

LM-79

Test Report

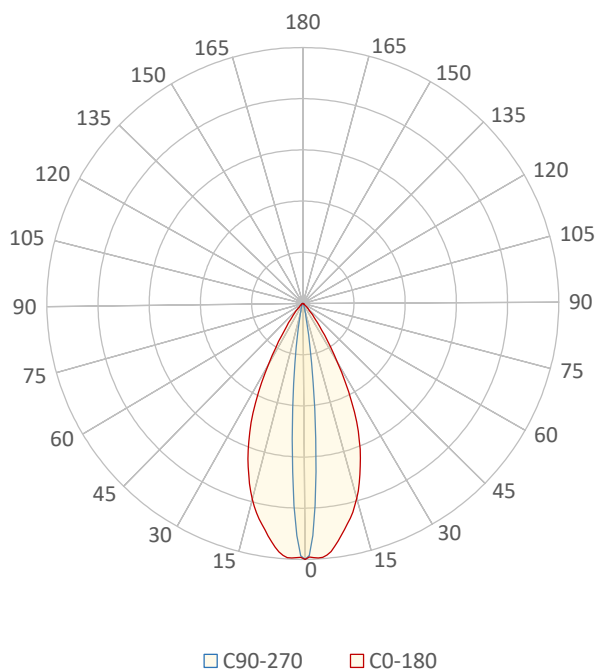
LM79-QUARTZ-RGBW-12x46DEG [ALL]

General Discription

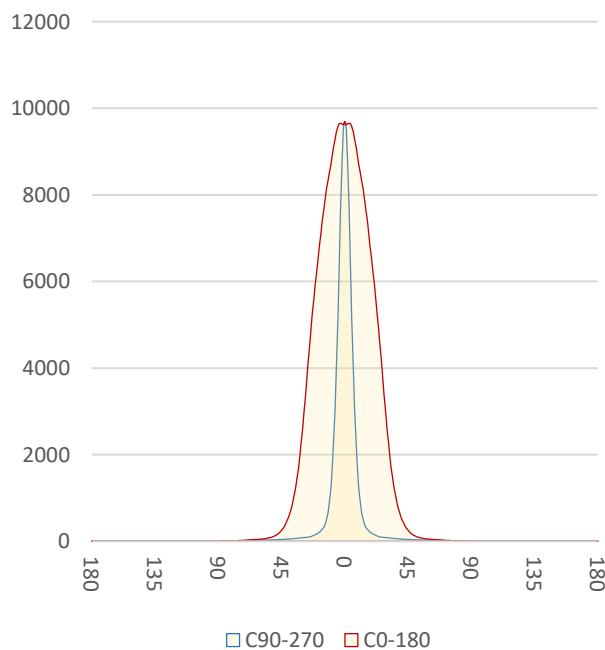
Item number	Q-XXX-C370-E
Date and time	16-4-2024 14:34:14
CCT (Kelvin)	0 K
Beam angle	10,4 x 48,5°
Luminous flux	3427 lm
Efficiency	45 lm/watt
Weighted energy	77,0 kWh/1000h
Power factor	0,59
CRI (RA)	0,0
Fidelity index Rf	Rf 0,0
Gammut index Rg	Rg 0,0
Peak	9818 cd



Polar diagram



Cartesian diagram



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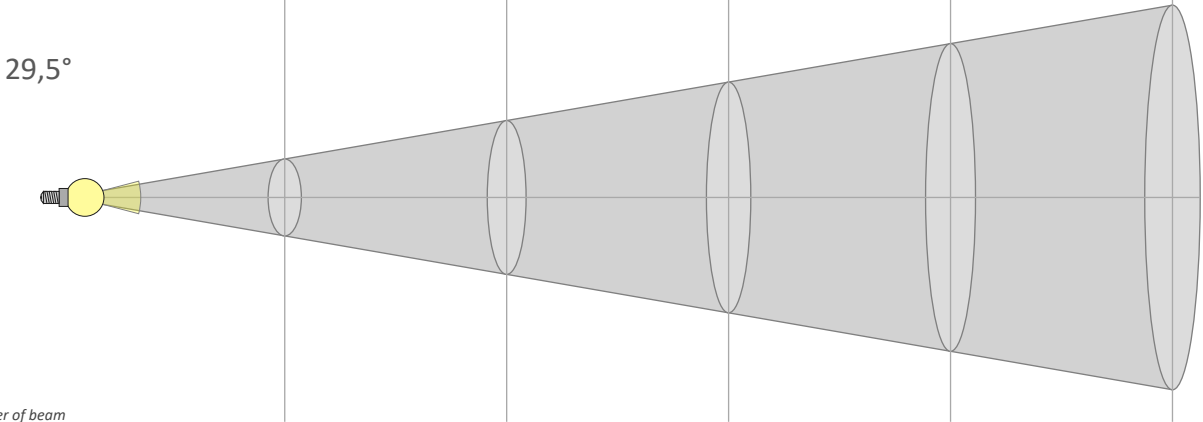
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Beam details	1m	2m	3m	4m	5m
Lux*	9696 lx	2424 lx	1077 lx	606 lx	388 lx



29,5°

*measured at center of beam

Footcandles*	900,8 fcd	225,2 fcd	100,1 fcd	56,3 fcd	36,0 fcd
Beam width (meter)	0,5 m	1,1 m	1,6 m	2,1 m	2,6 m
Beam width 90° (meter)	0,2 m	0,4 m	0,5 m	0,7 m	0,9 m
Beam width (Feet)	1,7 ft	3,4 ft	5,2 ft	6,9 ft	8,6 ft

Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
9696lx	2424lx	1077lx	606lx	388lx	269lx	198lx	152lx	120lx	97lx	80lx	67lx	57lx	49lx	43lx	38lx	34lx	30lx	27lx	24lx
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
900,8fcd	225,2fcd	100,1fcd	56,3fcd	36fcd	25fcd	18,4fcd	14,1fcd	11,1fcd	9fcd	7,4fcd	6,3fcd	5,3fcd	4,6fcd	4fcd	3,5fcd	3,1fcd	2,8fcd	2,5fcd	2,3fcd

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°
9696	9636	9643	9454	9097	8701	8330	7905	7405	6826	6246	5612	4924	4164	3375	2625	1975	1457	1064	774
100%	99%	99%	98%	94%	90%	86%	82%	76%	70%	64%	58%	51%	43%	35%	27%	20%	15%	11%	8%

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°
9696	8797	6395	4003	2270	1221	660	393	279	214	170	136	111	98	90	84	77	70	64	59
100%	91%	66%	41%	23%	13%	7%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%	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°
9696	9636	9643	9454	9097	8701	8330	7905	7405	6826	6246	5612	4924	4164	3375	2625	1975	1457	1064	774
100%	99%	99%	98%	94%	90%	86%	82%	76%	70%	64%	58%	51%	43%	35%	27%	20%	15%	11%	8%

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°
9696	8797	6395	4003	2270	1221	660	393	279	214	170	136	111	98	90	84	77	70	64	59
100%	91%	66%	41%	23%	13%	7%	4%	3%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
29,5°	47,3°	62,3°	98,6%	96,0%



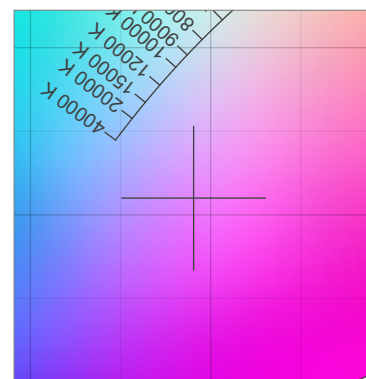
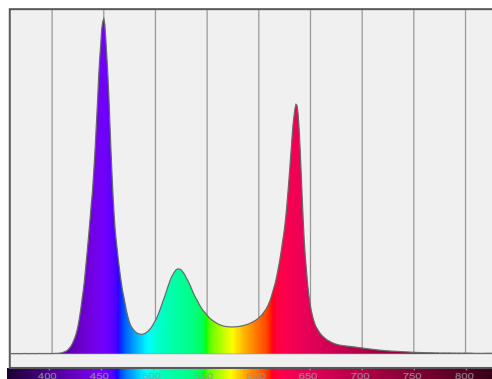
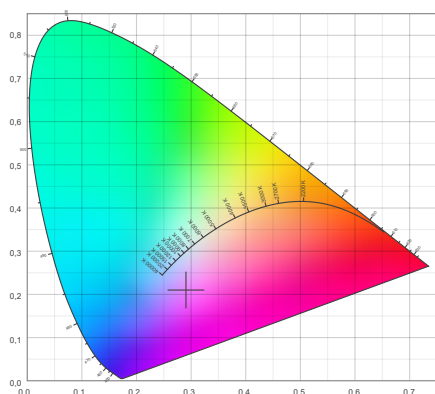
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Test Report

LM79-QUARTZ-RGBW-12x46DEG [ALL]

Color details



<i>CIE 1931</i>	x: 0,291		Spectra	<i>CIE 1931 ZOOM</i>
0 K	y: 0,210			Δuv : n/a

CRI: 0,0 (R1-R8)															CRI values, R1-R8 are used to calculate final CRI value							
															R1	R2	R3	R4	R5	R6	R7	R8
															0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
															R9	R10	R11	R12	R13	R14	R15	
															0,0	0,0	0,0	0,0	0,0	0,0	0,0	
															R1	R2	R3	R4	R5	R6	R7	R8

CQS: 0,0															CQS values							
															Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
															0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
															Q9	Q10	Q11	Q12	Q13	Q14	Q15	
															0,0	0,0	0,0	0,0	0,0	0,0	0,0	
															Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8

TM30: 0,0																TM30 values, 16 binned values out of total of 99 values							
																C1	C2	C3	C4	C5	C6	C7	C8
																0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
																C9	C10	C11	C12	C13	C14	C15	
																0,0	0,0	0,0	0,0	0,0	0,0	0,0	
																C1	C2	C3	C4	C5	C6	C7	C8

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 diviation from black body
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv



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0 K	0,0	0,0	0,0	0,0	0,0	0,291	0,210	0,235	0,255	n/a
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TM30 details

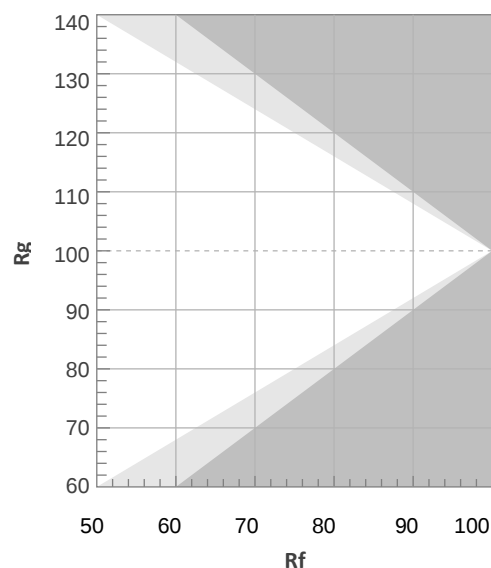
Rf 0,0

Fidelity index Rf

Rg 0,0

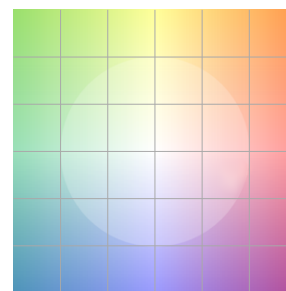
Gammut index Rg

Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	0	0%	0%
2	0	0%	0%
3	0	0%	0%
4	0	0%	0%
5	0	0%	0%
6	0	0%	0%
7	0	0%	0%
8	0	0%	0%
9	0	0%	0%
10	0	0%	0%
11	0	0%	0%
12	0	0%	0%
13	0	0%	0%
14	0	0%	0%
15	0	0%	0%
16	0	0%	0%



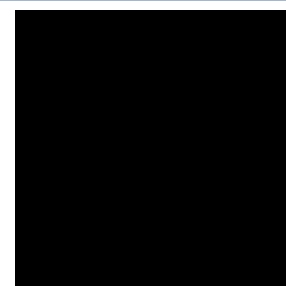
Hue binH

Color vector graphics



Hue bin

Color distortion graphics

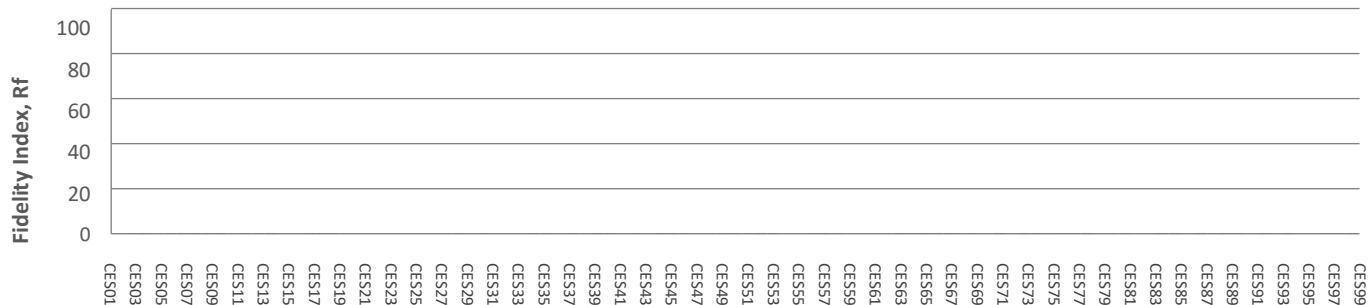


Color Evaluation Sample

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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				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Variation of the observer position for the luminaire distance S

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n/a	n/a	n/a
n/a	n/a	n/a
n/a	n/a	n/a
Standard table	n/a	n/a
Correction summand	n/a	n/a
Corrected glare indices referring to 3427lm total luminous flux		



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