

LED Test Report

Product Mark

Product Type : OR400-F52-4800R2-S1

Manufacturer : -

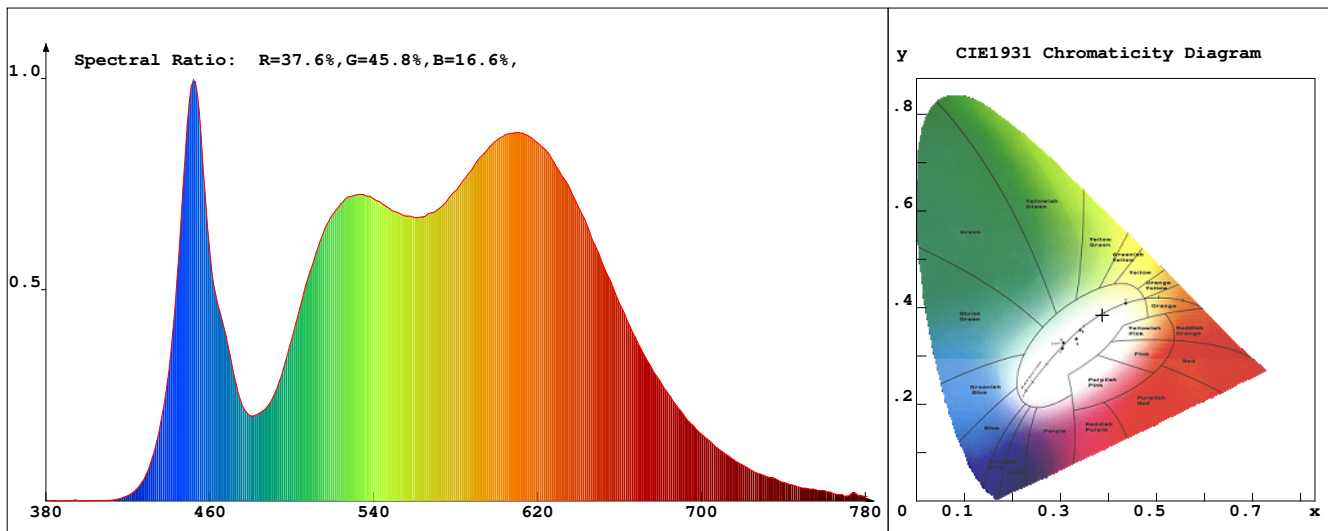
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



Chroma Parameters

Chro.Coord.: $x=0.3868$ $y=0.3846$ $u=0.2262$ $v=0.3373$ $duv=0.0018$

CCT: 3890K Dominant Wave.: 578.6nm Purity: 31.5% Centre Wave: 451.9nm

Flux RGB Ratio: $R=19.4\%$, $G=78.5\%$, $B=2.2\%$ Peak Wave: 450.6nm Half Width: 18.9nm

Rendering Index: $R_a=90.7$ CRI= 86.8

 $R_1=92$ $R_2=93$ $R_3=92$ $R_4=94$ $R_5=91$ $R_6=90$ $R_7=93$ $R_8=81$ $R_9=49$ $R_{10}=81$ $R_{11}=93$ $R_{12}=66$ $R_{13}=93$ $R_{14}=95$ $R_{15}=87$ PPF: 15.688 $\mu\text{mol/s}$ (400-700nm)

PRF: 3.3mW (400-700nm)

PAR: 2.9mW (400-700nm)

Photo Parameters

Flux: 1130.44lm Effi.: 113.6lm/W Radiant: 3412.4mW Iv: 0.0mcd

Scotopic Flux: 1916.4Plm Effi.: 0.0Plm/W S/P: 1.7

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 16263.900 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: $I_f=415.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$ Forward Voltage: $V_f=23.99\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$ Power: $P=9.970\text{W}$

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 134.548ms

VPeak: 14136

VDark: 1430

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

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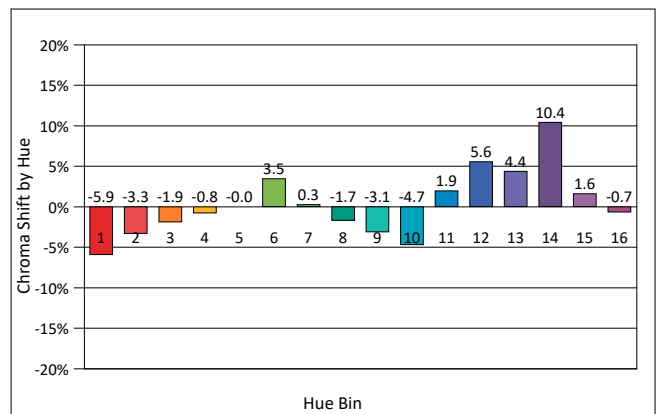
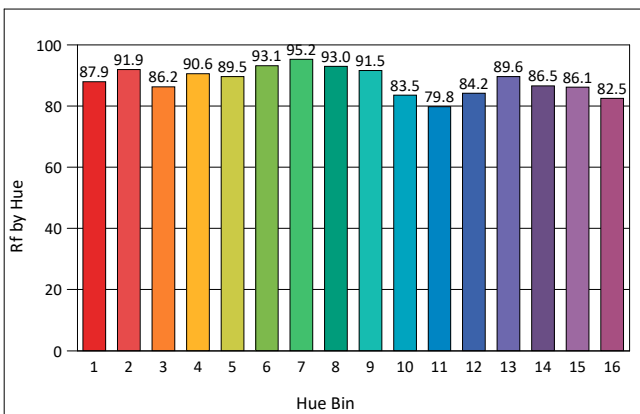
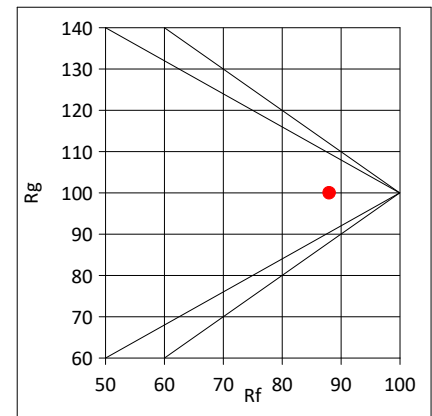
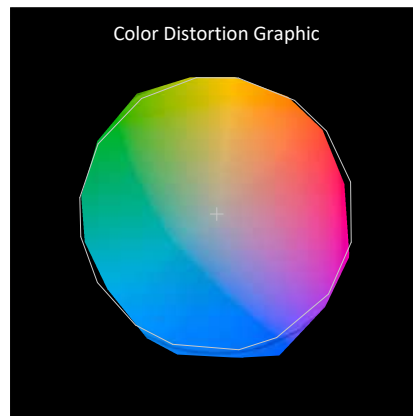
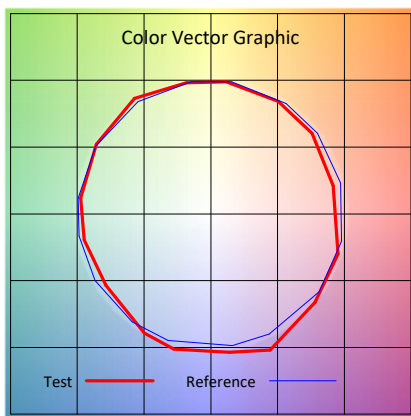
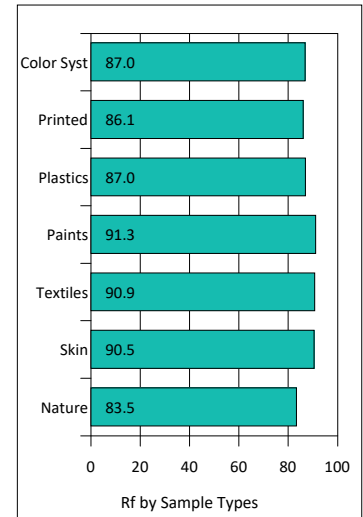
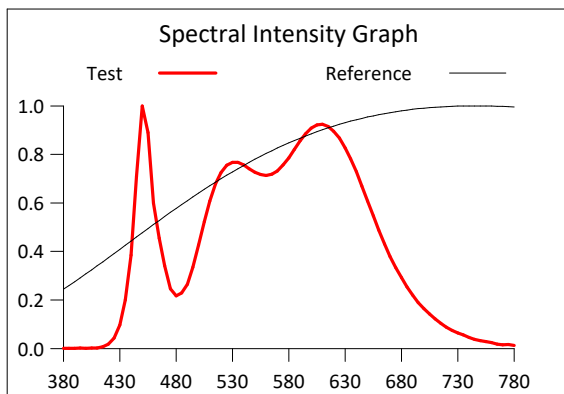
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Rf: 88.0 CCT(K): 3890 u': 0.2262
 Rg: 100.0 LER: 317.9 Duv: 0.0018 v': 0.3373

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	87.9	-5.9%	-1.1%
2	91.9	-3.3%	2.2%
3	86.2	-1.9%	6.0%
4	90.6	-0.8%	4.0%
5	89.5	-0.0%	3.6%
6	93.1	3.5%	0.9%
7	95.2	0.3%	-1.4%
8	93.0	-1.7%	-0.6%
9	91.5	-3.1%	3.5%
10	83.5	-4.7%	7.8%
11	79.8	1.9%	12.3%
12	84.2	5.6%	5.3%
13	89.6	4.4%	-3.0%
14	86.5	10.4%	-6.0%
15	86.1	1.6%	-8.4%
16	82.5	-0.7%	-9.8%



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