

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 84.7

Color temperature:

2965 K

Output: 510 lm

Peak: 558 cd

Power: 6.6 W

PF: 0.92

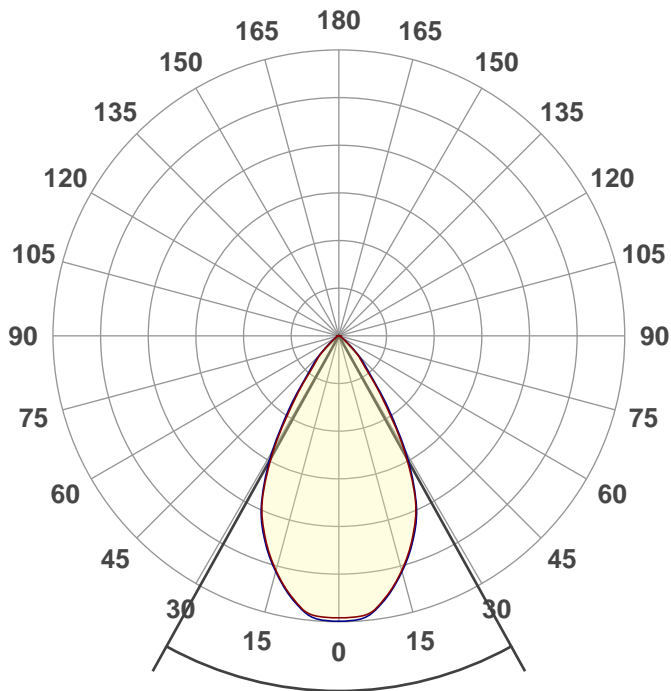


Product name:

**NU3-RD-SW-07LM-30K-80-D60-120-NC-WH-WH**

Date and time:

**12/15/2018 2:49:01 PM**



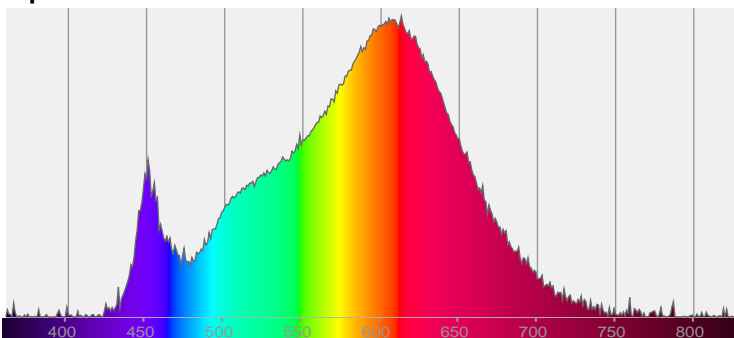
Beam angle

**58.1°**

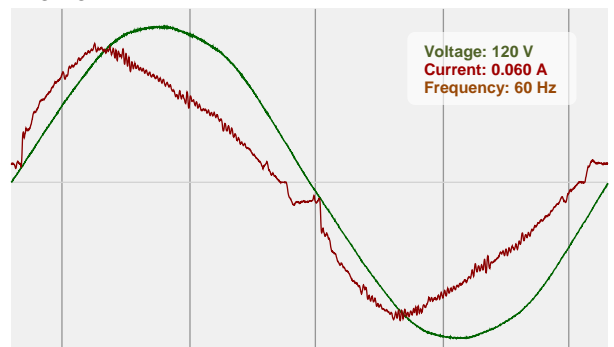


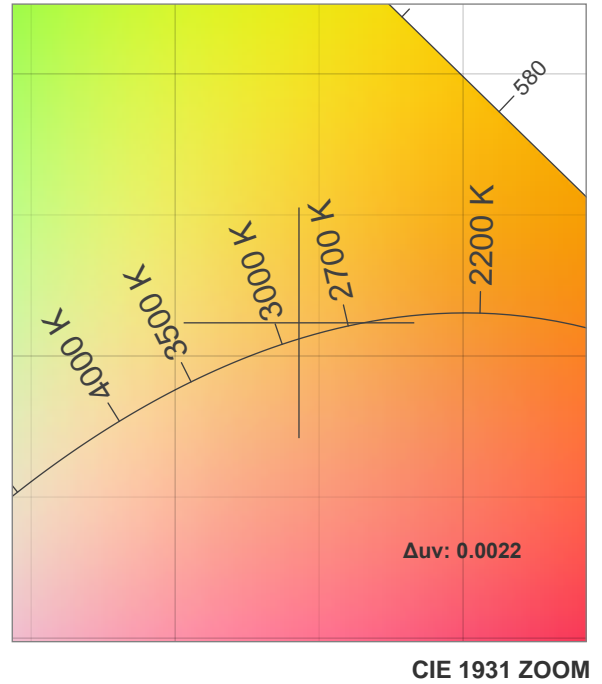
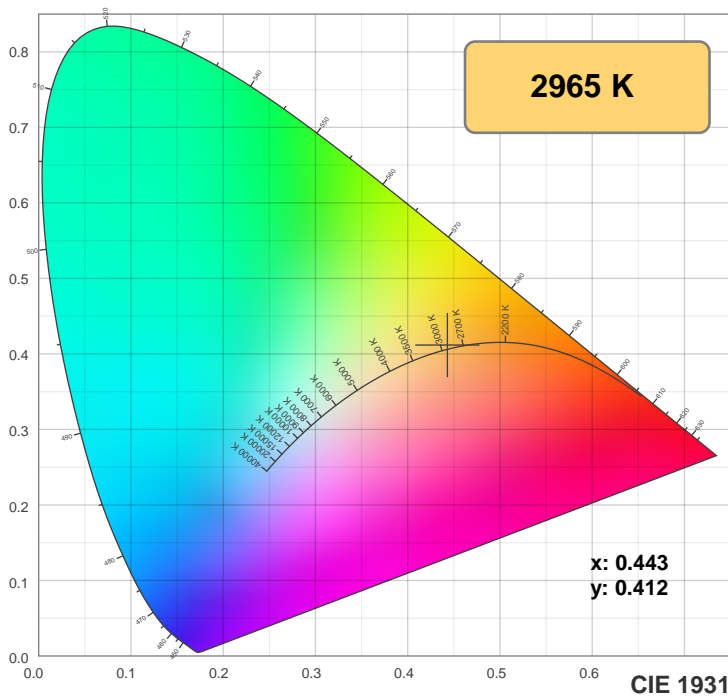
CIE 1931  
x: 0.443  
y: 0.412

Spectra

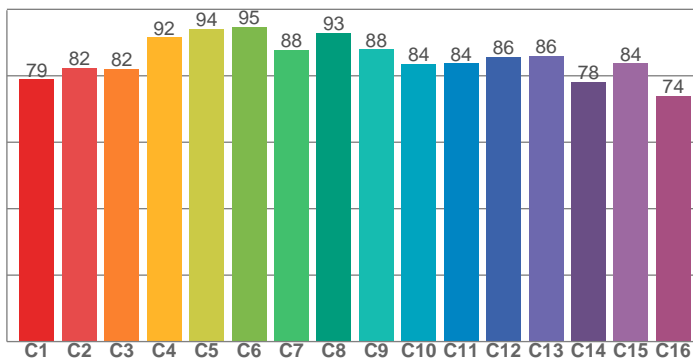


Power

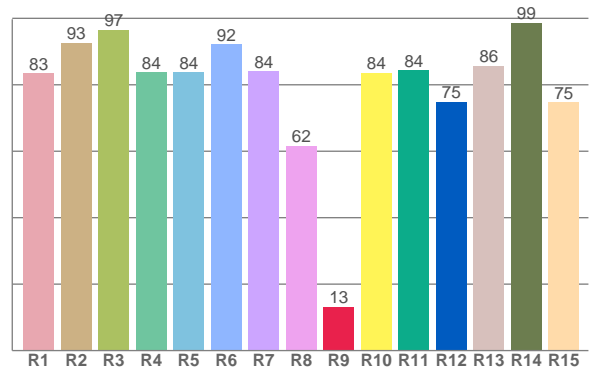




**TM30: 85.4**



**CRI: 84.7 (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
83.5	92.6	96.5	83.8	83.8	92.2	84.0	61.6	13.2	83.7	84.4	74.9	85.7	98.7	74.6

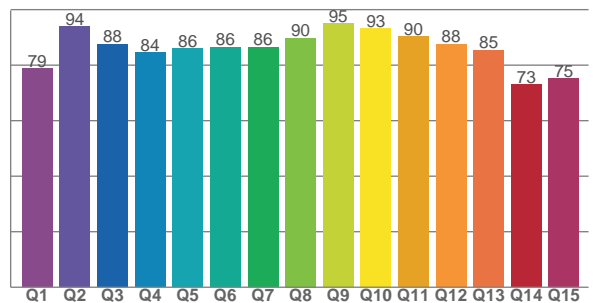
**TM30 C values, 16 binned values out of total of 99 C values**

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.0	82.3	82.1	91.5	94.2	94.7	87.9	92.9	88.0	83.5	83.8	85.8	86.0	78.2	83.7	74.0

**CQS Q values**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.8	94.0	87.5	84.5	86.0	86.4	86.5	89.8	95.0	93.2	90.3	87.5	85.4	73.0	75.2

**CQS: 84.7**



### 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
2965 K	84.7	13.2	85.4	94.6	84.7	0.443	0.412	0.251	0.350	0.0022

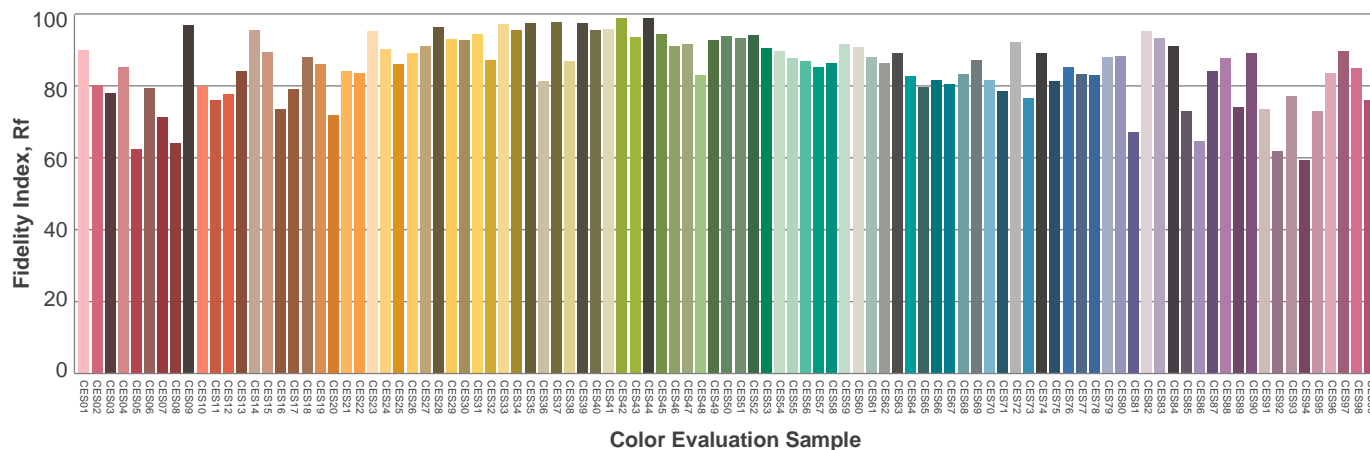
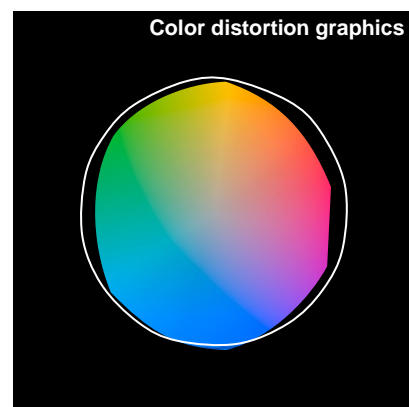
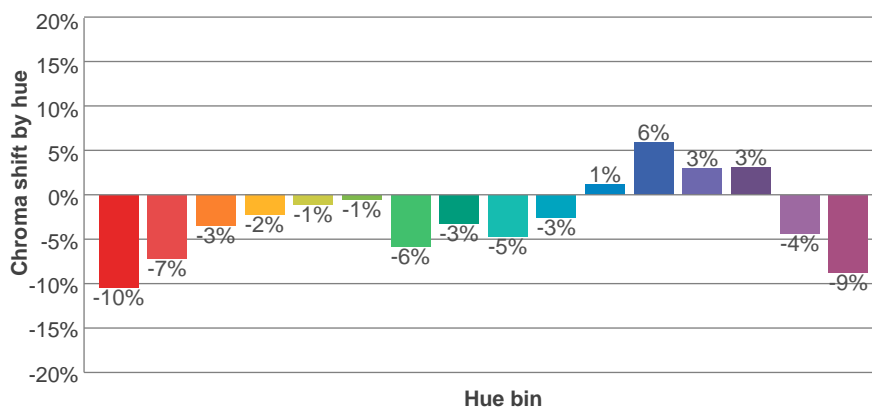
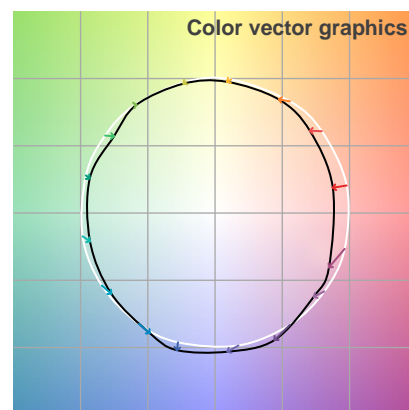
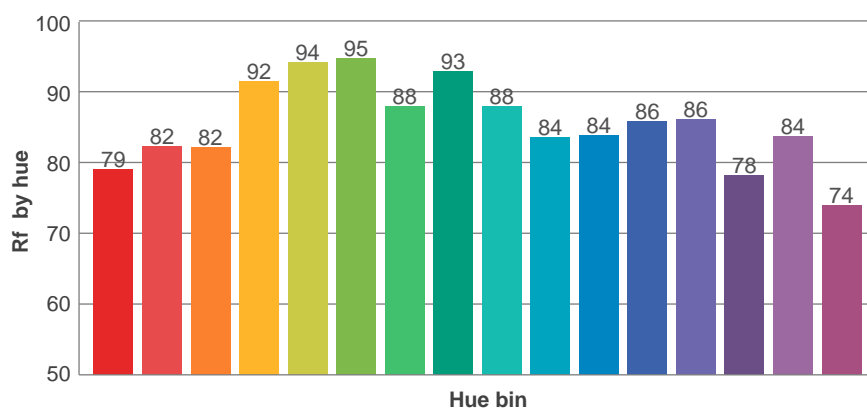
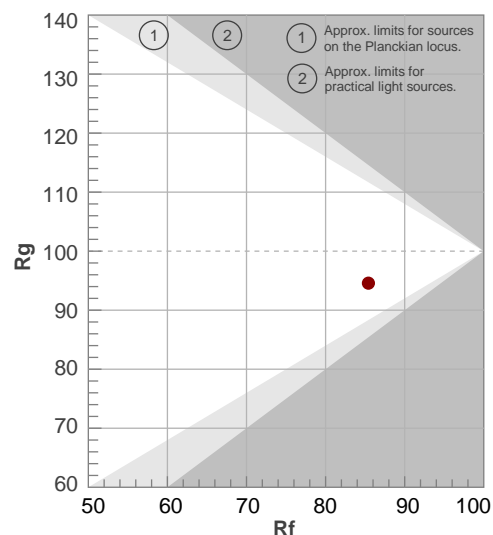
**Rf 85.4**

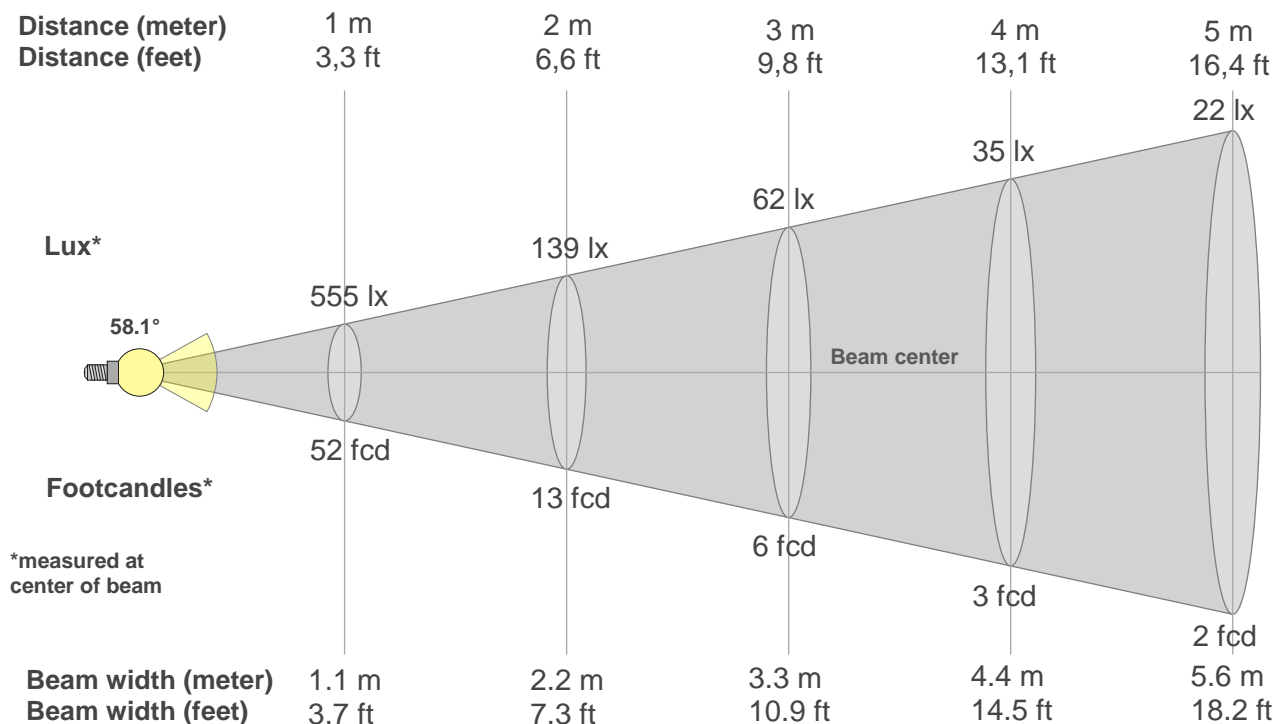
Fidelity index Rf

**Rg 94.6**

Gammut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-10%	0%
2	82	-7%	5%
3	82	-3%	8%
4	92	-2%	3%
5	94	-1%	2%
6	95	-1%	-1%
7	88	-6%	-3%
8	93	-3%	2%
9	88	-5%	5%
10	84	-3%	9%
11	84	1%	11%
12	86	6%	0%
13	86	3%	-9%
14	78	3%	-16%
15	84	-4%	-8%
16	74	-9%	-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
555lx	139lx	62lx	35lx	22lx	15lx	11lx	9lx	7lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx	1lx
51.5fcd	12.9fcd	5.7fcd	3.2fcd	2.1fcd	1.4fcd	1.1fcd	0.8fcd	0.6fcd	0.5fcd	0.4fcd	0.4fcd	0.3fcd	0.3fcd	0.2fcd	0.2fcd	0.2fcd	0.2fcd	0.1fcd	0.1fcd

**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°
555	552	552	546	534	522	504	486	466	444	422	396	369	335	294	253	211	169	134	106
100%	99%	99%	98%	96%	94%	91%	88%	84%	80%	76%	71%	67%	60%	53%	46%	38%	30%	24%	19%

**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°
555	558	558	549	538	524	507	489	468	448	425	400	374	339	301	262	220	179	146	115
100%	101%	101%	99%	97%	95%	91%	88%	84%	81%	77%	72%	67%	61%	54%	47%	40%	32%	26%	21%

**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°
555	552	552	546	534	522	504	486	466	444	422	396	369	335	294	253	211	169	134	106
100%	99%	99%	98%	96%	94%	91%	88%	84%	80%	76%	71%	67%	60%	53%	46%	38%	30%	24%	19%

**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°
555	558	558	549	538	524	507	489	468	448	425	400	374	339	301	262	220	179	146	115
100%	101%	101%	99%	97%	95%	91%	88%	84%	81%	77%	72%	67%	61%	54%	47%	40%	32%	26%	21%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
58.1°	89.2°	107.8°	97.2%	91.8%