

LED Test Report

Product Mark

Product Type : ORRED-F52-4800R2

Manufacturer : -

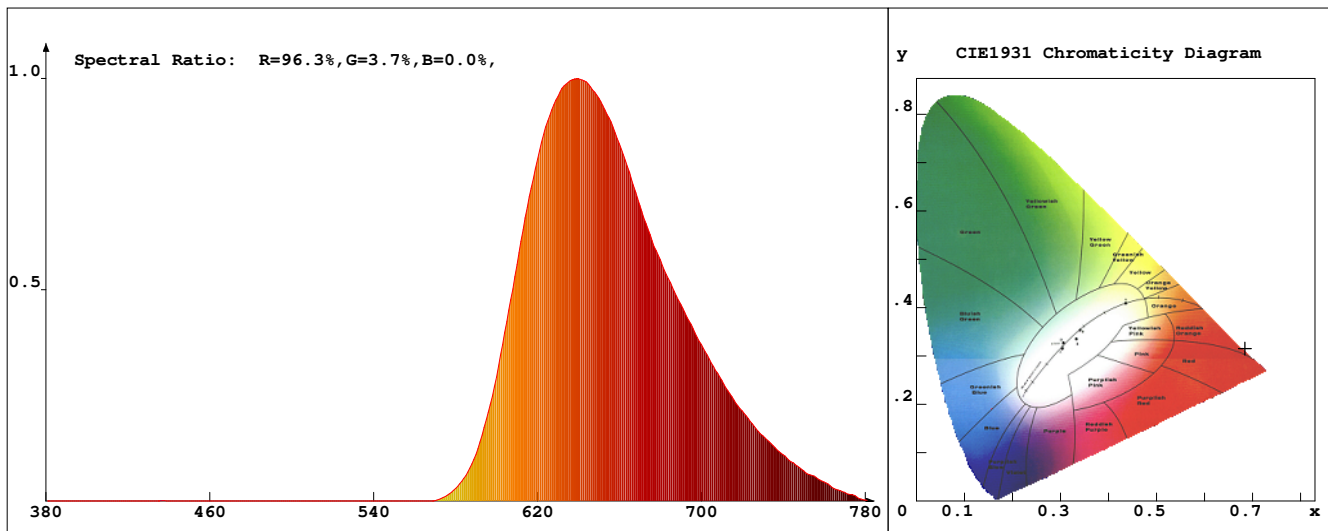
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



Chroma Parameters

Chro.Coord.:x=0.6841 y=0.3157 u=0.5048 v=0.3495 duv=-0.0003

CCT: 1250K Dominant Wave.:616.7nm Purity:100.0% Centre Wave:646.1nm

Flux RGB Ratio:R=85.3%,G=14.7%,B=0.0% Peak Wave:636.6nm Half Width:78.8nm

Rendering Index:Ra= 14.1 CRI= 54.0

R1 =-23 R2 =51 R3 =42 R4 =-30 R5 =-1 R6 =55 R7 =37 R8 =-17

R9 =-153 R10=41 R11=-54 R12=32 R13=-10 R14=59 R15=-23

PPF:8.449umol/s (400-700nm)

PRF:1.6mW (400-700nm)

PAR:1.4mW (400-700nm)

Photo Parameters

Flux:221.50lm Effi.:20.5lm/W Radiant:1779.6mW Iv:0.0mcd

Scotopic Flux:15.9Plm Effi.:0.0Plm/W S/P:0.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:9734.720umol/s (380-780nm)

Ele. Parameters

Forward Current:If=450.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=10.801W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 134.548ms

VPeak: 13512

VDark: 1398

Scan Range: 380-780nm

Product ID: 201508924

www.orizzonteled.com

IES TM-30-2015 Test Report

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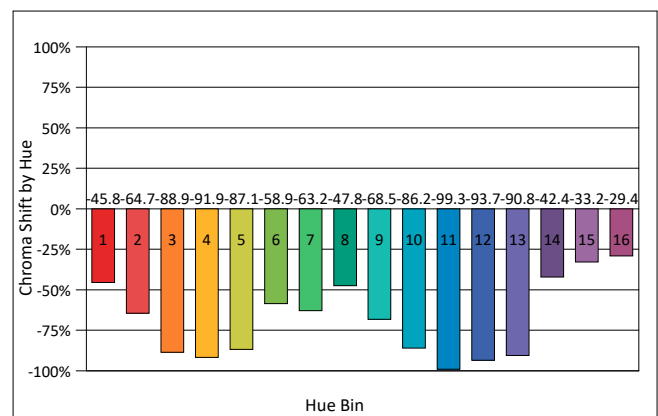
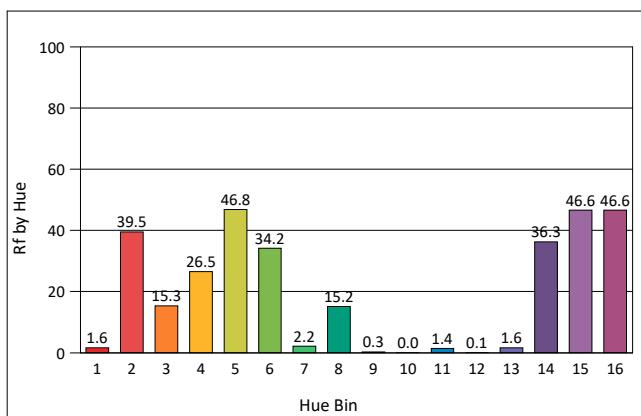
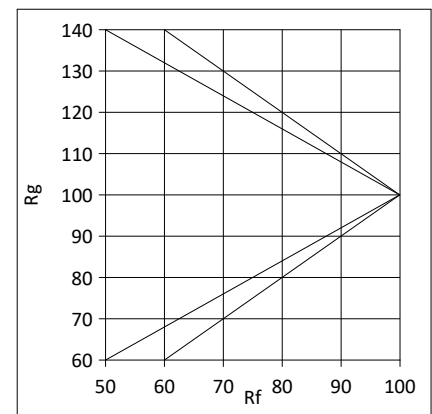
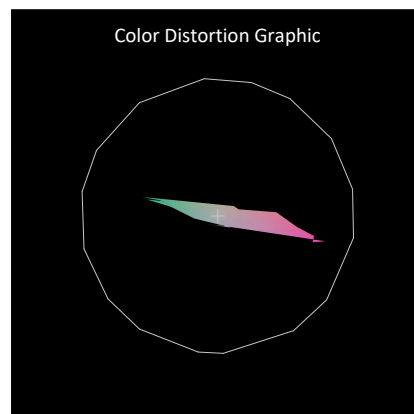
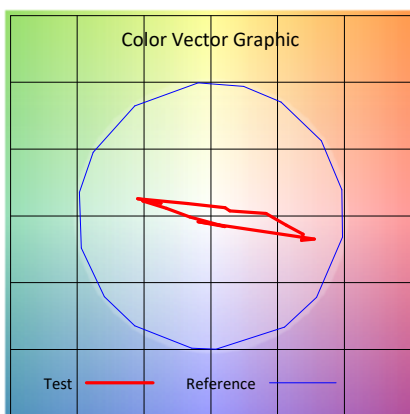
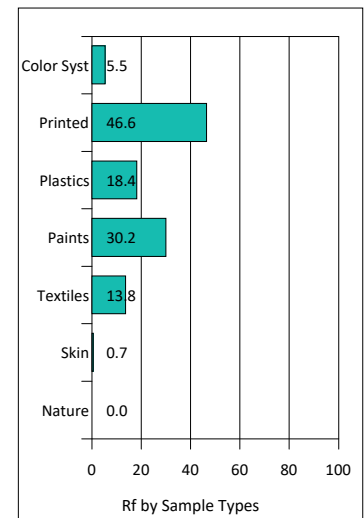
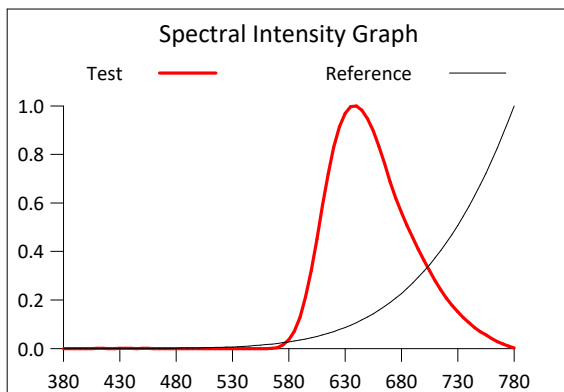
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Rf: 9.8 CCT(K): 1250 u': 0.5048
 Rg: 2.9 LER: 124.4 Duv: -0.0003 v': 0.3495

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	1.6	-45.8%	-18.0%
2	39.5	-64.7%	-22.4%
3	15.3	-88.9%	-13.3%
4	26.5	-91.9%	-4.0%
5	46.8	-87.1%	25.3%
6	34.2	-58.9%	37.0%
7	2.2	-63.2%	3.5%
8	15.2	-47.8%	-2.9%
9	0.3	-68.5%	-16.8%
10	0.0	-86.2%	-13.9%
11	1.4	-99.3%	15.0%
12	0.1	-93.7%	-13.8%
13	1.6	-90.8%	20.5%
14	36.3	-42.4%	55.0%
15	46.6	-33.2%	29.2%
16	46.6	-29.4%	-3.7%



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