

Light efficiency:

43 Lumen/Watt

Light quality:

CRI: 82.0

Color temperature:

3091 K

Output: 1321 lm

Peak: 3787 cd

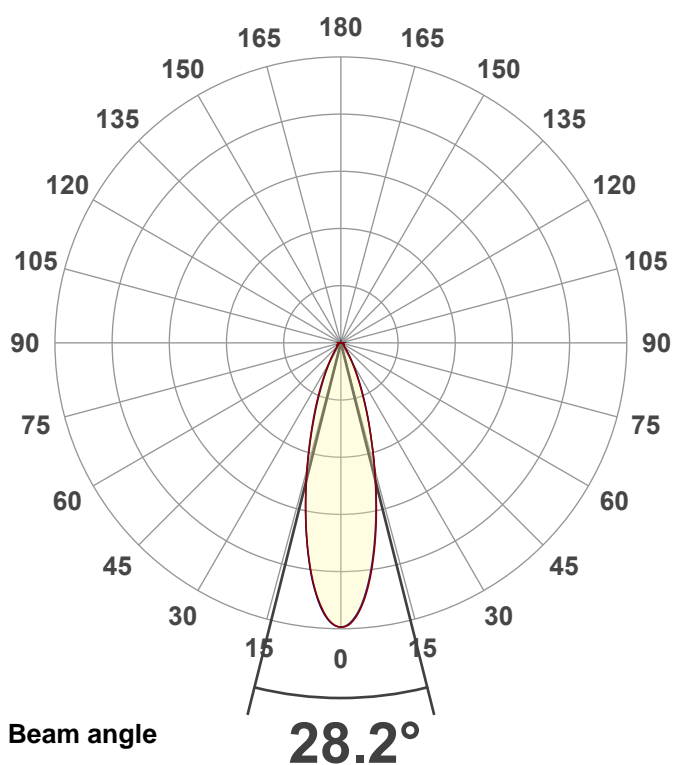
Power: 30.7 W

PF: 0.98



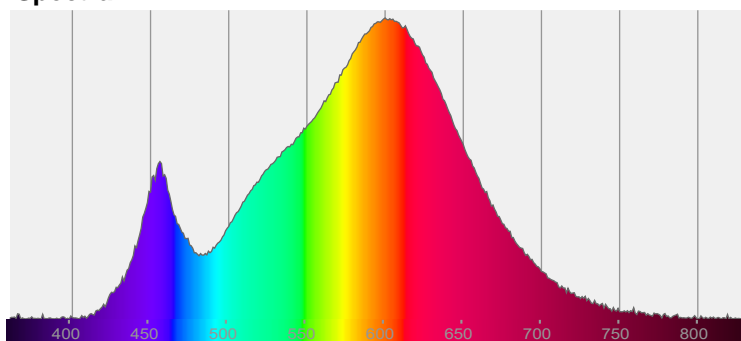
NU3-RA-SW-20LM-30K-80-15D-NA-DL-WH

Date and time:  
5/20/2022 9:40:08 AM

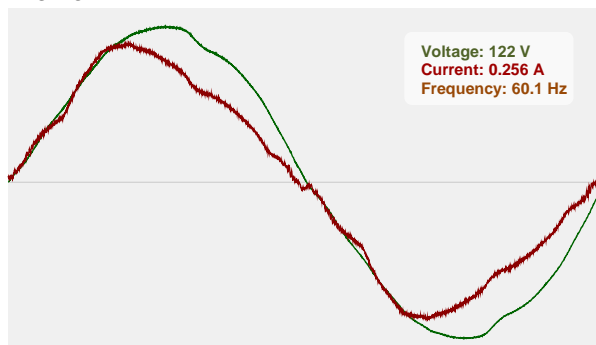


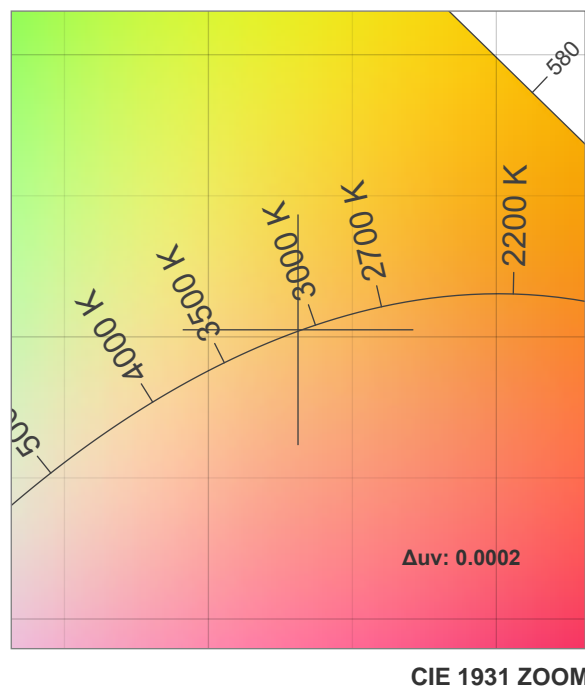
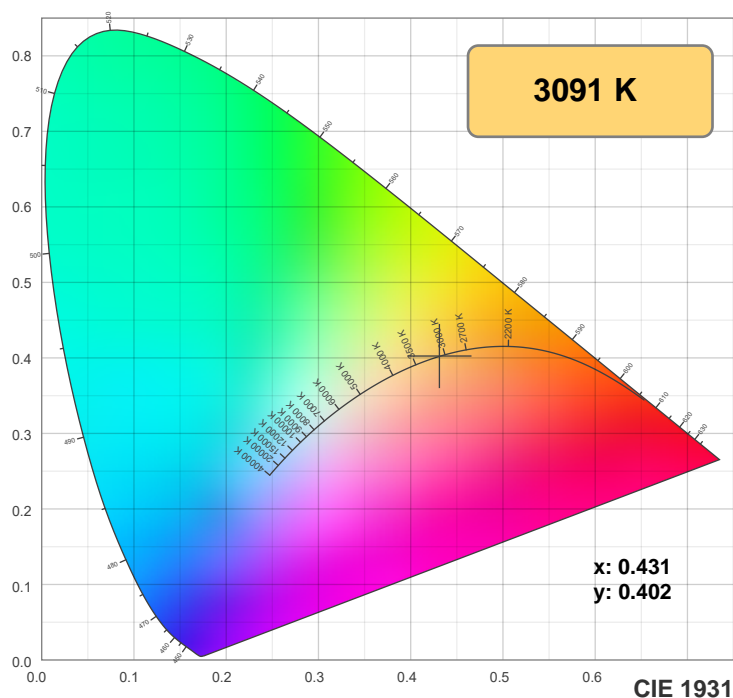
CIE 1931  
x: 0.431  
y: 0.402

Spectra

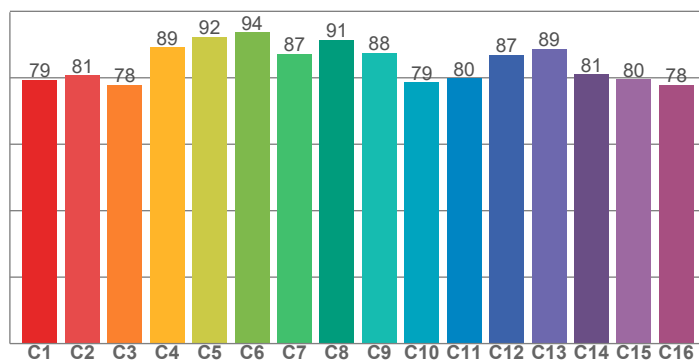


Power

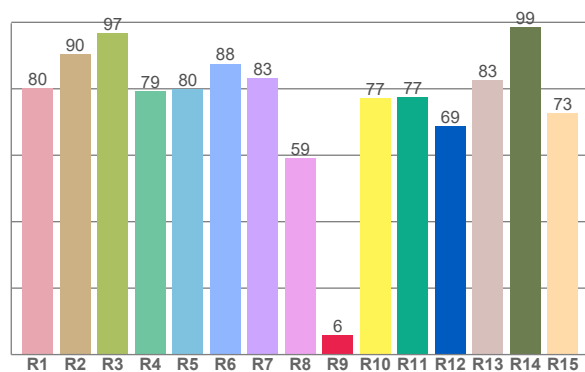




TM30: 84.4



CRI: 82.0 (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
80.1	90.3	96.6	79.4	79.8	87.5	83.1	59.1	5.8	77.1	77.5	68.7	82.6	98.6	72.6

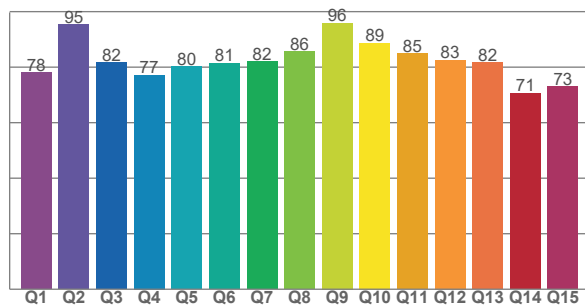
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.3	80.7	77.9	89.1	92.3	93.6	87.1	91.4	87.6	78.6	79.8	86.9	88.7	81.0	79.5	77.9

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
78.0	95.4	81.6	77.2	80.3	81.4	82.0	85.6	95.9	88.7	84.9	82.5	81.6	70.6	73.1

CQS: 81.2



## 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	$\Delta uv$
3091 K	82.0	5.8	84.4	95.1	81.2	0.431	0.402	0.247	0.347	0.0002

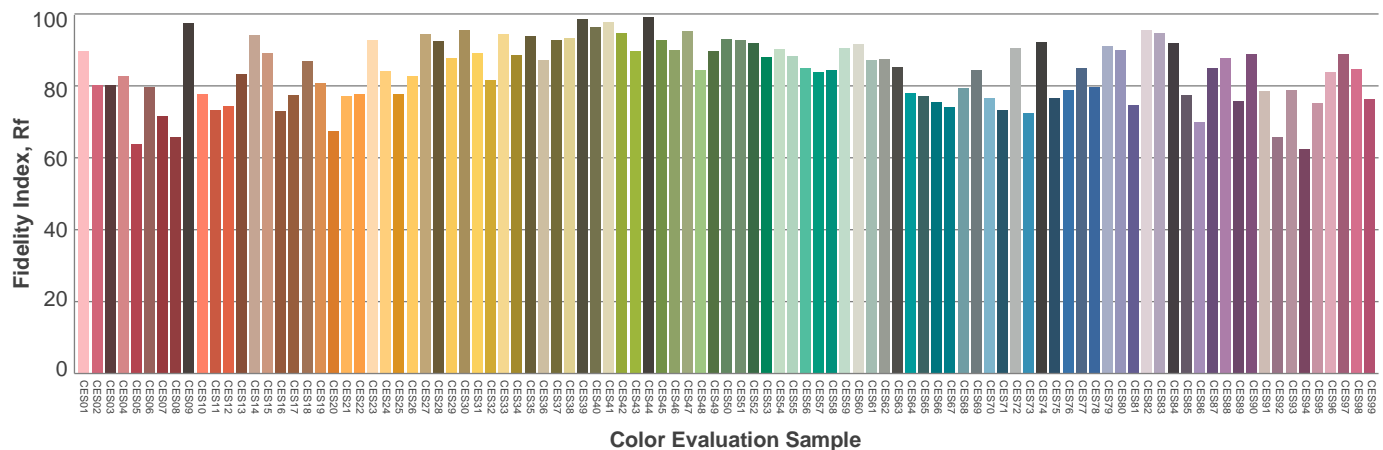
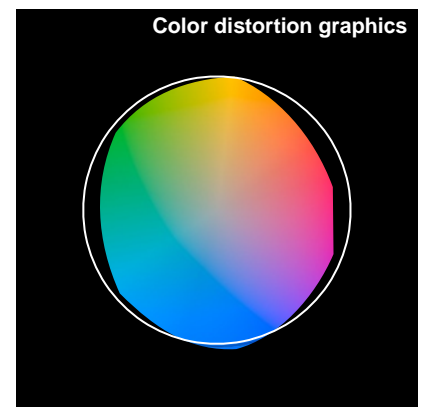
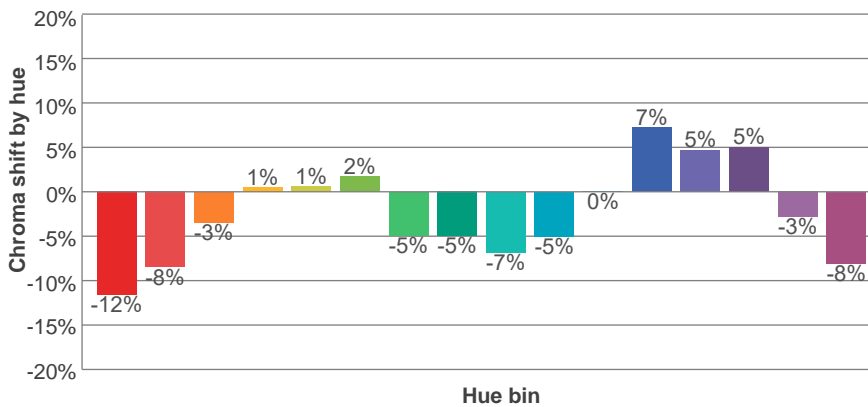
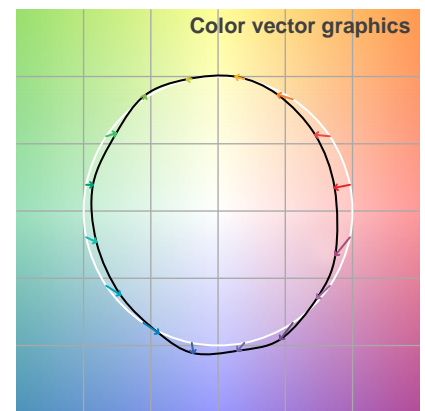
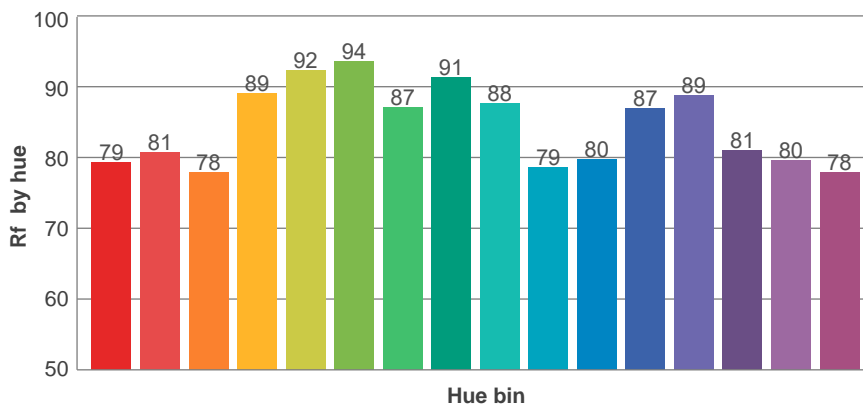
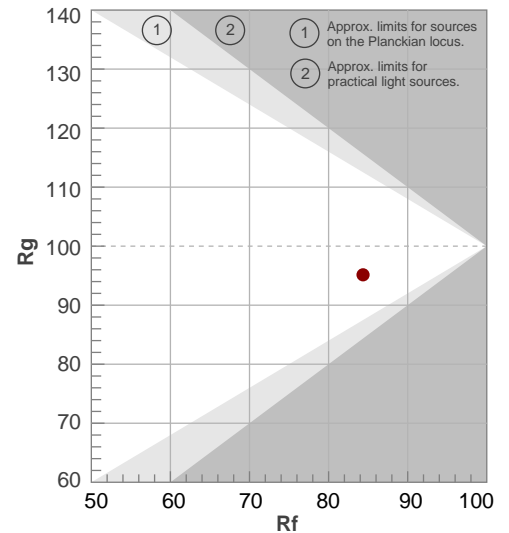
**Rf 84.4**

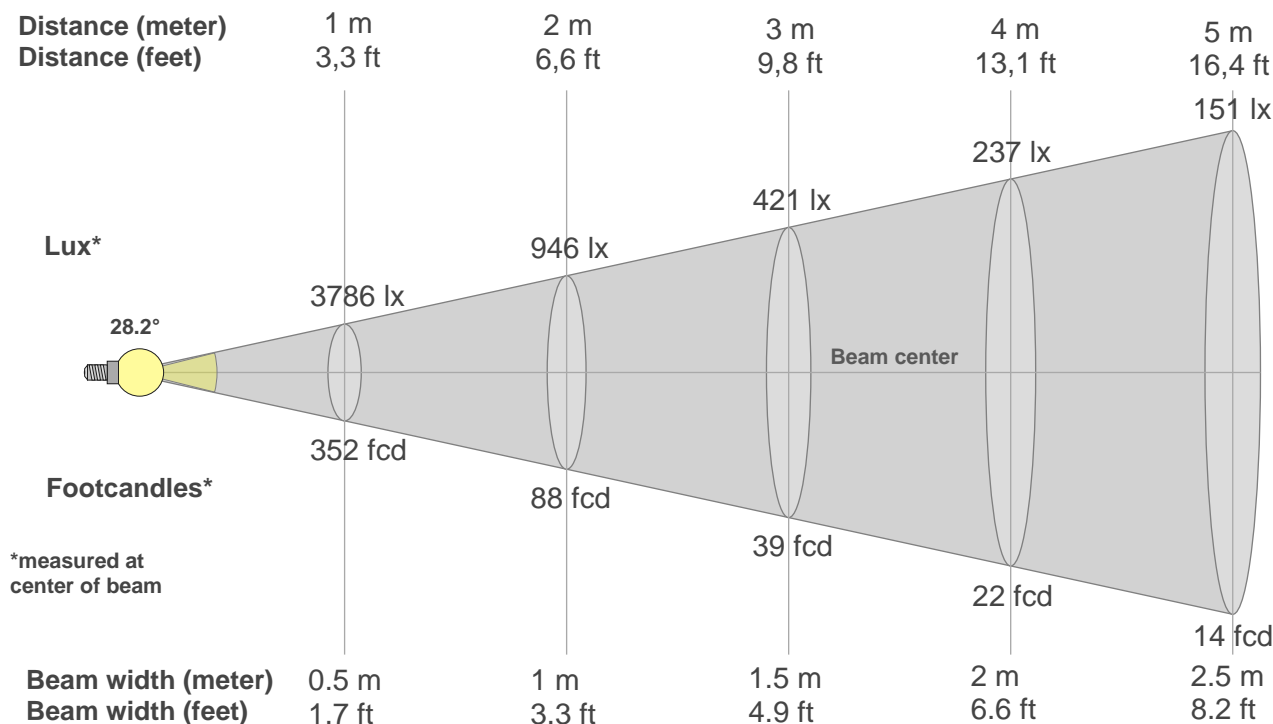
Fidelity index Rf

**Rg 95.1**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	0%
2	81	-8%	7%
3	78	-3%	11%
4	89	1%	7%
5	92	1%	4%
6	94	2%	-3%
7	87	-5%	-6%
8	91	-5%	-1%
9	88	-7%	5%
10	79	-5%	11%
11	80	0%	14%
12	87	7%	3%
13	89	5%	-6%
14	81	5%	-15%
15	80	-3%	-13%
16	78	-8%	-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
3786lx	946lx	421lx	237lx	151lx	105lx	77lx	59lx	47lx	38lx	31lx	26lx	22lx	19lx	17lx	15lx	13lx	12lx	10lx	9lx
351.7fcd	87.9fcd	39.1fcd	22fcd	14.1fcd	9.8fcd	7.2fcd	5.5fcd	4.3fcd	3.5fcd	2.9fcd	2.4fcd	2.1fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	1fcd	0.9fcd

#### 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°
3786	3738	3576	3324	3004	2646	2276	1914	1580	1281	1033	817	644	502	388	297	227	173	133	106
100%	99%	94%	88%	79%	70%	60%	51%	42%	34%	27%	22%	17%	13%	10%	8%	6%	5%	4%	3%

#### 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°
3786	3724	3556	3296	2973	2616	2252	1899	1572	1285	1047	838	666	521	403	313	237	181	140	110
100%	98%	94%	87%	79%	69%	59%	50%	42%	34%	28%	22%	18%	14%	11%	8%	6%	5%	4%	3%

#### 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°
3786	3725	3553	3301	2979	2624	2260	1913	1588	1301	1062	860	688	544	426	331	257	198	154	122
100%	98%	94%	87%	79%	69%	60%	51%	42%	34%	28%	23%	18%	14%	11%	9%	7%	5%	4%	3%

#### 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°
3786	3733	3571	3313	2991	2628	2258	1899	1567	1272	1021	814	640	504	391	302	233	180	139	111
100%	99%	94%	88%	79%	69%	60%	50%	41%	34%	27%	22%	17%	13%	10%	8%	6%	5%	4%	3%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28.2°	57.1°	79.3°	95.3%	90.1%