

LED Test Report

Product Mark

Product Type : ORR300-F52-120512 WW

Manufacturer : -

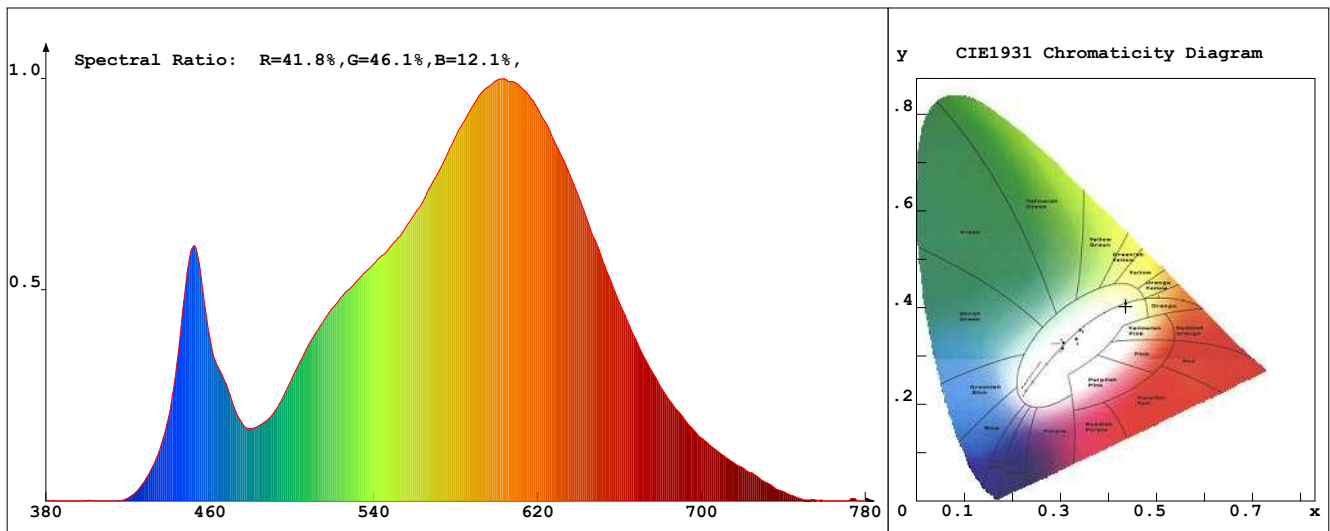
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark:



Chroma Parameters

Chro.Coor.: $x=0.4355$ $y=0.4021$ $u=0.2505$ $v=0.3469$ $duv=-0.0006$

CCT: 3008K Dominant Wave.: 583.0nm Purity: 51.4% Centre Wave: 591.5nm

Flux RGB Ratio: R=21.9%, G=76.5%, B=1.6% Peak Wave: 601.8nm Half Width: 129.6nm

Rendering Index: Ra= 81.7 CRI= 78.4

R1 =79 R2 =89 R3 =97 R4 =82 R5 =82 R6 =89 R7 =81 R8 =57

R9 =5 R10=75 R11=81 R12=68 R13=81 R14=98 R15=71

PPF: 11.082 $\mu\text{mol/s}$ (400-700nm)

PRF: 2.3mW (400-700nm)

PAR: 2.0mW (400-700nm)

Photo Parameters

Flux: 851.58lm Effi.: 89.9lm/W Radiant: 2349.8mW Iv: 0.0mcd

Scotopic Flux: 1139.3Plm Effi.: 0.0Plm/W S/P: 1.3

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 11388.000 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: $I_f=394.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$ Forward Voltage: $V_f=24.04\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$ Power: $P=9.49\text{W}$

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 168.041ms

VPeak: 11800

VDark: 1317

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-120512 WW

Temperature : 'C

Operator : -

Remark:

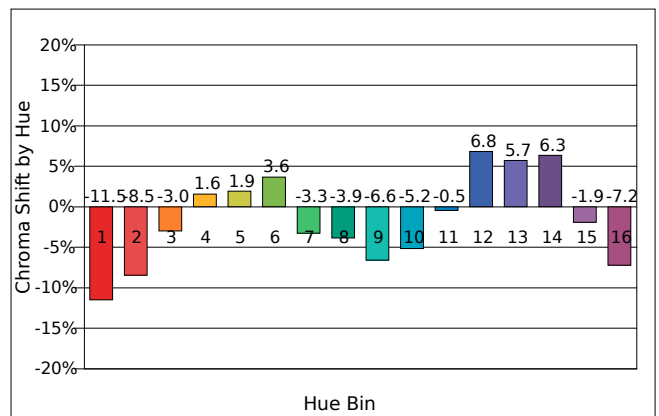
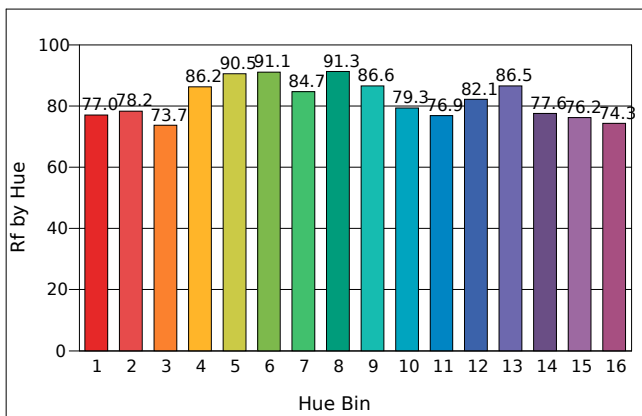
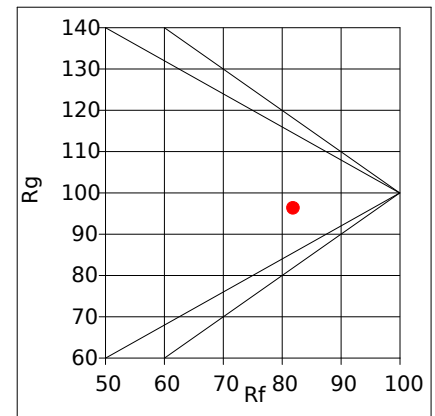
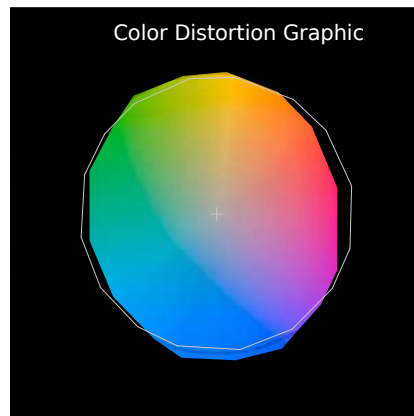
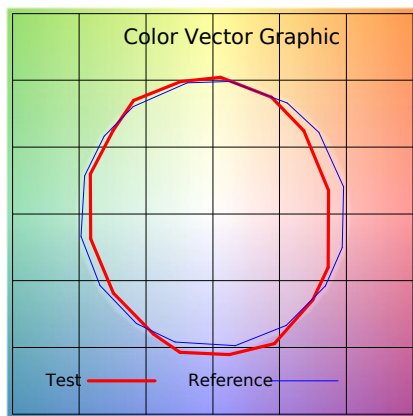
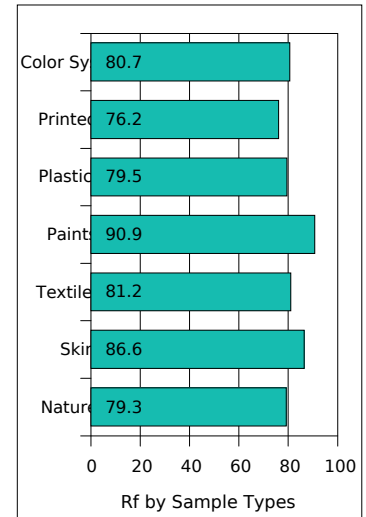
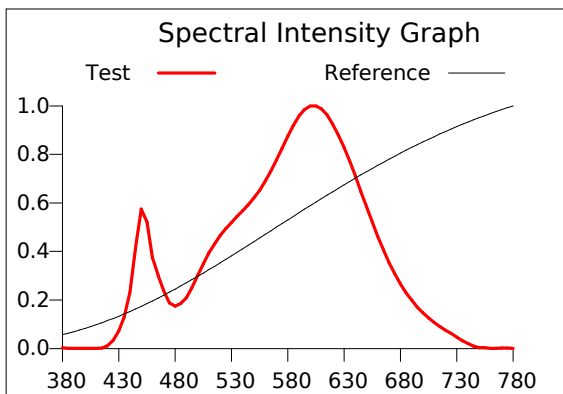
Manufacturer : -

Humidity : -%

Test Date : 02-07-2026

Rf: 81.9 CCT(K): 3008 u': 0.2505
 Rg: 96.3 LER: 333.0 Duv: -0.0006 v': 0.3469

Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	77.0	-11.5%	-0.6%
2	78.2	-8.5%	7.2%
3	73.7	-3.0%	12.1%
4	86.2	1.6%	7.7%
5	90.5	1.9%	4.4%
6	91.1	3.6%	-2.8%
7	84.7	-3.3%	-7.5%
8	91.3	-3.9%	-2.3%
9	86.6	-6.6%	3.0%
10	79.3	-5.2%	10.6%
11	76.9	-0.5%	15.0%
12	82.1	6.8%	4.9%
13	86.5	5.7%	-5.9%
14	77.6	6.3%	-15.0%
15	76.2	-1.9%	-13.8%
16	74.3	-7.2%	-16.6%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-120512 WW

Manufacturer : -

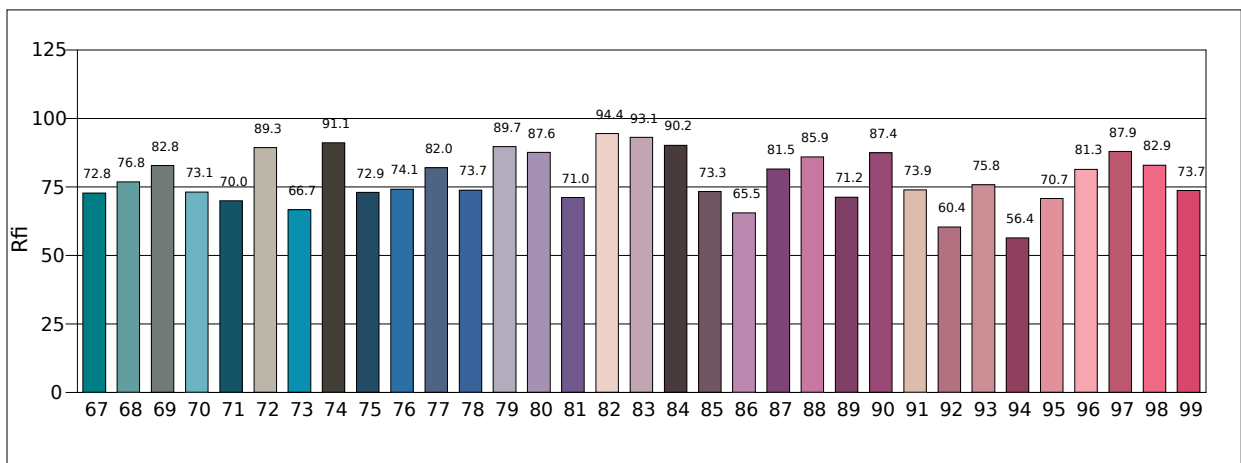
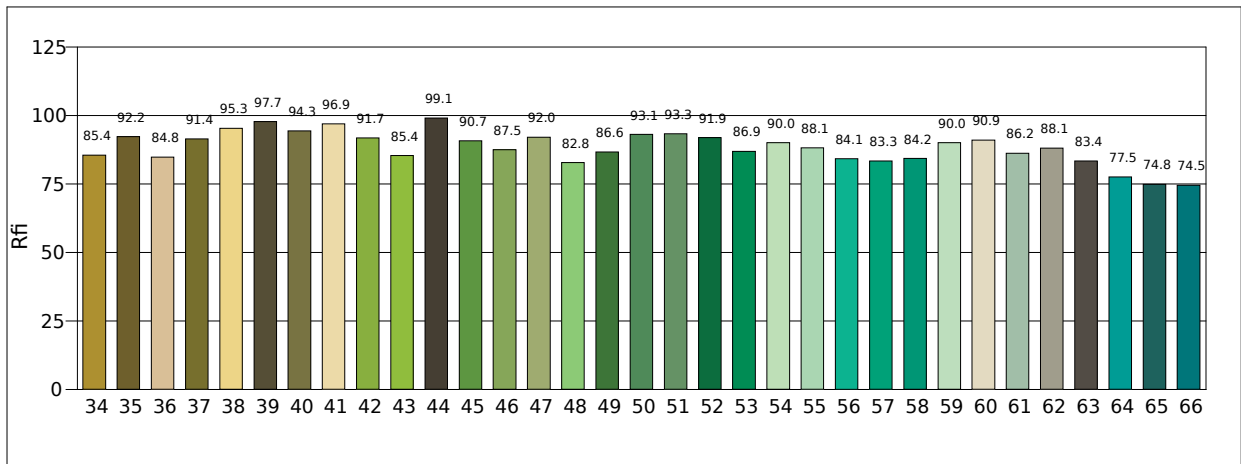
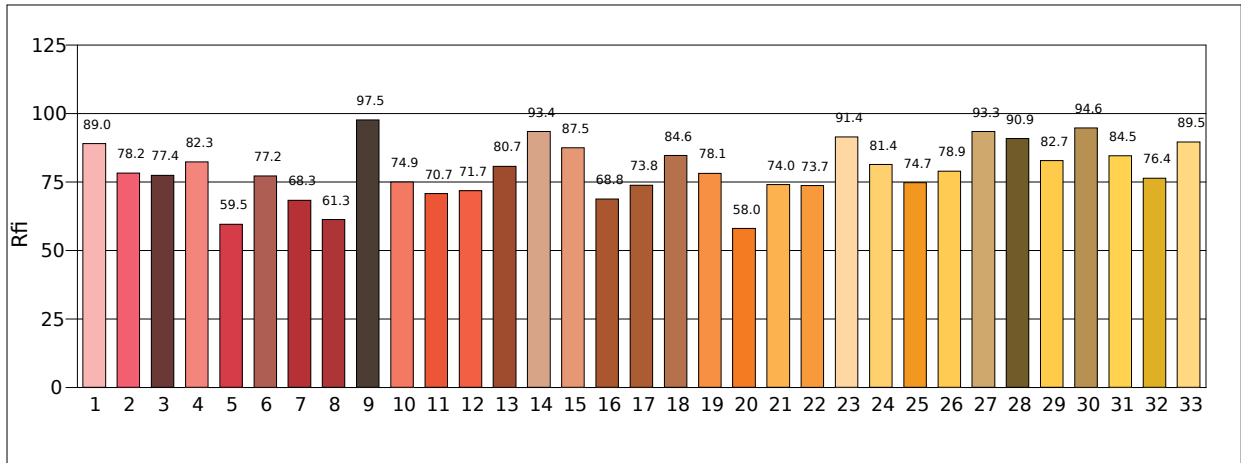
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark:



LED Test Report

Product Mark

Product Type : ORR300-F52-120512 R

Manufacturer : -

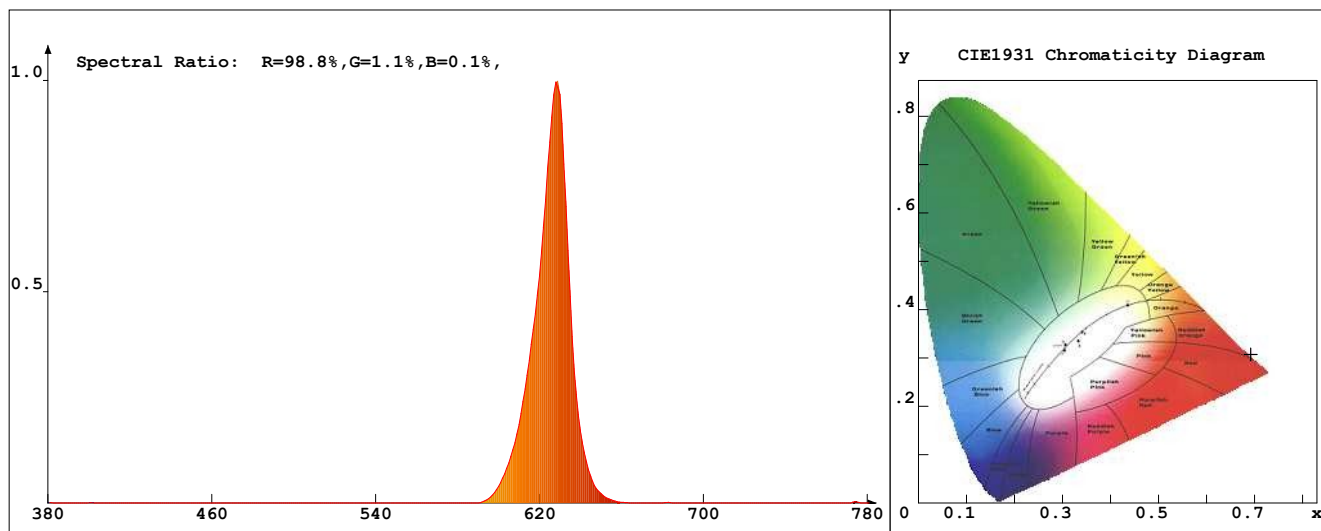
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark:



Chroma Parameters

Chro.Coor.:x=0.6921 y=0.3074 u=0.5219 v=0.3477 duv=-0.0007

CCT: 1325K Dominant Wave.:620.5nm Purity:99.9% Centre Wave:626.0nm

Flux RGB Ratio:R=97.8%,G=2.2%,B=0.0% Peak Wave:627.5nm Half Width:15.7nm

Rendering Index:Ra=-21.2 CRI=106.4

R1 =-50 R2 =50 R3 =12 R4 =-72 R5 =-36 R6 =62 R7 =-16 R8 =-118

R9 =-348 R10=35 R11=-84 R12=28 R13=-24 R14=42 R15=-87

PPF:2.949umol/s (400-700nm)

PRF:0.6mW (400-700nm)

PAR:0.6mW (400-700nm)

Photo Parameters

Flux:133.50lm Effi.:30.0lm/W Radiant:565.6mW Iv:0.0mcd

Scotopic Flux:7.1Plm Effi.:0.0Plm/W S/P:0.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2952.970umol/s (380-780nm)

Ele. Parameters

Forward Current:If=185.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.04V

Reverse Current:Ir=0.00uA

Power:P=4.461W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 103.709ms

VPeak: 13400

VDark: 1428

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-120512 R

Temperature : 'C

Operator : -

Remark:

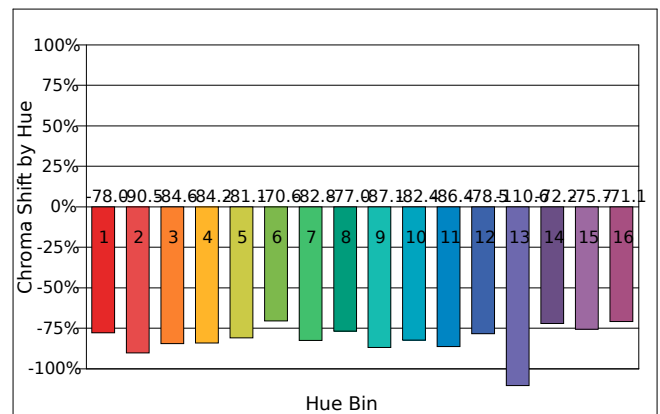
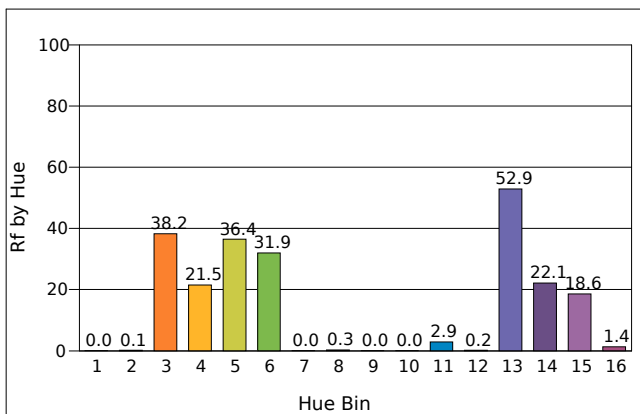
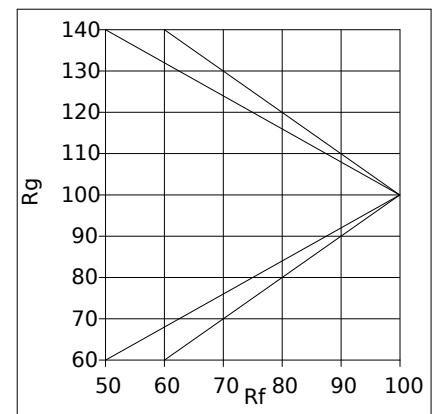
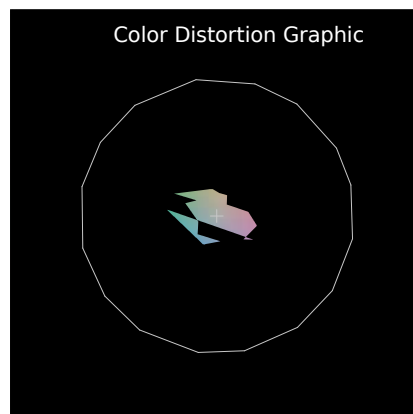
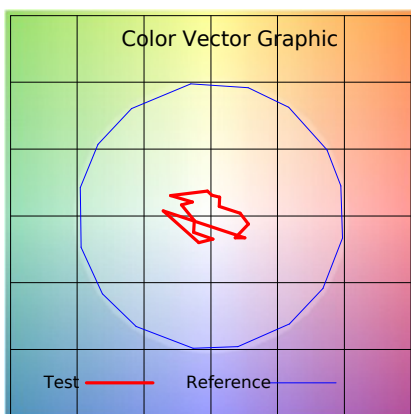
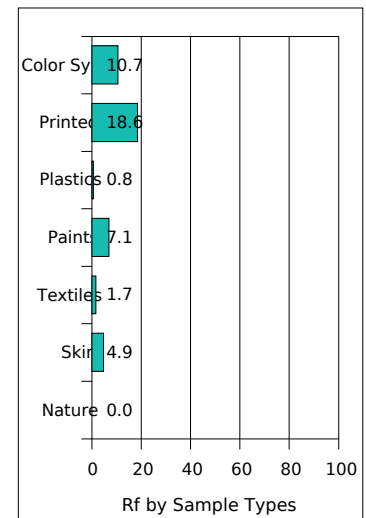
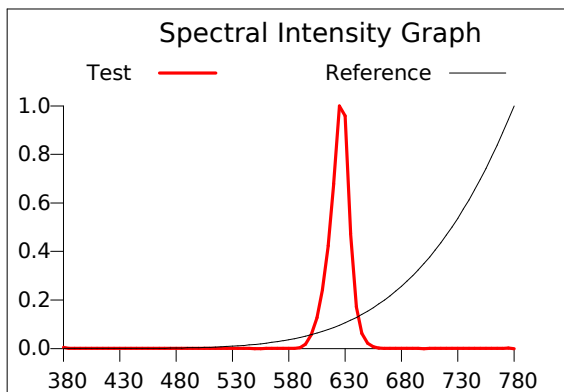
Manufacturer : -

Humidity : -%

Test Date : 02-07-2026

Rf: 0.8 CCT(K): 1325 u': 0.5219
 Rg: 2.7 LER: 225.9 Duv: -0.0007 v': 0.3477

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-78.0%	-5.3%
2	0.1	-90.5%	10.0%
3	38.2	-84.6%	5.6%
4	21.5	-84.2%	10.8%
5	36.4	-81.1%	3.4%
6	31.9	-70.6%	11.8%
7	0.0	-82.8%	-3.4%
8	0.3	-77.0%	-2.0%
9	0.0	-87.1%	-3.1%
10	0.0	-82.4%	-0.3%
11	2.9	-86.4%	11.6%
12	0.2	-78.5%	-11.1%
13	52.9	-110.6%	-34.8%
14	22.1	-72.2%	8.3%
15	18.6	-75.7%	-5.1%
16	1.4	-71.1%	-3.4%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-120512 R

Manufacturer : -

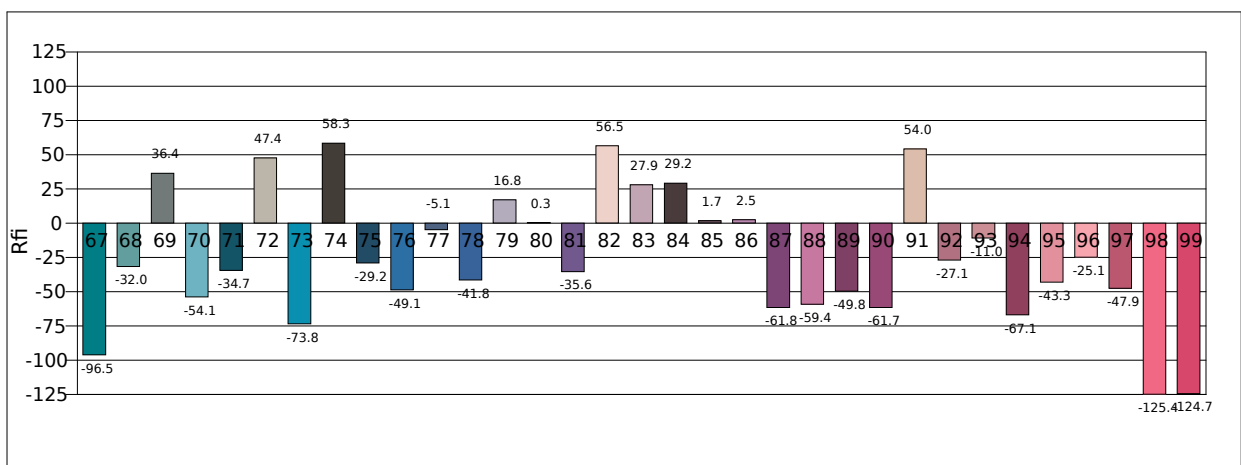
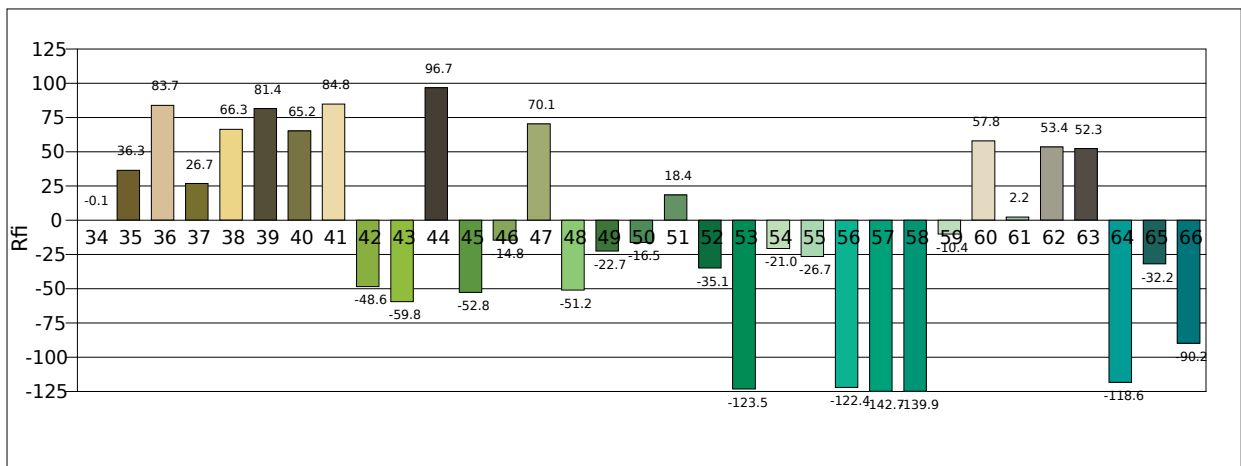
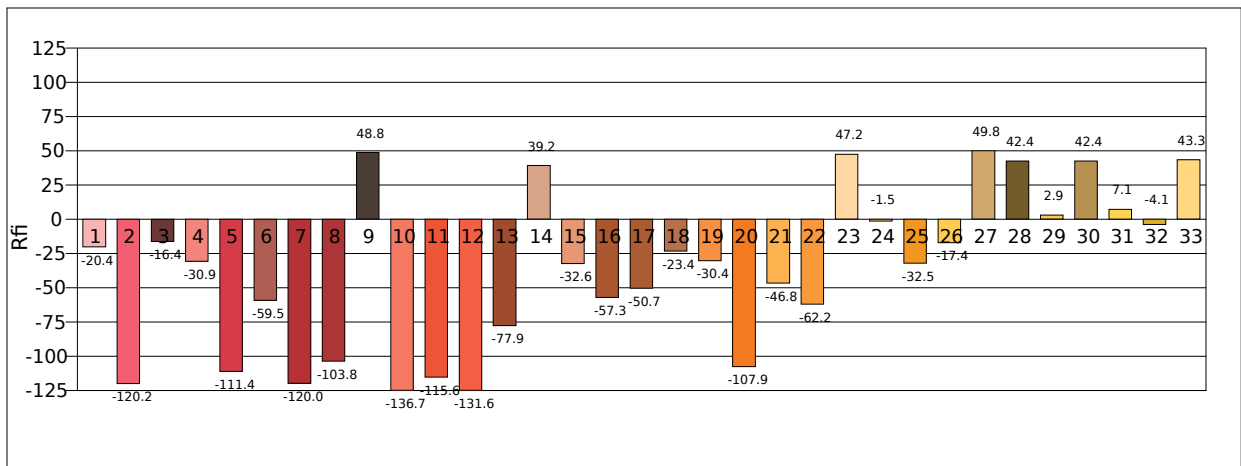
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark:



LED Test Report

Product Mark

Product Type : ORR300-F52-120512 G

Manufacturer : -

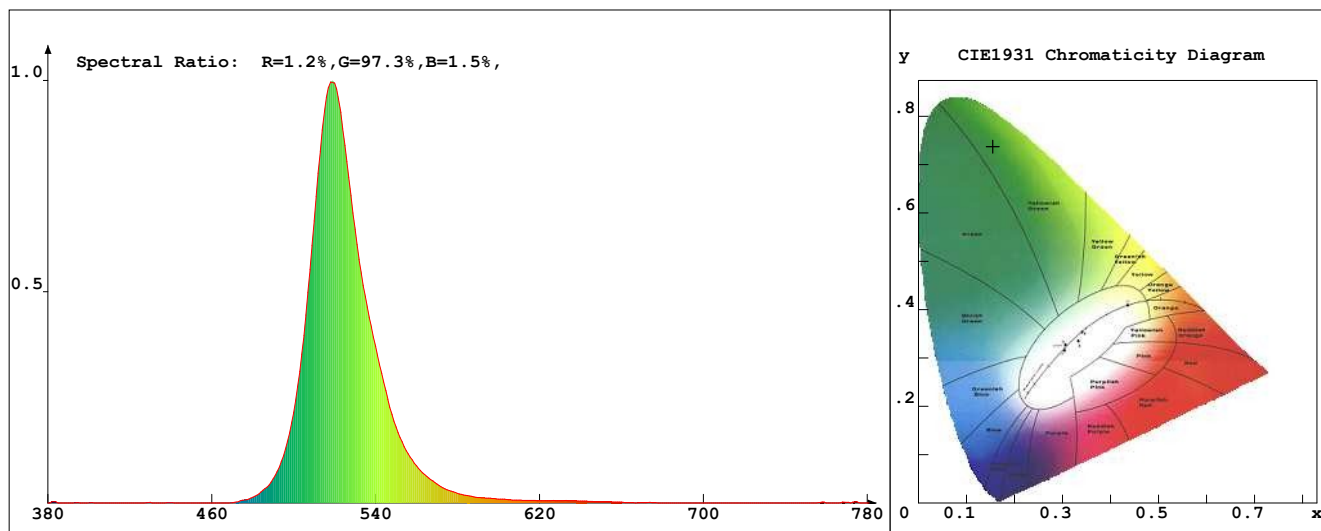
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark:



Chroma Parameters

Chro.Coord.: x=0.1552 y=0.7374 u=0.0538 v=0.3834 duv=0.1630

CCT: 8046K Dominant Wave.: 525.3nm Purity: 82.2% Centre Wave: 519.7nm

Flux RGB Ratio: R=0.5%, G=99.2%, B=0.3% Peak Wave: 517.6nm Half Width: 27.3nm

Rendering Index: Ra=-29.6 CRI=102.8

R1 =-33 R2 =-15 R3 =-38 R4 =-71 R5 =-9 R6 =-22 R7 =-15 R8 =-33

R9 =-344 R10=-122 R11=-100 R12=-41 R13=-42 R14=31 R15=-31

PPF: 3.940umol/s (400-700nm)

PRF: 0.9mW (400-700nm)

PAR: 0.7mW (400-700nm)

Photo Parameters

Flux: 490.26lm Effi.: 100.1lm/W Radiant: 900.1mW Iv: 0.0mcd

Scotopic Flux: 1452.6Plm Effi.: 0.0Plm/W S/P: 3.0

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 3947.740umol/s (380-780nm)

Ele. Parameters

Forward Current: If=204.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=24.00V

Reverse Current: Ir=0.00uA

Power: P=4.921W

Instrument state

Instrument: Lisun LMS-8000

Integral Time: 103.709ms

VPeak: 13912

VDark: 1447

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-120512 G

Temperature : 'C

Operator : -

Remark:

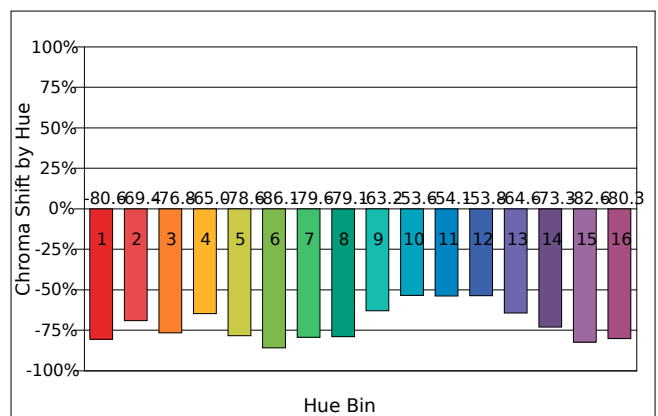
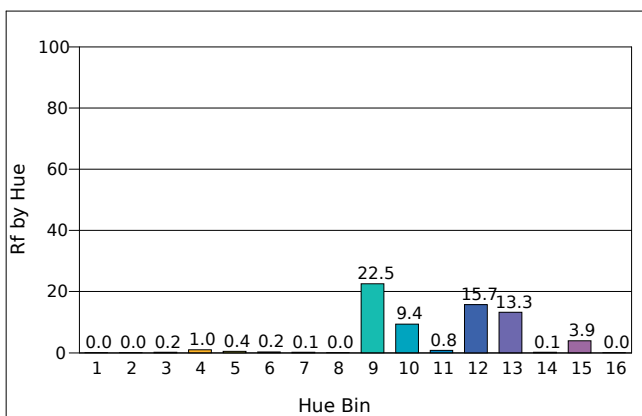
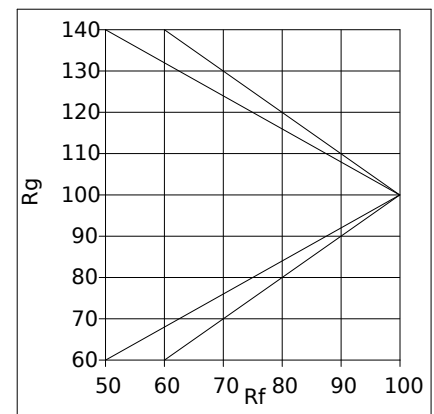
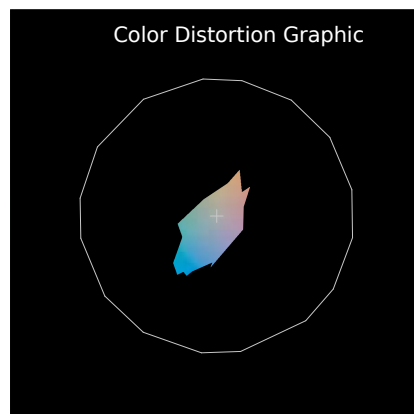
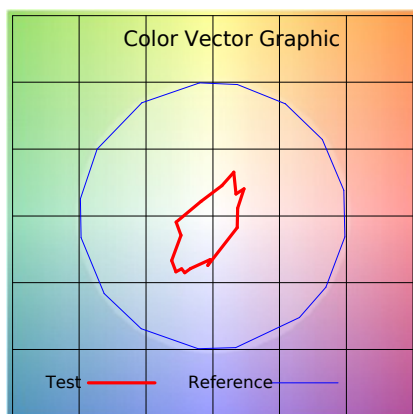
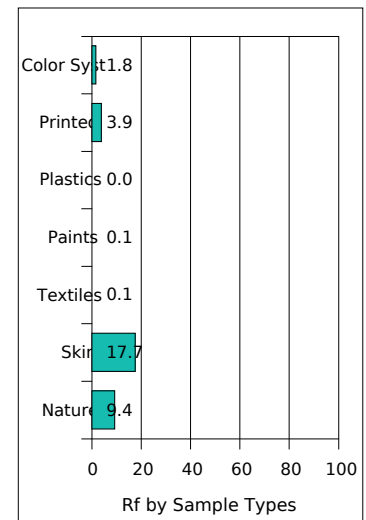
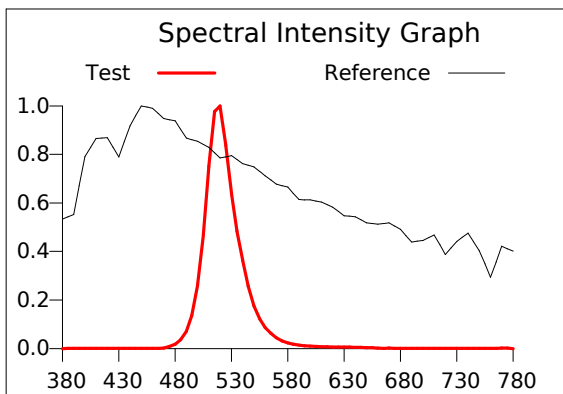
Manufacturer : -

Humidity : -%

Test Date : 02-07-2026

Rf: 0.5 CCT(K): 8046 u': 0.0538
 Rg: 6.5 LER: 475.9 Duv: 0.1630 v': 0.3834

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-80.6%	2.3%
2	0.0	-69.4%	2.1%
3	0.2	-76.8%	-6.9%
4	1.0	-65.0%	-10.2%
5	0.4	-78.6%	-1.4%
6	0.2	-86.1%	4.1%
7	0.1	-79.6%	12.6%
8	0.0	-79.1%	12.1%
9	22.5	-63.2%	30.1%
10	9.4	-53.6%	16.3%
11	0.8	-54.1%	0.1%
12	15.7	-53.8%	-20.6%
13	13.3	-64.6%	-21.7%
14	0.1	-73.3%	-31.5%
15	3.9	-82.6%	-35.6%
16	0.0	-80.3%	-9.1%



IES TM-30-2015 Test Report

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Product Type : ORR300-F52-120512 G

Manufacturer : -

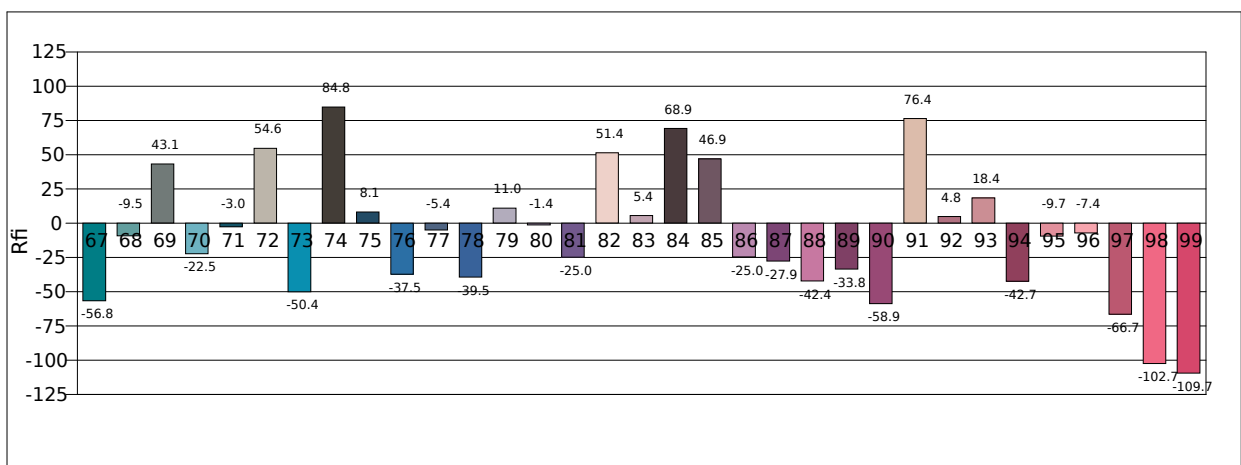
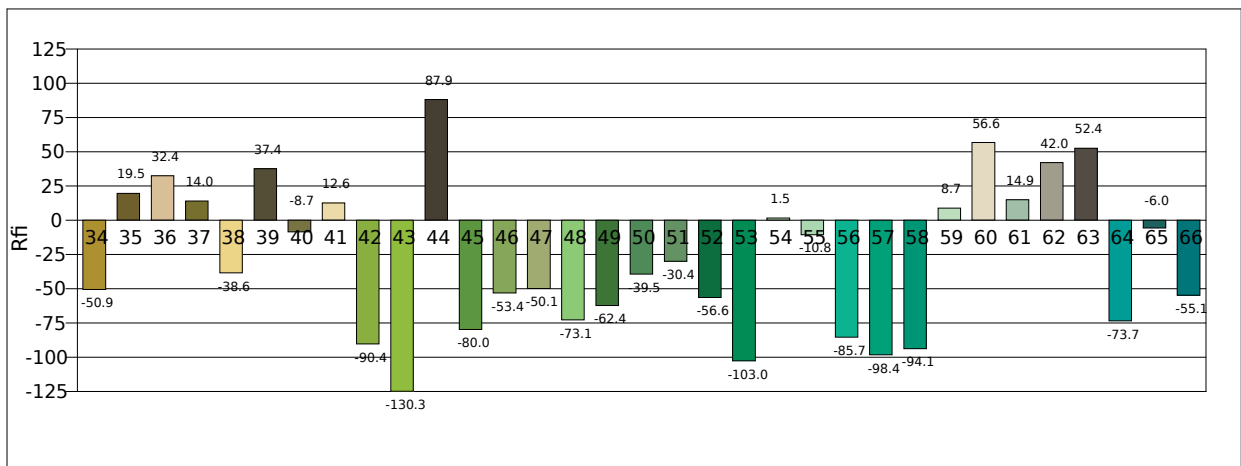
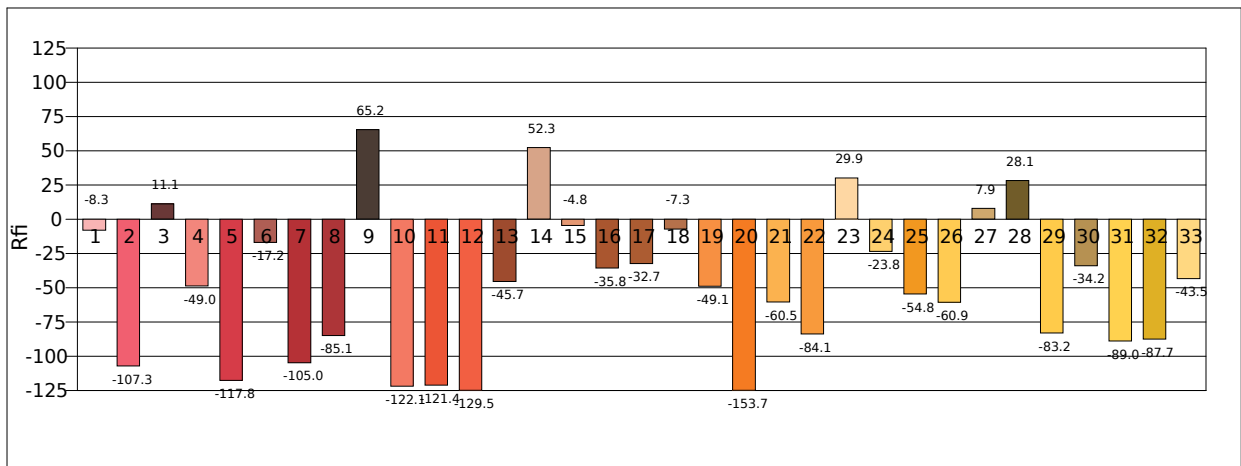
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark :



LED Test Report

Product Mark

Product Type : ORR300-F52-120512 B

Manufacturer : -

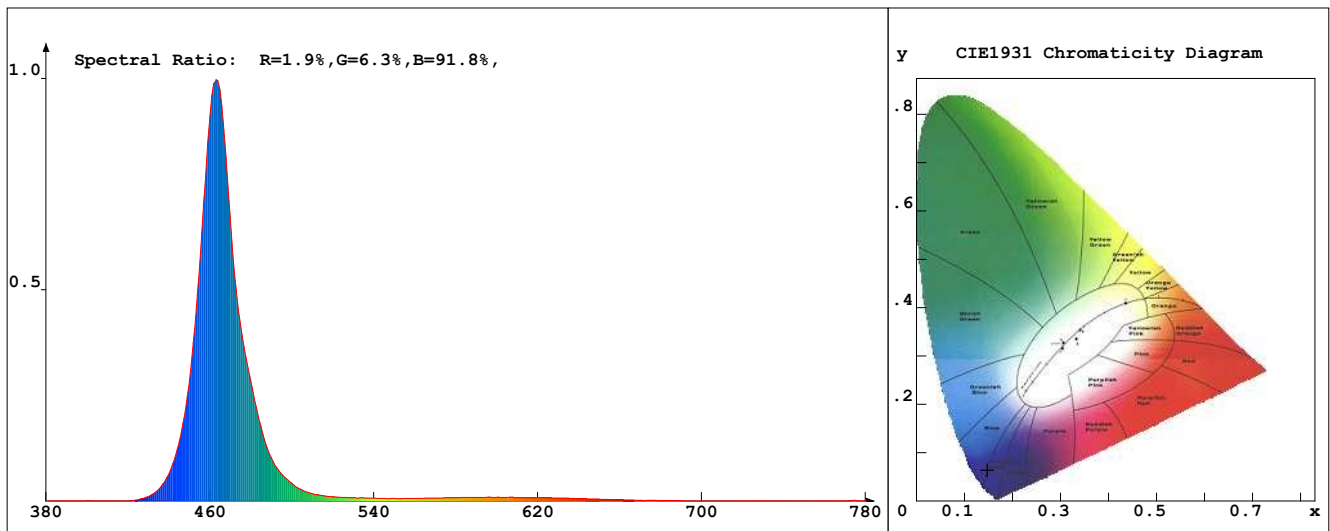
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 02-07-2026

Remark:



Chroma Parameters

Chro.Coor.: $x=0.1474$ $y=0.0640$ $u=0.1698$ $v=0.1106$ $duv=-0.0280$

CCT:100000K Dominant Wave.:466.2nm Purity:92.9% Centre Wave:462.6nm

Flux RGB Ratio:R=4.9%,G=31.3%,B=63.8% Peak Wave:461.7nm Half Width:18.7nm

Rendering Index:Ra=-29.2 CRI= 83.6

R1 =53 R2 =-27 R3 =-148 R4 =-66 R5 =55 R6 =-26 R7 =-47 R8 =-27

R9 =-76 R10=-220 R11=-81 R12=-67 R13=23 R14=-29 R15=45

PPF:5.065umol/s (400-700nm)

PRF:1.3mW (400-700nm)

PAR:0.9mW (400-700nm)

Photo Parameters

Flux:115.49lm Effi.:24.2lm/W Radiant:1289.6mW Iv:0.0mcd

Scotopic Flux:1575.7Plm Effi.:0.0Plm/W S/P:13.6

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:5071.740umol/s (380-780nm)

Ele. Parameters

Forward Current:If=199.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.02V

Reverse Current:Ir=0.00uA

Power:P=4.801W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 78.997ms

VPeak: 15736

VDark: 1423

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-120512 B

Temperature : 'C

Operator : -

Remark:

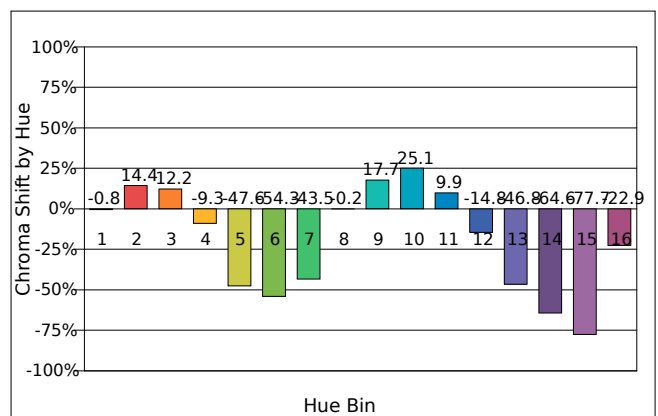
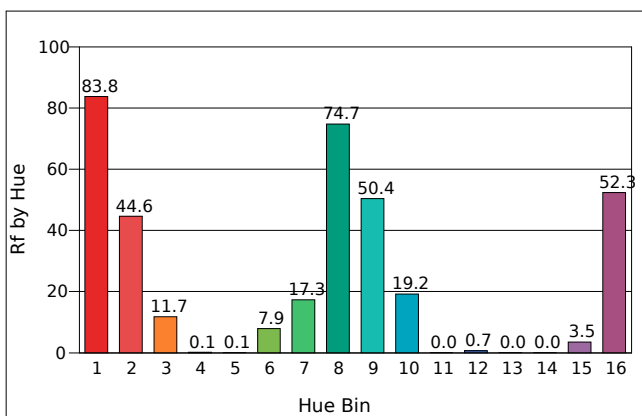
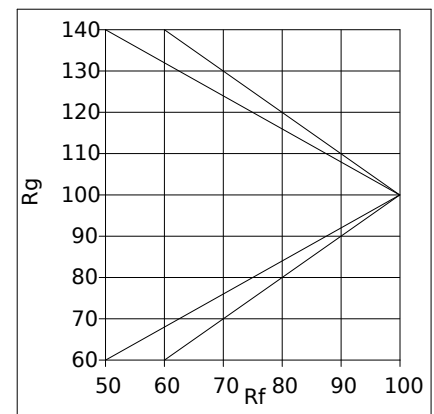
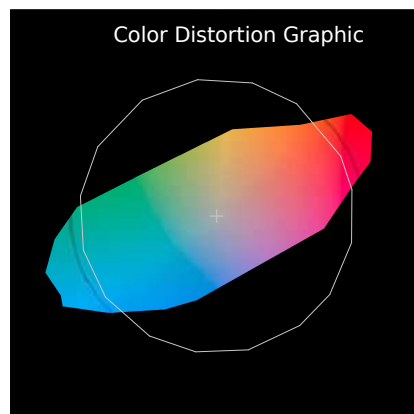
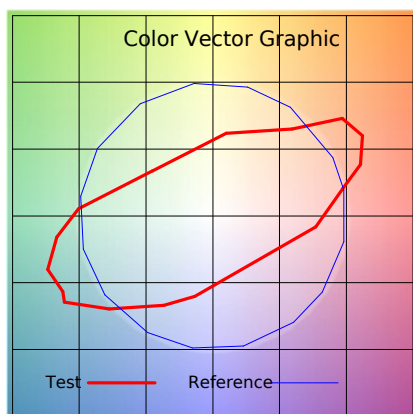
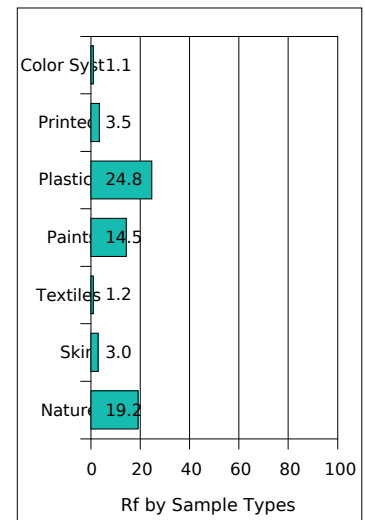
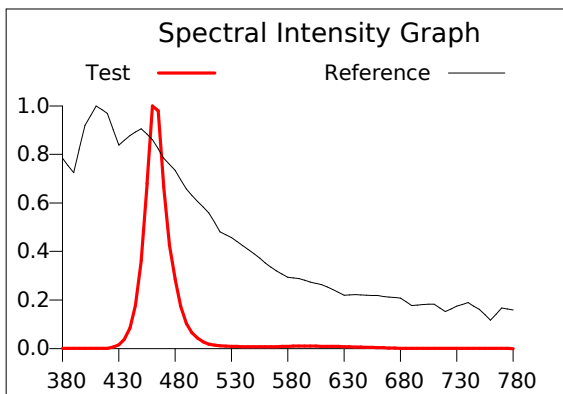
Manufacturer : -

Humidity : -%

Test Date : 02-07-2026

Rf: 9.5 CCT(K): 100000u': 0.1698
 Rg: 62.9 LER: 74.8 Duv: -0.0280 v': 0.1106

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	83.8	-0.8%	1.2%
2	44.6	14.4%	-15.6%
3	11.7	12.2%	-56.7%
4	0.1	-9.3%	-74.1%
5	0.1	-47.6%	-65.4%
6	7.9	-54.3%	-41.2%
7	17.3	-43.5%	-9.0%
8	74.7	-0.2%	9.5%
9	50.4	17.7%	-12.7%
10	19.2	25.1%	-39.3%
11	0.0	9.9%	-69.9%
12	0.7	-14.8%	-100.6%
13	0.0	-46.8%	-93.0%
14	0.0	-64.6%	-73.6%
15	3.5	-77.7%	-56.0%
16	52.3	-22.9%	6.9%



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Product Mark

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Manufacturer : -

Temperature : 'C

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Remark :

