

LED Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (W)

Manufacturer : -

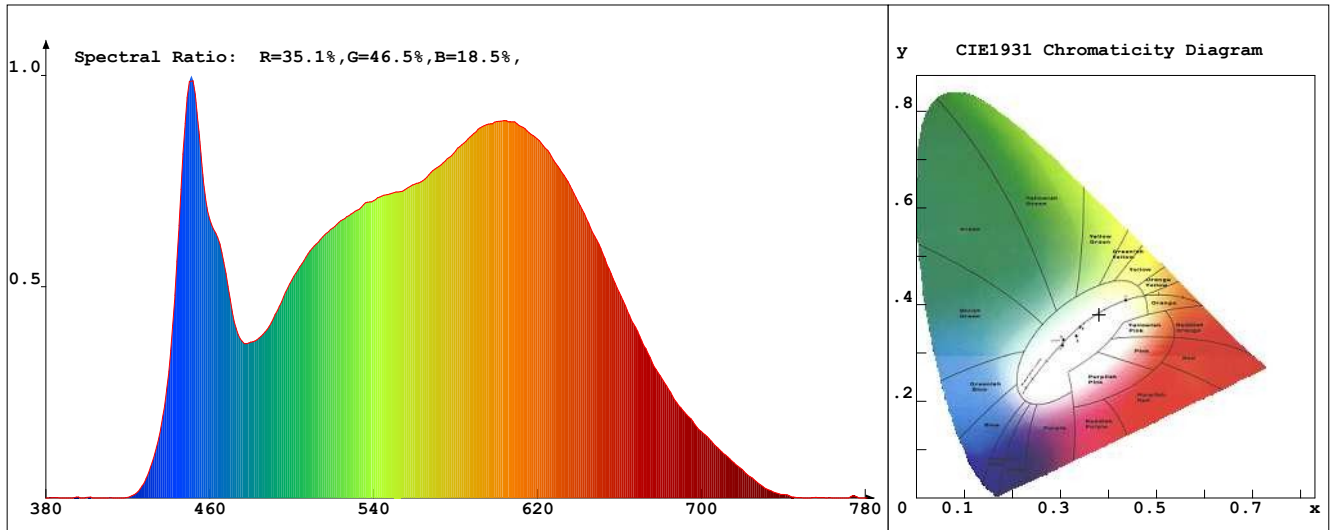
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

Remark:



Chroma Parameters

Chro.Coord.:x=0.3803 y=0.3792 u=0.2241 v=0.3351 duv=0.0011

CCT: 4021K Dominant Wave.:578.3nm Purity:27.9% Centre Wave:455.1nm

Flux RGB Ratio:R=18.6%,G=78.6%,B=2.8% Peak Wave:449.6nm Half Width:25.7nm

Rendering Index:Ra= 90.4 CRI= 87.2

R1 =90 R2 =95 R3 =98 R4 =90 R5 =90 R6 =93 R7 =91 R8 =77

R9 =43 R10=88 R11=90 R12=71 R13=92 R14=99 R15=86

PPF:8.001umol/s (400-700nm)

PRF:1.7mW (400-700nm)

PAR:1.5mW (400-700nm)

Photo Parameters

Flux:579.67lm Effi.:104.4lm/W Radiant:1727.5mW Iv:0.0mcd

Scotopic Flux:1036.2Plm Effi.:0.0Plm/W S/P:1.8

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:8167.700umol/s (380-780nm)

Ele. Parameters

Forward Current:If=231.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.03V

Reverse Current:Ir=0.00uA

Power:P=5.560W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 250.852ms

VPeak: 11672

VDark: 1201

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (W)

Manufacturer : -

Temperature : 'C

Humidity : -%

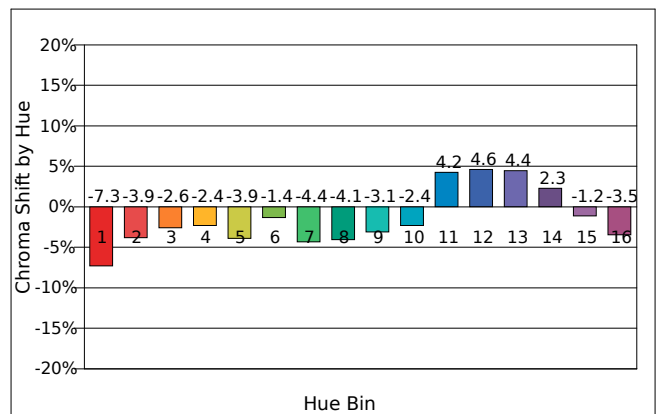
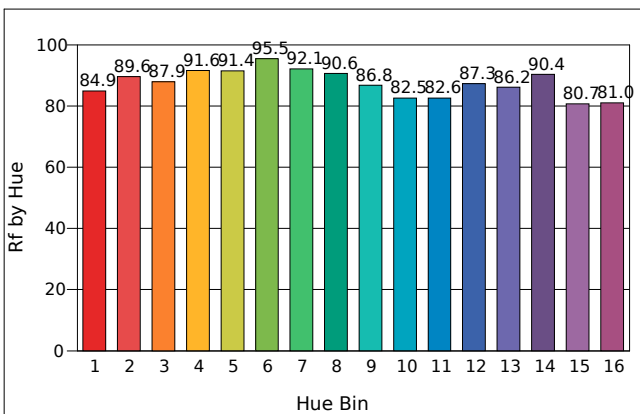
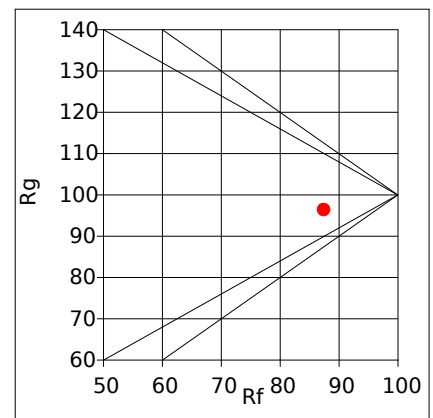
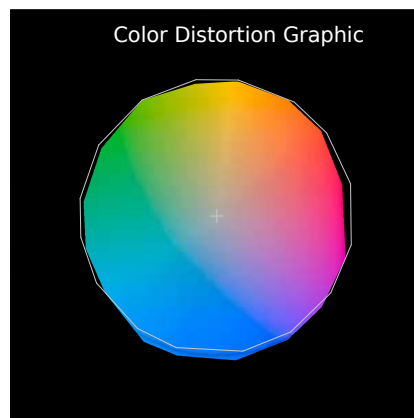
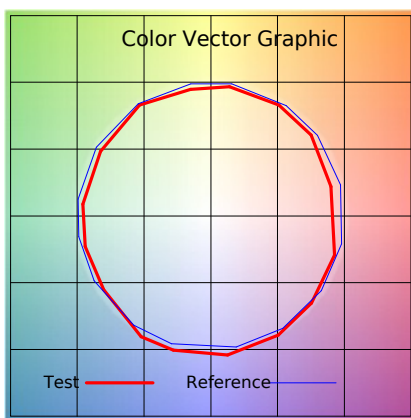
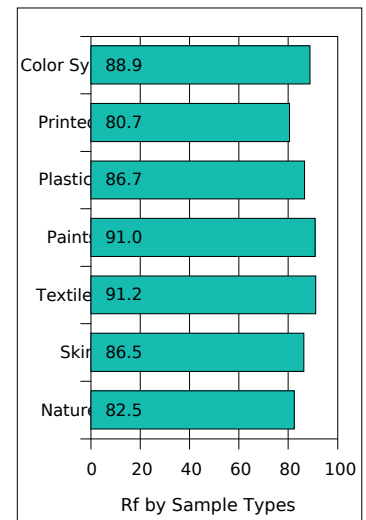
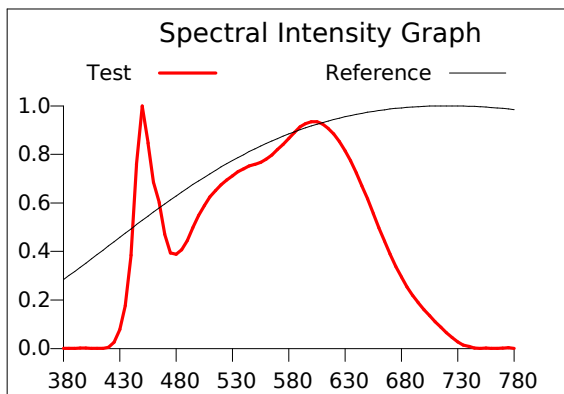
Operator : -

Test Date : 2026-09-01

Remark:

Rf: 87.4 CCT(K): 4021 u': 0.2241
 Rg: 96.4 LER: 317.9 Duv: 0.0011 v': 0.3351

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	84.9	-7.3%	0.3%
2	89.6	-3.9%	2.9%
3	87.9	-2.6%	4.7%
4	91.6	-2.4%	1.2%
5	91.4	-3.9%	0.8%
6	95.5	-1.4%	-0.3%
7	92.1	-4.4%	0.8%
8	90.6	-4.1%	3.1%
9	86.8	-3.1%	8.1%
10	82.5	-2.4%	9.5%
11	82.6	4.2%	9.5%
12	87.3	4.6%	2.2%
13	86.2	4.4%	-7.5%
14	90.4	2.3%	-5.4%
15	80.7	-1.2%	-11.9%
16	81.0	-3.5%	-9.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (W)

Manufacturer : -

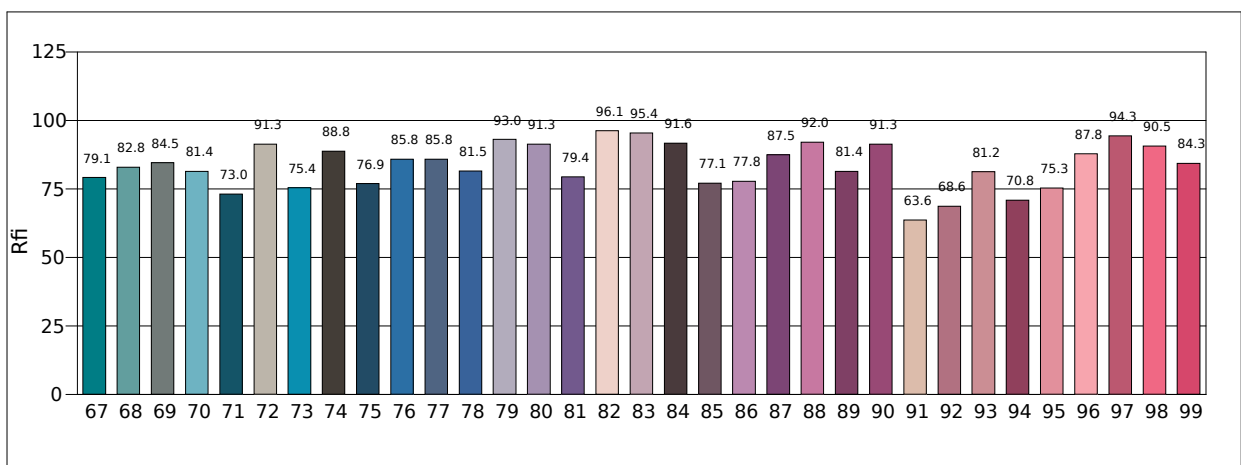
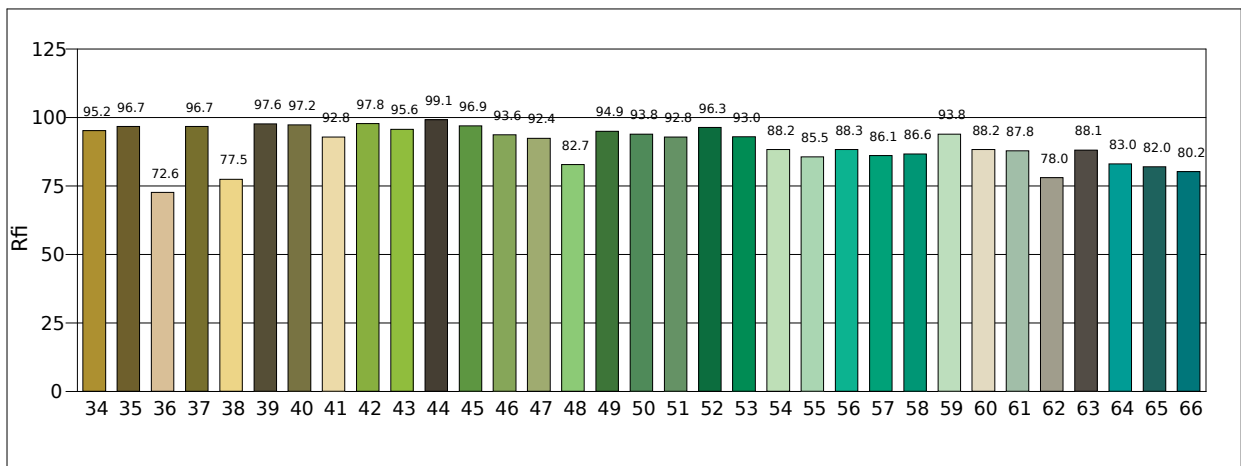
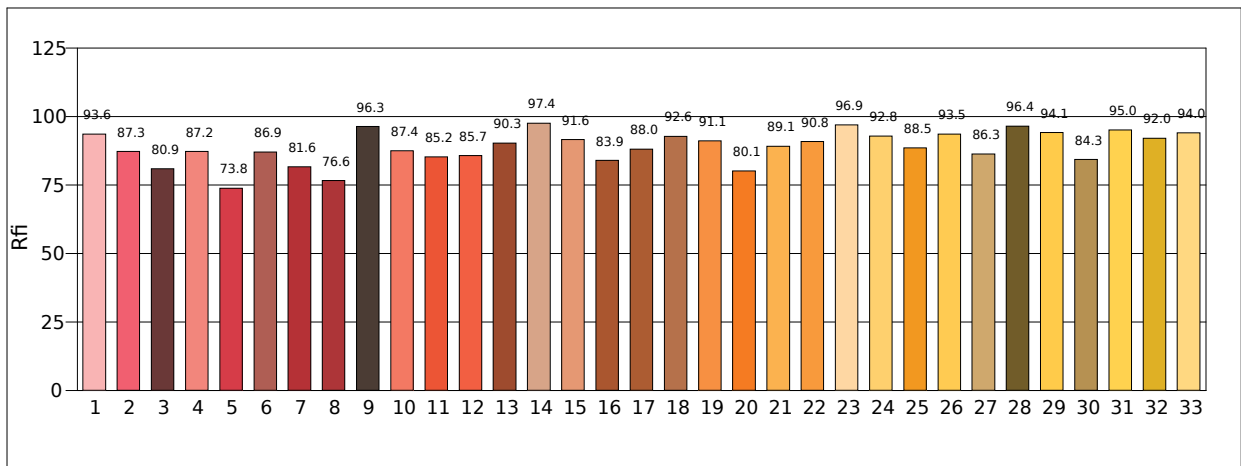
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

Remark :



LED Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (R)

Manufacturer : -

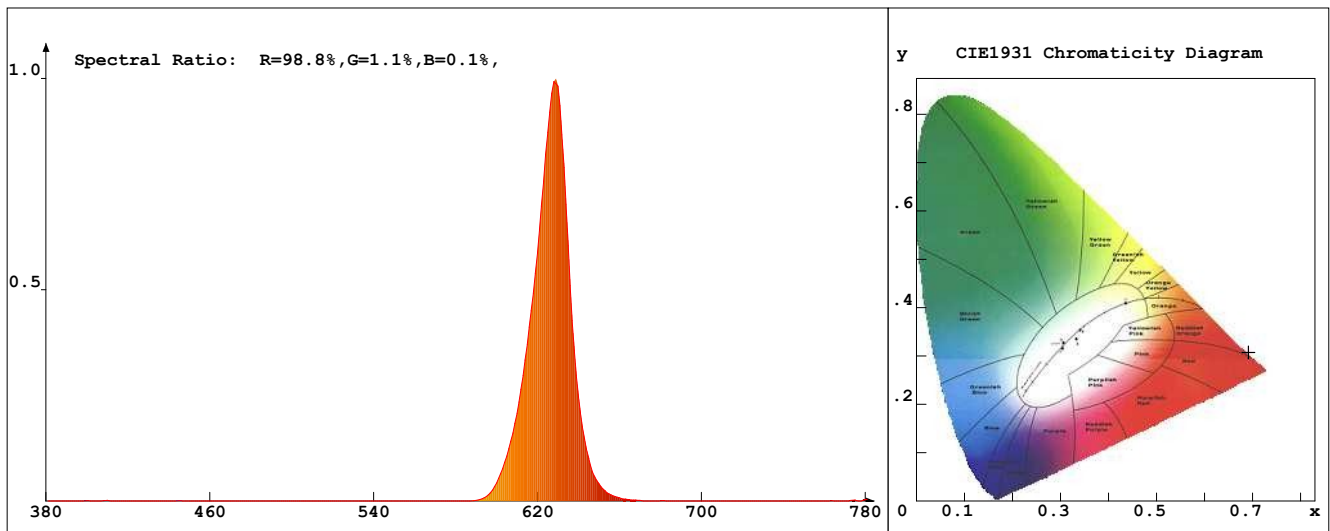
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

Remark:



Chroma Parameters

Chro.Coor.:x=0.6919 y=0.3076 u=0.5215 v=0.3477 duv=-0.0007

CCT: 1323K Dominant Wave.:620.4nm Purity:99.9% Centre Wave:626.1nm

Flux RGB Ratio:R=97.7%,G=2.3%,B=0.0% Peak Wave:627.5nm Half Width:18.0nm

Rendering Index:Ra=-19.6 CRI=102.5

R1 =-43 R2 =56 R3 =7 R4 =-75 R5 =-39 R6 =56 R7 =-10 R8 =-108

R9 =-335 R10=45 R11=-87 R12=29 R13=-15 R14=39 R15=-79

PPF:4.356umol/s (400-700nm)

PRF:0.8mW (400-700nm)

PAR:0.8mW (400-700nm)

Photo Parameters

Flux:187.86lm Effi.:30.1lm/W Radiant:835.0mW Iv:0.0mcd

Scotopic Flux:10.0Plm Effi.:0.0Plm/W S/P:0.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:4364.440umol/s (380-780nm)

Ele. Parameters

Forward Current:If=260.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.00V

Reverse Current:Ir=0.00uA

Power:P=6.260W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 91.376ms

VPeak: 15144

VDark: 1180

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (R)

Manufacturer : -

Temperature : 'C

Humidity : -%

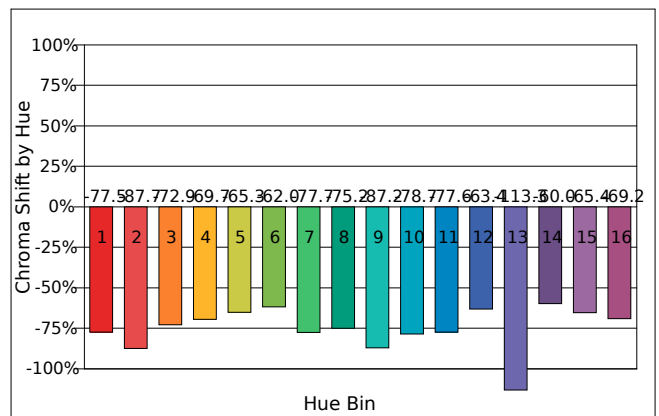
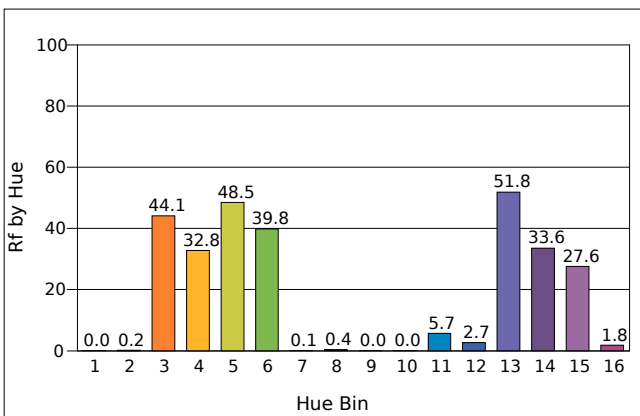
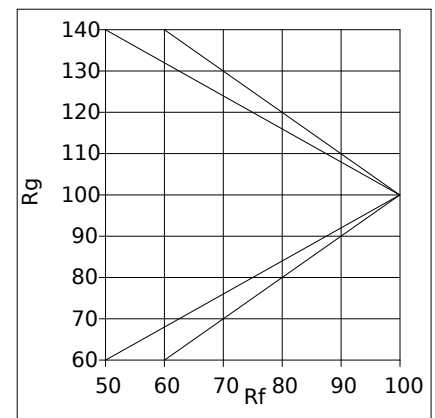
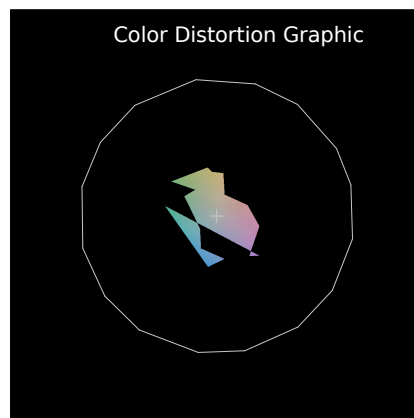
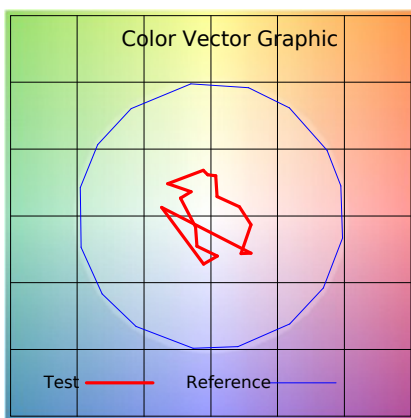
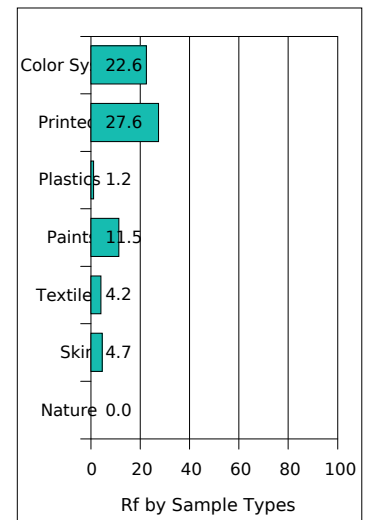
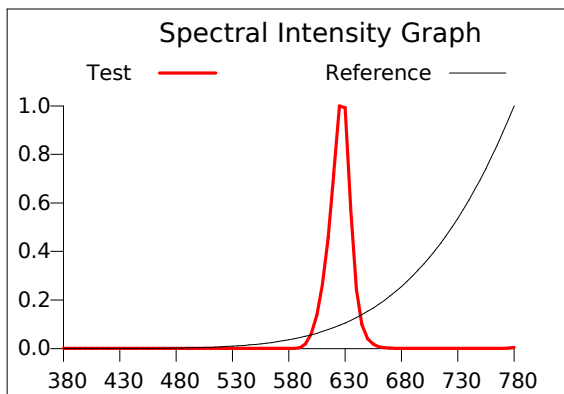
Operator : -

Test Date : 2026-09-01

Remark :

Rf: 1.5 CCT(K): 1323 u': 0.5215
 Rg: 5.1 LER: 221.8 Duv: -0.0007 v': 0.3477

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-77.5%	-0.4%
2	0.2	-87.7%	17.2%
3	44.1	-72.9%	17.4%
4	32.8	-69.7%	17.1%
5	48.5	-65.3%	3.5%
6	39.8	-62.0%	8.5%
7	0.1	-77.7%	-9.4%
8	0.4	-75.2%	-6.9%
9	0.0	-87.2%	1.9%
10	0.0	-78.7%	9.6%
11	5.7	-77.6%	21.4%
12	2.7	-63.4%	-4.7%
13	51.8	-113.3%	-35.6%
14	33.6	-60.0%	5.2%
15	27.6	-65.4%	-12.7%
16	1.8	-69.2%	-3.7%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (R)

Manufacturer : -

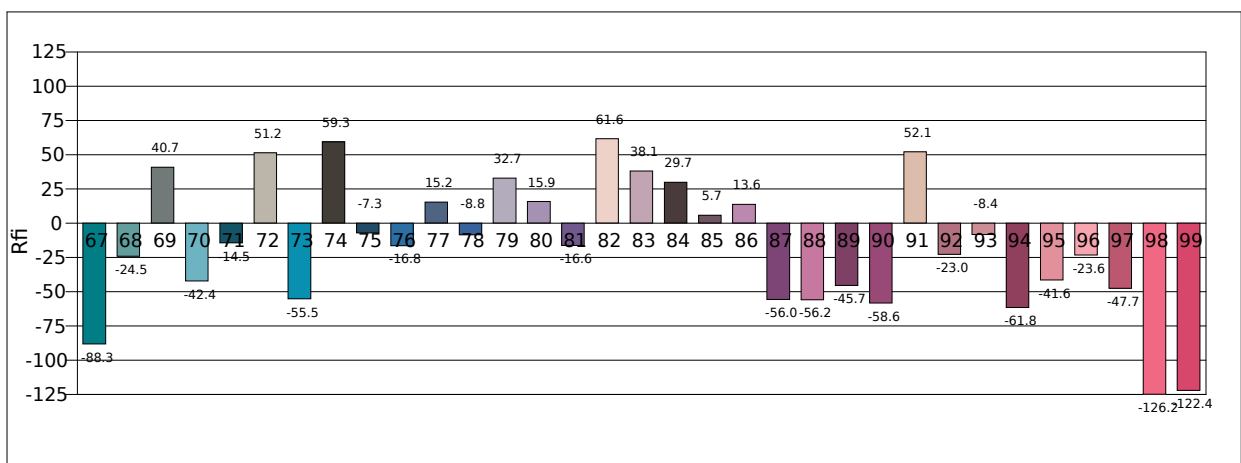
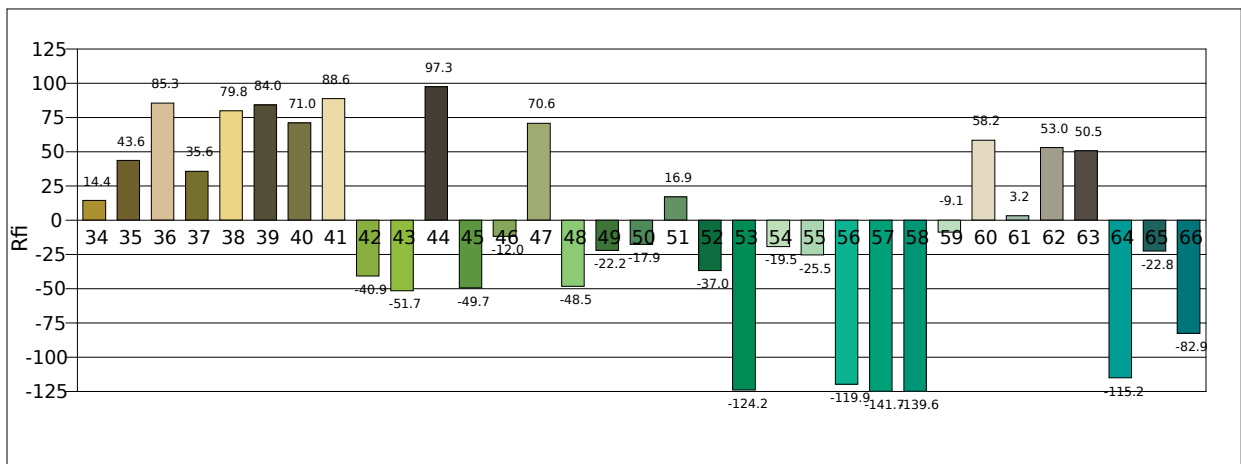
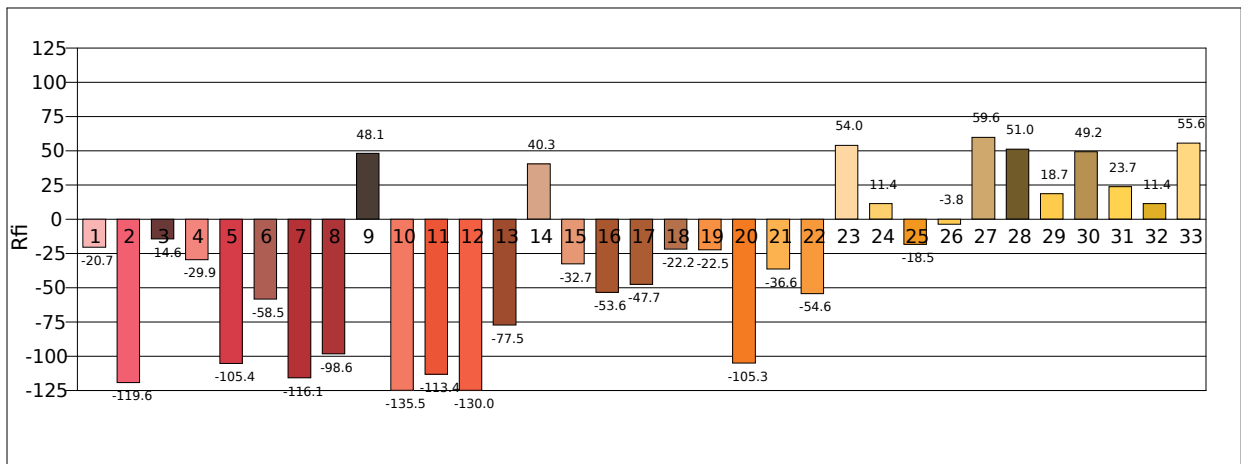
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

Remark :



LED Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (G)

Manufacturer : -

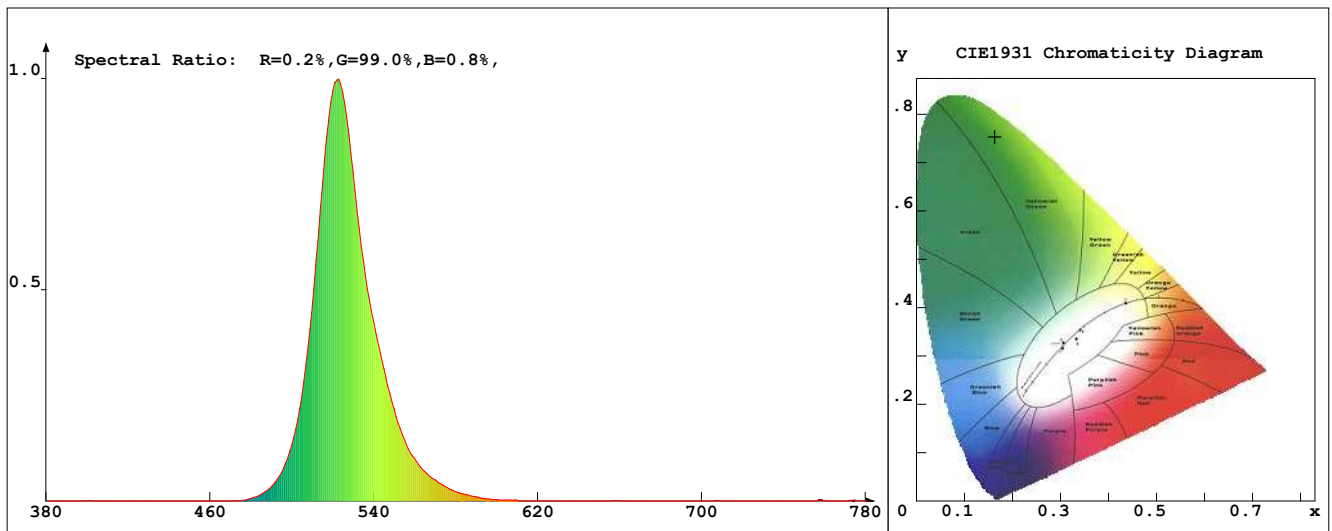
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

Remark:



Chroma Parameters

Chro.Coord.:x=0.1627 y=0.7535 u=0.0556 v=0.3859 duv=0.1627

CCT: 7832K Dominant Wave.:527.9nm Purity:87.2% Centre Wave:522.9nm

Flux RGB Ratio:R=0.1%,G=99.7%,B=0.2% Peak Wave:521.6nm Half Width:26.1nm

Rendering Index:Ra=-34.4 CRI=110.6

R1 =-38 R2 =-19 R3 =-43 R4 =-76 R5 =-14 R6 =-27 R7 =-19 R8 =-39

R9 =-368 R10=-131 R11=-109 R12=-49 R13=-46 R14=28 R15=-35

PPF:3.522umol/s (400-700nm)

PRF:0.8mW (400-700nm)

PAR:0.6mW (400-700nm)

Photo Parameters

Flux:451.38lm Effi.:149.1lm/W Radiant:801.3mW Iv:0.0mcd

Scotopic Flux:1227.6Plm Effi.:0.0Plm/W S/P:2.7

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:3526.870umol/s (380-780nm)

Ele. Parameters

Forward Current:If=126.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.03V

Reverse Current:Ir=0.00uA

Power:P=3.030W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 114.221ms

VPeak: 14728

VDark: 1193

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (G)

Manufacturer : -

Temperature : 'C

Humidity : -%

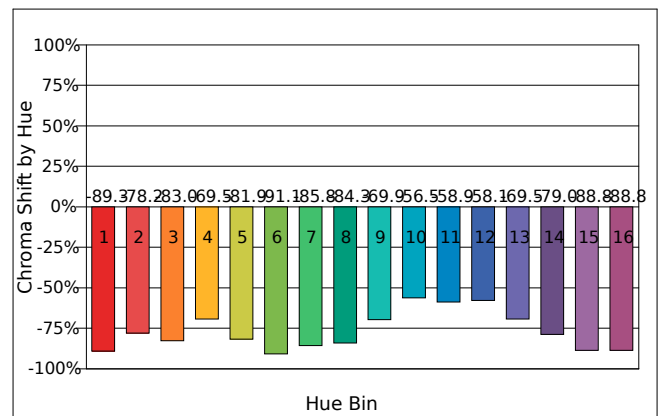
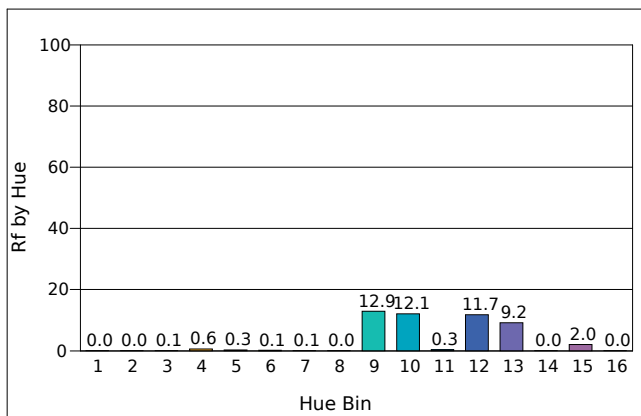
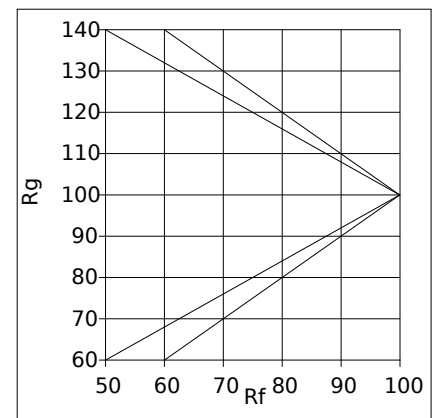
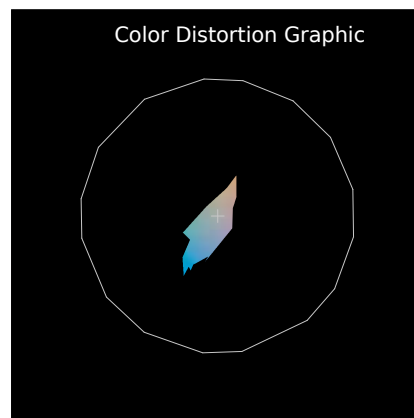
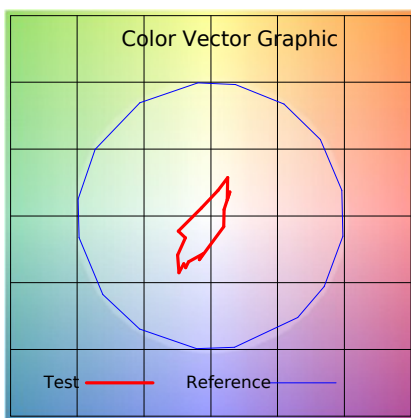
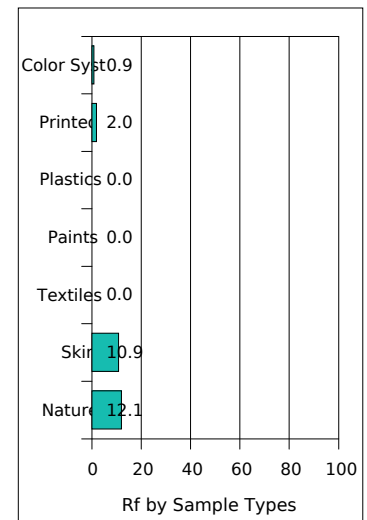
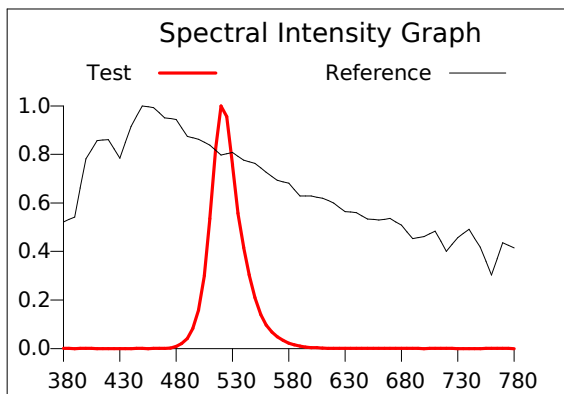
Operator : -

Test Date : 2026-09-01

Remark :

Rf: 0.2 CCT(K): 7832 u': 0.0556
 Rg: 3.5 LER: 509.4 Duv: 0.1627 v': 0.3859

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-89.3%	3.1%
2	0.0	-78.2%	5.1%
3	0.1	-83.0%	-4.4%
4	0.6	-69.5%	-8.0%
5	0.3	-81.9%	0.8%
6	0.1	-91.1%	5.6%
7	0.1	-85.8%	16.1%
8	0.0	-84.3%	12.6%
9	12.9	-69.9%	27.5%
10	12.1	-56.5%	18.1%
11	0.3	-58.9%	0.5%
12	11.7	-58.1%	-19.7%
13	9.2	-69.5%	-21.0%
14	0.0	-79.0%	-32.6%
15	2.0	-88.8%	-35.3%
16	0.0	-88.8%	-10.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-784OR2 (G)

Manufacturer : -

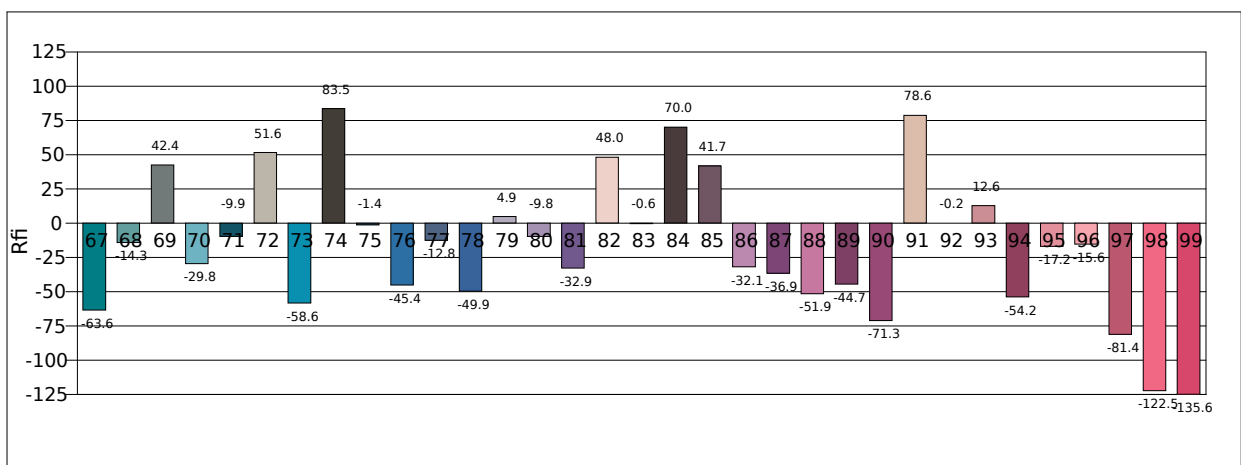
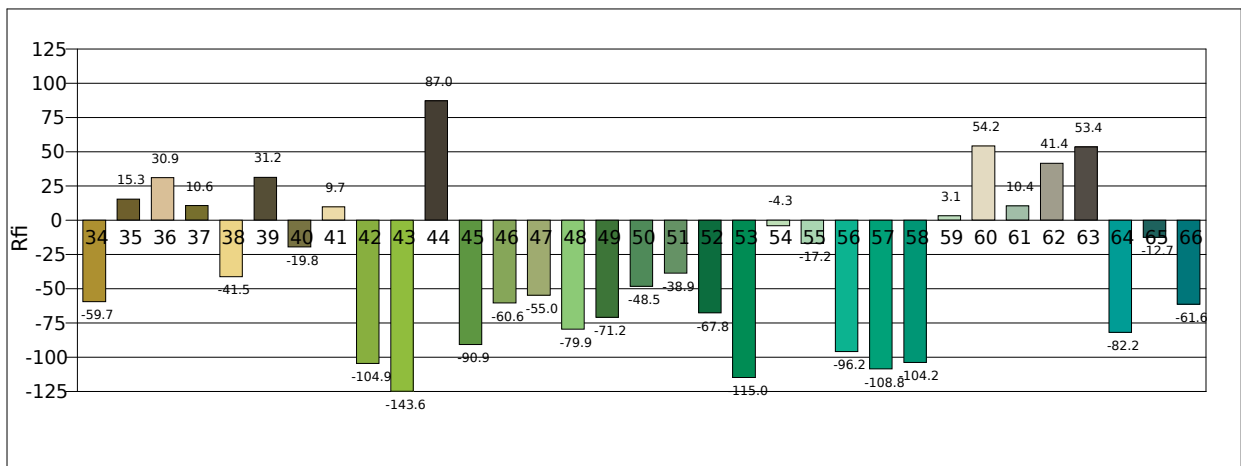
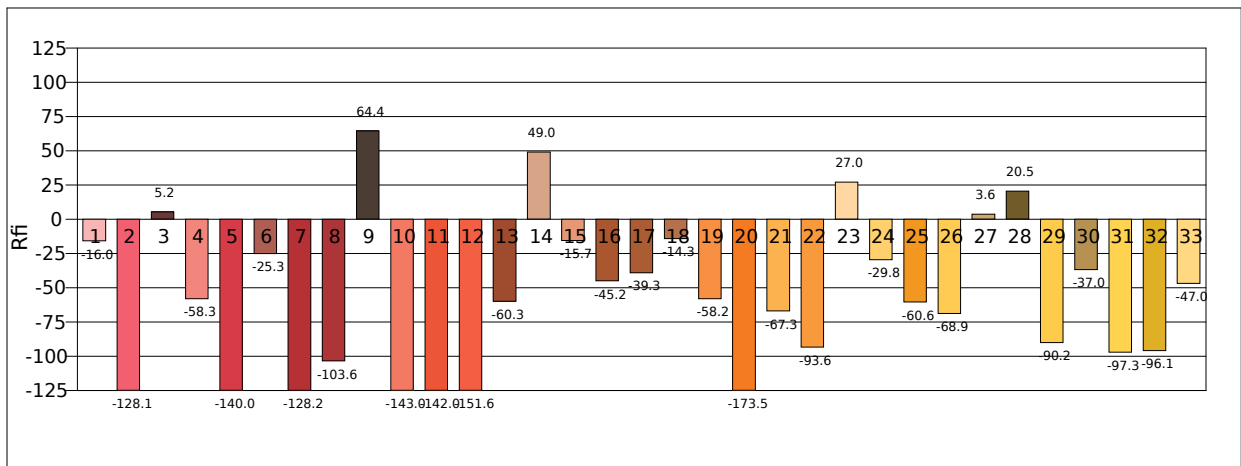
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

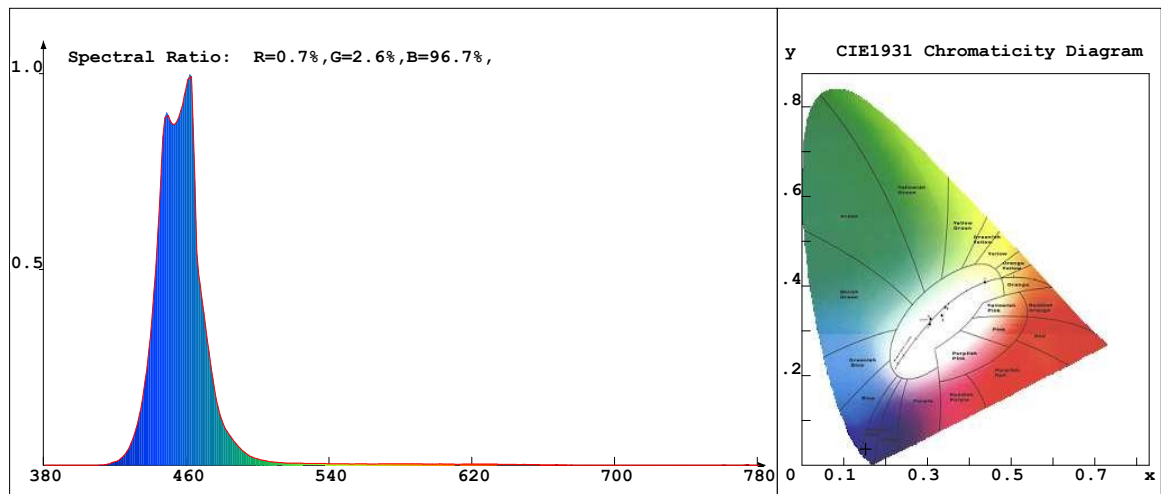
Remark :



LED Test Report

Product Mark

Product Type : ORR400-FA2-7840R2 (B) Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2026-09-01
Remark:



Chroma Parameters

Chro.Coord.:x=0.1521 y=0.0361 u=0.1945 v=0.0692 duv=-0.0622
CCT:100000K Dominant Wave.:458.3nm Purity:97.0% Centre Wave:453.8nm
Flux RGB Ratio:R=2.8%,G=21.8%,B=75.4% Peak Wave:461.7nm Half Width:23.5nm

Rendering Index:Ra=-47.2 CRI= 99.9

R1 =25 R2 =-36 R3 =-164 R4 =-93 R5 =30 R6 =-41 R7 =-59 R8 =-41
R9 =-164 R10=-230 R11=-114 R12=-98 R13=5 R14=-36 R15=32
PPF:12.784umol/s (400-700nm) PRF:3.3mW (400-700nm) PAR:2.5mW (400-700nm)

Photo Parameters

Flux:100.38lm Effi.:23.0lm/W Radiant:3338.9mW Iv:0.0mcd
Scotopic Flux:1837.7PlmEffi.:0.0Plm/W S/P:18.3
Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:12792.200umol/s (380-780nm)

Ele. Parameters

Forward Current:If=182.0mA Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.03V Reverse Current:Ir=0.00uA
Power:P=4.391W

Instrument state

Instrument:Lisun LMS-8000 Integral Time: 37.610ms VPeak: 16383
VDark: 1055 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR400-FA2-7840R2 (B) Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2026-09-01

Remark:

