

LM-79

Test Report

LM79-RUBY-BRACKET-7-3000K-CRI80-SPOT

General Discription

Item number	RU-37-X-X-02-1-X	
Date and time	21-11-2016 09:02:26	
CCT (Kelvin)	3096 K	
Beam angle	16,7°	
Luminous flux	3762 lm	
Efficiency	91 lm/watt	
Weighted energy	41,6 kWh/1000h	
Power factor	0,95	
CRI (RA)	81,2	
Fidelity index Rf	Rf 82,6	
Gammut index Rg	Rg 95,7	
Peak	17581 cd	



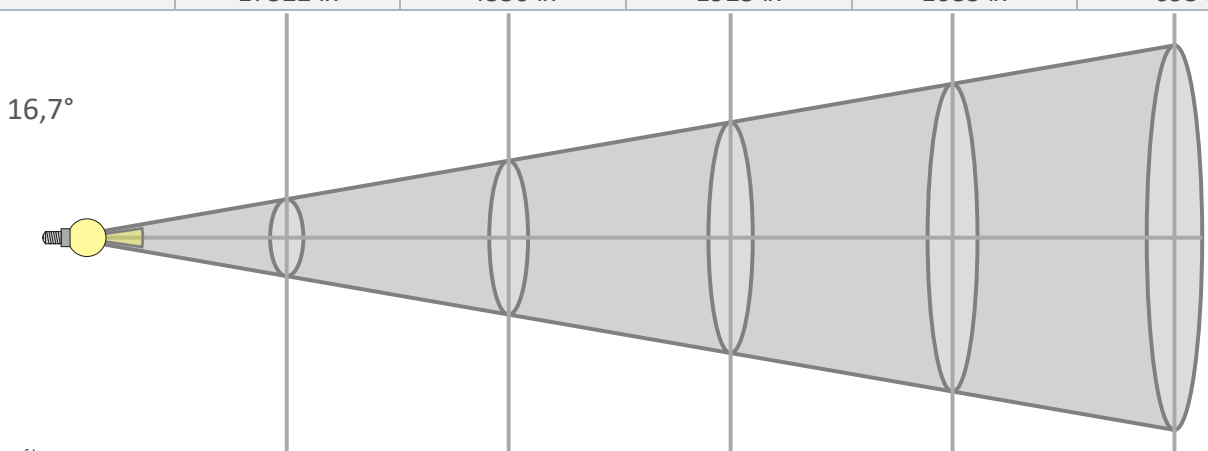
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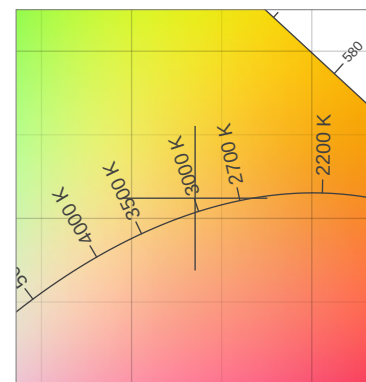
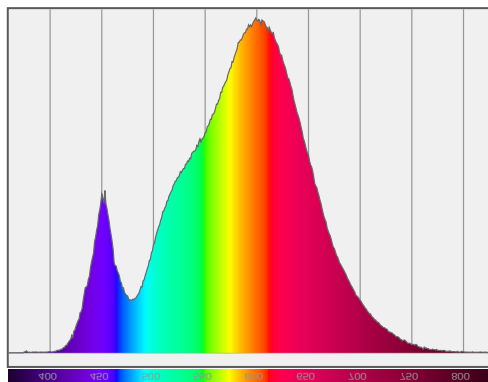
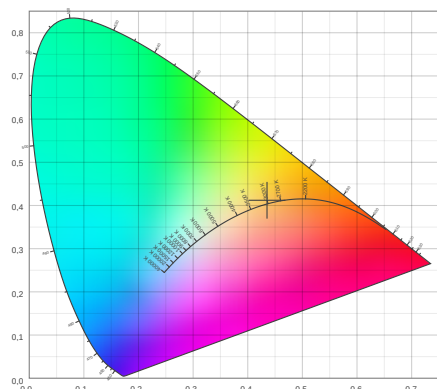
Beam details	1m	2m	3m	4m	5m														
Lux*	17322 lx	4330 lx	1925 lx	1083 lx	693 lx														
																			
*measured at center of beam																			
Footcandles*	1609,2 fcd	402,3 fcd	178,8 fcd	100,6 fcd	64,4 fcd														
Beam width (meter)	0,3 m	0,6 m	0,9 m	1,2 m	1,5 m														
Beam width (Feet)	1 ft	1,9 ft	2,9 ft	3,9 ft	4,8 ft														
Beam intensities																			
1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
17322lx	4330lx	1925lx	1083lx	693lx	481lx	354lx	271lx	214lx	173lx	143lx	120lx	102lx	88lx	77lx	68lx	60lx	53lx	48lx	43lx
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
1609,2fcd	402,3fcd	178,8fcd	100,6fcd	64,4fcd	44,7fcd	32,8fcd	25,1fcd	19,9fcd	16,1fcd	13,3fcd	11,2fcd	9,5fcd	8,2fcd	7,2fcd	6,3fcd	5,6fcd	5fcd</		

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Color details



CIE 1931

x: 0,435



Spectra

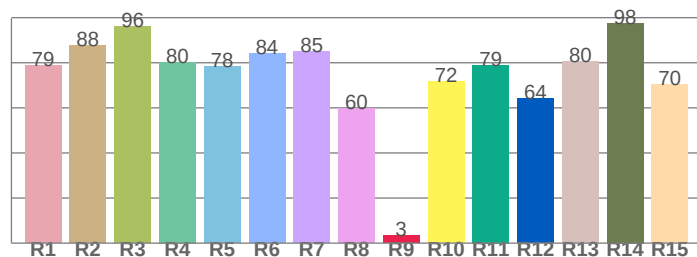
CIE 1931 ZOOM

3096 K

y: 0,412

Δuv : 0,0034

CRI: 81,2 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8
78,7	87,5	96,1	80,3	78,2	84,2	84,9	59,6
R9	R10	R11	R12	R13	R14	R15	
3,5							

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TM30 details

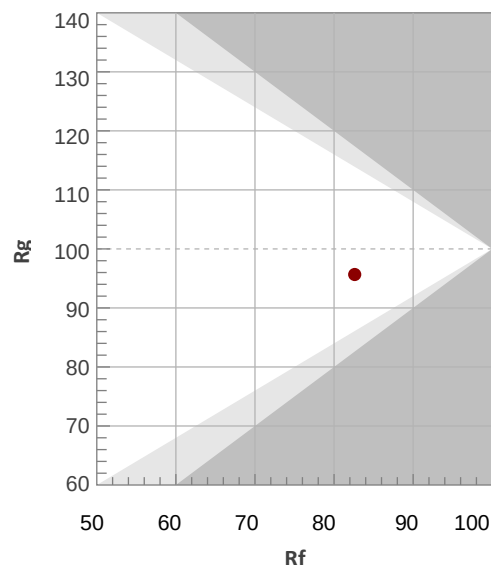
Rf 82,6

Fidelity index Rf

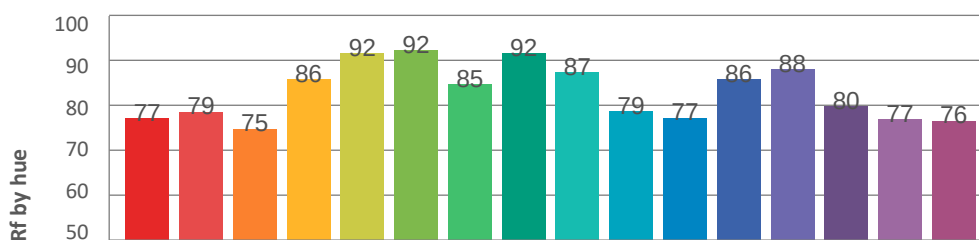
Rg 95,7

Gamut index Rg

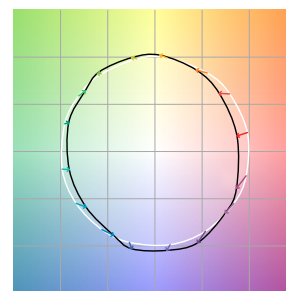
Hue Bin	R _f	Graphic shifts (%)	
		Chroma	Hue
1	77	-12%	-1%
2	79	-9%	7%
3	75	-4%	11%
4	86	1%	8%
5	92	2%	5%
6	92	3%	-2%
7	85	-3%	-8%
8	92	-4%	-2%
9	87	-7%	2%
10	79	-7%	9%
11	77	-2%	14%
12	86	6%	4%
13	88	5%	-5%
14	80	6%	-14%
15	77	-2%	-13%
16	76	-7%	-15%



Hue binH



Color vector graphics



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	20,9	21,6	21,1	21,8	22,0	20,9	21,6	21,1	21,8	22,0
	3H	20,7	21,4	21,0	21,6	21,8	20,7	21,4	21,0	21,6	21,8
	4H	20,7	21,2	21,0	21,5	21,8	20,7	21,2	21,0	21,5	21,8
	6H	20,6	21,1	20,9	21,4	21,7	20,6	21,1	20,9	21,4	21,7
	8H	20,5	21,1	20,9	21,4	21,7	20,5	21,1	20,9	21,4	21,7
	12H	20,5	21,0	20,9	21,3	21,6	20,5	21,0	20,9	21,3	21,6
4H	2H	20,7	21,2	21,0	21,5	21,8	20,7	21,2	21,0	21,5	21,8
	3										