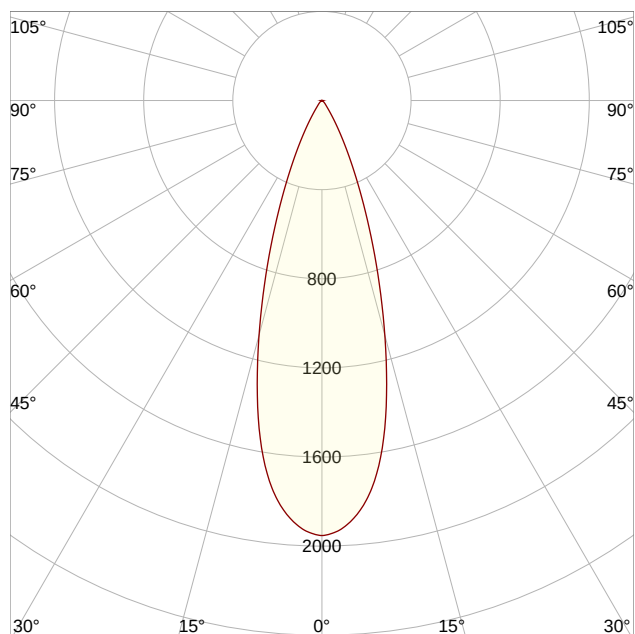
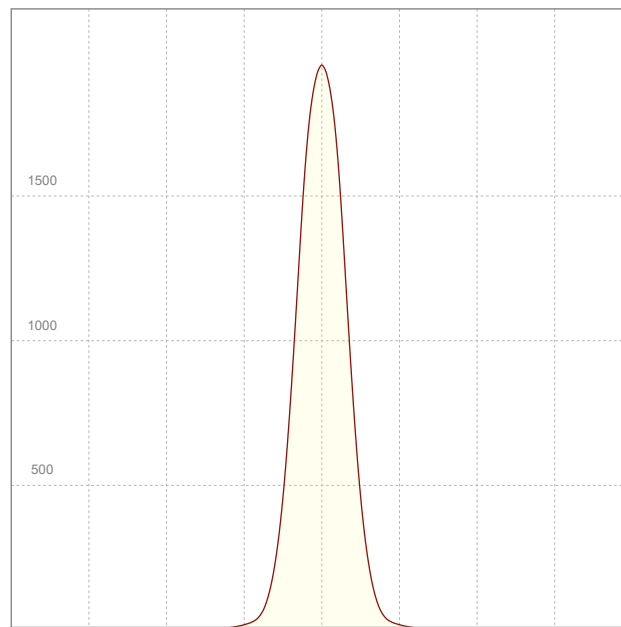


General Discription

Item number	T-C-XCX-1C-NA70-W
Date and time	8-12-2025 14:27:46
CCT (Kelvin)	10066 K
Beam angle	32,3°
Luminous flux	684 lm
Efficiency	49 lm/watt
Weighted energy	13,9 kWh/1000h
Power factor	0,47
CRI (RA)	53,9
Fidelity index Rf	Rf 68,9
Gammut index Rg	Rg 124,9
Peak	1951 cd



Polar curve



Linear distribution diagram

LM-79

Test Report

LM79-TOPAZ-COLOURFLOW-RGBA-WIDE [ALL]

Beam details	1m	2m	3m	4m	5m
Lux*	1951 lx	488 lx	217 lx	122 lx	78 lx

32,3°

*measured at center of beam

Footcandles*	181,3 fcd	45,3 fcd	20,1 fcd	11,3 fcd	7,3 fcd
Beam width (meter)	0,6 m	1,2 m	1,7 m	2,3 m	2,9 m
Beam width (Feet)	1,9 ft	3,8 ft	5,7 ft	7,6 ft	9,5 ft

Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
1951lx	488lx	217lx	122lx	78lx	54lx	40lx	30lx	24lx	20lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	5lx	5lx
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
181,3fcd	45,3fcd	20,1fcd	11,3fcd	7,3fcd	5fcd	3,7fcd	2,8fcd	2,2fcd	1,8fcd	1,5fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,5fcd

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°
1951	1934	1890	1819	1714	1569	1389	1190	992	806	638	492	372	275	199	141	98	68	49	36
100%	99%	97%	93%	88%	80%	71%	61%	51%	41%	33%	25%	19%	14%	10%	7%	5%	4%	3%	2%

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°
1951	1934	1890	1819	1714	1569	1389	1190	992	806	638	492	372	275	199	141	98	68	49	36
100%	99%	97%	93%	88%	80%	71%	61%	51%	41%	33%	25%	19%	14%	10%	7%	5%	4%	3%	2%

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°
1951	1934	1890	1819	1714	1569	1389	1190	992	806	638	492	372	275	199	141	98	68	49	36
100%	99%	97%	93%	88%	80%	71%	61%	51%	41%	33%	25%	19%	14%	10%	7%	5%	4%	3%	2%

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°
1951	1934	1890	1819	1714	1569	1389	1190	992	806	638	492	372	275	199	141	98	68	49	36
100%	99%	97%	93%	88%	80%	71%	61%	51%	41%	33%	25%	19%	14%	10%	7%	5%	4%	3%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
32,3°	56,2°	72,1°	99,1%	97,3%



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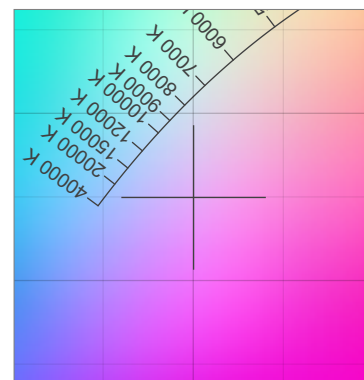
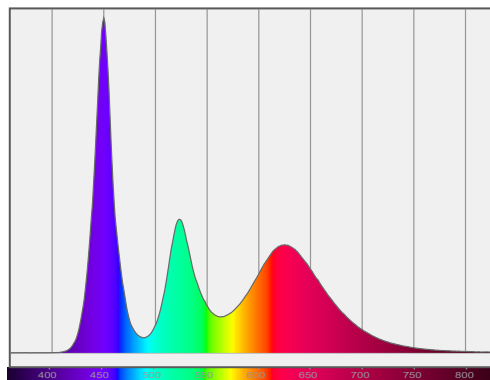
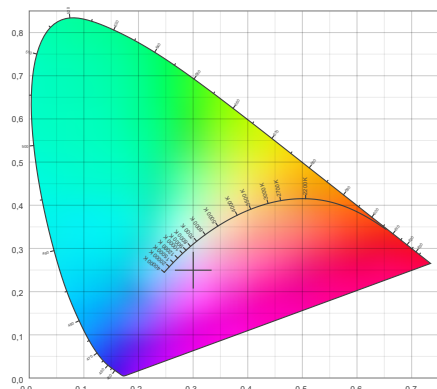
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LM-79

Test Report

LM79-TOPAZ-COLOURFLOW-RGBA-WIDE [ALL]

Color details



CIE 1931

x: 0,300

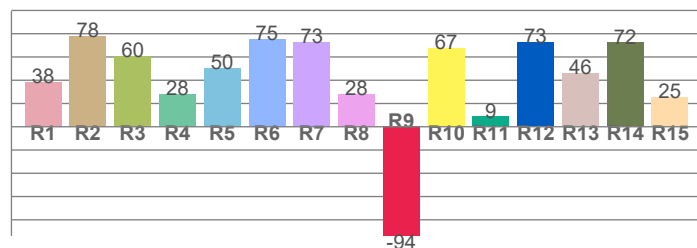


Spectra

CIE 1931 ZOOM

 $\Delta uv: -0,0358$

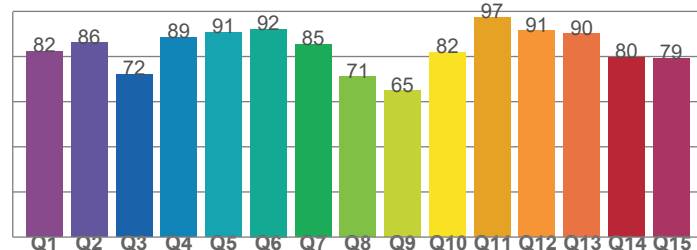
CRI: 53,9 (R1-R8)



CRI values, R1-R8 are used to calculate final CRI value

R1	R2	R3	R4	R5	R6	R7	R8
38,1	77,9	60,3	28,3	50,5	74,9	73,1	28,1
R9	R10	R11	R12	R13	R14	R15	
-93,9	67,4	8,6	72,5	46,3	72,2	25,2	

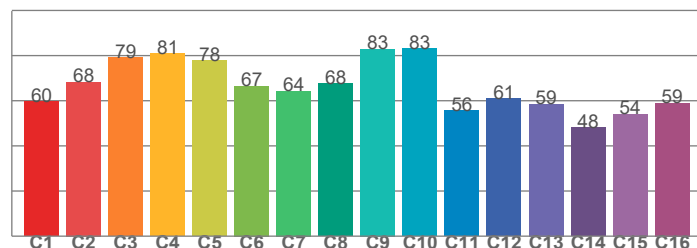
CQS: 81,3



CQS values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
82,1	86,1	72,0	88,5	90,6	92,2	85,4	71,0
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
64,8	81,9	97,2	91,4	90,0	79,5	79,1	

TM30: 68,9



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

C1	C2	C3	C4	C5	C6	C7	C8
59,6	68,3	79,1	81,0	77,8	66,5	64,4	67,7
C9	C10	C11	C12	C13	C14	C15	
82,9	83,0	55,7	60,9	58,6	48,0	54,1	

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
10066 K	53,9	-93,9	68,9	124,9	81,3	0,300	0,250	0,223	0,278	-0,0358



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LM-79

Test Report

LM79-TOPAZ-COLOURFLOW-RGBA-WIDE [ALL]

TM30 details

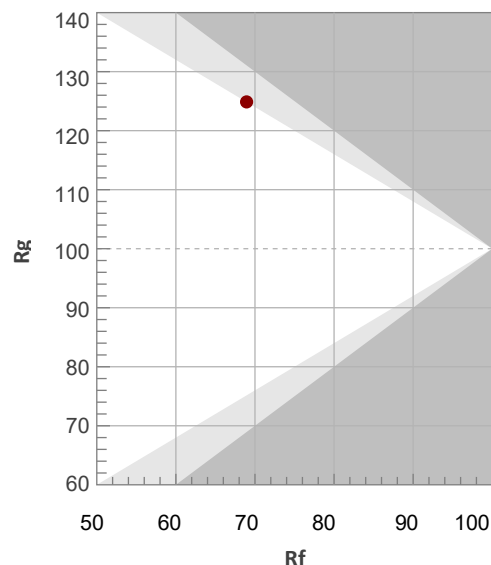
Rf 68,9

Fidelity index Rf

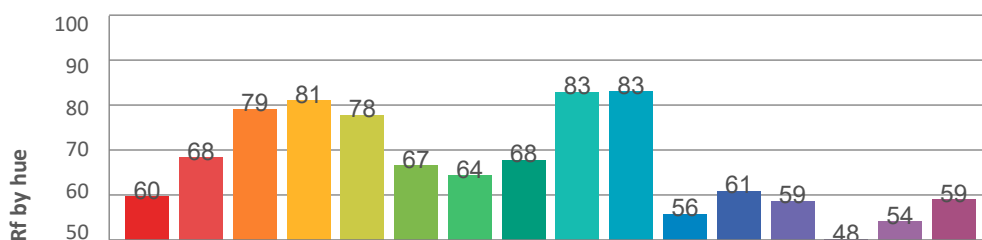
Rg 124,9

Gamut index Rg

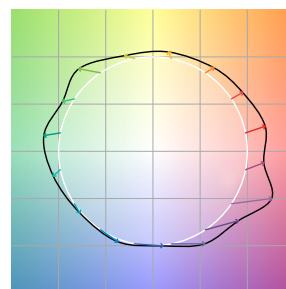
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	60	22%	3%
2	68	14%	-1%
3	79	9%	-4%
4	81	6%	4%
5	78	5%	9%
6	67	16%	17%
7	64	9%	9%
8	68	17%	6%
9	83	9%	5%
10	83	1%	11%
11	56	0%	22%
12	61	-4%	30%
13	59	7%	35%
14	48	11%	34%
15	54	32%	28%
16	59	18%	11%



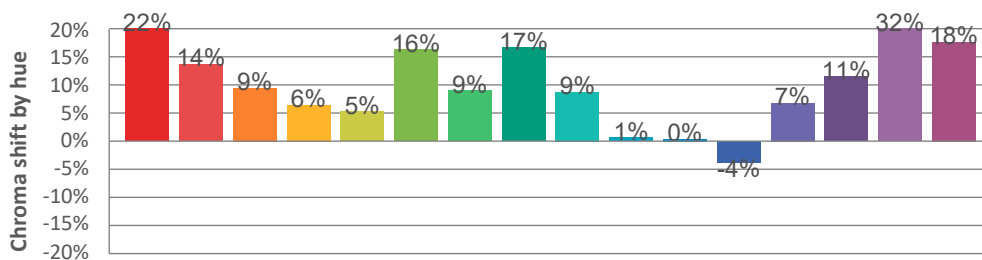
Hue binH



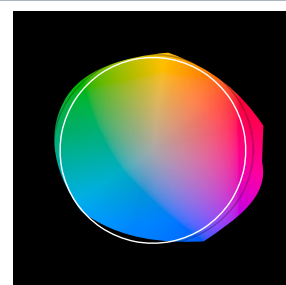
Color vector graphics



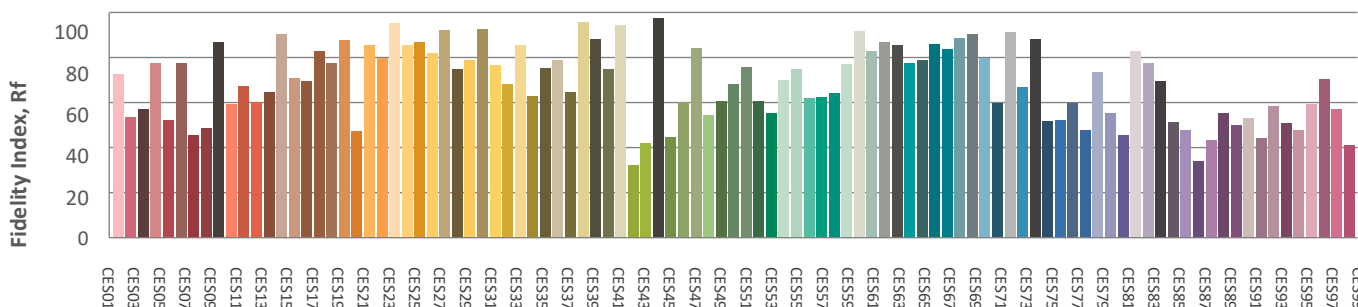
Hue bin



Color distortion graphics



Color Evaluation Sample



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Glare Evaluation According to UGR

p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	8,8	9,2	8,8	9,4	9,6	8,8	9,2	8,8	9,4	9,6
	3H	8,6	9,2	8,9	9,4	9,6	8,6	9,2	8,9	9,4	9,6
	4H	8,6	9,2	9,0	9,4	9,6	8,6	9,2	9,0	9,4	9,6
	6H	8,6	9,1	8,9	9,4	9,8	8,6	9,1	8,9	9,4	9,8
	8H	8,6	9,1	8,9	9,4	9,8	8,6	9,1	8,9	9,4	9,8
	12H	8,5	9,0	8,9	9,4	9,8	8,5	9,0	8,9	9,4	9,8
4H	2H	8,5	9,1	8,9	9,3	9,5	8,5	9,1	8,9	9,3	9,5
	3H	8,5	9,0	8,9	9,4	9,8	8,5	9,0	8,9	9,4	9,8
	4H	8,5	8,9	8,9	9,4	9,9	8,5	8,9	8,9	9,4	9,9
	6H	8,5	9,0	9,0	9,3	9,7	8,5	9,0	9,0	9,3	9,7
	8H	8,5	8,9	9,0	9,3	9,6	8,5	8,9	9,0	9,3	9,6
	12H	8,4	8,8	8,9	9,2	9,6	8,4	8,8	8,9	9,2	9,6
8H	4H	8,4	8,9	8,9	9,2	9,6	8,4	8,9	8,9	9,2	9,6
	6H	8,5	8,7	9,0	9,2	9,7	8,5	8,7	9,0	9,2	9,7
	8H	8,5	8,7	9,0	9,2	9,9	8,5	8,7	9,0	9,2	9,9
	12H	8,5	8,7	9,1	9,2	9,8	8,5	8,7	9,1	9,2	9,8
12H	4H	8,3	8,7	8,8	9,1	9,6	8,3	8,7	8,8	9,1	9,6
	6H	8,5	8,7	9,0	9,2	9,8	8,5	8,7	9,0	9,2	9,8
	8H	8,4	8,6	9,0	9,1	9,7	8,4	8,6	9,0	9,1	9,7
Variation of the observer position for the luminaire distance S											
S = 1.0H		4,5 / -4,1					4,5 / -4,1				
S = 1.5H		7,1 / -5,5					7,1 / -5,5				
S = 2.0H		9,0 / -6,0					9,0 / -6,0				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 684lm total luminous flux											