

LM-79

Test Report

LM79-RUBY-BRACKET-5-3000K-CRI80-SPOT

General Discription

Item number	RU-35-X-X-02-1-X	
Date and time	10-3-2017 15:41:52	
CCT (Kelvin)	3046 K	
Beam angle	17°	
Luminous flux	1949 lm	
Efficiency	96 lm/watt	
Weighted energy	20,4 kWh/1000h	
Power factor	0,89	
CRI (RA)	82,1	
Fidelity index Rf	Rf 83,2	
Gammut index Rg	Rg 95,7	
Peak	9198 cd	



CLS LED BV
info@cls-led.com
www.cls-led.com

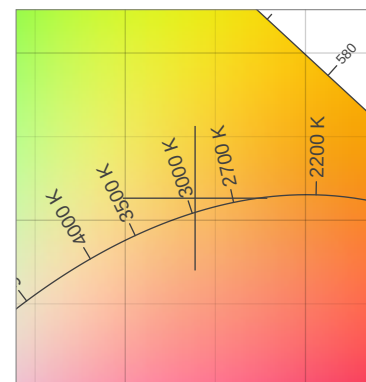
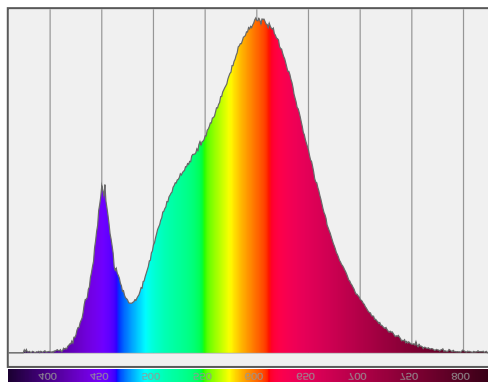
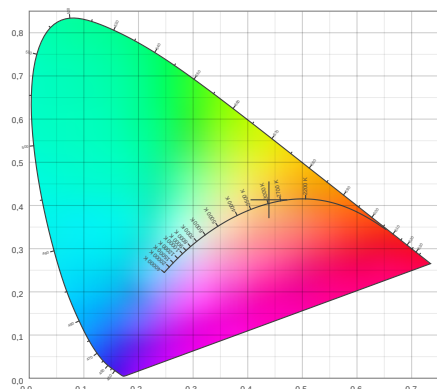
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Color details



CIE 1931

x: 0,439



Spectra

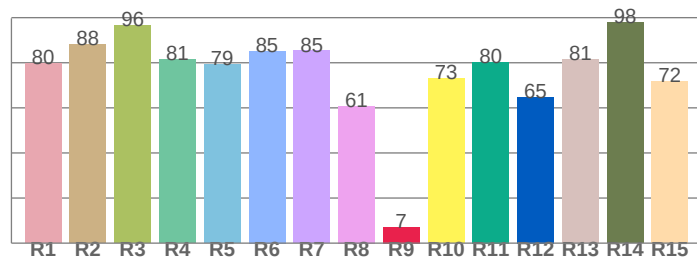
CIE 1931 ZOOM

3046 K

y: 0,413

Δuv : 0,0033

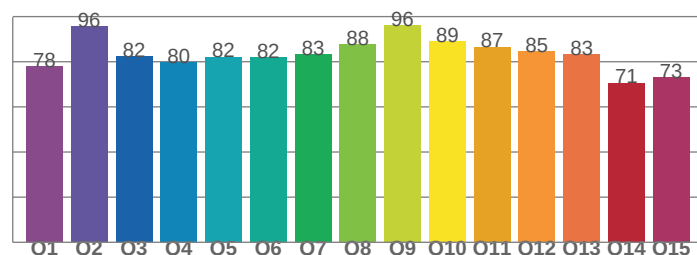
CRI: 82,1 (R1-R8)



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

R1	R2	R3	R4	R5	R6	R7	R8
79,8	88,2	96,4	81,3	79,3	85,2	85,3	60,9
R9	R10	R11	R12	R13	R14	R15	
7,1	73,1	80,4	64,8	81,4	97,8	71,6	

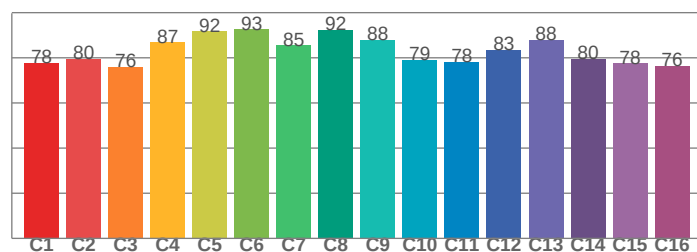
CQS: 82,2



CQS values

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
77,9	95,6	82,4	79,9	82,2	82,1	83,2	87,6
Q9	Q10	Q11	Q12	Q13	Q14	Q15	
96,2	89,3	86,7	84,7	83,3	70,7	73,3	

TM30: 83,2



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

C1	C2	C3	C4	C5	C6	C7	C8
77,8	79,5	75,9	86,9	91,7	92,6	85,4	92,2
C9	C10	C11	C12	C13	C14	C15	
87,8	79,1	78,2	8				

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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	17,5	18,2	17,8	18,4	18,6	17,5	18,2	17,8	18,4	18,6
	3H	17,4	18,0	17,7	18,2	18,5	17,4	18,0	17,7	18,2	18,5
	4H	17,3	17,9	17,6	18,1	18,4	17,3	17,9	17,6	18,1	18,4
	6H	17,3	17,8	17,6	18,1	18,3	17,3	17,8	17,6	18,1	18,3
	8H	17,2	17,7	17,6	18,0	18,3	17,2	17,7	17,6	18,0	18,3
	12H	17,2	17,6	17,5	18,0	18,3	17,2	17,6	17,5	18,0	18,3
4H	2H	17,3	17,9	17,6	18,1	18,4	17,3	17,9	17,6	18,1	18,4
	3H	17,2	17,6	17,5	18,0	18,3	17,2	17,6	17,5	18,0	18,3
	4H	17,1	17,5	17,5	17,8	18,2	17,1	17,5	17,5	17,8	18,2
	6H	17,0	17,4	17,4	17,7	18,1	17,0	17,4	17,4	17,7	18,1
	8H	17,0	17,3	17,4	17,7	18,1	17,0	17,3	17,4	17,7	18,1
	12H	17,0	17,2	17,4	17,6	18,0	17,0	17,2	17,4	17,6	18,0
8H	4H	17,0	17,3	17,4	17,7	18,1	17,0	17,3	17,4	17,7	18,1
	6H	16,9	17,1	17,4	17,6	18,0	16,9	17,1	17,4	17,6	18,0
	8H	16,9	17,0	17,3	17,5	18,0	16,9	17,0	17,3	17,5	18,0
	12H	16,8	17,0	17,3	17,4	17,9	16,8	17,0	17,3	17,4	17,9
12H	4H	17,0	17,2	17,4	17,6	18,0	17,0	17,2	17,4	17,6	18,0
	6H	16,9	17,0	17,3	17,5	18,0	16,9	17,0	17,3	17,5	18,0
	8H	16,8	17,0	17,3	17,4	17,9	16,8	17,0	17,3	17,4	17,9
Variation of the observer position for the luminaire distance S											
S = 1,0H		+									