

Light efficiency:

83 Lumen/Watt

Light quality:

CRI: 81.3

Color temperature:

3059 K

Output: 2764 lm

Peak: 3506 cd

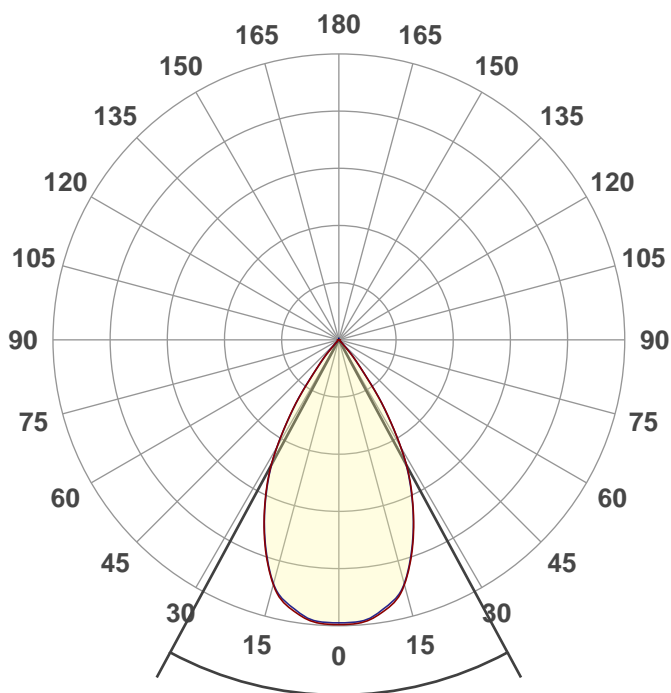
Power: 33.1 W

PF: 0.98



NU3-RD-SW-35LM-30K-80-55C-120-DIM10-NC-WH-WH

Date and time:
11/9/2020 10:08:47 AM



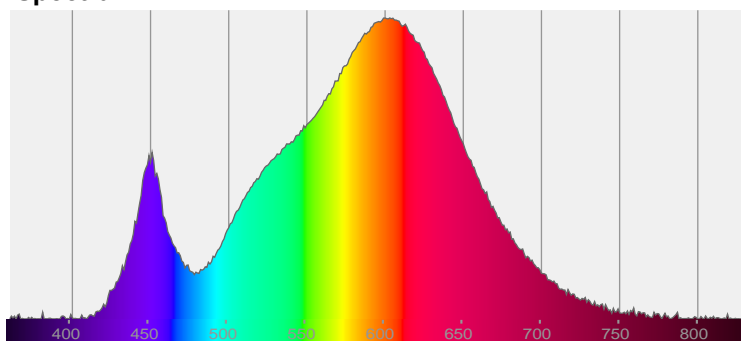
Beam angle

56.7°

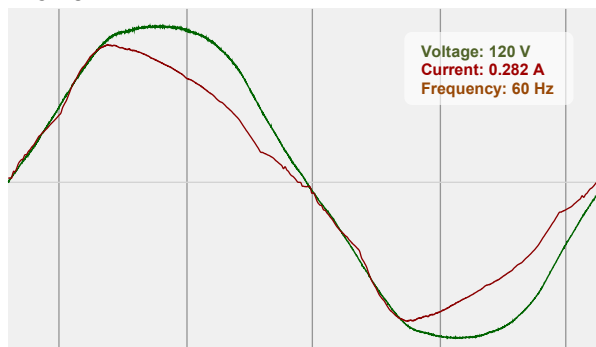


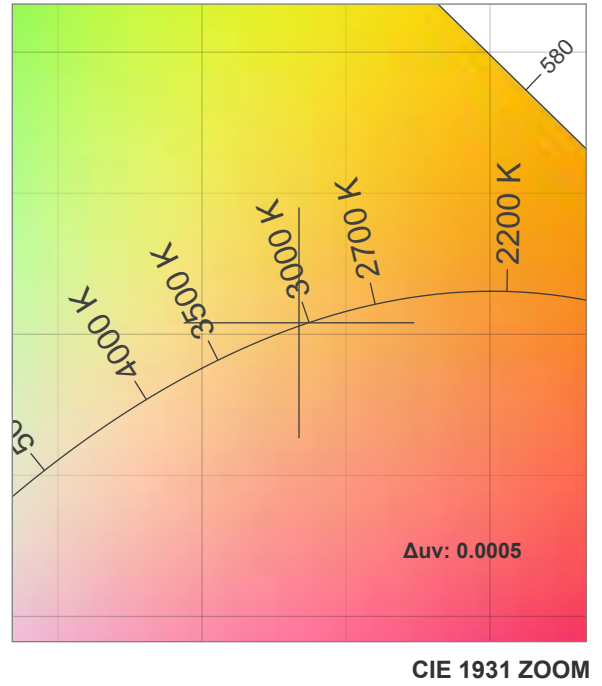
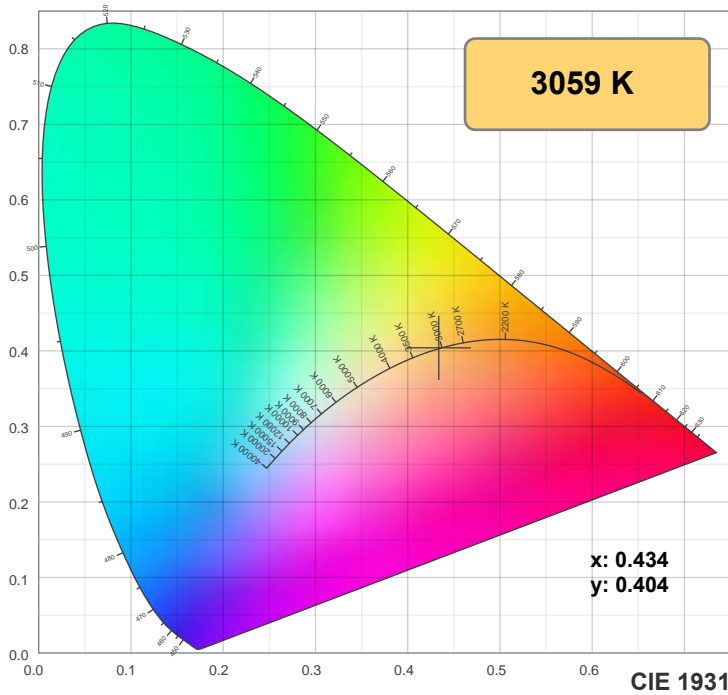
CIE 1931
x: 0.434
y: 0.404

Spectra

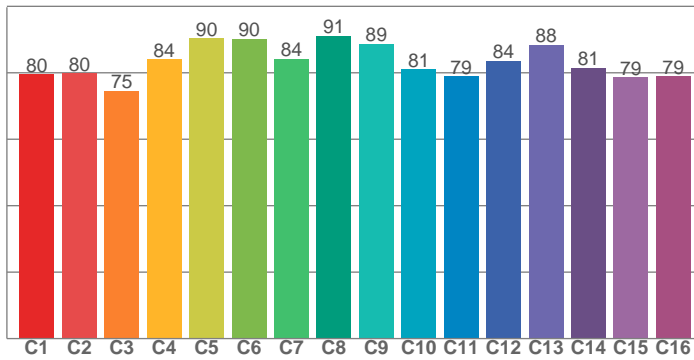


Power

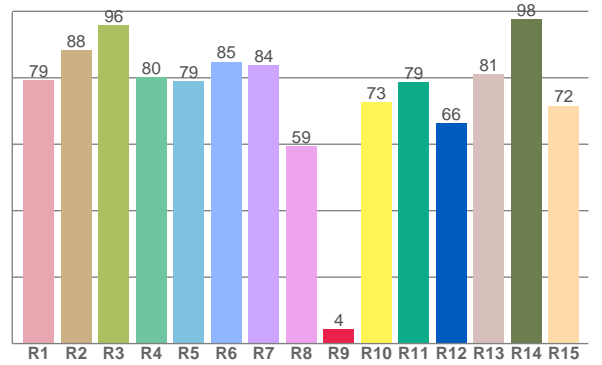




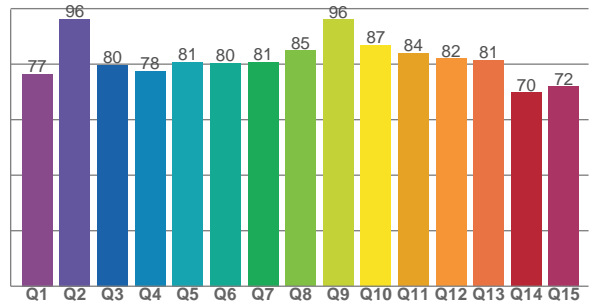
TM30: 83.2



CRI: 81.3 (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
79.3	88.2	95.8	80.1	78.9	84.9	83.7	59.3	4.4	72.7	78.7	66.3	81.1	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
79.5	79.9	74.6	84.0	90.4	90.1	84.2	91.2	88.6	81.0	78.9	83.6	88.4	81.5	78.7	78.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.5	96.3	79.7	77.5	80.7	80.5	80.8	84.9	96.1	86.8	83.9	82.0	81.4	69.8	72.0

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
3059 K	81.3	4.4	83.2	97.1	80.5	0.434	0.404	0.248	0.347	0.0005

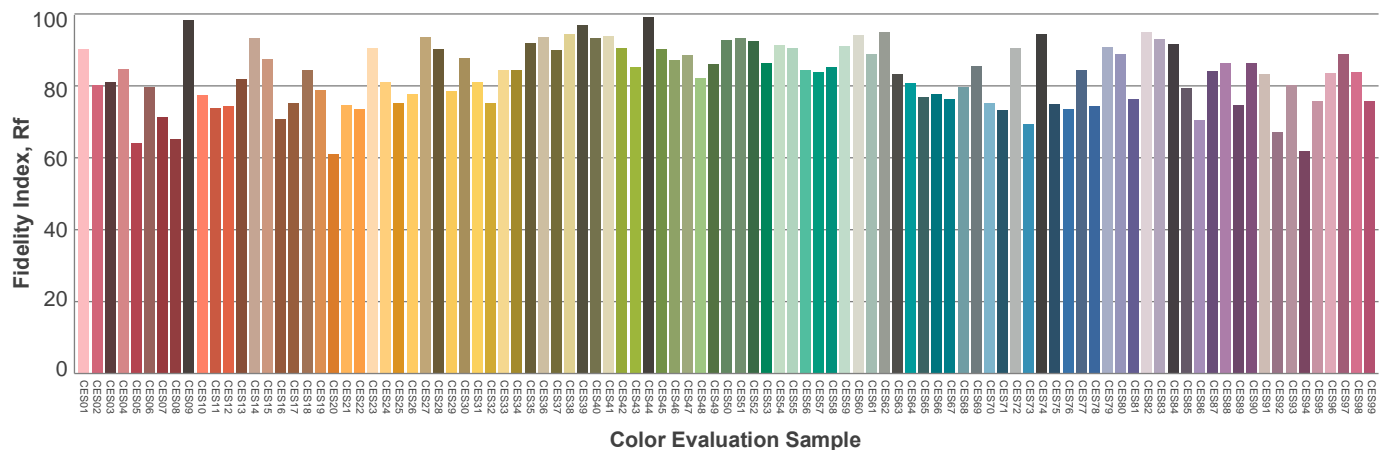
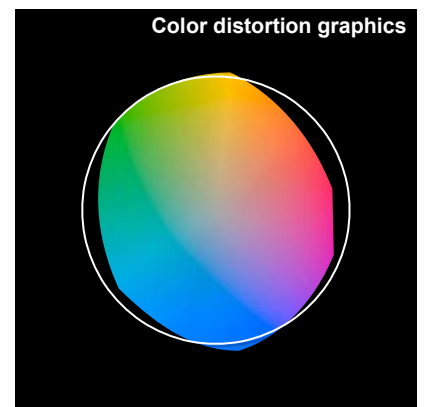
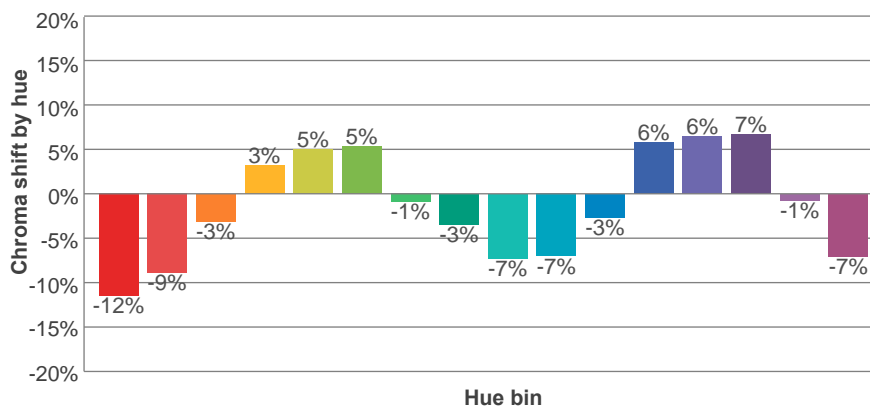
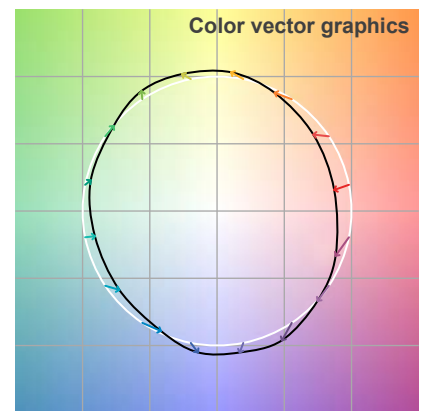
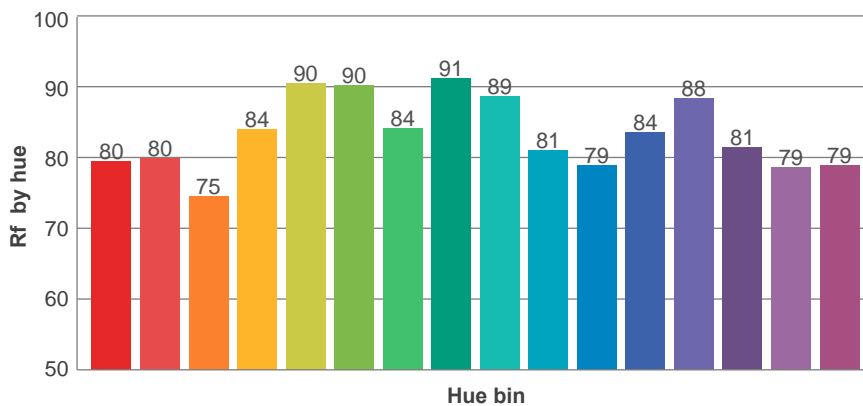
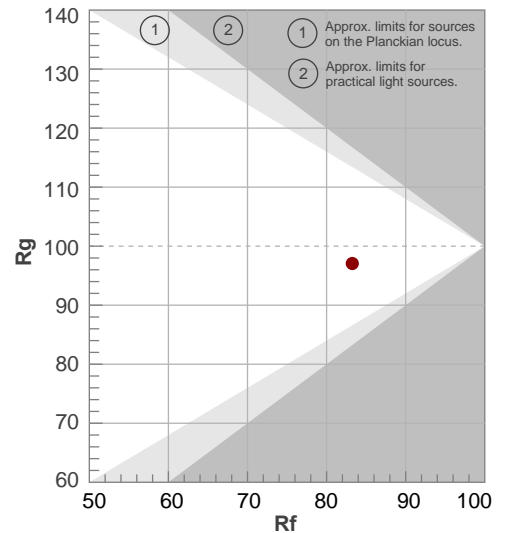
Rf 83.2

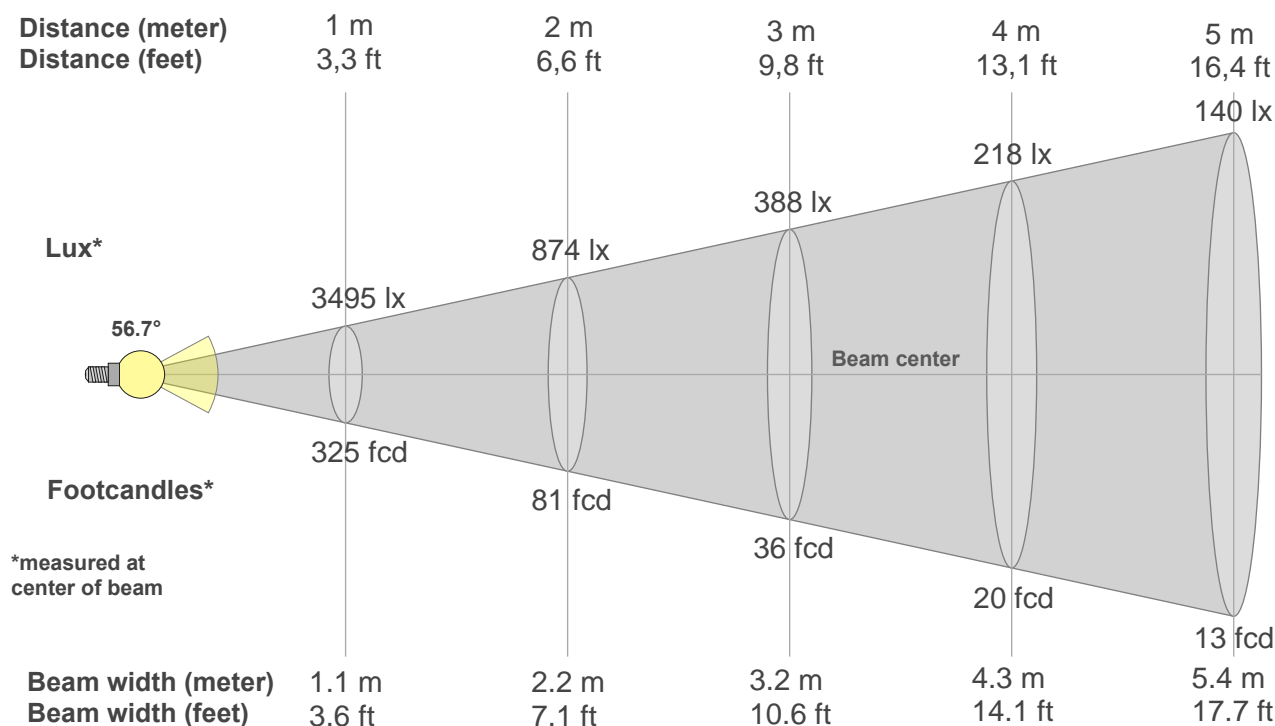
Fidelity index Rf

Rg 97.1

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	80	-12%	-2%
2	80	-9%	7%
3	75	-3%	13%
4	84	3%	10%
5	90	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%	-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
3495lx	874lx	388lx	218lx	140lx	97lx	71lx	55lx	43lx	35lx	29lx	24lx	21lx	18lx	16lx	14lx	12lx	11lx	10lx	9lx
324.7fcd	81.2fcd	36.1fcd	20.3fcd	13fcd	9fcd	6.6fcd	5.1fcd	4fcd	3.2fcd	2.7fcd	2.3fcd	1.9fcd	1.7fcd	1.4fcd	1.3fcd	1.1fcd	1fcd	0.9fcd	0.8fcd

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°
3495	3506	3502	3465	3427	3364	3286	3195	3026	2858	2664	2458	2248	2022	1796	1530	1247	969	710	451
100%	100%	100%	99%	98%	96%	94%	91%	87%	82%	76%	70%	64%	58%	51%	44%	36%	28%	20%	13%

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°
3495	3484	3484	3445	3399	3340	3261	3181	3016	2841	2653	2446	2239	2010	1779	1523	1238	953	703	454
100%	100%	100%	99%	97%	96%	93%	91%	86%	81%	76%	70%	64%	57%	51%	44%	35%	27%	20%	13%

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°
3495	3506	3502	3465	3427	3364	3286	3195	3026	2858	2664	2458	2248	2022	1796	1530	1247	969	710	451
100%	100%	100%	99%	98%	96%	94%	91%	87%	82%	76%	70%	64%	58%	51%	44%	36%	28%	20%	13%

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°
3495	3484	3484	3445	3399	3340	3261	3181	3016	2841	2653	2446	2239	2010	1779	1523	1238	953	703	454
100%	100%	100%	99%	97%	96%	93%	91%	86%	81%	76%	70%	64%	57%	51%	44%	35%	27%	20%	13%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	77.9°	86.6°	99.2%	98.3%