

LED Test Report

Product Mark

Product Type : OR300-F52-528OR2

Manufacturer : -

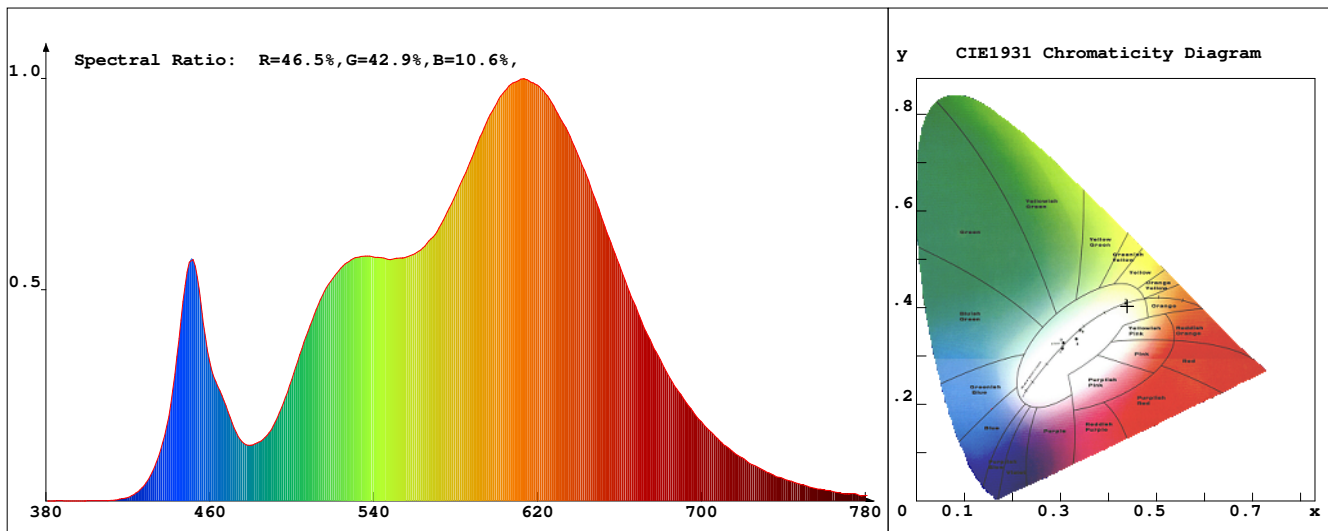
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.: $x=0.4389$ $y=0.4033$ $u=0.2522$ $v=0.3476$ $duv=-0.0006$

CCT: 2961K Dominant Wave.: 583.2nm Purity: 52.8% Centre Wave: 589.6nm

Flux RGB Ratio: $R=23.9\%$, $G=74.7\%$, $B=1.4\%$ Peak Wave: 612.6nm Half Width: 147.5nm

Rendering Index: $R_a=91.3$ CRI= 88.3

$R_1=93$	$R_2=95$	$R_3=96$	$R_4=94$	$R_5=93$	$R_6=95$	$R_7=90$	$R_8=75$
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$R_9=42$	$R_{10}=87$	$R_{11}=95$	$R_{12}=79$	$R_{13}=93$	$R_{14}=97$	$R_{15}=85$	
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PPF: 22.986 $\mu\text{mol/s}$ (400–700nm)

PRF: 4.7mW (400–700nm)

PAR: 4.2mW (400–700nm)

Photo Parameters

Flux: 1594.81lm Effi.: 114.0lm/W Radiant: 4904.6mW Iv: 0.0mcd

Scotopic Flux: 2186.0Plm Effi.: 0.0Plm/W S/P: 1.4

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 24020.400 $\mu\text{mol/s}$ (380–780nm)

Ele. Parameters

Forward Current: $I_f=583.0\text{mA}$ 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: $P=14.001\text{W}$

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 100.564ms

VPeak: 13464

VDark: 1245

Scan Range: 380–780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

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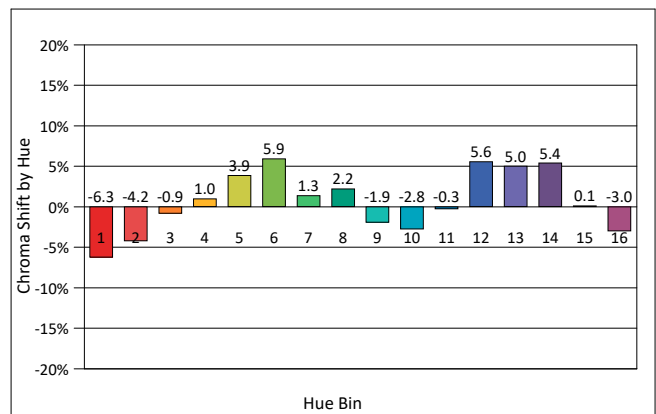
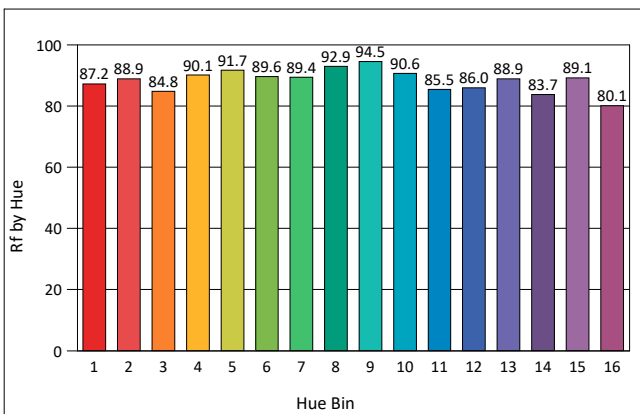
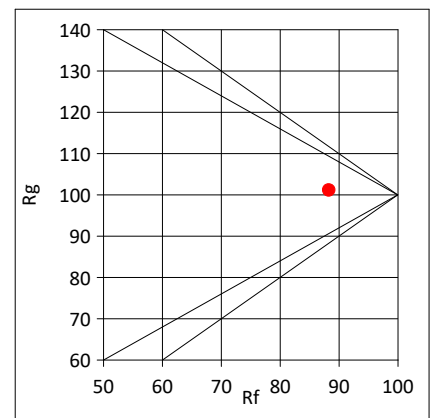
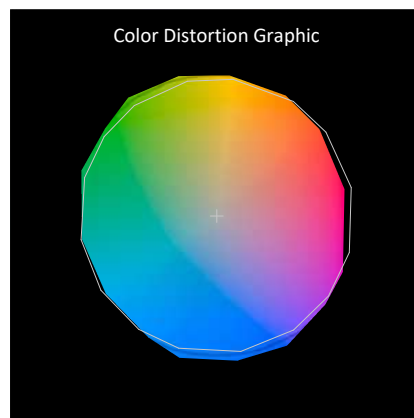
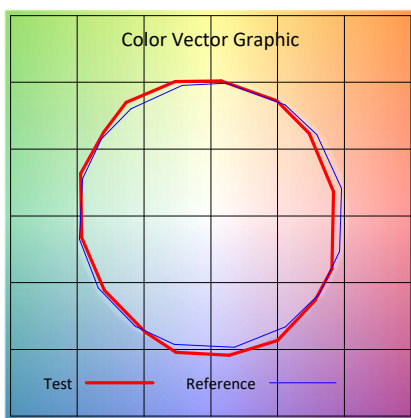
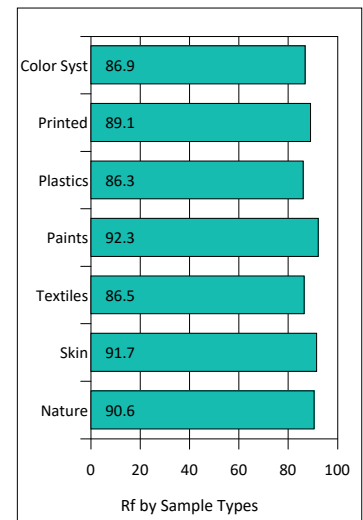
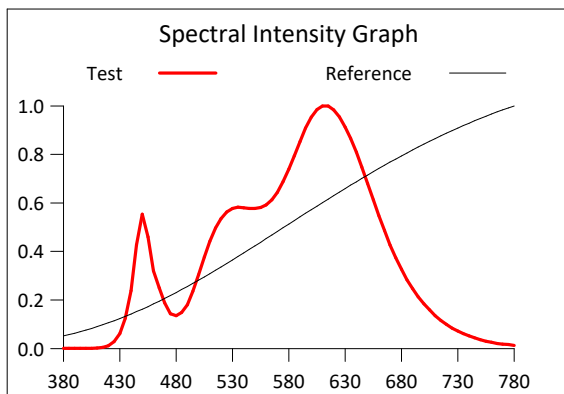
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Rf: 88.3 CCT(K): 2961 u': 0.2522
 Rg: 101.1 LER: 314.4 Duv: -0.0006 v': 0.3476

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	87.2	-6.3%	-1.2%
2	88.9	-4.2%	3.7%
3	84.8	-0.9%	7.0%
4	90.1	1.0%	4.4%
5	91.7	3.9%	4.7%
6	89.6	5.9%	0.3%
7	89.4	1.3%	-5.1%
8	92.9	2.2%	-3.5%
9	94.5	-1.9%	-0.8%
10	90.6	-2.8%	3.9%
11	85.5	-0.3%	8.9%
12	86.0	5.6%	2.5%
13	88.9	5.0%	-4.7%
14	83.7	5.4%	-10.6%
15	89.1	0.1%	-6.1%
16	80.1	-3.0%	-13.9%



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