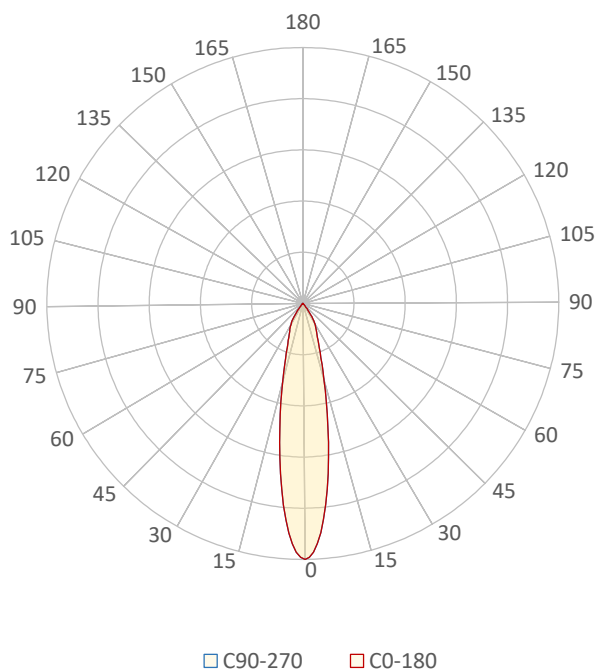


General Discription

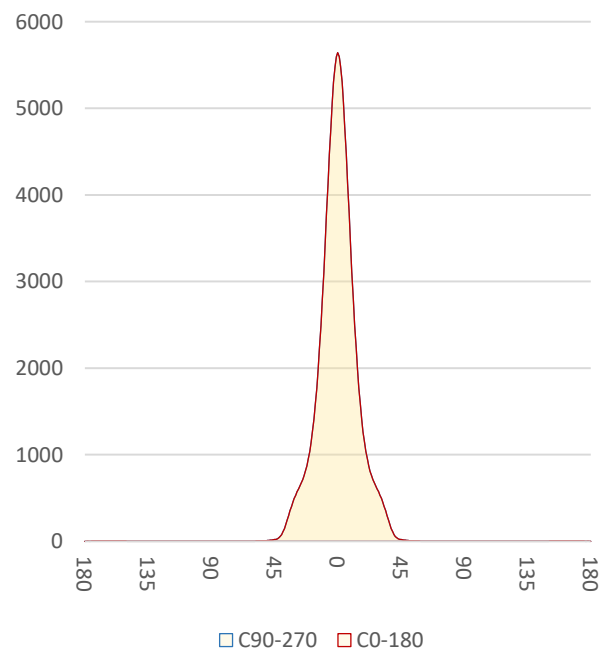
Item number	M-XXX-X-
Date and time	1-5-2020 12:32:57
CCT (Kelvin)	10706 K
Beam angle	21,8 x 21,8°
Luminous flux	1443 lm
Efficiency	53 lm/watt
Weighted energy	27,3 kWh/1000h
Power factor	0,57
CRI (RA)	35,1
Fidelity index Rf	Rf 0,0
Gammut index Rg	Rg n/a
Peak	5643 cd



Polar diagram



Cartesian diagram



LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-SPOT [all on]

Beam details	1m	2m	3m	4m	5m														
Lux*	5643 lx	1411 lx	627 lx	353 lx	226 lx														
*measured at center of beam																			
Footcandles*	524,2 fcd	131,1 fcd	58,2 fcd	32,8 fcd	21,0 fcd														
Beam width (meter)	0,4 m	0,8 m	1,2 m	1,5 m	1,9 m														
Beam width 90° (meter)	0,4 m	0,8 m	1,2 m	1,5 m	1,9 m														
Beam width (Feet)	1,3 ft	2,5 ft	3,8 ft	5,1 ft	6,3 ft														
Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
5643lx	1411lx	627lx	353lx	226lx	157lx	115lx	88lx	70lx	56lx	47lx	39lx	33lx	29lx	25lx	22lx	20lx	17lx	16lx	14lx
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
524,2fcd	131,1fcd	58,2fcd	32,8fcd	21fcd	14,6fcd	10,7fcd	8,2fcd	6,5fcd	5,2fcd	4,3fcd	3,6fcd	3,1fcd	2,7fcd	2,3fcd	2fcd	1,8fcd	1,6fcd	1,5fcd	1,3fcd
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°
5643	5487	5069	4469	3786	3106	2494	1982	1575	1264	1037	872	757	673	605	533	450	354	245	148
100%	97%	90%	79%	67%	55%	44%	35%	28%	22%	18%	15%	13%	12%	11%	9%	8%	6%	4%	3%
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°
5643	5487	5069	4469	3786	3106	2494	1982	1575	1264	1037	872	757	673	605	533	450	354	245	148
100%	97%	90%	79%	67%	55%	44%	35%	28%	22%	18%	15%	13%	12%	11%	9%	8%	6%	4%	3%
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°
5643	5487	5069	4469	3786	3106	2494	1982	1575	1264	1037	872	757	673	605	533	450	354	245	148
100%	97%	90%	79%	67%	55%	44%	35%	28%	22%	18%	15%	13%	12%	11%	9%	8%	6%	4%	3%
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°
5643	5487	5069	4469	3786	3106	2494	1982	1575	1264	1037	872	757	673	605	533	450	354	245	148
100%	97%	90%	79%	67%	55%	44%	35%	28%	22%	18%	15%	13%	12%	11%	9%	8%	6%	4%	3%
Beam angle 50%		Field angle 10%				Cutoff angle 2,5%				Intensity ratio in 120° cone				Intensity ratio in 90° cone					
21,8°		58,4°				76,3°				99,7%				99,1%					



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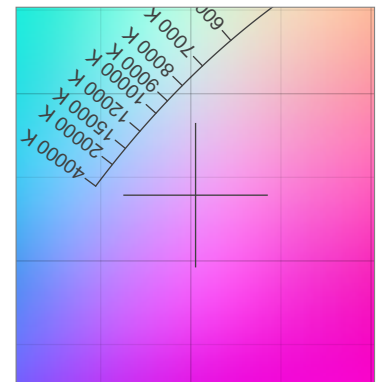
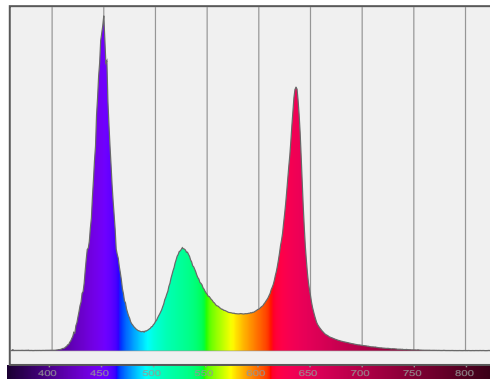
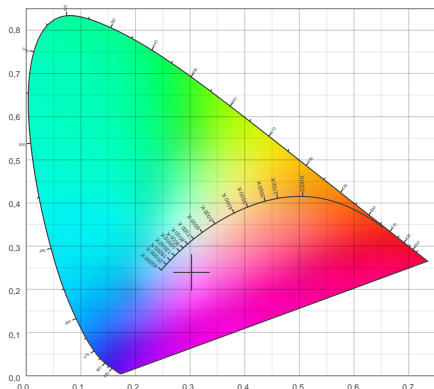
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LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-SPOT [all on]

Color details



CIE 1931

x: 0,303



Spectra

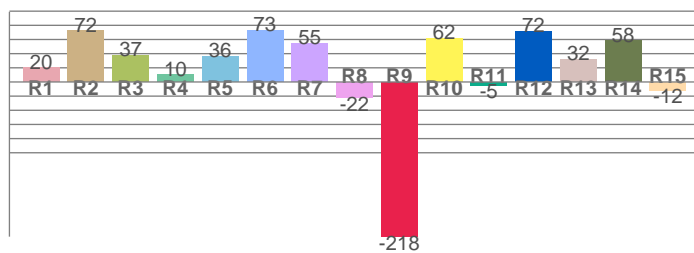
CIE 1931 ZOOM

10706 K

y: 0,239

Δuv : -0,0476

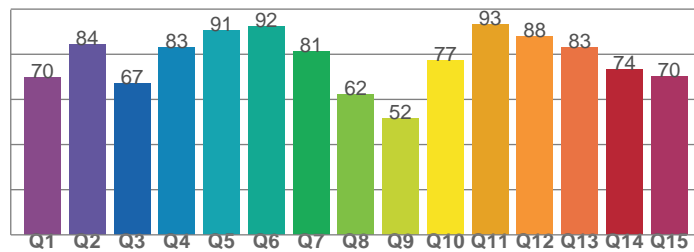
CRI: 35,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8
19,8	72,2	37,4	10,0	35,7	72,8	54,9	-22,2
R9	R10	R11	R12	R13	R14	R15	
-218,5	61,8	-4,6	71,8	32,1	58,0	-11,5	

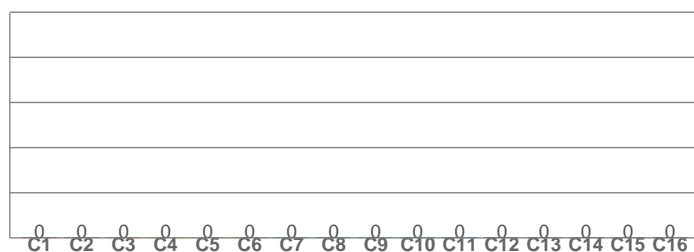
CQS: 75,0



CQS values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
69,9	84,3	67,2	83,1	90,6	92,4	81,5	62,4
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
51,6	77,2	93,2	87,7	82,9	73,5	70,4	

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	

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



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LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-SPOT [all on]

10706 K 35,1 -218,5 0,0 n/a 75,0 0,303 0,239 0,230 0,273 -0,0476

TM30 details

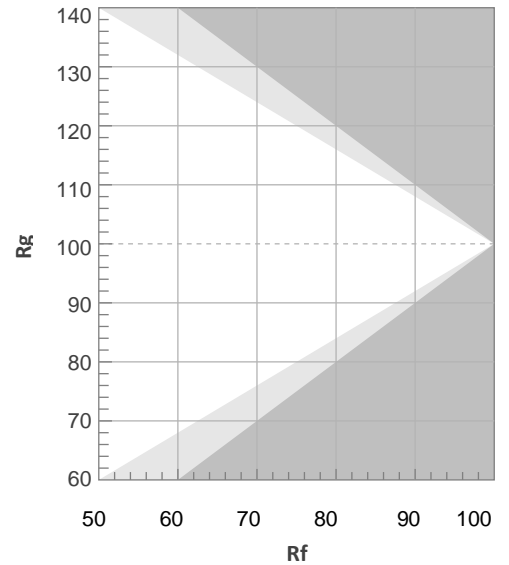
Rf 0,0

Fidelity index Rf

Rg n/a

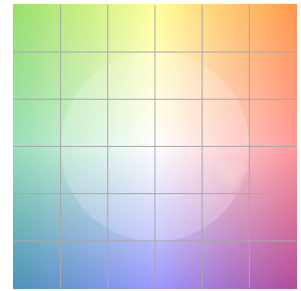
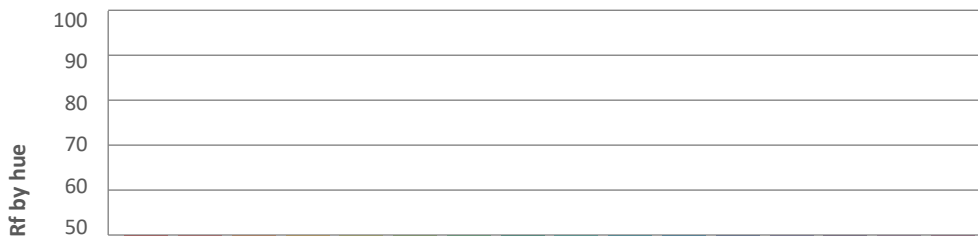
Gammut index Rg

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%



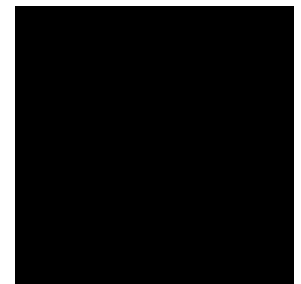
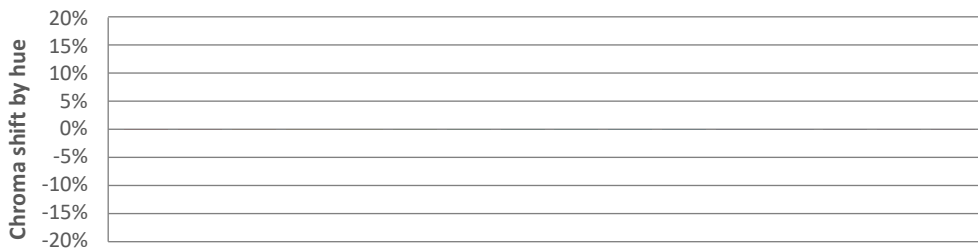
Hue binH

Color vector graphics



Hue bin

Color distortion graphics

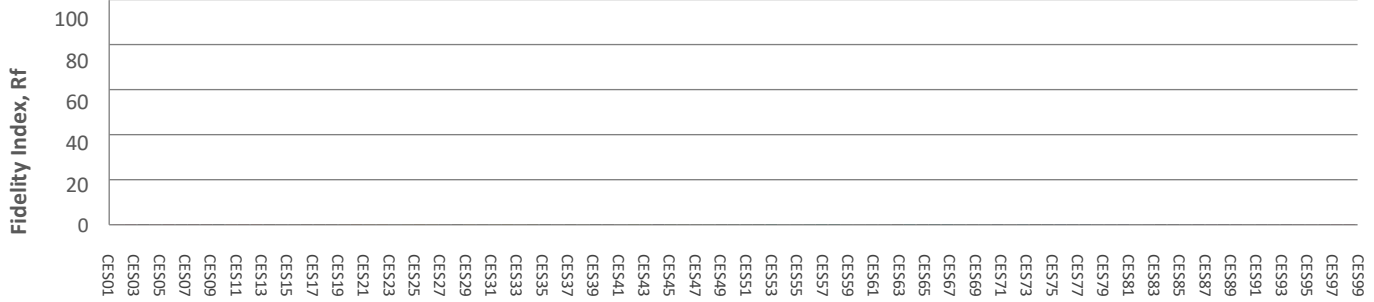


Color Evaluation Sample



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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

Variation of the observer position for the luminaire distance S



LM-79

Test Report

LM79-MIKA-COLOURFLOW-RGBW-SPOT [all on]

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 1443lm total luminous flux		



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