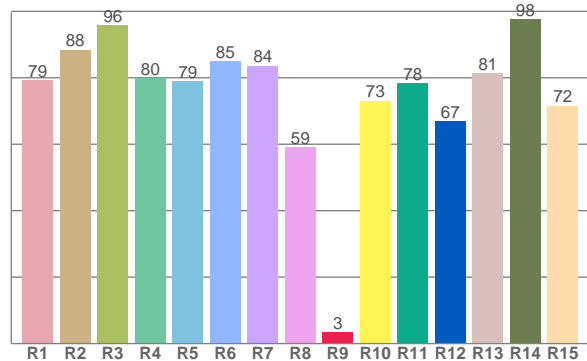




TM30: 83.4



CRI: 81.3 (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
79.3	88.5	95.8	80.0	79.0	85.1	83.6	59.2	3.4	73.1	78.4	67.0	81.3	97.6	71.6

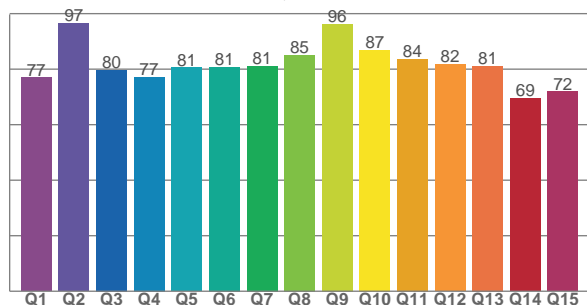
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.4	79.8	74.9	84.5	90.4	90.8	85.0	91.4	88.6	80.6	78.4	86.3	88.7	81.7	78.9	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.9	96.5	79.7	77.2	80.6	80.8	81.2	85.2	96.2	86.8	83.6	81.8	81.1	69.5	71.9

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
3151 K	81.3	3.4	83.4	96.8	80.5	0.427	0.401	0.246	0.346	0.0002

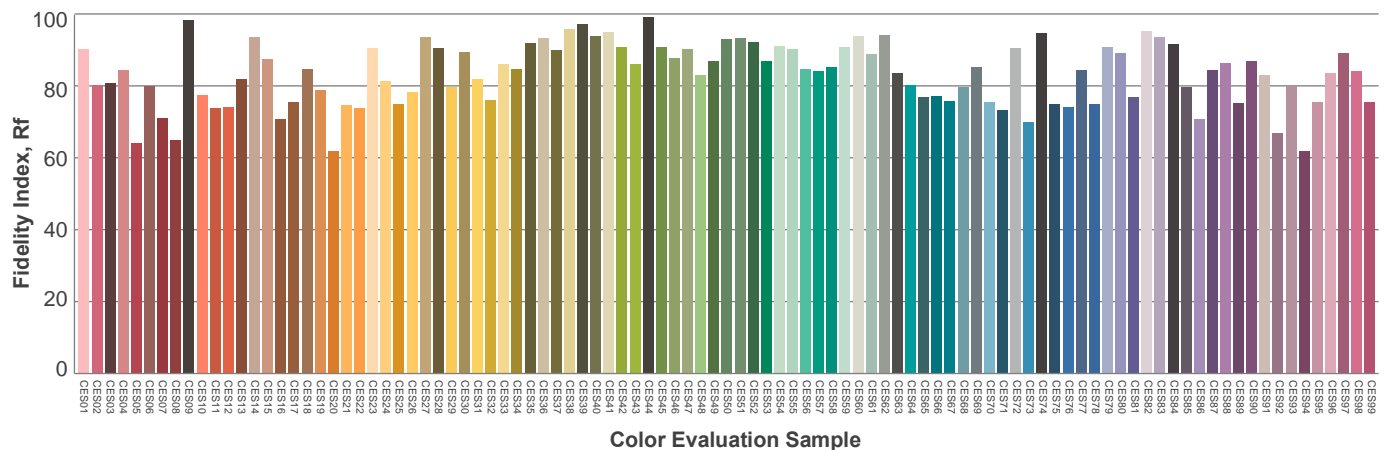
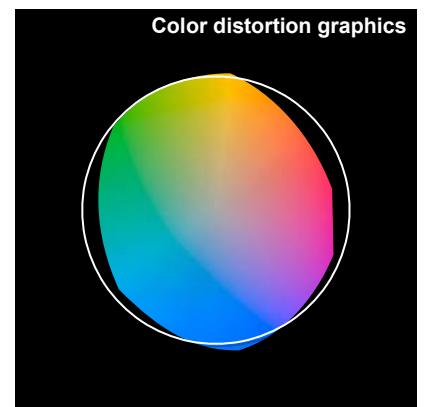
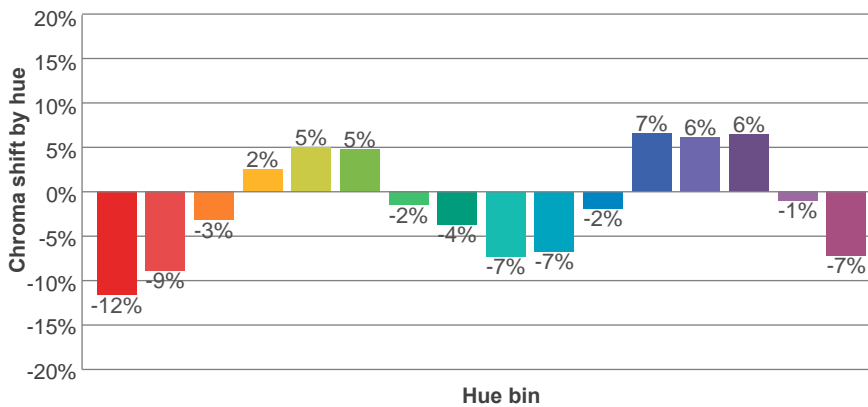
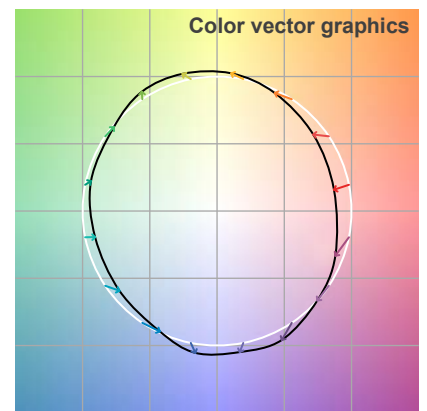
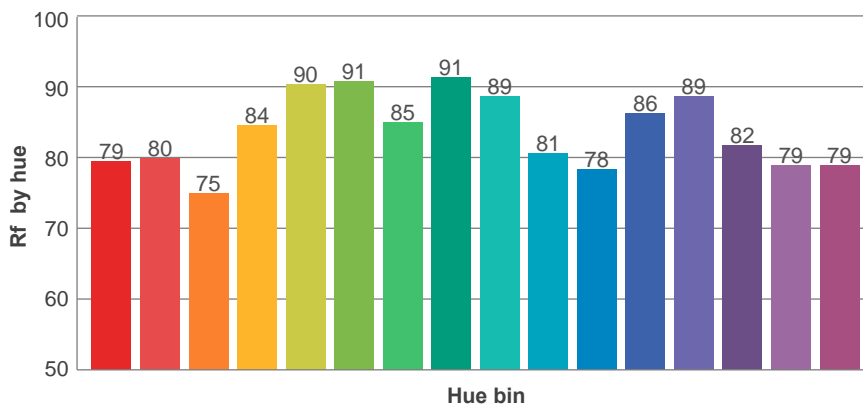
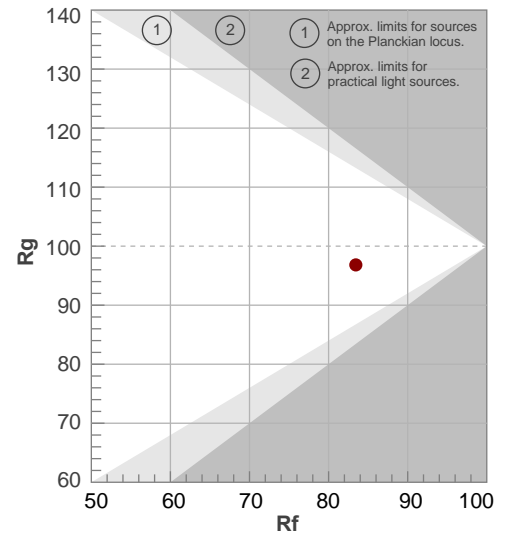
Rf 83.4

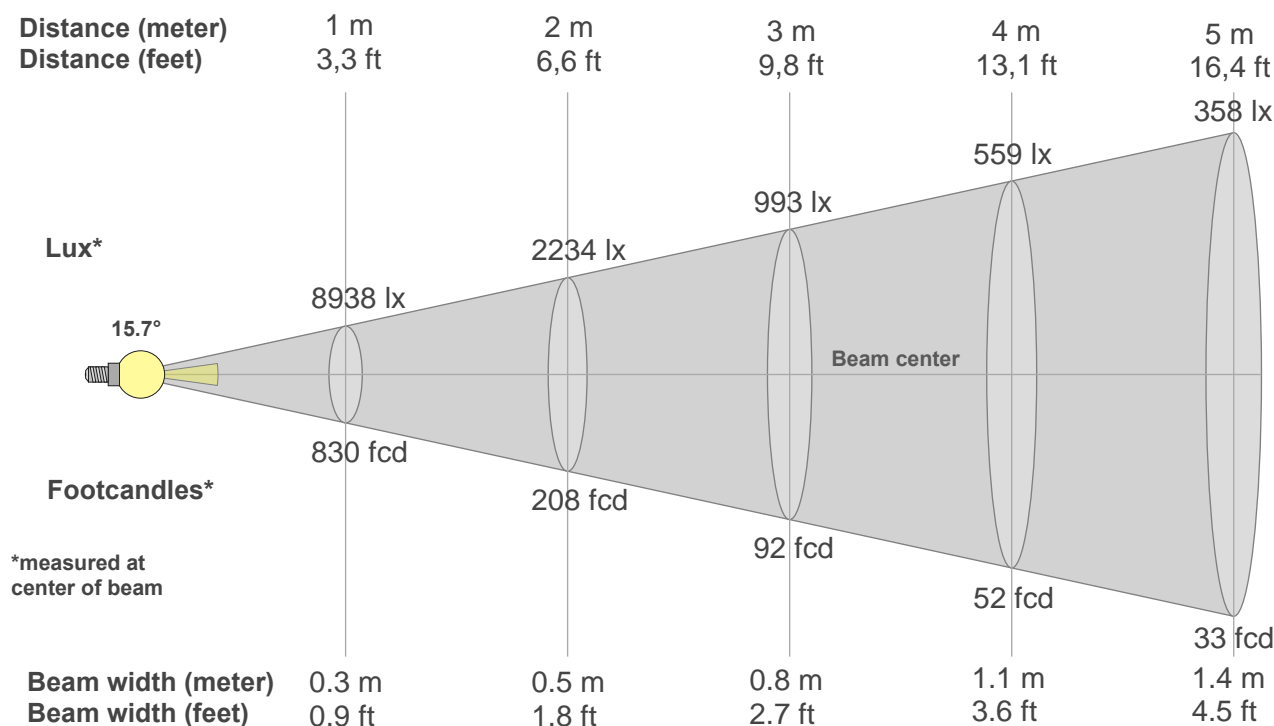
Fidelity index Rf

Rg 96.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-1%
2	80	-9%	8%
3	75	-3%	13%
4	84	2%	10%
5	90	5%	5%
6	91	5%	-3%
7	85	-2%	-9%
8	91	-4%	-4%
9	89	-7%	1%
10	81	-7%	9%
11	78	-2%	14%
12	86	7%	5%
13	89	6%	-4%
14	82	6%	-13%
15	79	-1%	-14%
16	79	-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
8938lx	2234lx	993lx	559lx	358lx	248lx	182lx	140lx	110lx	89lx	74lx	62lx	53lx	46lx	40lx	35lx	31lx	28lx	25lx	22lx
830.4fcd	207.6fcd	92.3fcd	51.9fcd	33.2fcd	23.1fcd	16.9fcd	13fcd	10.3fcd	8.3fcd	6.9fcd	5.8fcd	4.9fcd	4.2fcd	3.7fcd	3.2fcd	2.9fcd	2.6fcd	2.3fcd	2.1fcd

Intensities in 0° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8938	8524	8111	7697	7284	6643	5931	5219	4507	3795	3275	2780	2285	1790	1297	1156	1014	872	731	603
100%	95%	91%	86%	81%	74%	66%	58%	50%	42%	37%	31%	26%	20%	15%	13%	11%	10%	8%	7%

Intensities in 90° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8938	9079	8454	7828	7203	6578	5915	5185	4454	3724	2993	2441	2087	1734	1380	1026	841	771	700	630
100%	102%	95%	88%	81%	74%	66%	58%	50%	42%	33%	27%	23%	19%	15%	11%	9%	9%	8%	7%

Intensities in 180° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8938	8991	8401	7811	7221	6631	5971	5238	4504	3770	3036	2505	2113	1721	1330	938	782	717	651	586
100%	101%	94%	87%	81%	74%	67%	59%	50%	42%	34%	28%	24%	19%	15%	10%	9%	8%	7%	7%

Intensities in 270° c-plane

0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°
8938	8566	8193	7821	7449	6734	5971	5209	4447	3688	3173	2659	2145	1631	1164	1040	916	792	668	569
100%	96%	92%	88%	83%	75%	67%	58%	50%	41%	36%	30%	24%	18%	13%	12%	10%	9%	7%	6%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	31.5°	74.7°	99.7%	99.5%