

# LED Test Report

## Product Mark

Product Type : OR290-F52-240DF2/14.4

Manufacturer : -

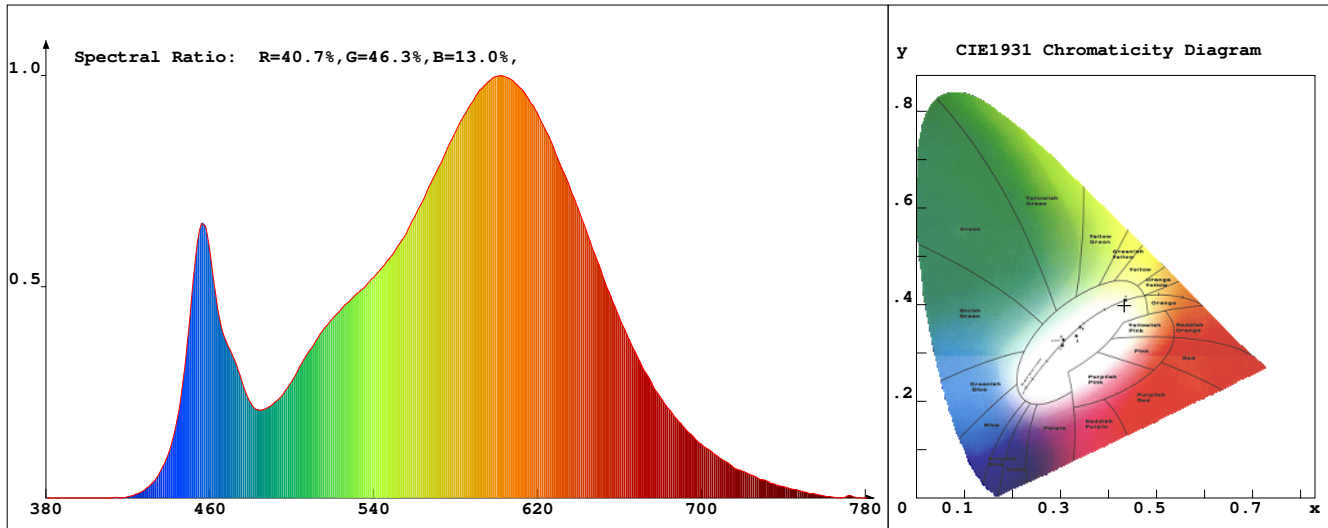
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



## Chroma Parameters

Chro.Coord.:  $x=0.4332$   $y=0.3986$   $u=0.2505$   $v=0.3458$   $duv=-0.0017$ 

CCT: 3019K Dominant Wave.: 583.4nm Purity: 49.7% Centre Wave: 594.1nm

Flux RGB Ratio: R=21.8%, G=76.2%, B=2.0% Peak Wave: 601.8nm Half Width: 117.1nm

## Rendering Index: Ra= 80.8 CRI= 78.2

R1 =80 R2 =93 R3 =93 R4 =76 R5 =79 R6 =90 R7 =80 R8 =55

R9 =0 R10=82 R11=74 R12=68 R13=84 R14=97 R15=73

PPF: 19.899  $\mu\text{mol/s}$  (400-700nm)

PRF: 4.1mW (400-700nm)

PAR: 3.7mW (400-700nm)

## Photo Parameters

Flux: 1506.10lm

Effi.: 115.9lm/W

Radiant: 4222.3mW

Iv: 0.0mcd

Scotopic Flux: 2051.4Plm

Effi.: 0.0Plm/W

S/P: 1.4

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 20416.500  $\mu\text{mol/s}$  (380-780nm)

## Ele. Parameters

Forward Current:  $I_f=545.0\text{mA}$ Reverse Voltage:  $V_r=5.00\text{V}$ Forward Voltage:  $V_f=23.85\text{V}$ Reverse Current:  $I_r=0.00\mu\text{A}$ Power:  $P=13.001\text{W}$ 

## Instrument state

Instrument: Lisun LMS-8000

Integral Time: 108.720ms

VPeak: 14568

VDark: 1221

Scan Range: 380-780nm

Product ID: 201508924

# IES TM-30-2015 Test Report

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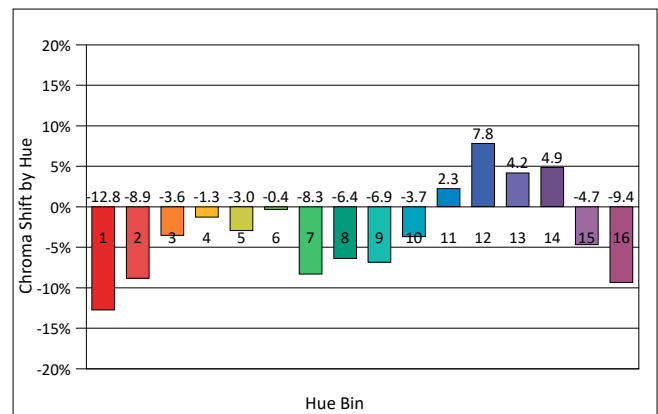
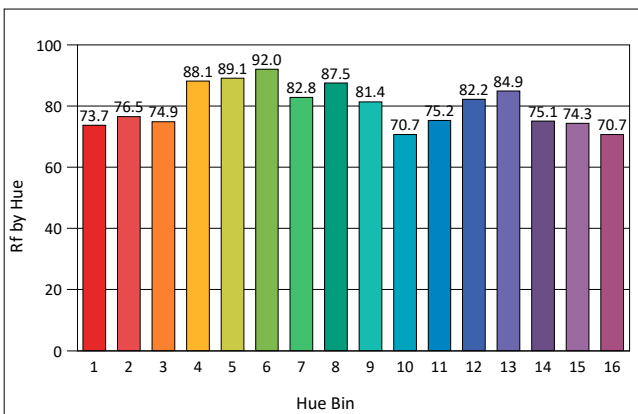
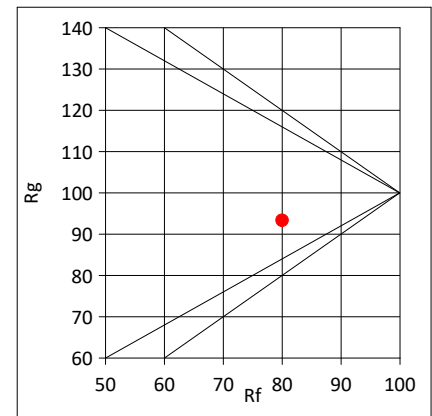
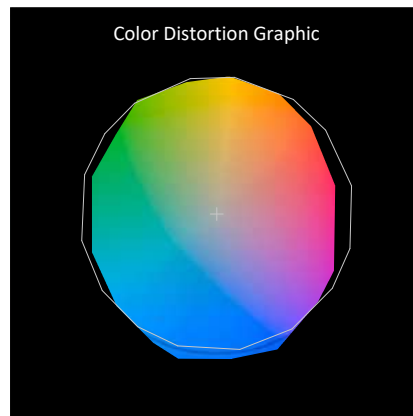
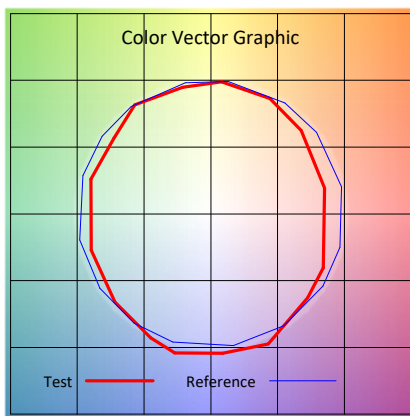
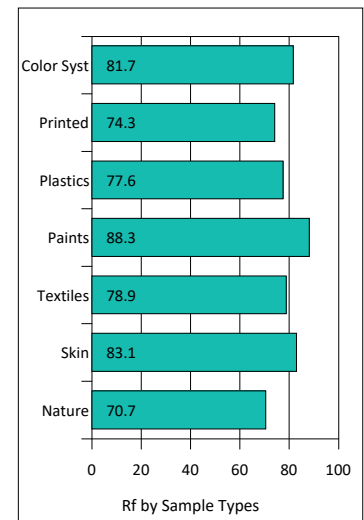
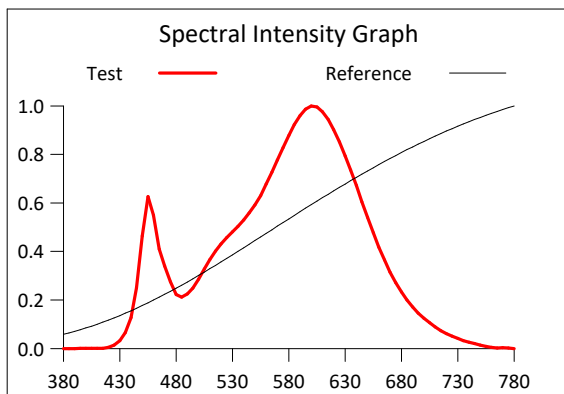
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Rf: 80.0 CCT(K): 3019 u': 0.2505  
Rg: 93.3 LER: 336.1 Duv: -0.0017 v': 0.3458

| Hue Bin | Rf   | Graphic Shifts (%) |        |
|---------|------|--------------------|--------|
|         |      | Chroma             | Hue    |
| 1       | 73.7 | -12.8%             | 1.6%   |
| 2       | 76.5 | -8.9%              | 7.7%   |
| 3       | 74.9 | -3.6%              | 11.2%  |
| 4       | 88.1 | -1.3%              | 4.9%   |
| 5       | 89.1 | -3.0%              | 2.5%   |
| 6       | 92.0 | -0.4%              | -3.0%  |
| 7       | 82.8 | -8.3%              | -3.6%  |
| 8       | 87.5 | -6.4%              | 1.4%   |
| 9       | 81.4 | -6.9%              | 9.1%   |
| 10      | 70.7 | -3.7%              | 14.9%  |
| 11      | 75.2 | 2.3%               | 16.4%  |
| 12      | 82.2 | 7.8%               | 2.9%   |
| 13      | 84.9 | 4.2%               | -8.8%  |
| 14      | 75.1 | 4.9%               | -17.5% |
| 15      | 74.3 | -4.7%              | -13.7% |
| 16      | 70.7 | -9.4%              | -17.4% |



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