

LED Test Report

Product Mark

Product Type : OR40s-F52-1608Z2-S1

Manufacturer : -

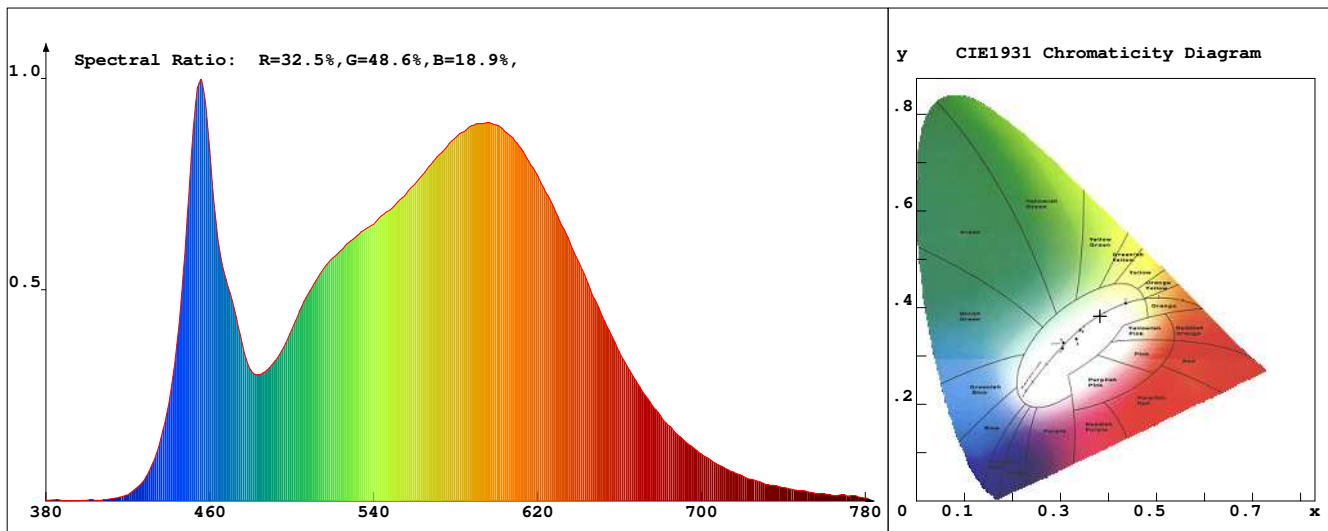
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.: $x=0.3825$ $y=0.3823$ $u=0.2242$ $v=0.3362$ $duv=0.0020$

CCT: 3986K Dominant Wave.: 578.1nm Purity: 29.5% Centre Wave: 457.0nm

Flux RGB Ratio: $R=17.5\%$, $G=79.8\%$, $B=2.7\%$ Peak Wave: 454.8nm Half Width: 23.1nm

Rendering Index: $R_a=82.7$ CRI= 78.9

 $R_1=81$ $R_2=91$ $R_3=96$ $R_4=80$ $R_5=81$ $R_6=86$ $R_7=85$ $R_8=63$ $R_9=6$ $R_{10}=78$ $R_{11}=78$ $R_{12}=59$ $R_{13}=84$ $R_{14}=98$ $R_{15}=74$ PPF: 28.458 $\mu\text{mol/s}$ (400–700nm)

PRF: 6.1mW (400–700nm)

PAR: 5.3mW (400–700nm)

Photo Parameters

Flux: 2221.12lm Effi.: 154.4lm/W Radiant: 6202.7mW Iv: 0.0mcd

Scotopic Flux: 3791.9Plm Effi.: 0.0Plm/W S/P: 1.7

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 29228.900 $\mu\text{mol/s}$ (380–780nm)

Ele. Parameters

Forward Current: $I_f=598.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$ Forward Voltage: $V_f=24.05\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$ Power: $P=14.400\text{W}$

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 68.505ms

VPeak: 13368

VDark: 1337

Scan Range: 380–780nm

Product ID: 201508924

IES TM-30-2015 Test Report

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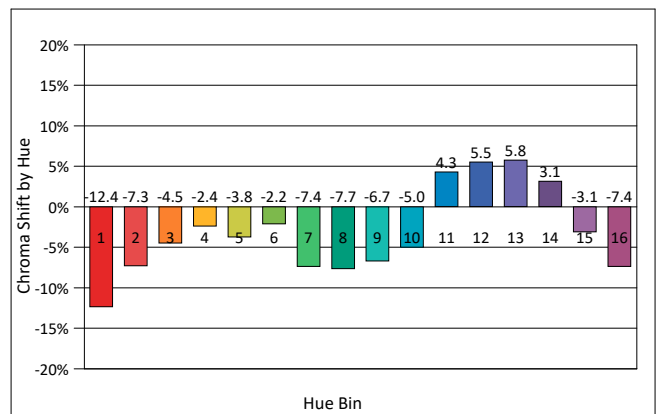
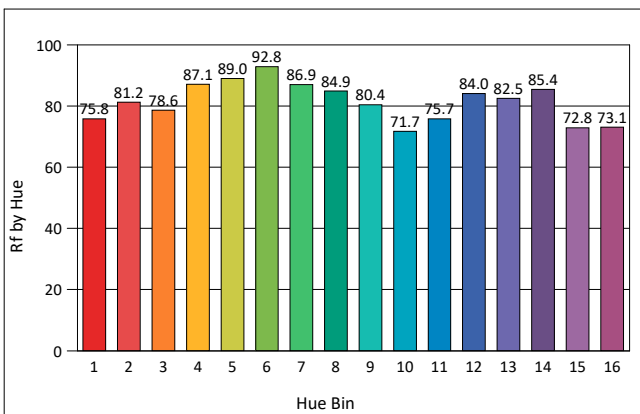
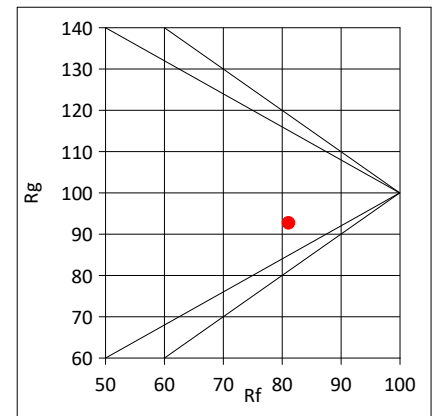
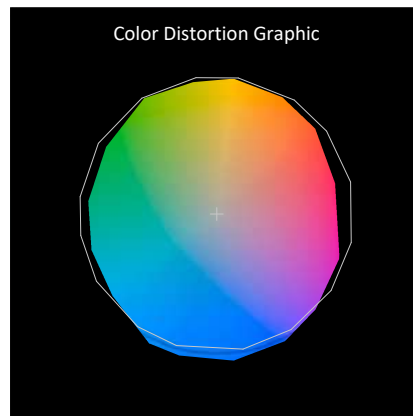
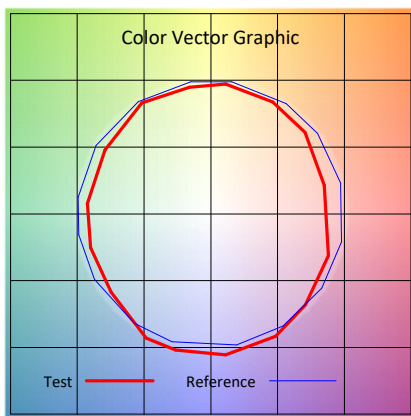
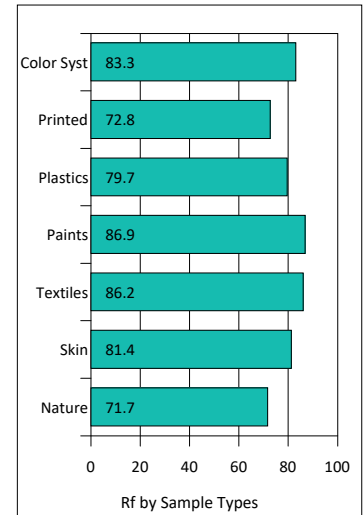
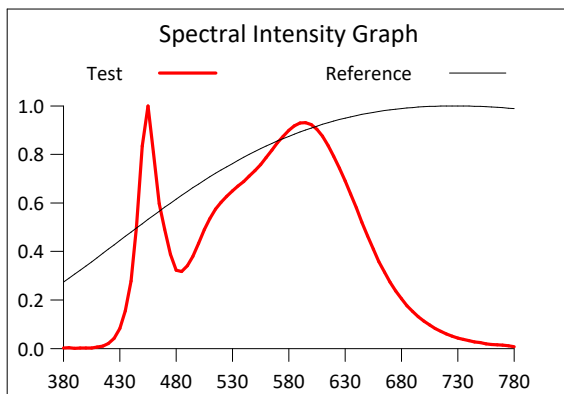
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Rf: 81.1 CCT(K): 3986 u': 0.2242
 Rg: 92.7 LER: 333.0 Duv: 0.0020 v': 0.3362

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	75.8	-12.4%	0.7%
2	81.2	-7.3%	5.7%
3	78.6	-4.5%	8.9%
4	87.1	-2.4%	4.0%
5	89.0	-3.8%	1.8%
6	92.8	-2.2%	-1.7%
7	86.9	-7.4%	-0.7%
8	84.9	-7.7%	3.1%
9	80.4	-6.7%	10.9%
10	71.7	-5.0%	15.0%
11	75.7	4.3%	13.8%
12	84.0	5.5%	4.1%
13	82.5	5.8%	-9.4%
14	85.4	3.1%	-8.8%
15	72.8	-3.1%	-17.2%
16	73.1	-7.4%	-12.0%



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