

Light efficiency:

69 Lumen/Watt

Light quality:

CRI: 81.3

Color temperature:

3072 K

Output: 2607 lm

Peak: 4303 cd

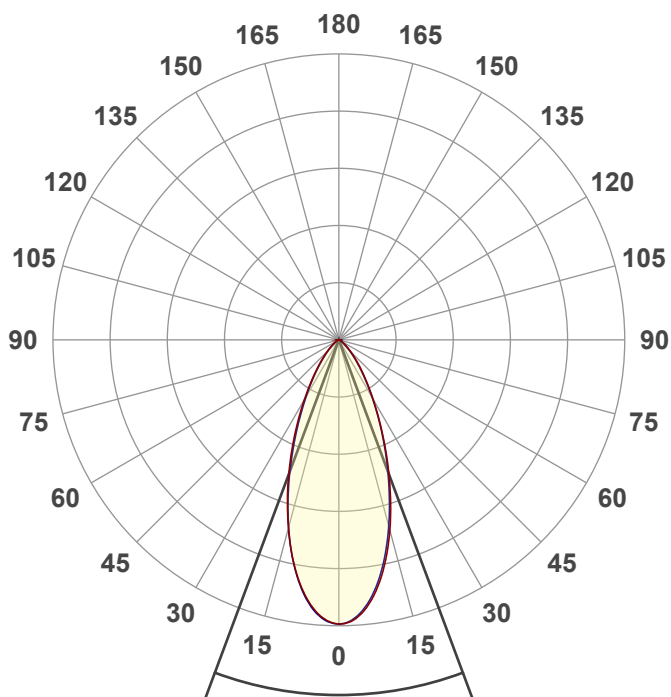
Power: 37.9 W

PF: 0.98



NU3-RA-SW-40LM-30K-80-25D-NA-DL-WH

Date and time:  
5/12/2022 1:36:13 PM



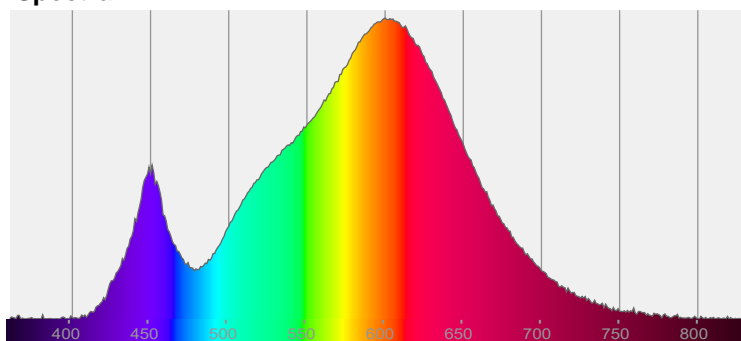
Beam angle

40.9°

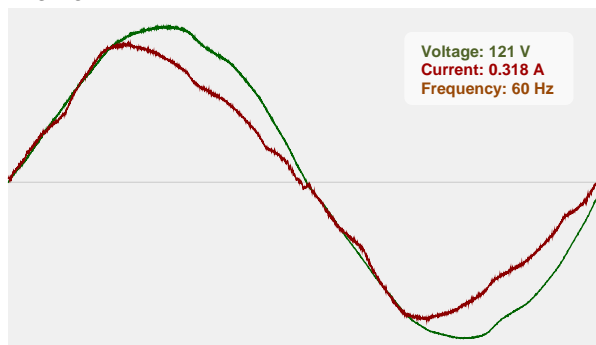


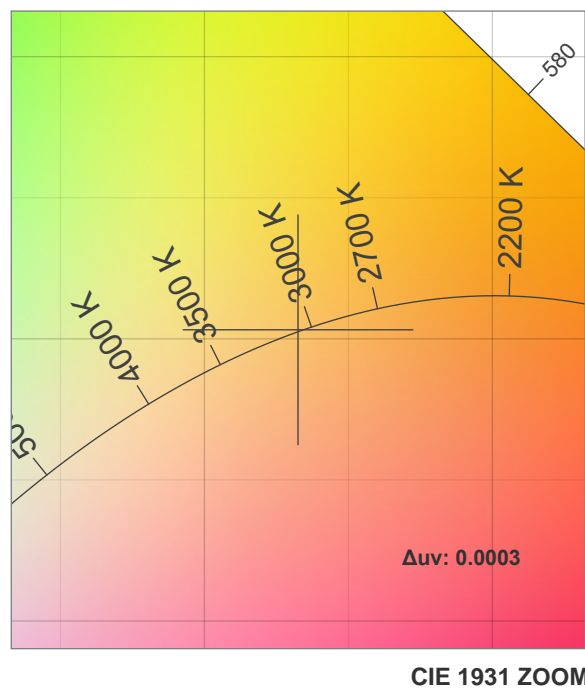
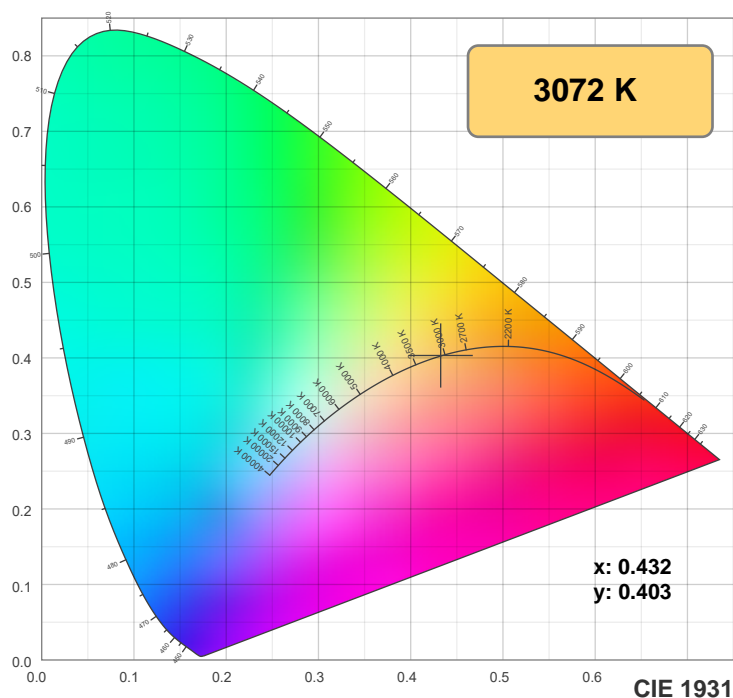
CIE 1931  
x: 0.432  
y: 0.403

Spectra

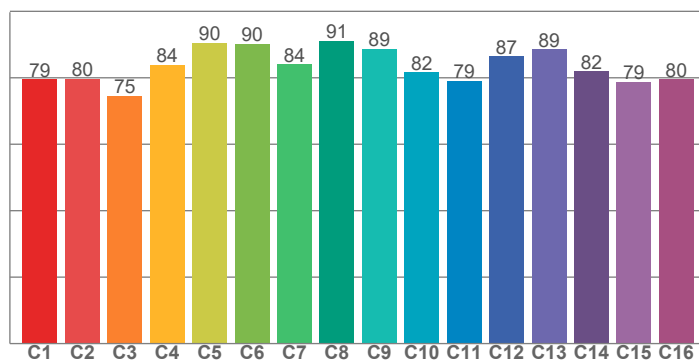


Power

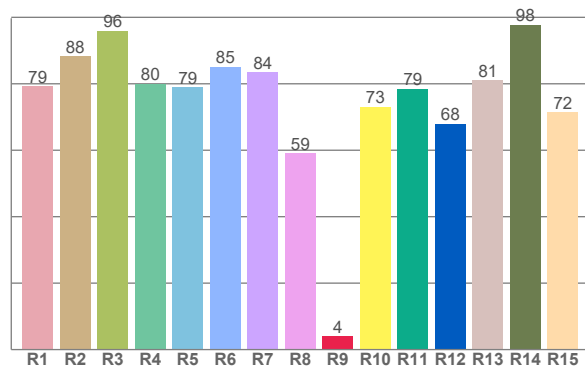




TM30: 83.4



CRI: 81.3 (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
79.2	88.4	96.0	80.0	78.9	85.1	83.5	59.1	4.0	73.1	78.5	68.0	81.1	97.7	71.5

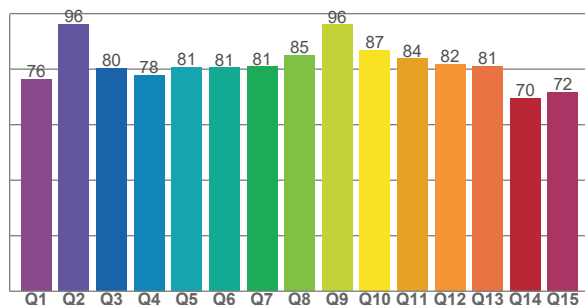
TM30 C values, 16 binned values out of total of 99 C values

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79.5	79.8	74.6	83.8	90.5	90.2	84.0	91.1	88.7	81.6	79.0	86.5	88.5	81.9	78.7	79.5

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
76.3	96.3	80.3	77.9	80.8	80.6	81.0	85.0	96.1	86.9	83.8	81.8	81.2	69.6	71.8

CQS: 80.5



## 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	$\Delta uv$
3072 K	81.3	4.0	83.4	97.1	80.5	0.432	0.403	0.248	0.347	0.0003

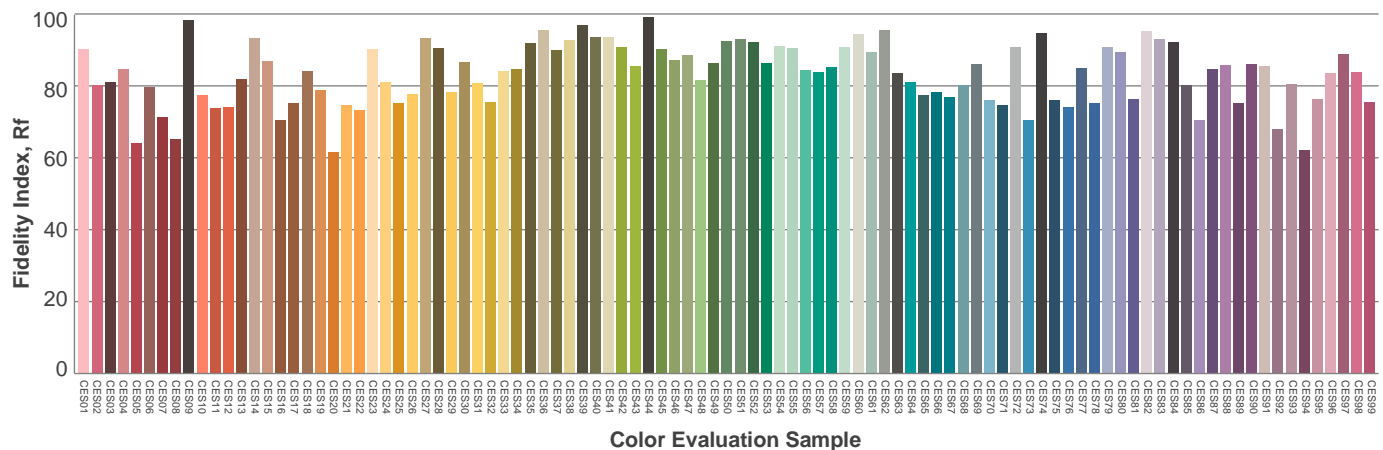
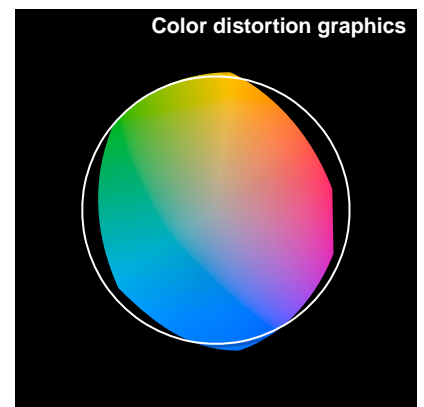
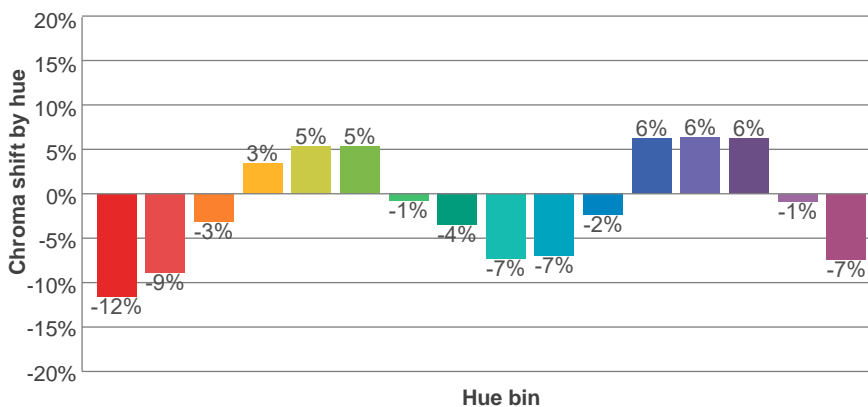
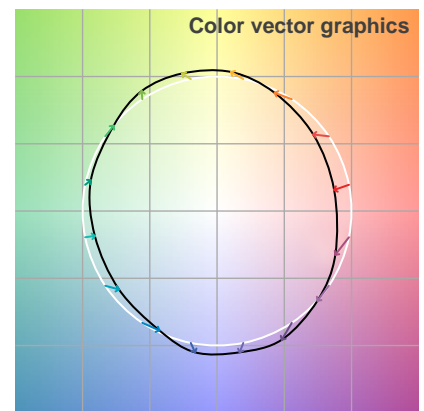
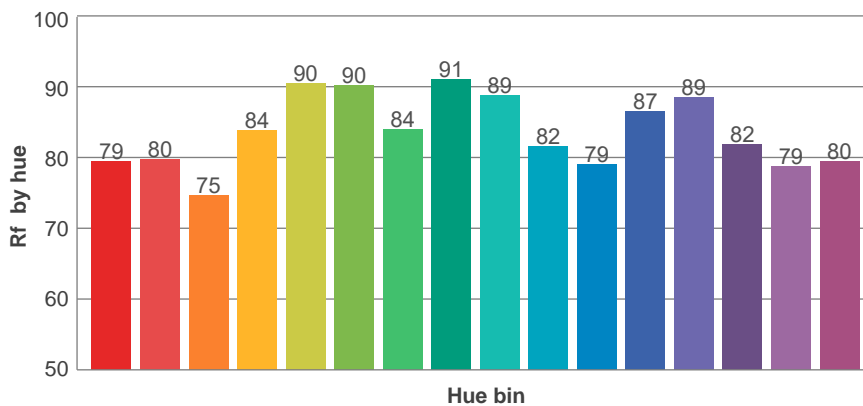
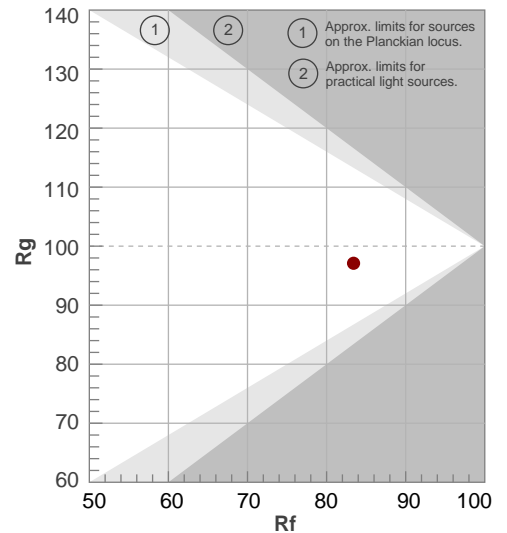
**Rf 83.4**

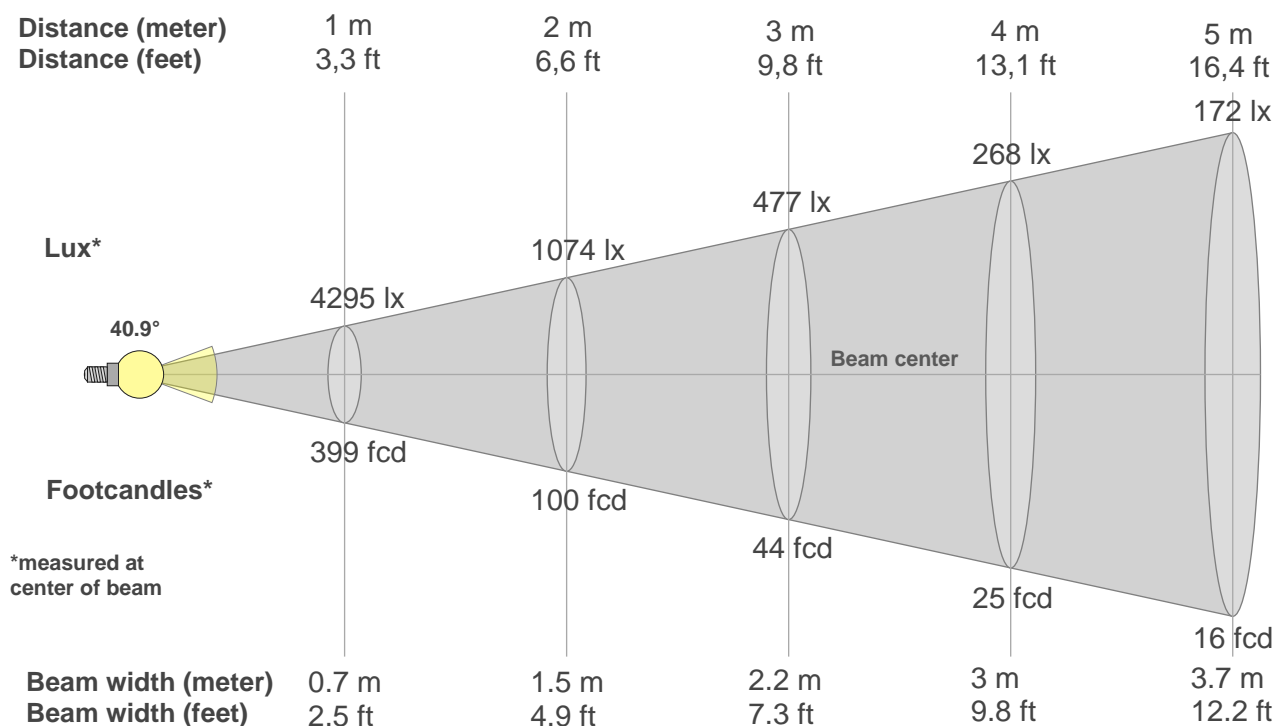
Fidelity index Rf

**Rg 97.1**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	79	-12%	-2%
2	80	-9%	8%
3	75	-3%	13%
4	84	3%	10%
5	90	5%	6%
6	90	5%	-3%
7	84	-1%	-10%
8	91	-4%	-4%
9	89	-7%	0%
10	82	-7%	8%
11	79	-2%	14%
12	87	6%	4%
13	89	6%	-4%
14	82	6%	-13%
15	79	-1%	-14%
16	80	-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
4295lx	1074lx	477lx	268lx	172lx	119lx	88lx	67lx	53lx	43lx	35lx	30lx	25lx	22lx	19lx	17lx	15lx	13lx	12lx	11lx
399.1fcd	99.8fcd	44.3fcd	24.9fcd	16fcd	11.1fcd	8.1fcd	6.2fcd	4.9fcd	4fcd	3.3fcd	2.8fcd	2.4fcd	2fcd	1.8fcd	1.6fcd	1.4fcd	1.2fcd	1.1fcd	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°
4295	4271	4192	4061	3884	3662	3404	3126	2834	2534	2236	1953	1686	1444	1227	1035	872	732	614	511
100%	99%	98%	95%	90%	85%	79%	73%	66%	59%	52%	45%	39%	34%	29%	24%	20%	17%	14%	12%

#### 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°
4295	4270	4174	4027	3836	3607	3347	3064	2770	2473	2187	1914	1652	1417	1203	1014	847	701	577	475
100%	99%	97%	94%	89%	84%	78%	71%	64%	58%	51%	45%	38%	33%	28%	24%	20%	16%	13%	11%

#### 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°
4295	4265	4175	4032	3845	3622	3369	3096	2805	2519	2236	1961	1701	1458	1242	1048	877	730	604	499
100%	99%	97%	94%	90%	84%	78%	72%	65%	59%	52%	46%	40%	34%	29%	24%	20%	17%	14%	12%

#### 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°
4295	4267	4185	4050	3866	3637	3373	3086	2787	2486	2189	1896	1634	1393	1177	990	828	691	572	470
100%	99%	97%	94%	90%	85%	79%	72%	65%	58%	51%	44%	38%	32%	27%	23%	19%	16%	13%	11%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
40.9°	78.6°	104.4°	98.8%	93.1%