

Light efficiency:

77 Lumen/Watt

Light quality:

CRI: 81.6

Color temperature:

3081 K

Output: 875 lm

Peak: 6825 cd

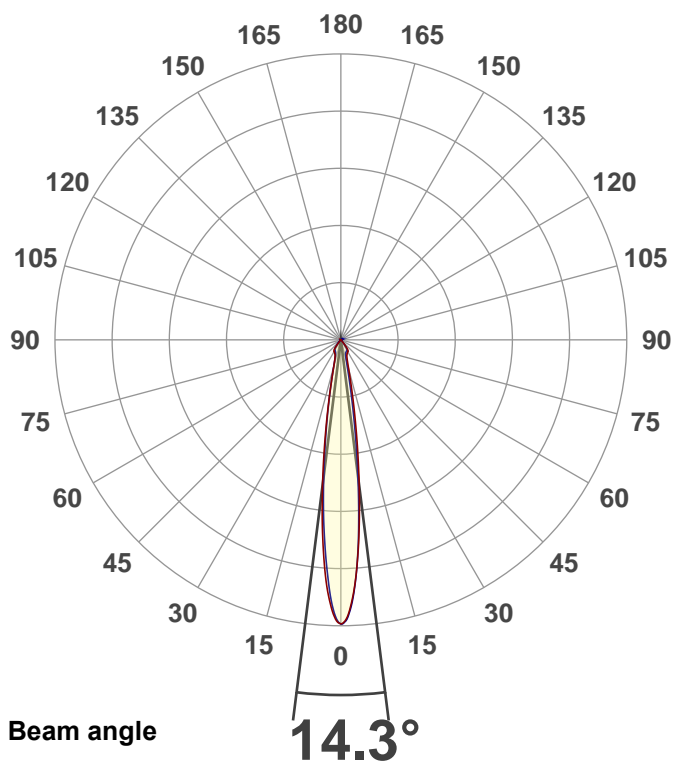
Power: 11.3 W

PF: 0.95



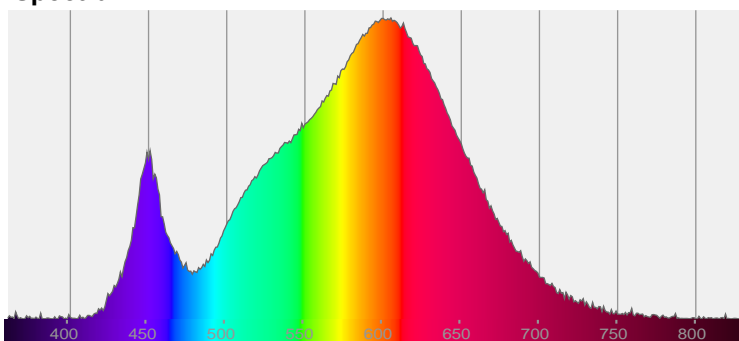
**NU3-RD-SW-10LM-30K-80-15C-120-DIM10-NC-WH-WH**

Date and time:  
1/6/2021 2:53:07 PM

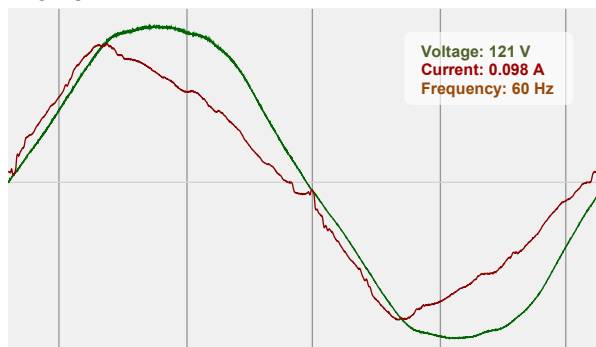


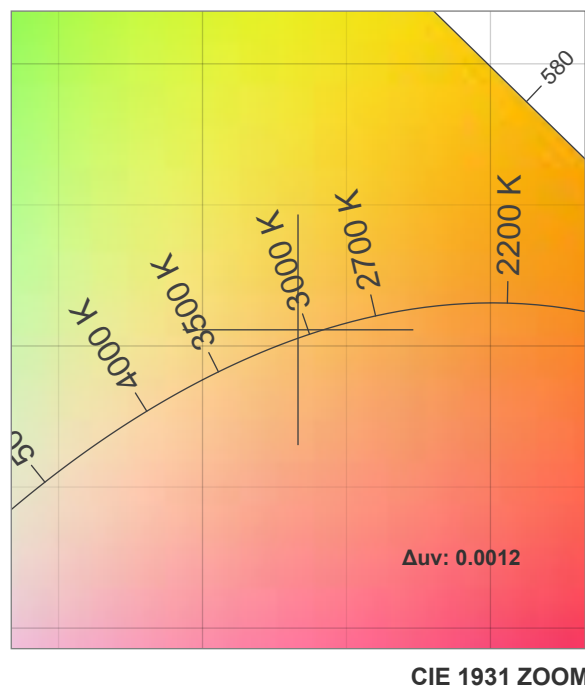
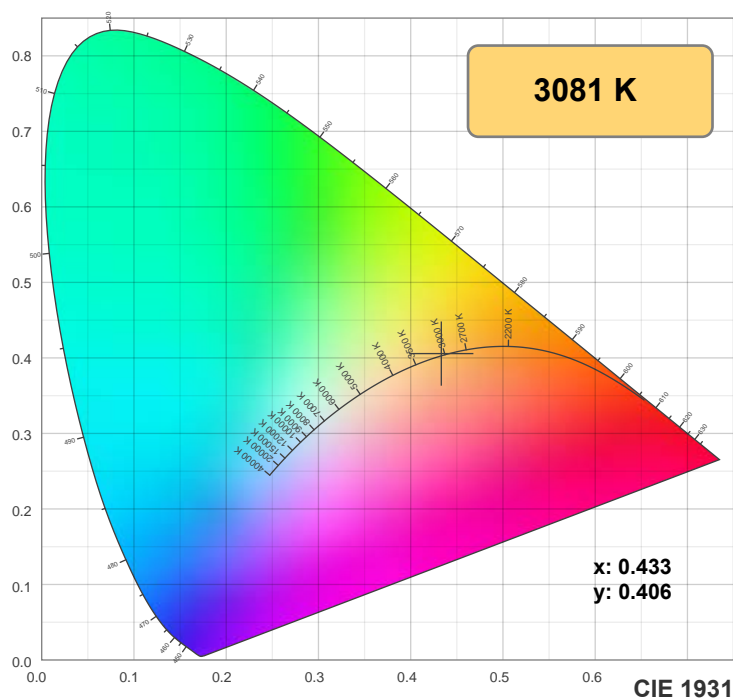
CIE 1931  
x: 0.433  
y: 0.406

Spectra

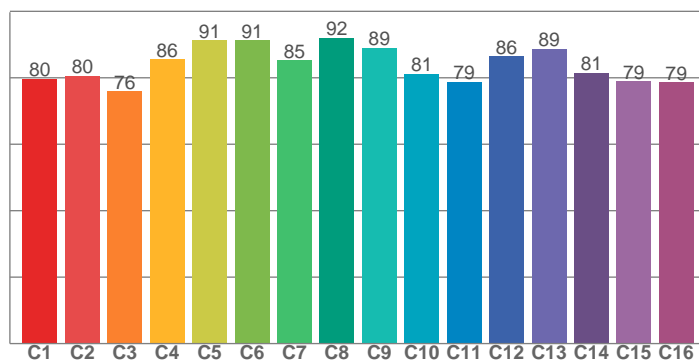


Power

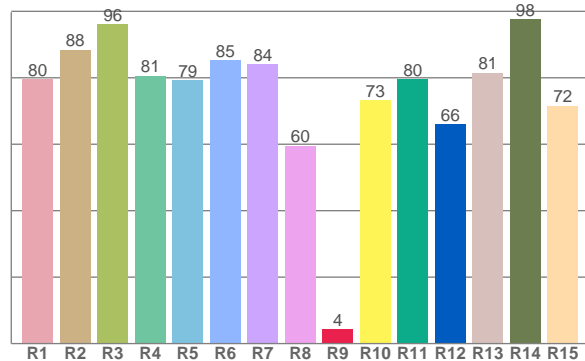




TM30: 83.9



CRI: 81.6 (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
79.6	88.4	96.0	80.6	79.2	85.2	84.0	59.5	4.4	73.2	79.5	66.1	81.5	97.7	71.6

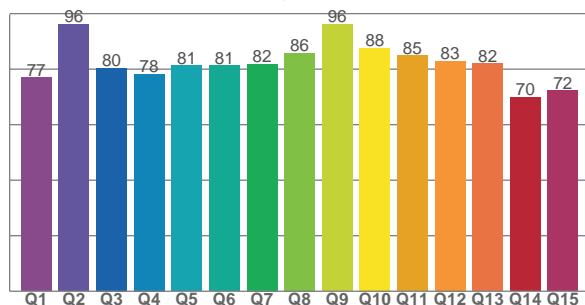
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.7	80.5	75.9	85.5	91.3	91.2	85.3	92.0	88.9	81.2	78.9	86.4	88.7	81.4	79.0	78.6

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.0	96.2	80.5	78.3	81.3	81.3	81.8	85.7	96.2	87.6	84.9	83.0	82.1	69.8	72.2

CQS: 81.1



## 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
3081 K	81.6	4.4	83.9	96.8	81.1	0.433	0.406	0.247	0.348	0.0012

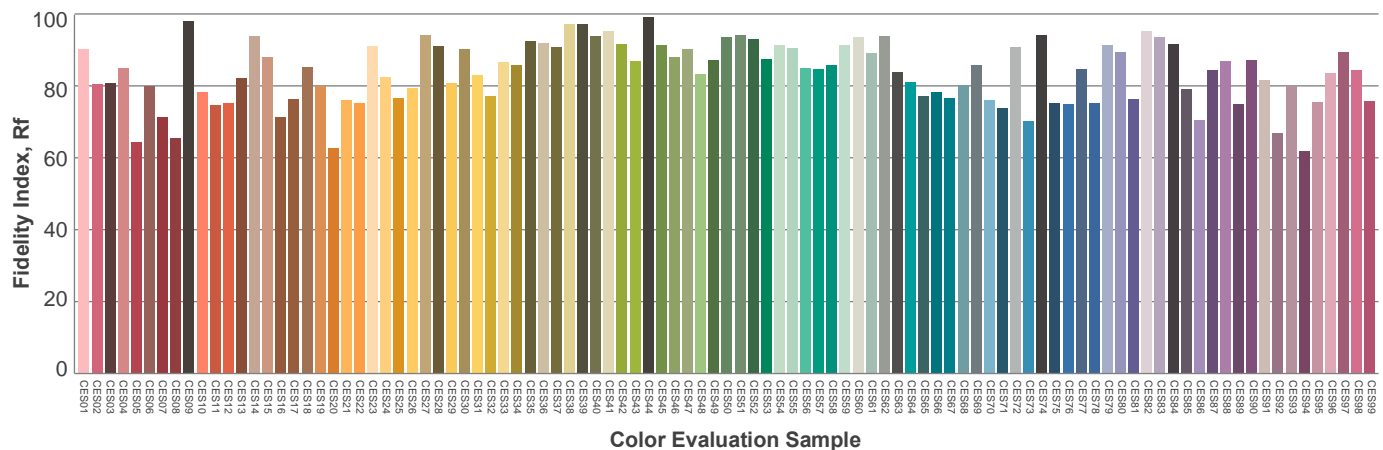
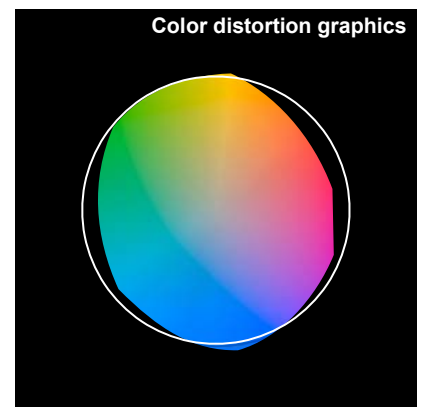
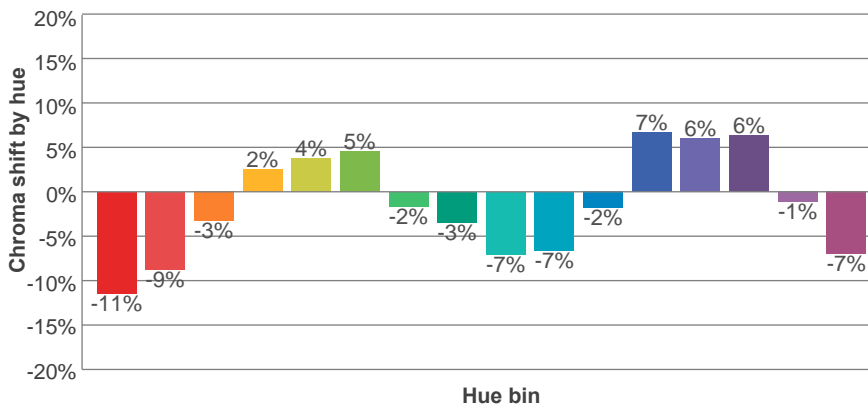
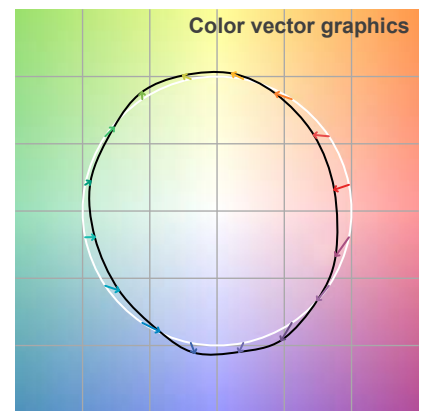
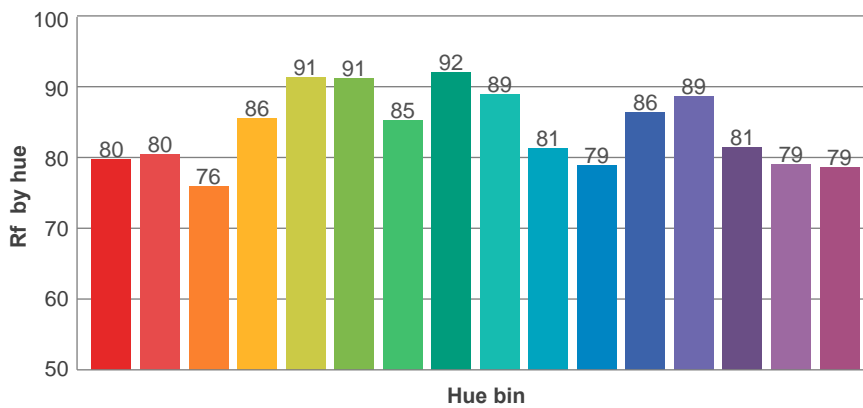
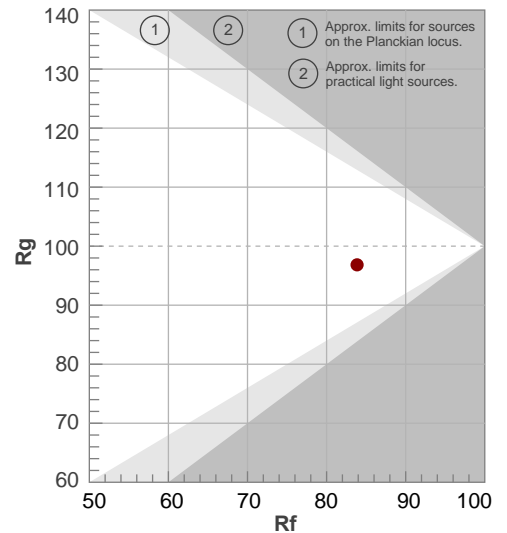
**Rf 83.9**

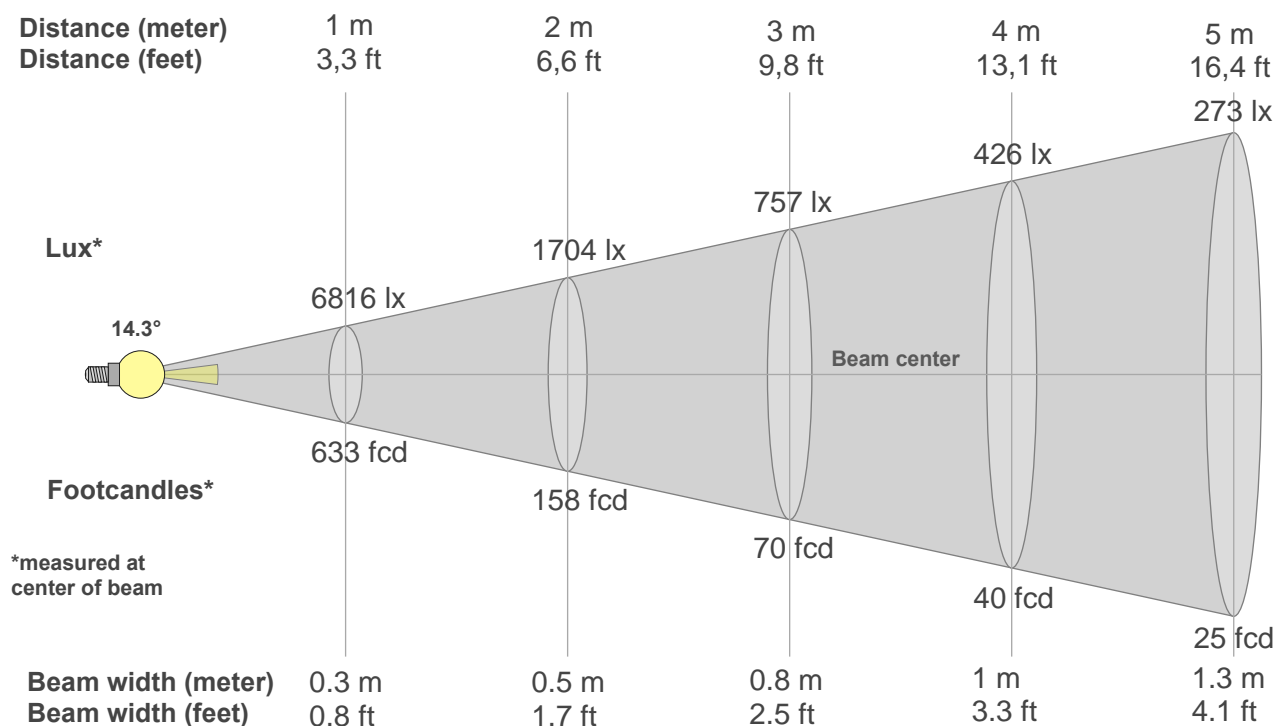
Fidelity index Rf

**Rg 96.8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	80	-11%	-1%
2	80	-9%	7%
3	76	-3%	12%
4	86	2%	9%
5	91	4%	5%
6	91	5%	-3%
7	85	-2%	-9%
8	92	-3%	-3%
9	89	-7%	1%
10	81	-7%	9%
11	79	-2%	14%
12	86	7%	4%
13	89	6%	-4%
14	81	6%	-14%
15	79	-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
6816lx	1704lx	757lx	426lx	273lx	189lx	139lx	107lx	84lx	68lx	56lx	47lx	40lx	35lx	30lx	27lx	24lx	21lx	19lx	17lx
633.2fcd	158.3fcd	70.4fcd	39.6fcd	25.3fcd	17.6fcd	12.9fcd	9.9fcd	7.8fcd	6.3fcd	5.2fcd	4.4fcd	3.7fcd	3.2fcd	2.8fcd	2.5fcd	2.2fcd	2fcd	1.8fcd	1.6fcd

**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°
6816	6723	6439	6022	5492	4896	4259	3629	3035	2505	2032	1643	1319	1069	877	731	623	548	491	453
100%	99%	94%	88%	81%	72%	62%	53%	45%	37%	30%	24%	19%	16%	13%	11%	9%	8%	7%	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°
6816	6746	6481	6050	5486	4823	4097	3389	2730	2134	1642	1252	951	731	585	488	431	393	371	352
100%	99%	95%	89%	80%	71%	60%	50%	40%	31%	24%	18%	14%	11%	9%	7%	6%	6%	5%	5%

**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°
6816	6723	6448	6048	5526	4919	4286	3636	3018	2450	1958	1549	1224	971	786	652	563	501	462	430
100%	99%	95%	89%	81%	72%	63%	53%	44%	36%	29%	23%	18%	14%	12%	10%	8%	7%	7%	6%

**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°
6816	6670	6314	5785	5208	4611	4005	3392	2809	2299	1859	1491	1193	960	785	654	558	489	439	401
100%	98%	93%	85%	76%	68%	59%	50%	41%	34%	27%	22%	18%	14%	12%	10%	8%	7%	6%	6%

Beam angle 50°	Field angle 10°	Cutoff angle 2,5°	Intensity ratio in 120° cone	Intensity ratio in 90° cone
{B_ANG}°	29.1°	74.6°	99.4%	98.9%