

LED Test Report

Product Mark

Product Type : OR40s-F52-238DY2-Ca9

Manufacturer : -

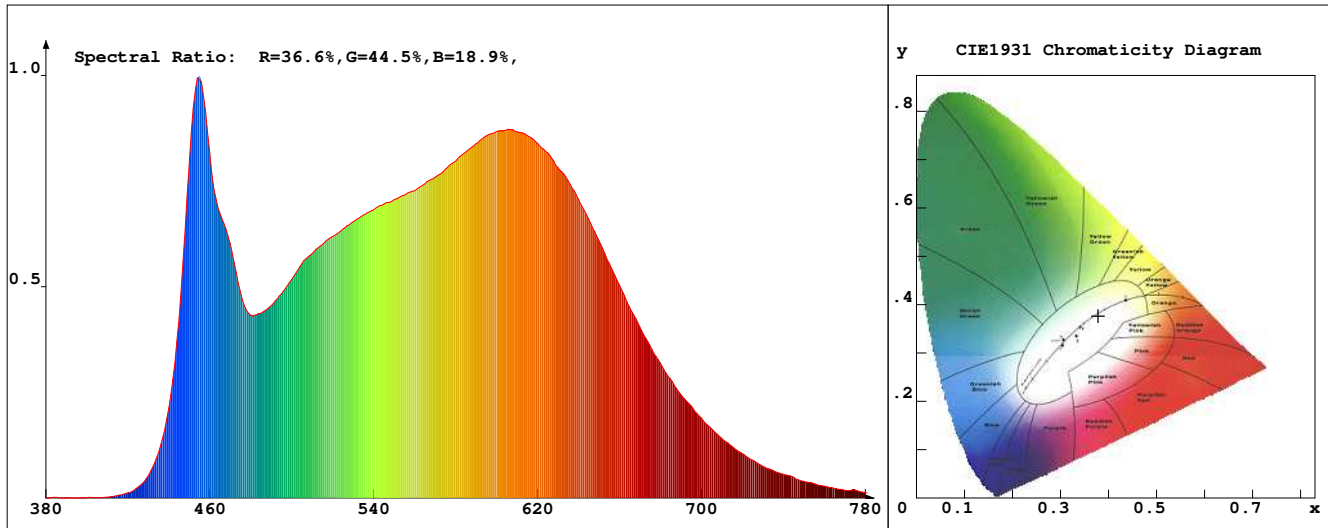
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.: $x=0.3783$ $y=0.3767$ $u=0.2237$ $v=0.3342$ $duv=0.0006$

CCT: 4058K Dominant Wave.: 578.5nm Purity: 26.6% Centre Wave: 459.3nm

Flux RGB Ratio: R=18.7%, G=78.0%, B=3.2% Peak Wave: 453.8nm Half Width: 28.5nm

Rendering Index: Ra= 91.2 CRI= 88.6

R1 =92 R2 =98 R3 =97 R4 =89 R5 =91 R6 =94 R7 =90 R8 =79

R9 =52 R10=94 R11=91 R12=70 R13=94 R14=99 R15=88

PPF: 34.834 $\mu\text{mol/s}$ (400-700nm)

PRF: 7.4mW (400-700nm)

PAR: 6.4mW (400-700nm)

Photo Parameters

Flux: 2450.84lm Effi.: 122.4lm/W Radiant: 7635.2mW Iv: 0.0mcd

Scotopic Flux: 4522.5Plm Effi.: 0.0Plm/W S/P: 1.8

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 36296.699 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: If=833.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=24.03V

Reverse Current: Ir=0.00uA

Power: P=20.021W

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 62.734ms

VPeak: 13480

VDark: 1249

Scan Range: 380-780nm

Product ID: 201508924

www.orizzonteled.com

IES TM-30-2015 Test Report

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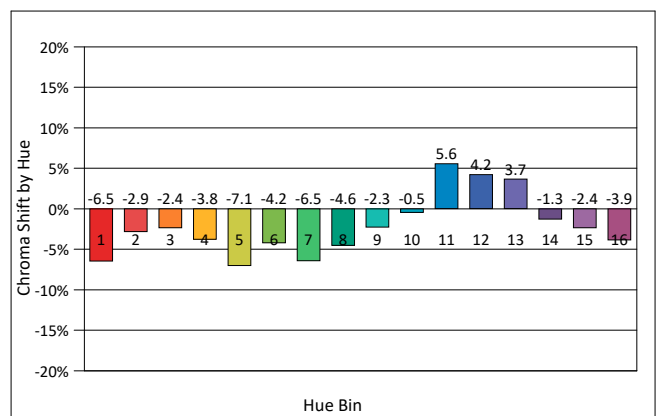
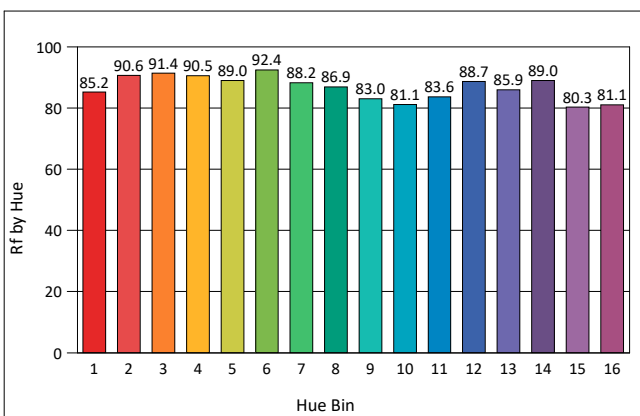
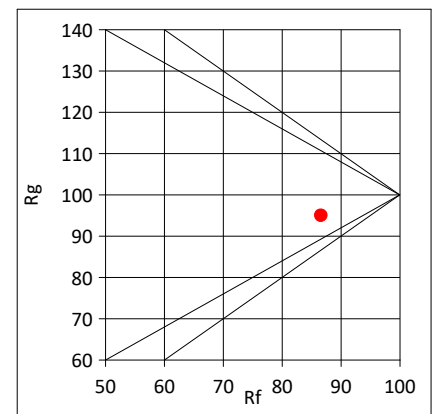
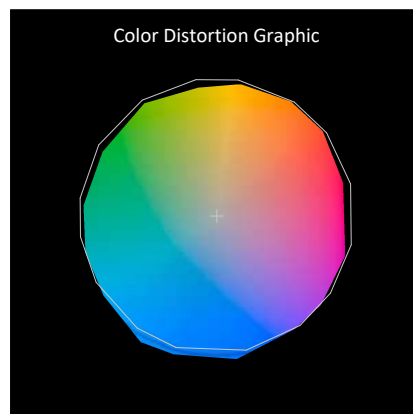
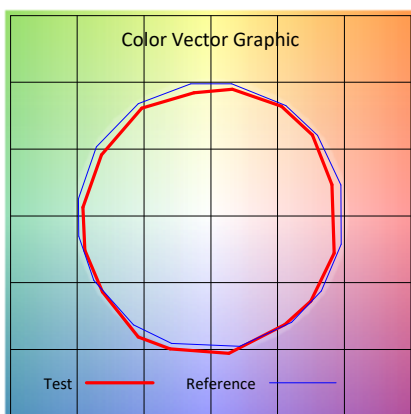
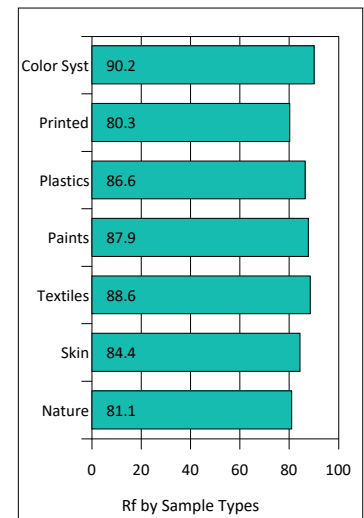
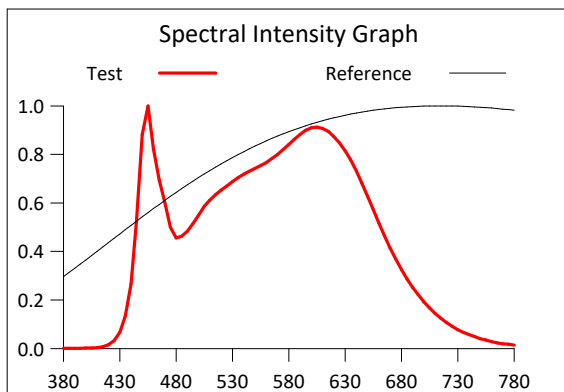
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Rf: 86.6 CCT(K): 4058 u': 0.2237
 Rg: 95.0 LER: 306.1 Duv: 0.0006 v': 0.3342

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	85.2	-6.5%	1.4%
2	90.6	-2.9%	2.3%
3	91.4	-2.4%	2.5%
4	90.5	-3.8%	-1.5%
5	89.0	-7.1%	-1.1%
6	92.4	-4.2%	-0.2%
7	88.2	-6.5%	2.8%
8	86.9	-4.6%	5.8%
9	83.0	-2.3%	11.2%
10	81.1	-0.5%	10.7%
11	83.6	5.6%	8.1%
12	88.7	4.2%	-0.3%
13	85.9	3.7%	-8.8%
14	89.0	-1.3%	-5.0%
15	80.3	-2.4%	-10.7%
16	81.1	-3.9%	-7.7%



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