

Light efficiency:

89 Lumen/Watt

Light quality:

CRI: 81.1

Color temperature:

3041 K

Output: 2472 lm

Peak: 7669 cd

Power: 27.7 W

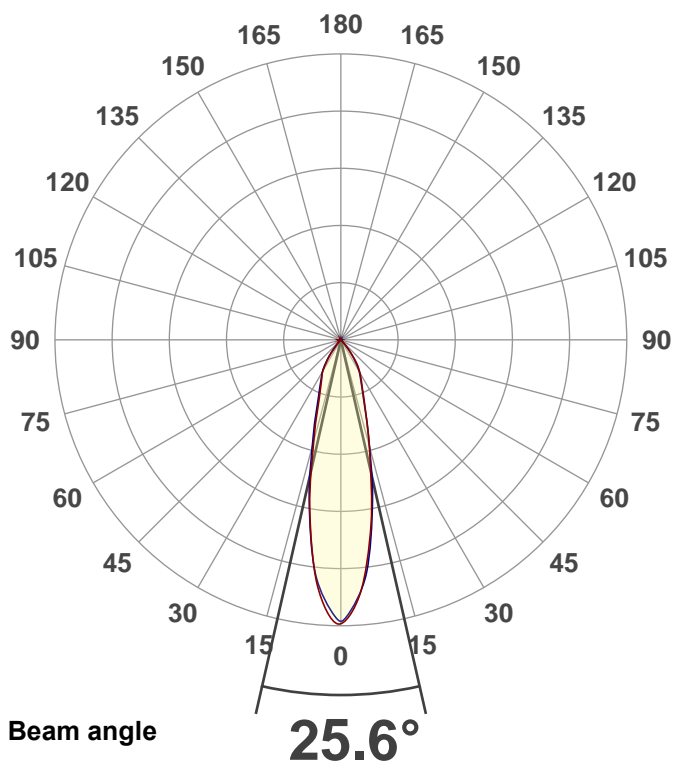
PF: 0.98



NU3-RD-SW-30LM-30K-80-25C-120-DIM10-NC-WH-WH

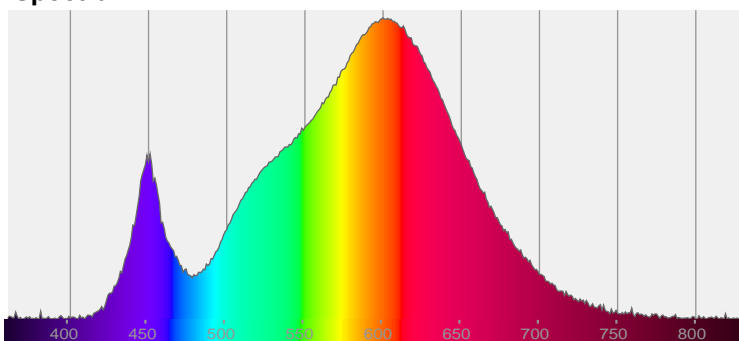
Date and time:

11/9/2020 8:47:10 AM

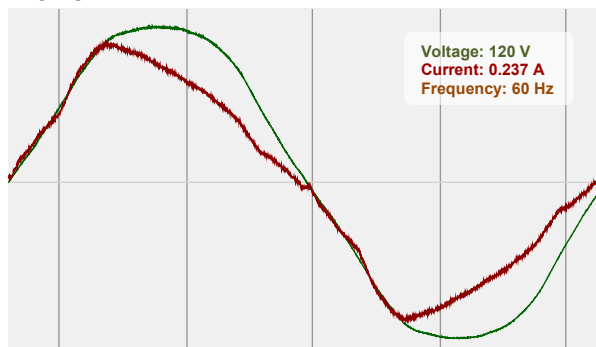


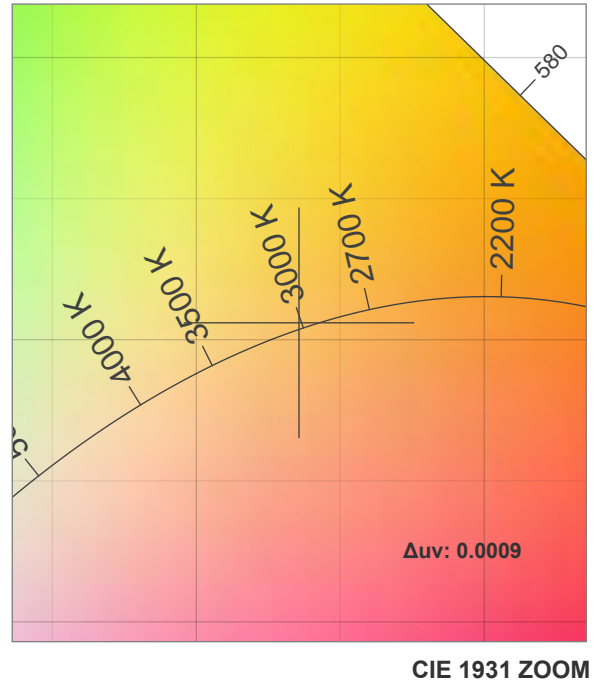
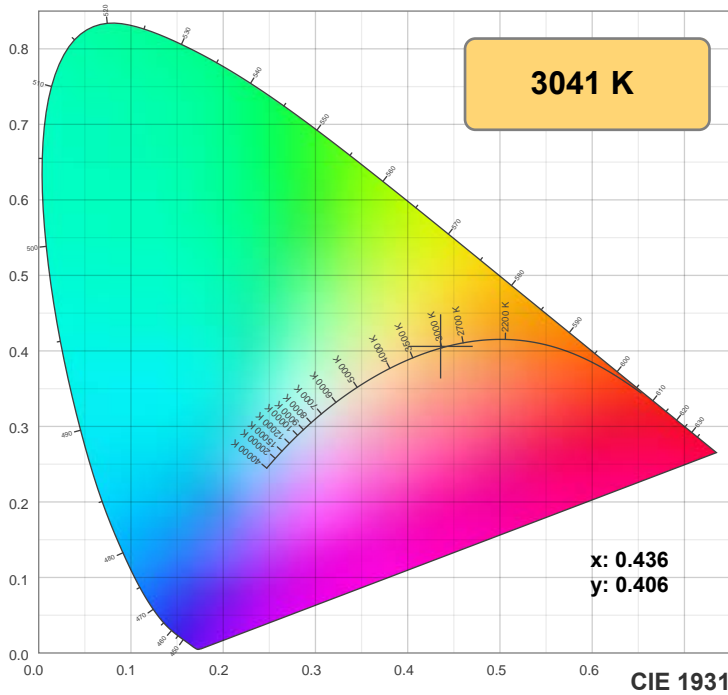
CIE 1931
x: 0.436
y: 0.406

Spectra

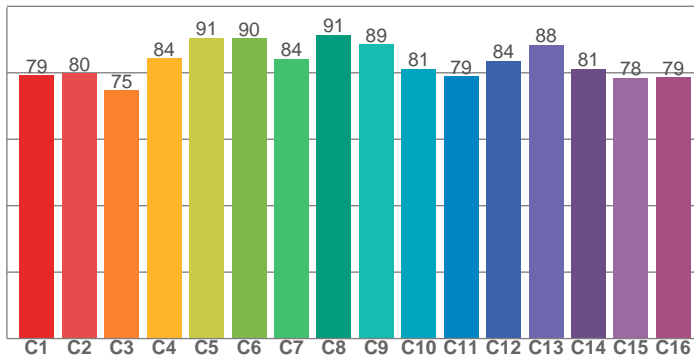


Power

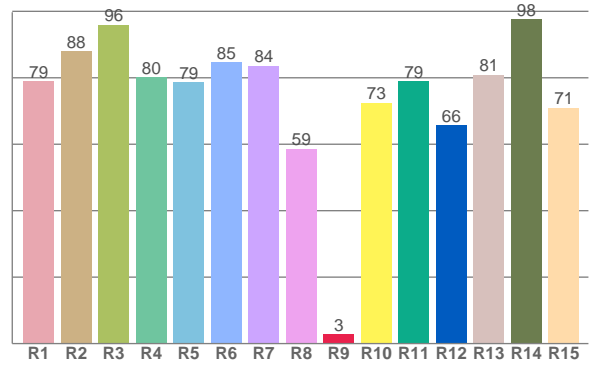




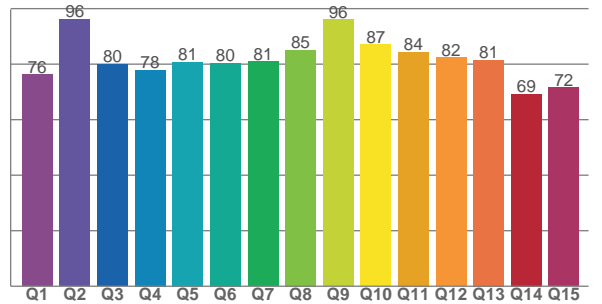
TM30: 83.2



CRI: 81.1 (R1-R8)



CQS: 80.5



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
79.0	88.0	95.9	80.1	78.6	84.8	83.6	58.7	2.9	72.5	78.9	65.7	80.9	97.7	71.0

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
79.3	79.8	74.7	84.3	90.6	90.3	84.1	91.4	88.6	81.1	79.0	83.6	88.3	81.2	78.4	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.2	96.2	79.9	77.8	80.8	80.5	80.9	85.1	96.0	87.1	84.3	82.3	81.4	69.3	71.6

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
3041 K	81.1	2.9	83.2	96.9	80.5	0.436	0.406	0.249	0.348	0.0009

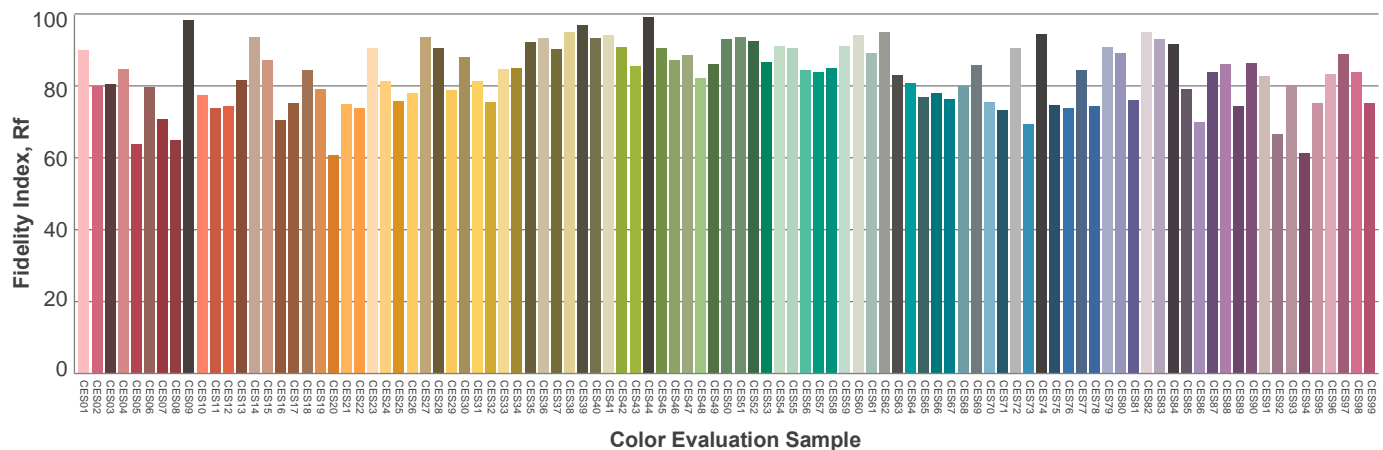
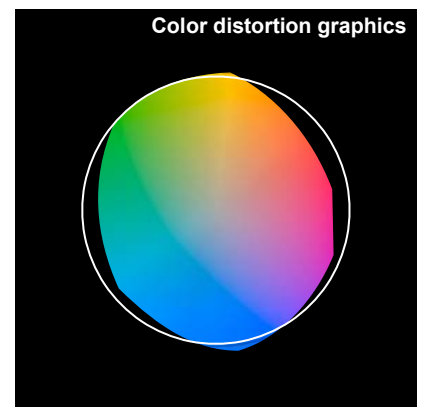
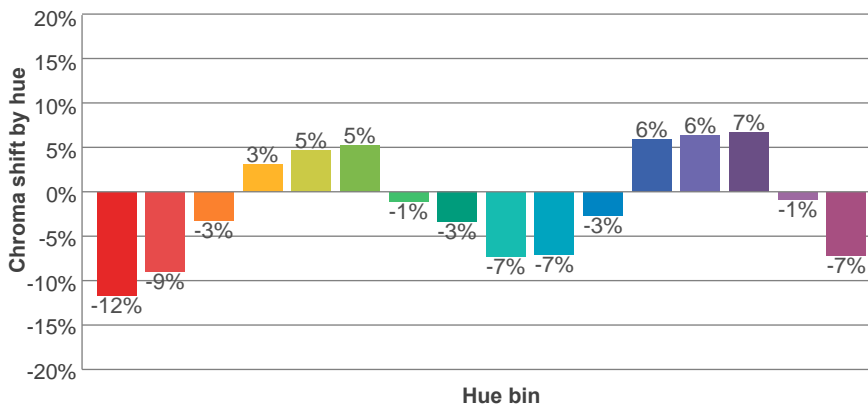
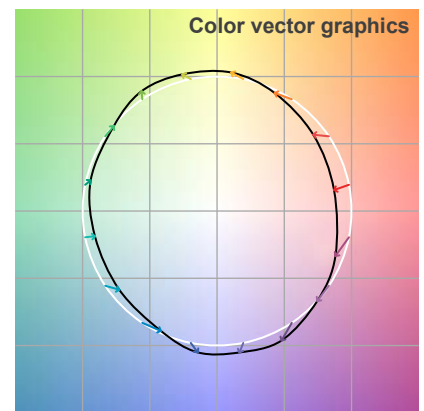
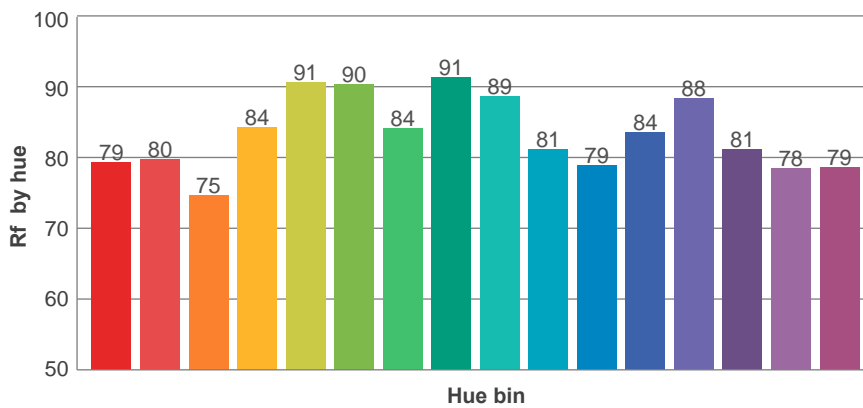
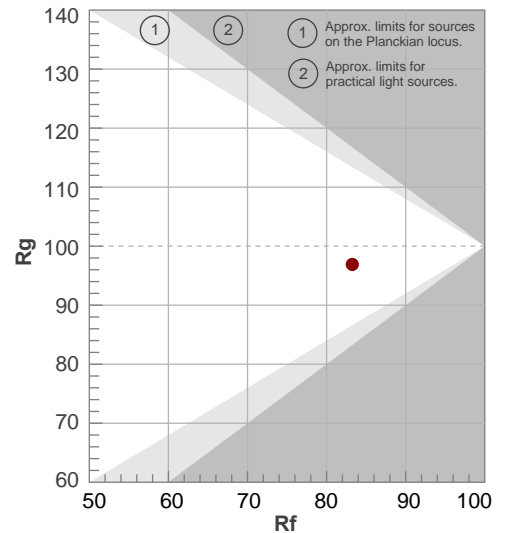
Rf 83.2

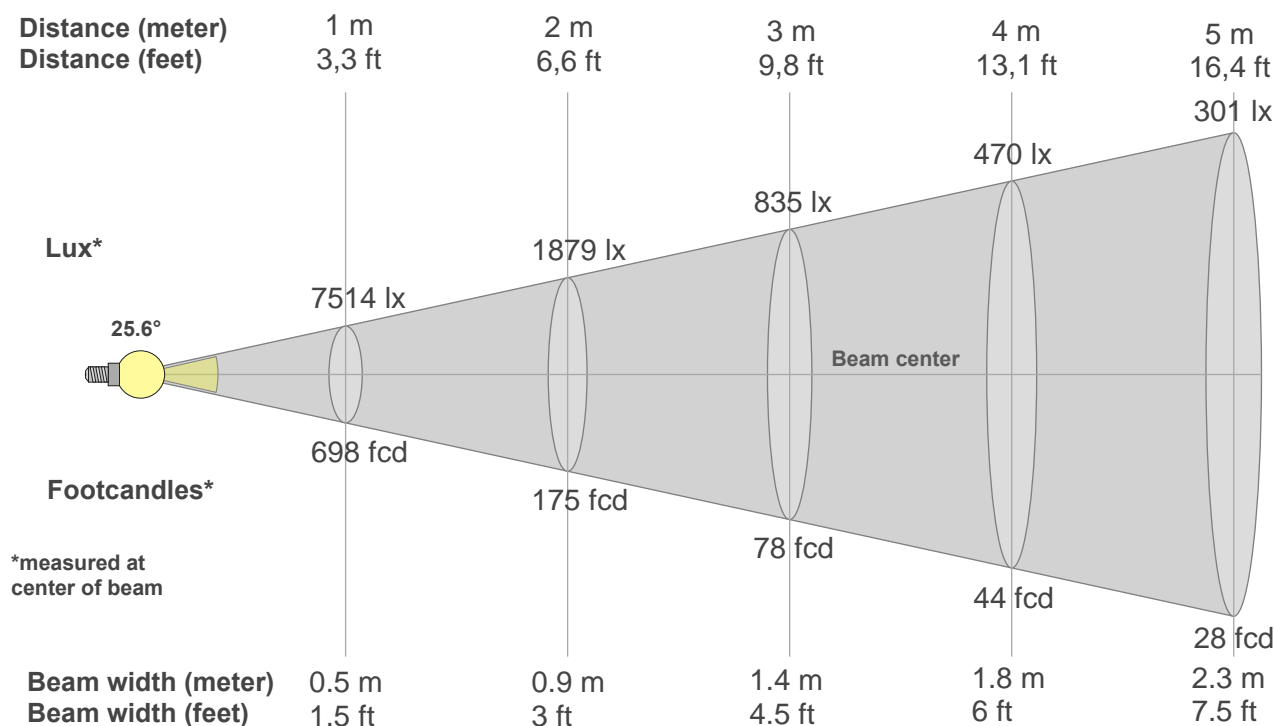
Fidelity index Rf

Rg 96.9

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	7%
3	75	-3%	13%
4	84	3%	10%
5	91	5%	6%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-3%	-4%
9	89	-7%	1%
10	81	-7%	8%
11	79	-3%	15%
12	84	6%	6%
13	88	6%	-4%
14	81	7%	-14%
15	78	-1%	-14%
16	79	-7%	-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
7514lx	1879lx	835lx	470lx	301lx	209lx	153lx	117lx	93lx	75lx	62lx	52lx	44lx	38lx	33lx	29lx	26lx	23lx	21lx	19lx
698.1fc	174.5fc	77.6fc	43.6fc	27.9fc	19.4fc	14.2fc	10.9fc	8.6fc	7fc	5.8fc	4.8fc	4.1fc	3.6fc	3.1fc	2.7fc	2.4fc	2.2fc	1.9fc	1.7fc

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°
7514	7249	6924	6261	5521	4777	4024	3271	2769	2305	1926	1678	1429	1287	1154	1023	894	765	593	420
100%	96%	92%	83%	73%	64%	54%	44%	37%	31%	26%	22%	19%	17%	15%	14%	12%	10%	8%	6%

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°
7514	7295	6845	6395	5651	4869	4119	3418	2718	2303	1908	1608	1420	1232	1108	984	842	682	523	378
100%	97%	91%	85%	75%	65%	55%	45%	36%	31%	25%	21%	19%	16%	15%	13%	11%	9%	7%	5%

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°
7514	7374	6956	6446	5629	4812	4029	3257	2583	2165	1748	1522	1342	1186	1078	970	812	646	484	329
100%	98%	93%	86%	75%	64%	54%	43%	34%	29%	23%	20%	18%	16%	14%	13%	11%	9%	6%	4%

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°
7514	7295	6845	6395	5651	4869	4119	3418	2718	2303	1908	1608	1420	1232	1108	984	842	682	523	378
100%	97%	91%	85%	75%	65%	55%	45%	36%	31%	25%	21%	19%	16%	15%	13%	11%	9%	7%	5%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	66.5°	81.3°	99.3%	98.6%