

Light efficiency:



Light quality:



Color temperature:



Output: 1216 lm

Peak: 4698 cd

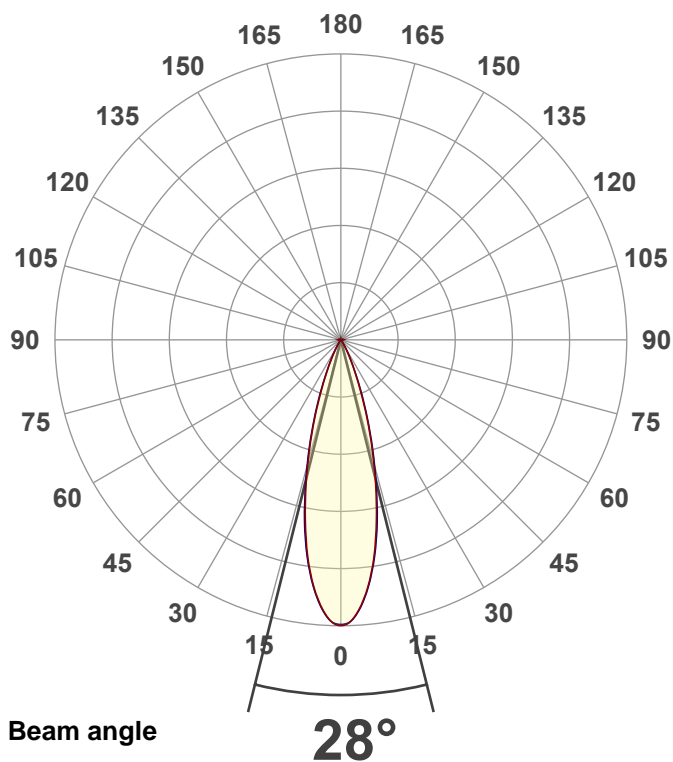
Power: 35.8 W

PF: 0.98



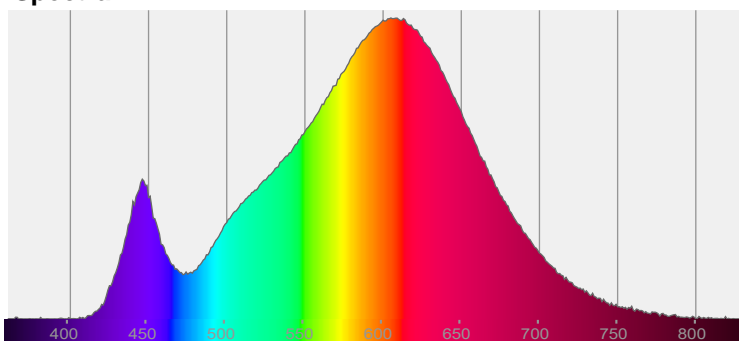
NU3-RA-XTM09-20LM-30K-83-35D-HCL-NL-WH-WH

Date and time:
6/7/2022 10:08:16 AM

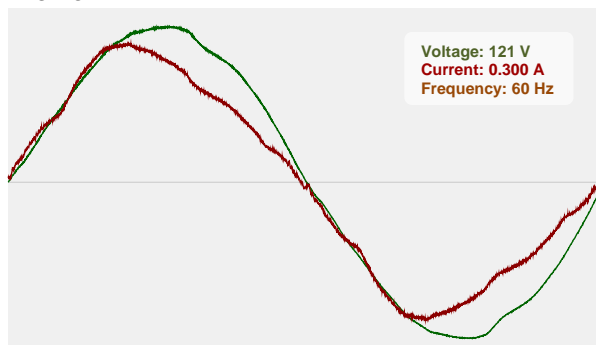


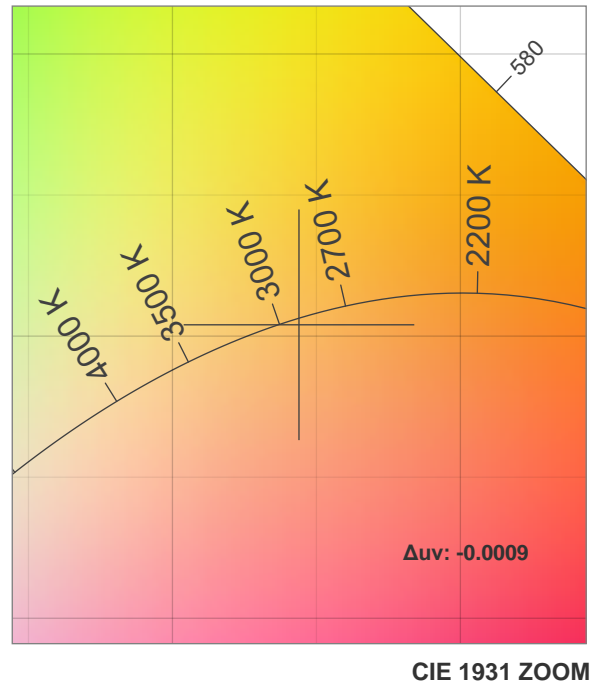
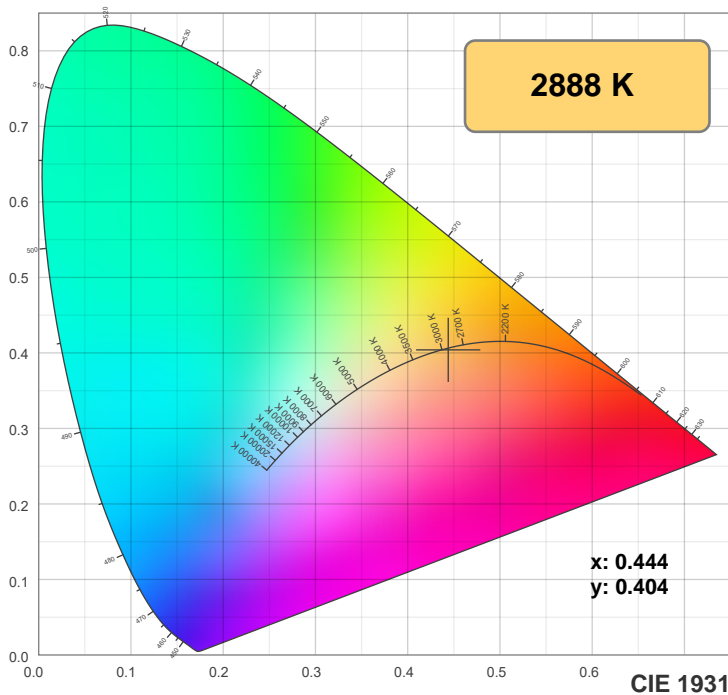
CIE 1931
x: 0.444
y: 0.404

Spectra

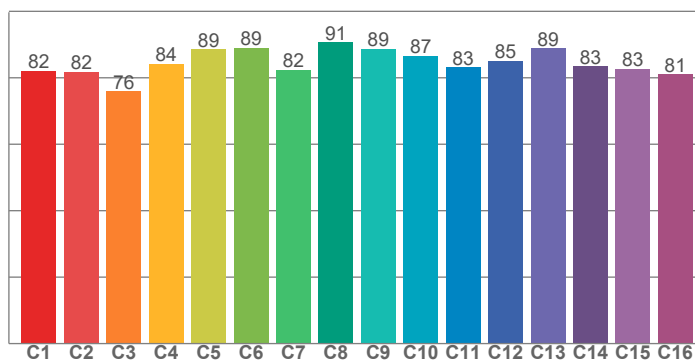


Power

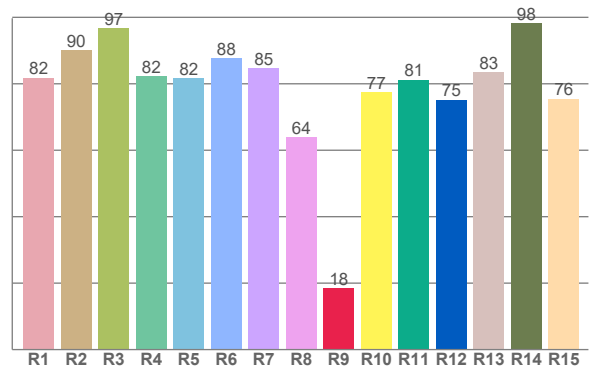




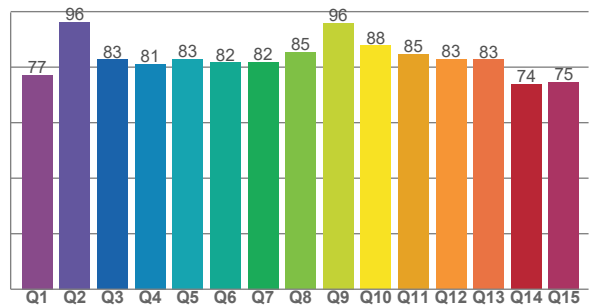
TM30: 84.5



CRI: 83.6 (R1-R8)



CQS: 82.2



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
81.8	90.1	96.7	82.3	81.7	87.6	84.8	63.8	18.4	77.5	81.3	75.2	83.4	98.2	75.5

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
82.0	81.8	75.9	84.2	88.6	88.9	82.4	90.7	88.7	86.5	83.2	85.2	88.8	83.5	82.6	81.1

CQS Q values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15
77.2	96.2	82.8	81.1	82.9	81.7	81.8	85.4	95.9	87.8	84.8	82.8	82.7	73.8	74.7

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
2888 K	83.6	18.4	84.5	98.8	82.2	0.444	0.404	0.255	0.348	-0.0009

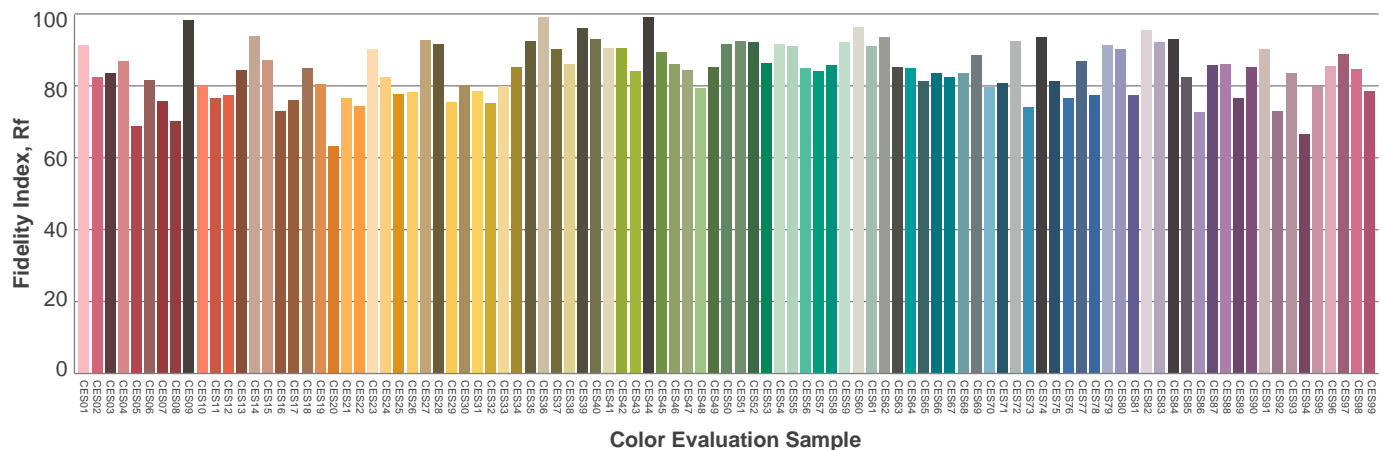
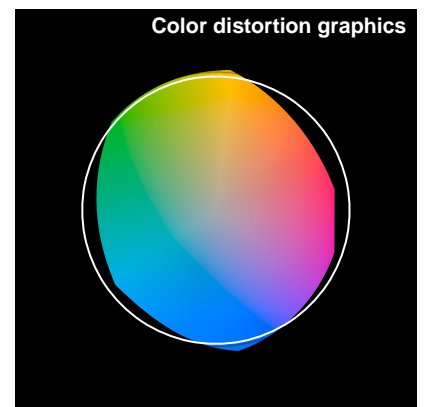
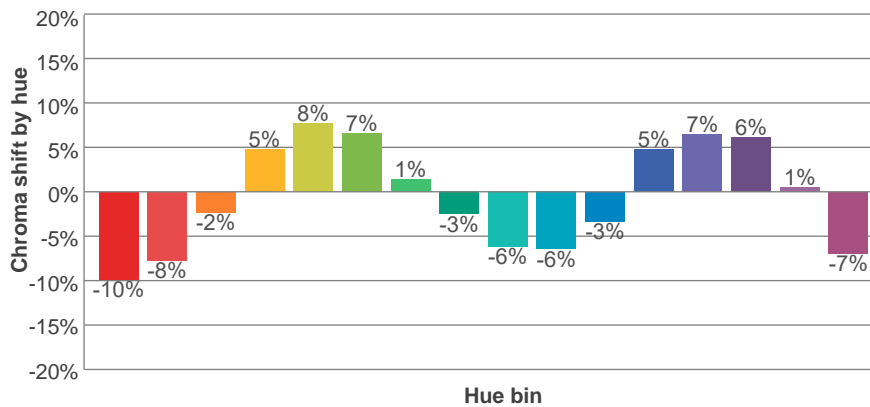
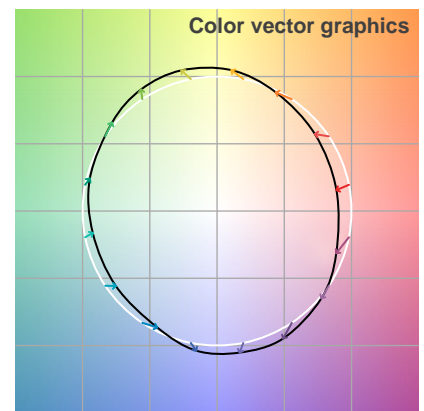
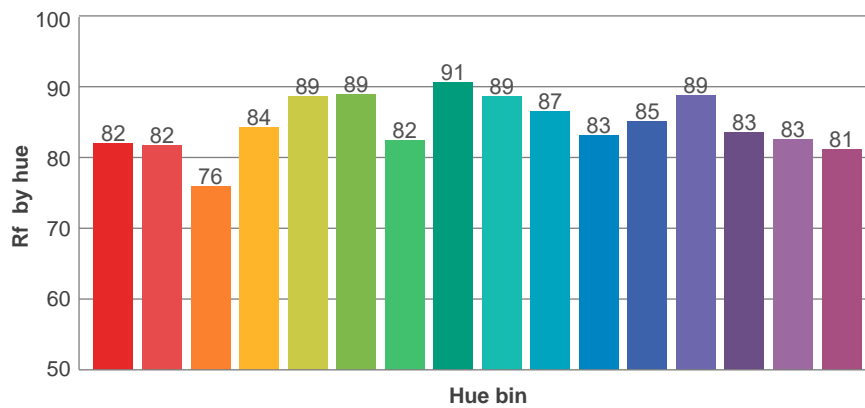
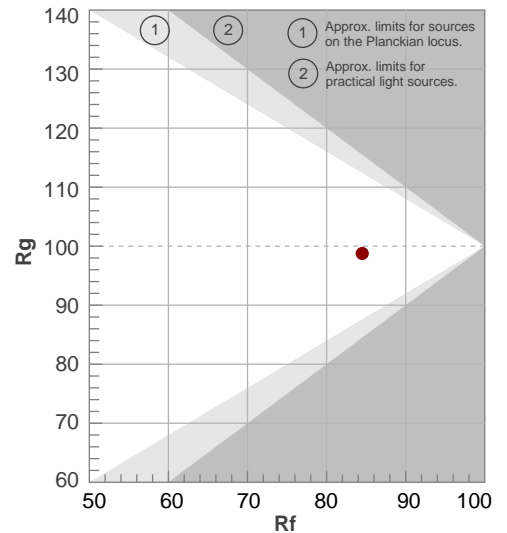
Rf 84.5

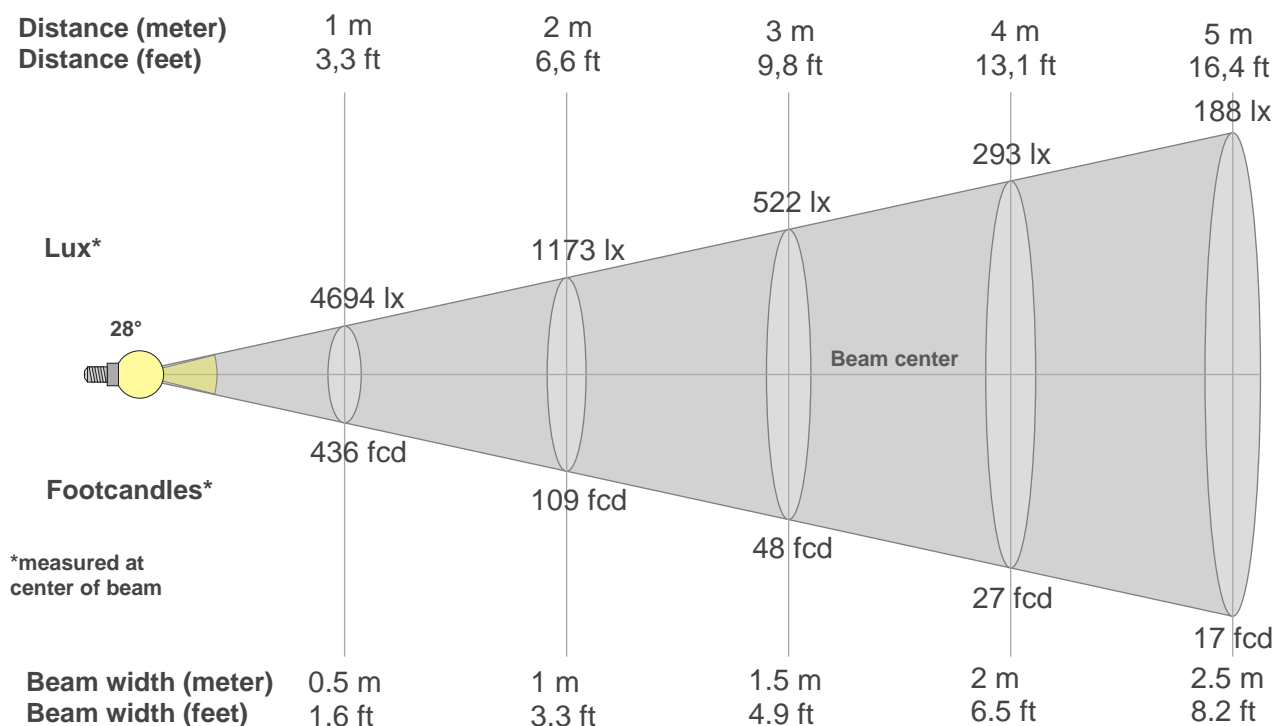
Fidelity index Rf

Rg 98.8

Gamut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	82	-10%	-2%
2	82	-8%	7%
3	76	-2%	13%
4	84	5%	10%
5	89	8%	6%
6	89	7%	-3%
7	82	1%	-11%
8	91	-3%	-5%
9	89	-6%	-2%
10	87	-6%	4%
11	83	-3%	11%
12	85	5%	5%
13	89	7%	-4%
14	83	6%	-12%
15	83	1%	-11%
16	81	-7%	-13%





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
4694lx	1173lx	522lx	293lx	188lx	130lx	96lx	73lx	58lx	47lx	39lx	33lx	28lx	24lx	21lx	18lx	16lx	14lx	13lx	12lx
436fcd	109fcd	48.4fcd	27.3fcd	17.4fcd	12.1fcd	8.9fcd	6.8fcd	5.4fcd	4.4fcd	3.6fcd	3fcd	2.6fcd	2.2fcd	1.9fcd	1.7fcd	1.5fcd	1.3fcd	1.2fcd	1.1fcd

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°
4694	4629	4435	4138	3755	3307	2827	2345	1877	1460	1086	780	546	373	247	155	92	54	36	25
100%	99%	94%	88%	80%	70%	60%	50%	40%	31%	23%	17%	12%	8%	5%	3%	2%	1%	1%	1%

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°
4694	4631	4454	4151	3782	3356	2887	2393	1929	1509	1140	824	565	377	256	164	98	56	36	27
100%	99%	95%	88%	81%	72%	62%	51%	41%	32%	24%	18%	12%	8%	5%	3%	2%	1%	1%	1%

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°
4694	4629	4435	4138	3755	3307	2827	2345	1877	1460	1086	780	546	373	247	155	92	54	36	25
100%	99%	94%	88%	80%	70%	60%	50%	40%	31%	23%	17%	12%	8%	5%	3%	2%	1%	1%	1%

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°
4694	4631	4454	4151	3782	3356	2887	2393	1929	1509	1140	824	565	377	256	164	98	56	36	27
100%	99%	95%	88%	81%	72%	62%	51%	41%	32%	24%	18%	12%	8%	5%	3%	2%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
28°	49.7°	62°	99.8%	99.5%