

LM-79

Test Report

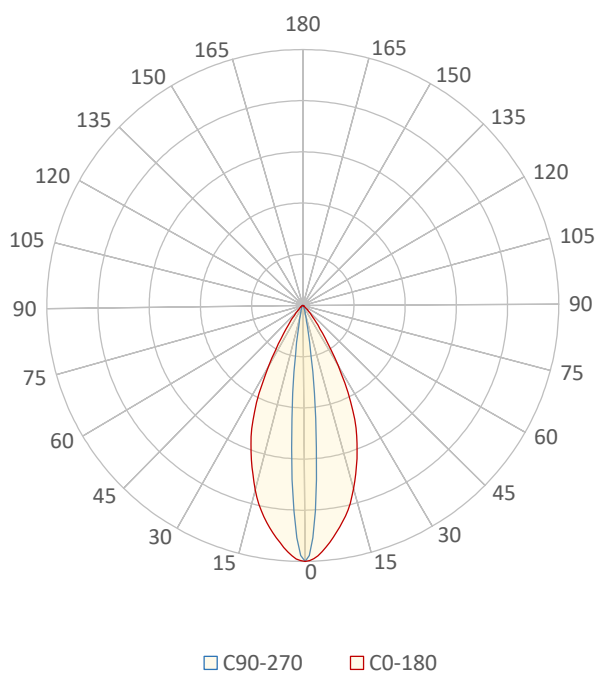
LM79-QUARTZ-RGBA-12x46DEG [ALL]

General Discription

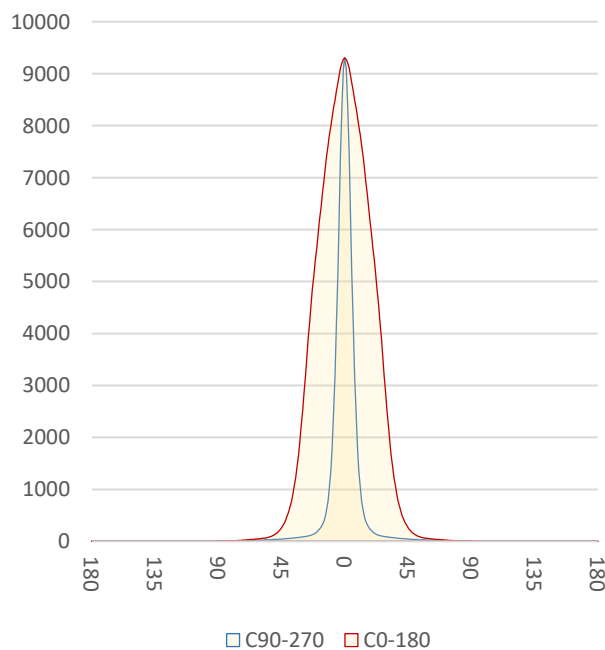
Item number	Q-XXX-CA70-E
Date and time	15-4-2024 16:19:56
CCT (Kelvin)	0 K
Beam angle	11 x 47,4°
Luminous flux	3230 lm
Efficiency	43 lm/watt
Weighted energy	74,4 kWh/1000h
Power factor	0,58
CRI (RA)	0,0
Fidelity index Rf	Rf 0,0
Gammut index Rg	Rg 0,0
Peak	9328 cd



Polar diagram



Cartesian diagram



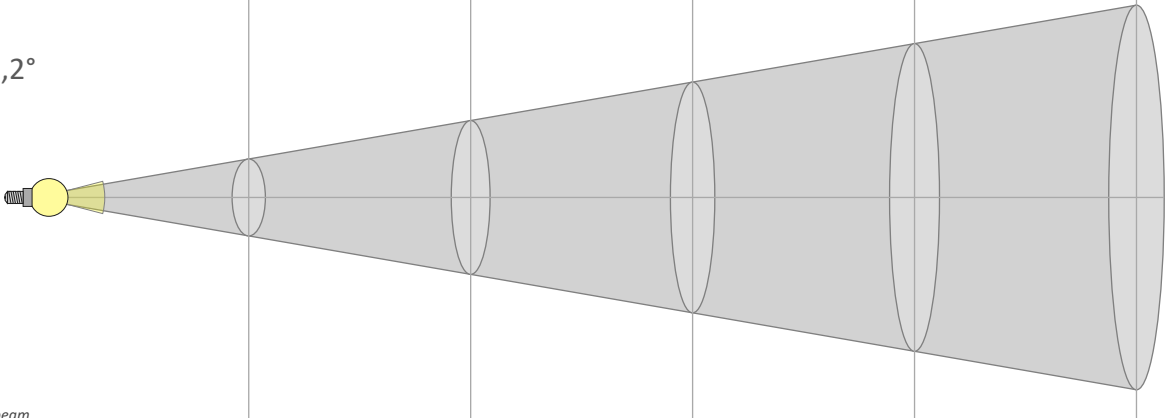
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Beam details		1m		2m		3m		4m		5m									
Lux*		9303 lx		2326 lx		1034 lx		581 lx		372 lx									
29,2° 																			
*measured at center of beam																			
Footcandles*		864,3 fcd		216,1 fcd		96,0 fcd		54,0 fcd		34,6 fcd									
Beam width (meter)		0,5 m		1 m		1,6 m		2,1 m		2,6 m									
Beam width 90° (meter)		0,2 m		0,4 m		0,6 m		0,8 m		1 m									
Beam width (Feet)		1,7 ft		3,4 ft		5,1 ft		6,8 ft		8,5 ft									
Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
9303lx	2326lx	1034lx	581lx	372lx	258lx	190lx	145lx	115lx	93lx	77lx	65lx	55lx	47lx	41lx	36lx	32lx	29lx	26lx	23lx
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
864,3fcd	216,1fcd	96fcd	54fcd	34,6fcd	24fcd	17,6fcd	13,5fcd	10,7fcd	8,6fcd	7,1fcd	6fcd	5,1fcd	4,4fcd	3,8fcd	3,4fcd	3fcd	2,7fcd	2,4fcd	2,2fcd
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°
9303	9215	8978	8662	8333	7994	7613	7162	6666	6170	5649	5131	4556	3907	3209	2526	1921	1429	1052	771
100%	99%	97%	93%	90%	86%	82%	77%	72%	66%	61%	55%	49%	42%	34%	27%	21%	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°
9303	8453	6345	4136	2435	1364	769	465	317	236	180	142	116	102	93	85	78	72	65	59
100%	91%	68%	44%	26%	15%	8%	5%	3%	3%	2%	2%	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°
9303	9215	8978	8662	8333	7994	7613	7162	6666	6170	5649	5131	4556	3907	3209	2526	1921	1429	1052	771
100%	99%	97%	93%	90%	86%	82%	77%	72%	66%	61%	55%	49%	42%	34%	27%	21%	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°
9303	8453	6345	4136	2435	1364	769	465	317	236	180	142	116	102	93	85	78	72	65	59
100%	91%	68%	44%	26%	15%	8%	5%	3%	3%	2%	2%	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			
29,2°				48,1°				63,9°				98,6%				95,7%			



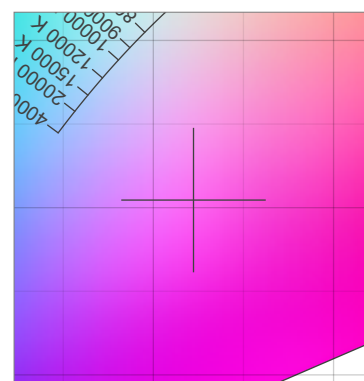
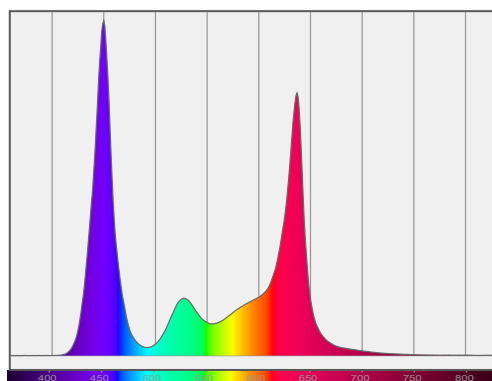
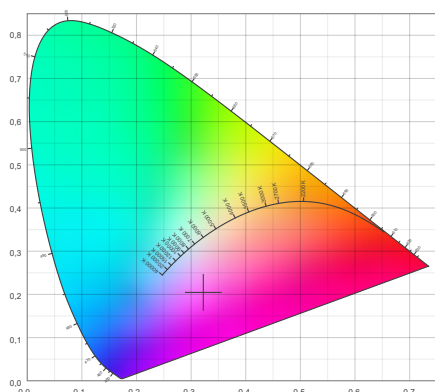
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Test Report

LM79-QUARTZ-RGBA-12x46DEG [ALL]

Color details



<i>CIE 1931</i>	x: 0,322		Spectra	<i>CIE 1931 ZOOM</i>
0 K	y: 0,205			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	C9	C10	C11	C12	C13	C14	C15	C16								

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	0,322	0,205	0,268	0,255	n/a
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TM30 details

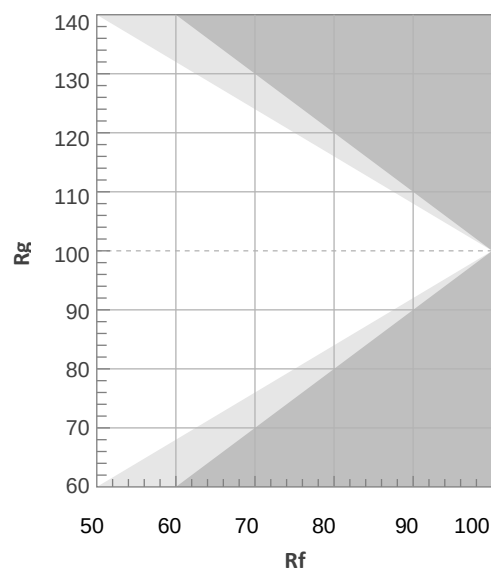
Rf 0,0

Fidelity index Rf

Rg 0,0

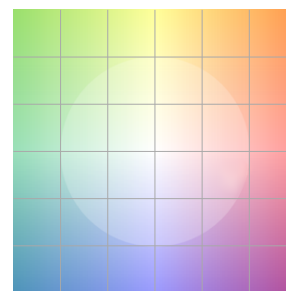
Gammut index Rg

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%



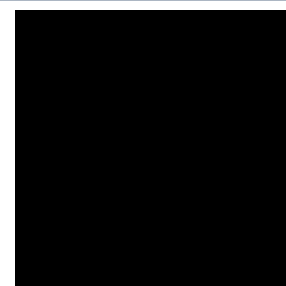
Hue binH

Color vector graphics



Hue bin

Color distortion graphics

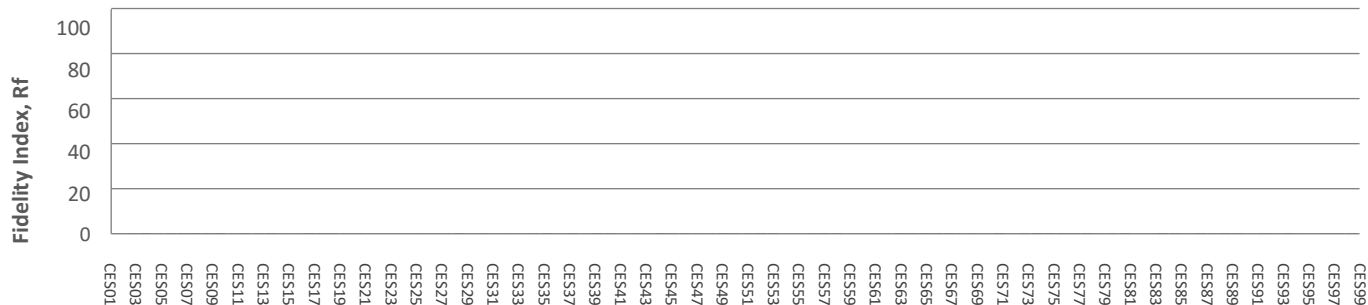


Color Evaluation Sample

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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 3230lm total luminous flux		



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