

LED Test Report

Product Mark

Product Type : OR400-F52-400OR1-W5-S1

Manufacturer : -

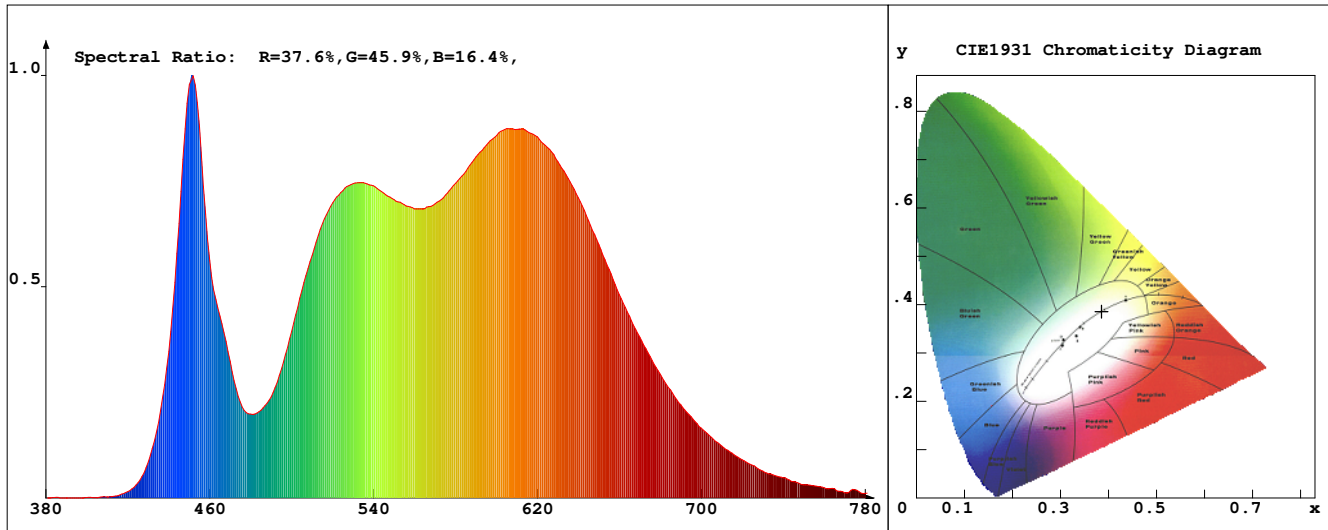
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



Chroma Parameters

Chro.Coord.: $x=0.3859$ $y=0.3856$ $u=0.2251$ $v=0.3375$ $duv=0.0025$

CCT: 3922K Dominant Wave.: 578.1nm Purity: 31.6% Centre Wave: 451.1nm

Flux RGB Ratio: $R=19.2\%$, $G=78.7\%$, $B=2.1\%$ Peak Wave: 450.6nm Half Width: 18.5nm

Rendering Index: $R_a=90.5$ CRI= 86.5

 $R_1=92$ $R_2=92$ $R_3=91$ $R_4=93$ $R_5=91$ $R_6=90$ $R_7=93$ $R_8=82$ $R_9=50$ $R_{10}=80$ $R_{11}=93$ $R_{12}=66$ $R_{13}=92$ $R_{14}=94$ $R_{15}=87$ PPF: 12.910 $\mu\text{mol/s}$ (400–700nm)

PRF: 2.7mW (400–700nm)

PAR: 2.4mW (400–700nm)

Photo Parameters

Flux: 926.58lm Effi.: 92.7lm/W Radiant: 2810.6mW Iv: 0.0mcd

Scotopic Flux: 1571.2Plm Effi.: 0.0Plm/W S/P: 1.7

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 13399.000 $\mu\text{mol/s}$ (380–780nm)

Ele. Parameters

Forward Current: $I_f=816.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$ Forward Voltage: $V_f=12.25\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$ Power: $P=10.001\text{W}$

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 181.145ms

VPeak: 15176

VDark: 1366

Scan Range: 380–780nm

Product ID: 201508924

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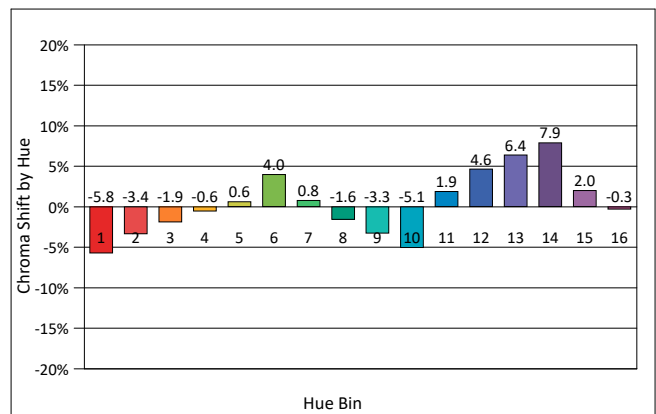
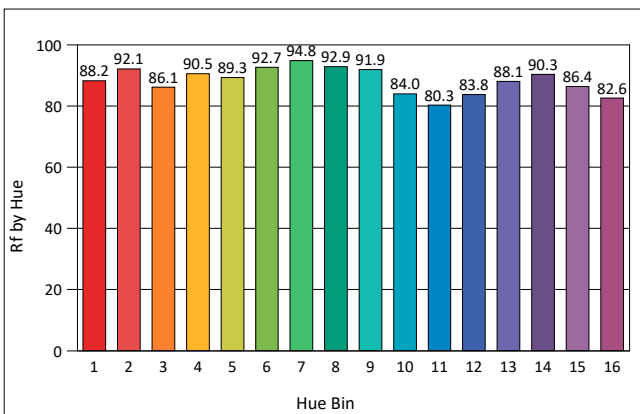
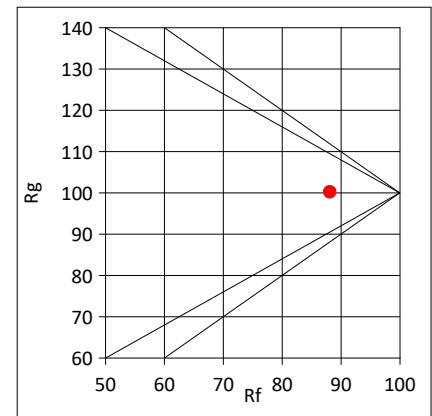
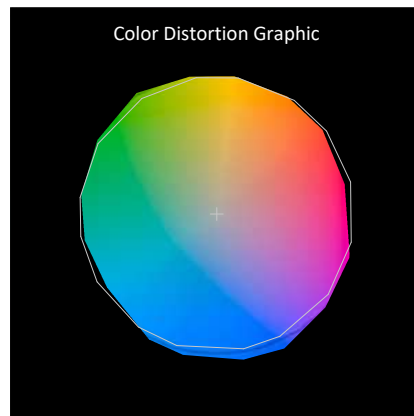
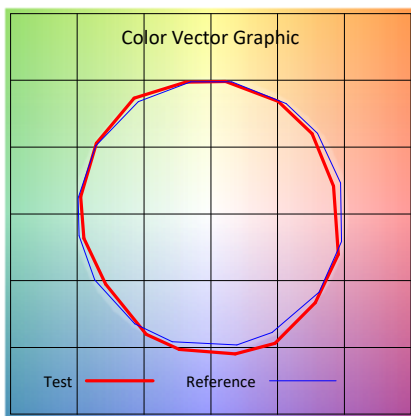
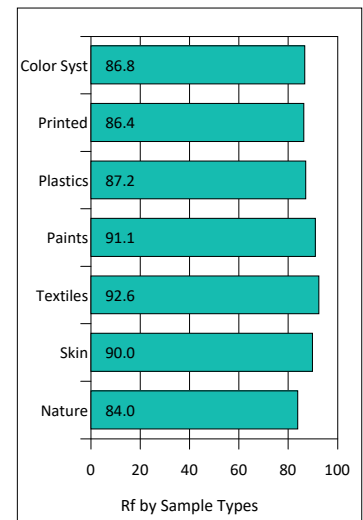
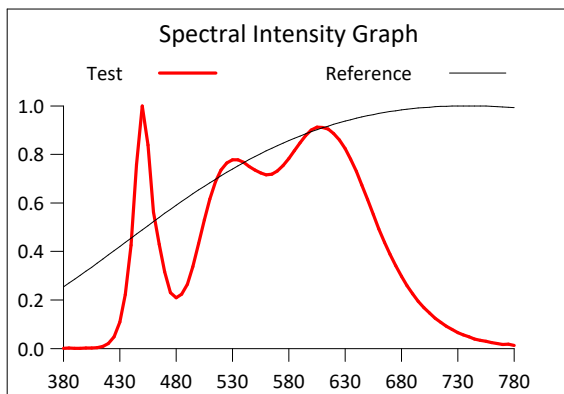
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Rf: 88.1 CCT(K): 3922 u': 0.2251
 Rg: 100.2 LER: 317.6 Duv: 0.0025 v': 0.3375

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	88.2	-5.8%	-1.4%
2	92.1	-3.4%	2.0%
3	86.1	-1.9%	6.1%
4	90.5	-0.6%	4.4%
5	89.3	0.6%	3.9%
6	92.7	4.0%	0.9%
7	94.8	0.8%	-1.8%
8	92.9	-1.6%	-1.2%
9	91.9	-3.3%	2.6%
10	84.0	-5.1%	7.2%
11	80.3	1.9%	11.7%
12	83.8	4.6%	6.4%
13	88.1	6.4%	-2.6%
14	90.3	7.9%	-2.6%
15	86.4	2.0%	-8.3%
16	82.6	-0.3%	-9.9%



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