

LED Test Report

Product Mark

Product Type : OR400-F52-4800R2-W10

Manufacturer : -

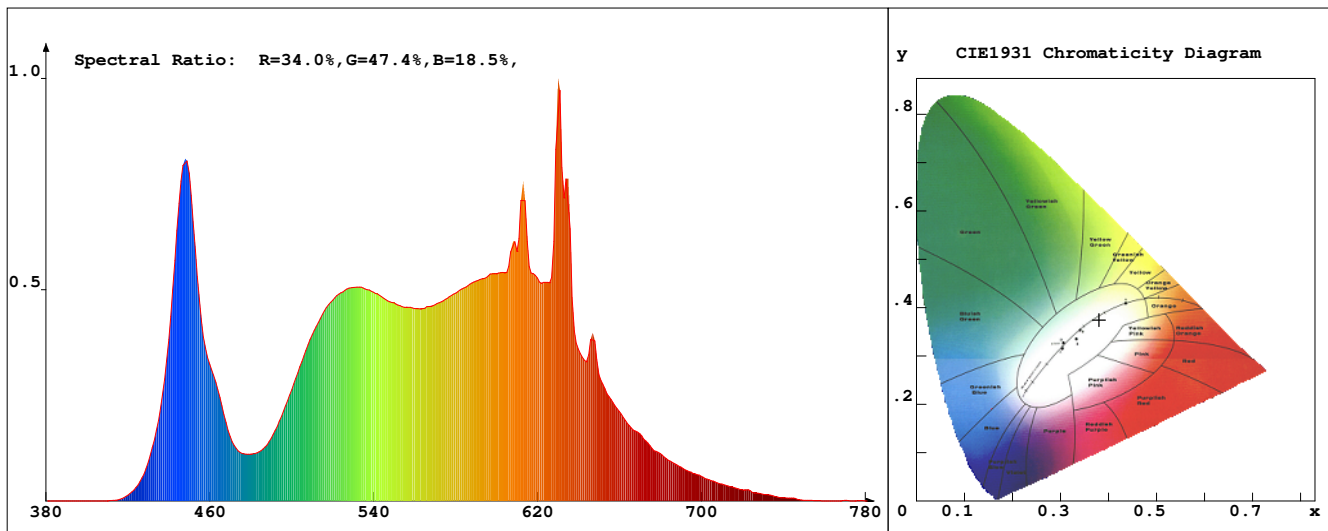
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



Chroma Parameters

Chro.Coord.: $x=0.3805$ $y=0.3747$ $u=0.2260$ $v=0.3338$ $duv=-0.0010$

CCT: 3982K Dominant Wave.: 579.7nm Purity: 26.6% Centre Wave: 612.2nm

Flux RGB Ratio: R=19.7%, G=78.3%, B=2.0% Peak Wave: 629.4nm Half Width: 47.2nm

Rendering Index: Ra= 90.2 CRI= 86.7

R1 =94 R2 =92 R3 =88 R4 =91 R5 =93 R6 =90 R7 =91 R8 =84

R9 =56 R10=79 R11=90 R12=70 R13=93 R14=92 R15=90

PPF: 27.873 $\mu\text{mol/s}$ (400-700nm)

PRF: 6.0mW (400-700nm)

PAR: 5.2mW (400-700nm)

Photo Parameters

Flux: 2093.35lm Effi.: 147.8lm/W Radiant: 6029.1mW Iv: 0.0mcd

Scotopic Flux: 3572.3Plm Effi.: 0.0Plm/W S/P: 1.7

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 28278.699 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: $I_f=590.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$ Forward Voltage: $V_f=24.00\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$ Power: $P=14.171\text{W}$

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 41.112ms

VPeak: 13544

VDark: 1340

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

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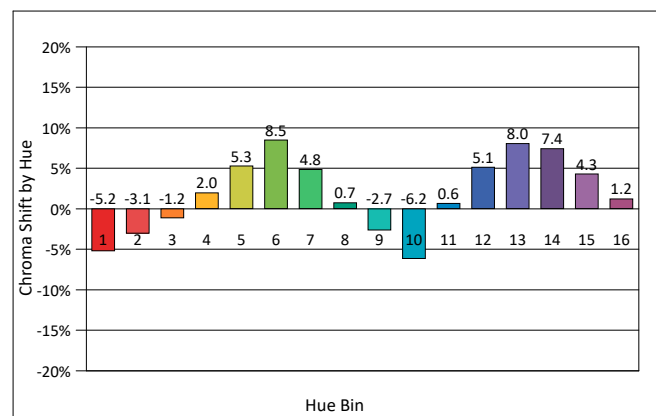
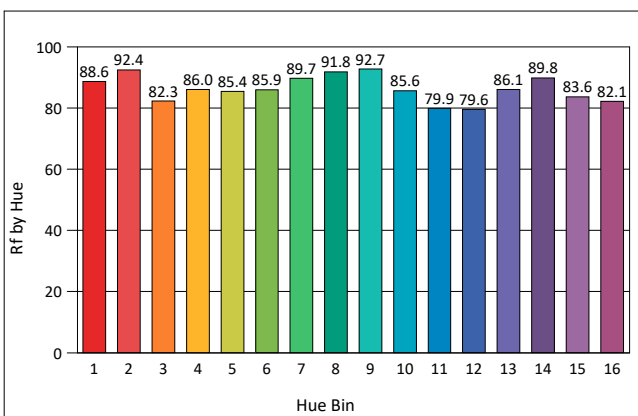
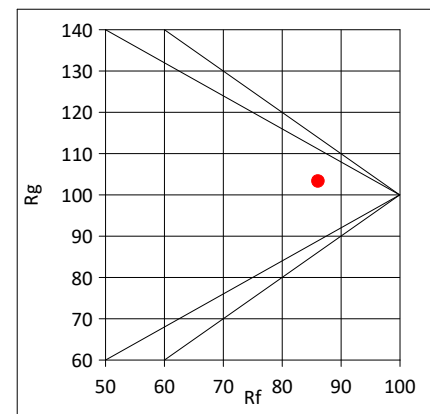
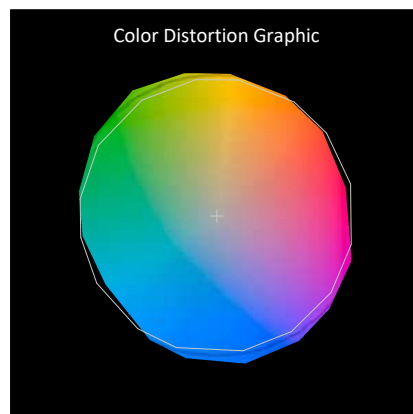
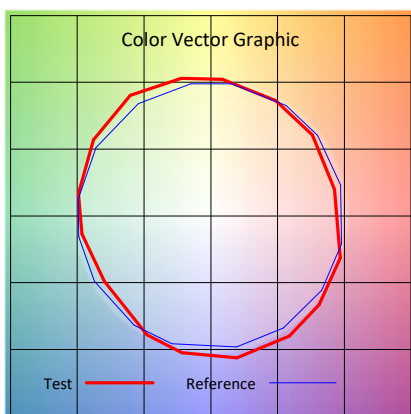
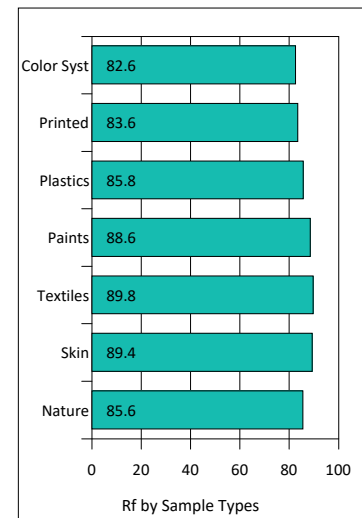
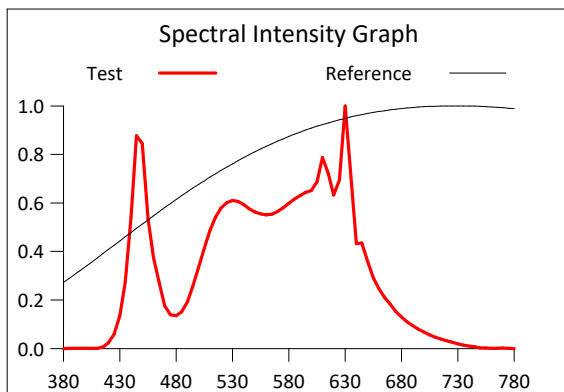
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Rf: 86.1 CCT(K): 3982 u': 0.2260
 Rg: 103.3 LER: 329.7 Duv: -0.0010 v': 0.3338

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	88.6	-5.2%	-2.5%
2	92.4	-3.1%	2.4%
3	82.3	-1.2%	8.3%
4	86.0	2.0%	7.4%
5	85.4	5.3%	6.2%
6	85.9	8.5%	1.6%
7	89.7	4.8%	-3.7%
8	91.8	0.7%	-4.2%
9	92.7	-2.7%	-1.9%
10	85.6	-6.2%	4.1%
11	79.9	0.6%	11.9%
12	79.6	5.1%	8.6%
13	86.1	8.0%	-1.3%
14	89.8	7.4%	0.6%
15	83.6	4.3%	-10.0%
16	82.1	1.2%	-10.5%



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