

LED Test Report

Product Mark

Product Type : ORR300-F52-784OR2 RGB 50cm Manufacturer : -

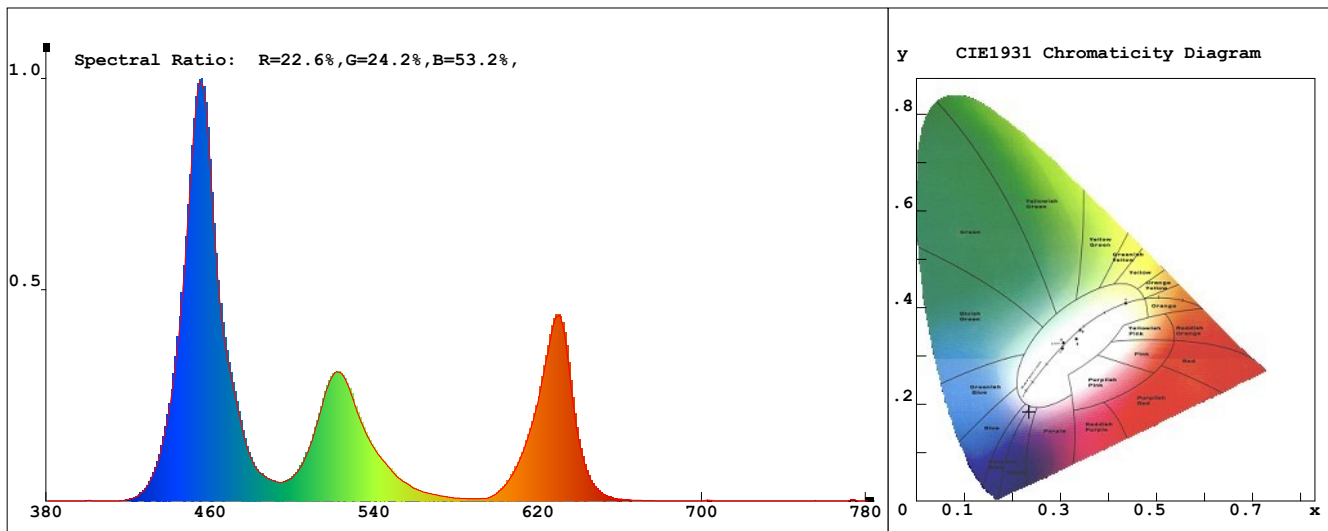
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.2341 y=0.1843 u=0.1974 v=0.2331 duv=-0.0244

CCT:100000K Dominant Wave.:464.3nm Purity:50.5% Centre Wave:454.6nm

Flux RGB Ratio:R=24.9%,G=64.4%,B=10.7% Peak Wave:454.8nm Half Width:17.5nm

Rendering Index:Ra= 42.2 CRI= 79.6

R1 =12 R2 =50 R3 =84 R4 =37 R5 =39 R6 =51 R7 =70 R8 =-4

R9 =-254 R10=-7 R11=15 R12=56 R13=16 R14=82 R15=-13

PPF:6.265umol/s (400-700nm)

PRF:1.5mW (400-700nm)

PAR:1.2mW (400-700nm)

Photo Parameters

Flux:306.54lm Effi.:43.2lm/W Radiant:1466.2mW Iv:0.0mcd

Scotopic Flux:1303.9Plm Effi.:0.0Plm/W S/P:4.3

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:6272.470umol/s (380-780nm)

Ele. Parameters

Forward Current:If=295.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=24.03V

Reverse Current:Ir=0.00uA

Power:P=7.091W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 70.815ms

VPeak: 12008

VDark: 1222

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 RGB

Temperature : 'C

Operator : -

Remark:

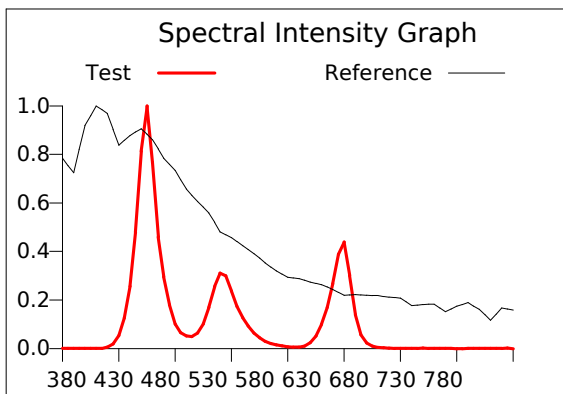
Manufacturer : -

Humidity : -%

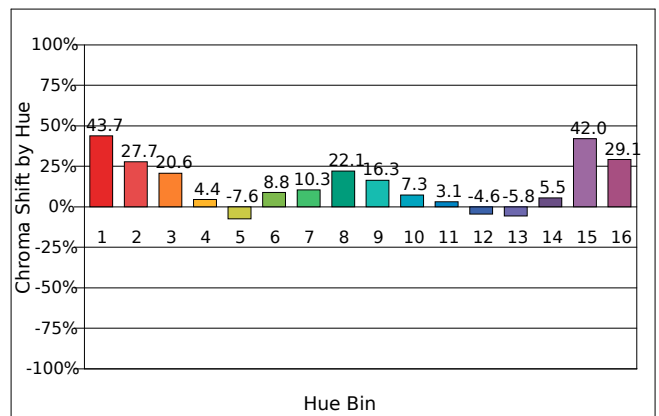
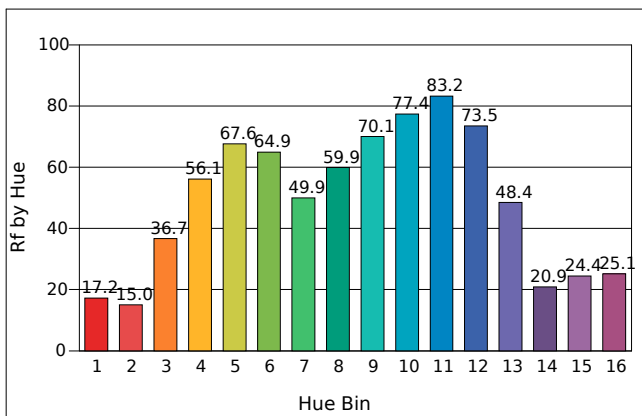
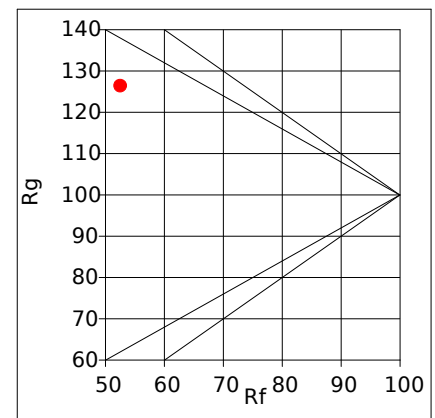
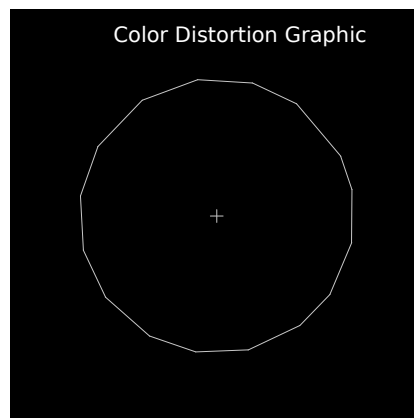
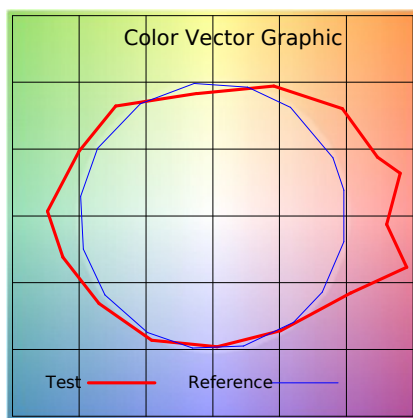
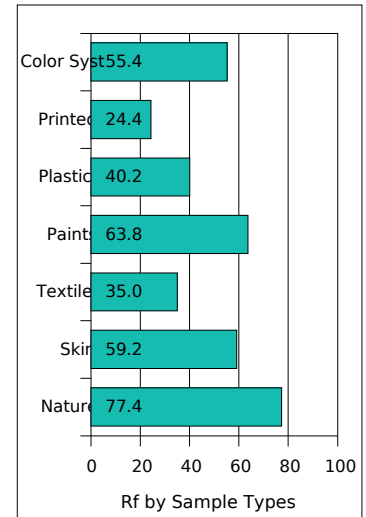
Test Date : 2025-03-20

Rf: 52.5 CCT(K): 100000u': 0.1974

Rg: 126.4 LER: 189.6uv: -0.0244 v': 0.2331



Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	17.2	43.7%	4.3%
2	15.0	27.7%	-18.0%
3	36.7	20.6%	-32.8%
4	56.1	4.4%	-19.1%
5	67.6	-7.6%	-0.7%
6	64.9	8.8%	16.5%
7	49.9	10.3%	9.5%
8	59.9	22.1%	15.7%
9	70.1	16.3%	3.0%
10	77.4	7.3%	3.0%
11	83.2	3.1%	5.7%
12	73.5	-4.6%	18.0%
13	48.4	-5.8%	29.6%
14	20.9	5.5%	48.0%
15	24.4	42.0%	50.3%
16	25.1	29.1%	19.0%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 RGB

Manufacturer : -

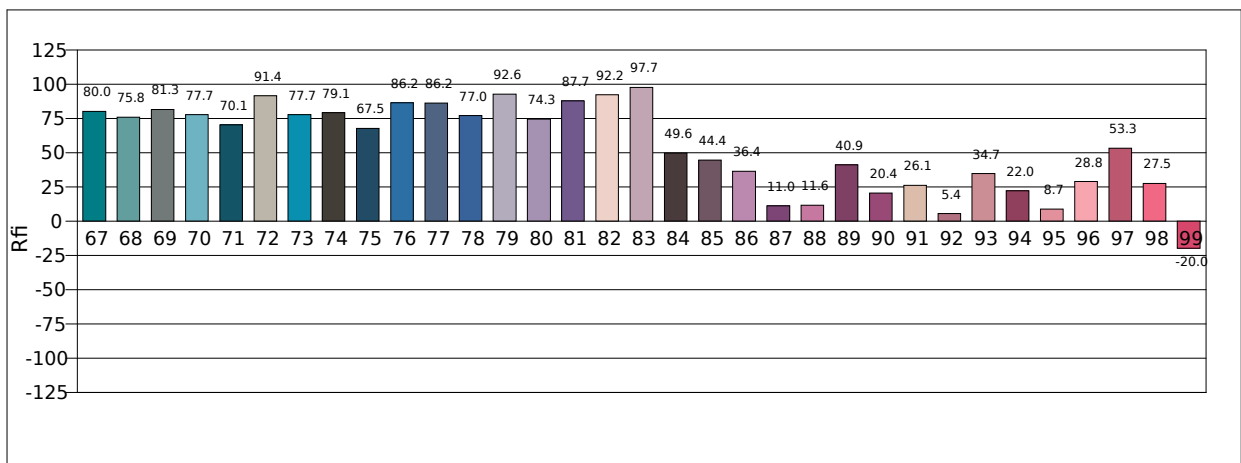
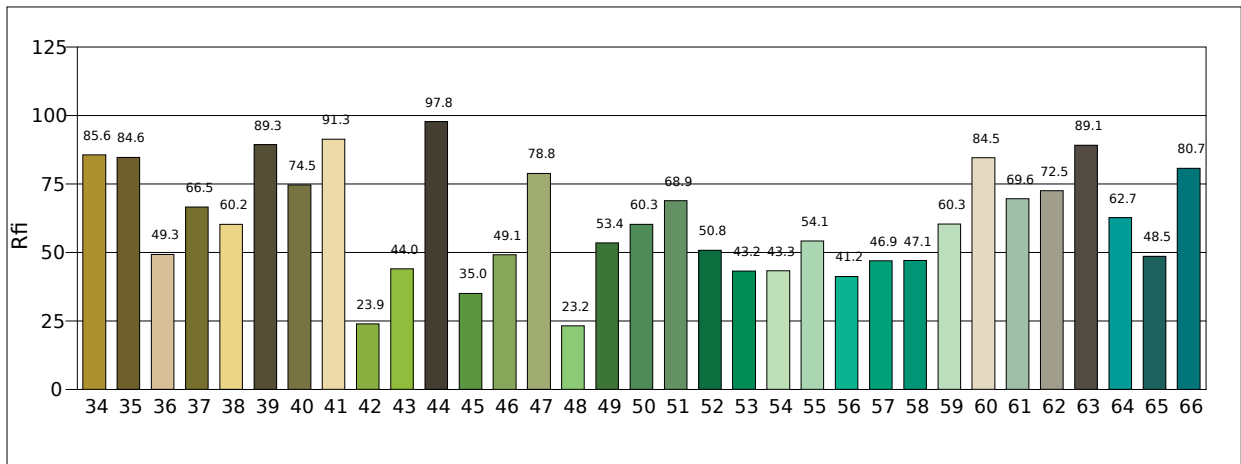
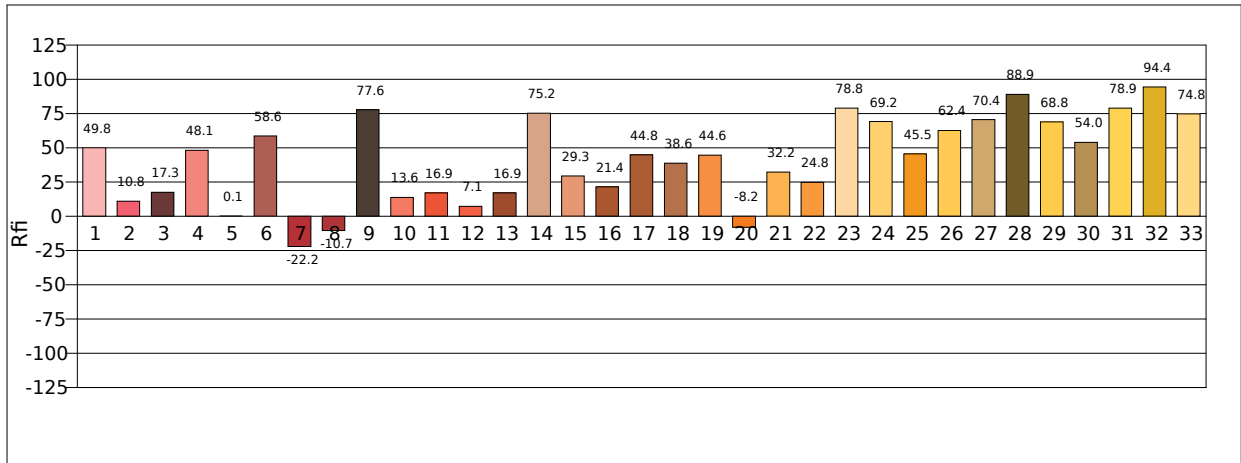
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

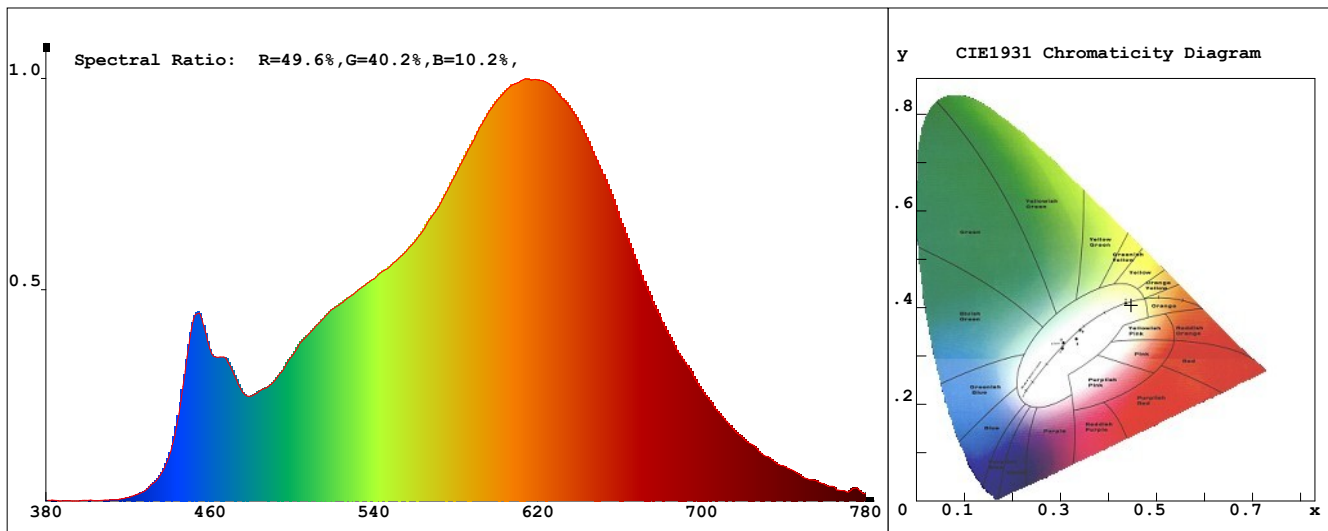
Remark :



LED Test Report

Product Mark

Product Type : ORR300-F52-784OR2 WW 50cm Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2025-03-20
Remark:



Chroma Parameters

Chro.Coord.:x=0.4473 y=0.4048 u=0.2570 v=0.3488 duv=-0.0010
CCT: 2838K Dominant Wave.:583.9nm Purity:55.8% Centre Wave:602.5nm
Flux RGB Ratio:R=24.5%,G=73.6%,B=1.9% Peak Wave:618.5nm Half Width:139.9nm

Rendering Index:Ra= 91.1 CRI= 89.4

R1 =92	R2 =98	R3 =96	R4 =91	R5 =93	R6 =96	R7 =88	R8 =75
R9 =48	R10=96	R11=93	R12=84	R13=94	R14=99	R15=86	
PPF:3.237umol/s (400-700nm)			PRF:0.7mW (400-700nm)			PAR:0.6mW (400-700nm)	

Photo Parameters

Flux:210.96lm Effi.:76.4lm/W Radiant:695.3mW Iv:0.0mcd
Scotopic Flux:290.4Plm Effi.:0.0Plm/W S/P:1.4
Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:3441.380umol/s (380-780nm)

Ele. Parameters

Forward Current:If=115.0mA Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.02V Reverse Current:Ir=0.00uA
Power:P=2.780W

Instrument state

Instrument:Lisun LMS-8000	Integral Time: 708.157ms	VPeak: 13592
VDark: 1346	Scan Range: 380-780nm	Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 WW

Temperature : 'C

Operator : -

Remark:

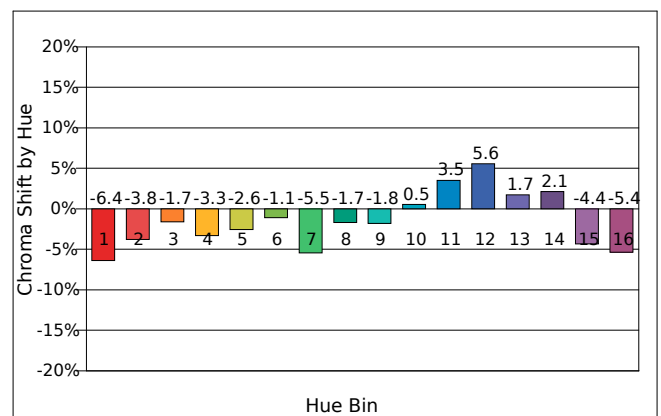
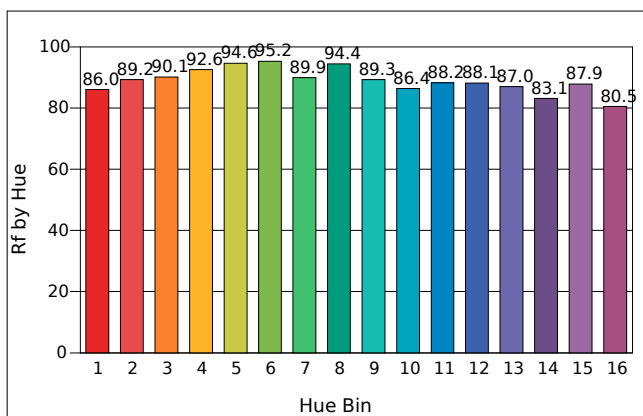
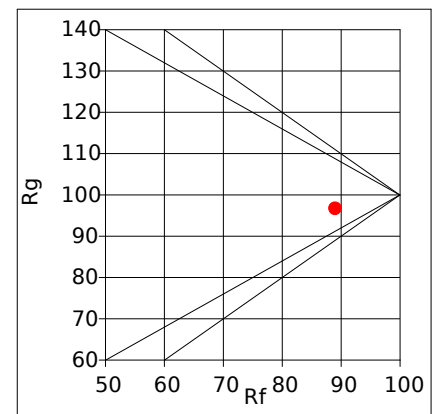
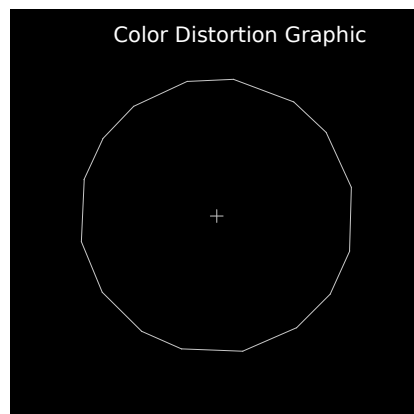
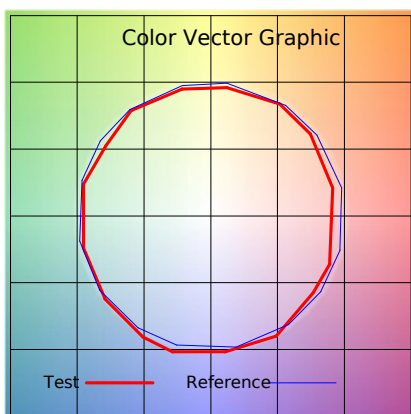
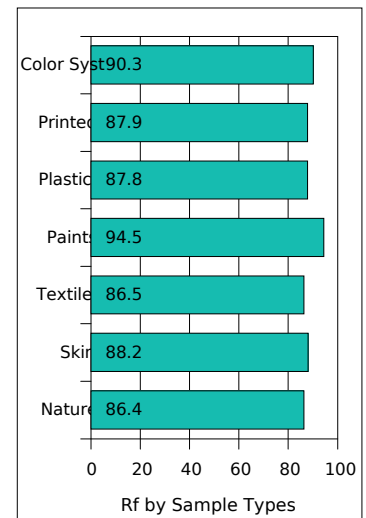
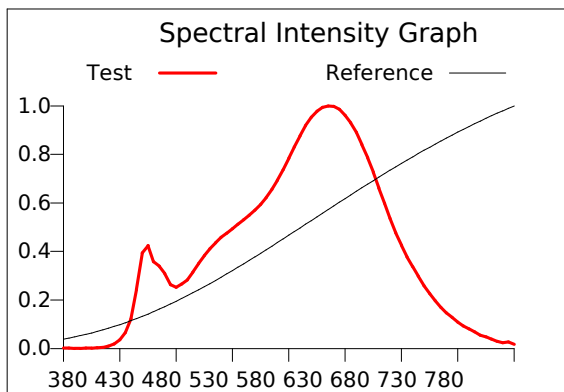
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 89.0 CCT(K): 2838 u': 0.2570
 Rg: 96.7 LER: 297.2 Duv: -0.0010 v': 0.3488

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	86.0	-6.4%	1.5%
2	89.2	-3.8%	3.3%
3	90.1	-1.7%	4.1%
4	92.6	-3.3%	-0.6%
5	94.6	-2.6%	0.9%
6	95.2	-1.1%	-0.3%
7	89.9	-5.5%	0.8%
8	94.4	-1.7%	2.4%
9	89.3	-1.8%	5.7%
10	86.4	0.5%	7.8%
11	88.2	3.5%	7.1%
12	88.1	5.6%	-2.2%
13	87.0	1.7%	-8.9%
14	83.1	2.1%	-12.3%
15	87.9	-4.4%	-4.0%
16	80.5	-5.4%	-11.9%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 WW

Manufacturer : -

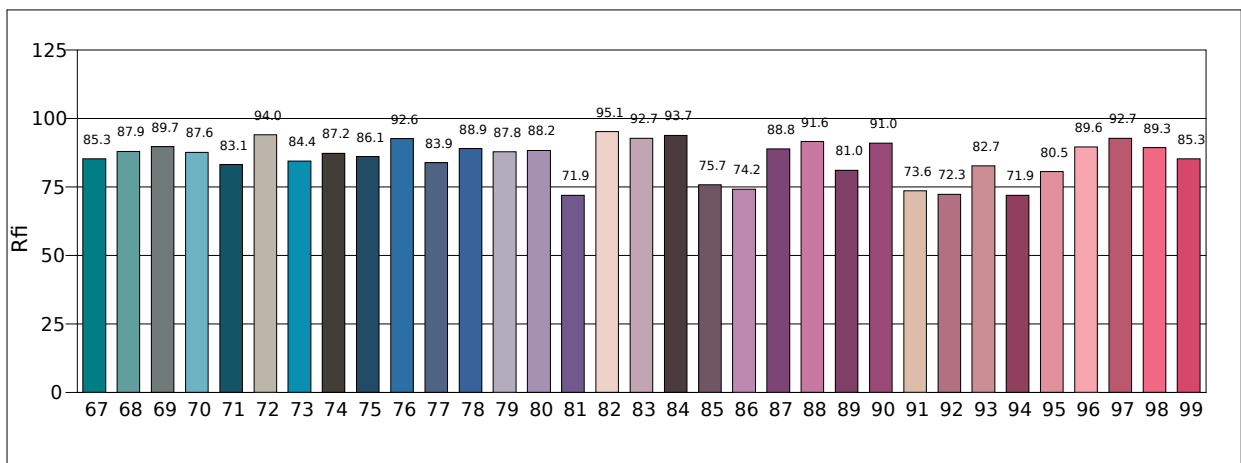
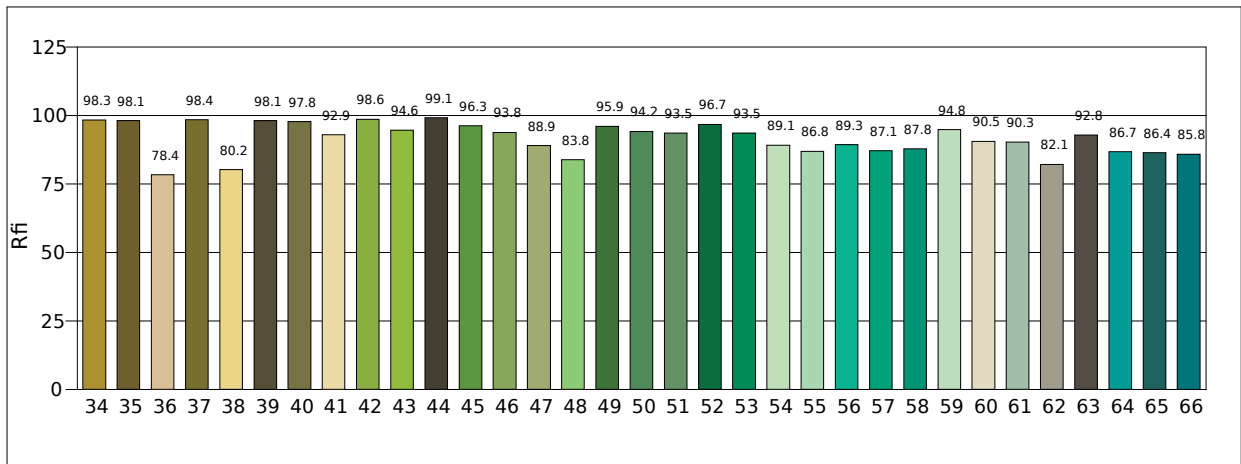
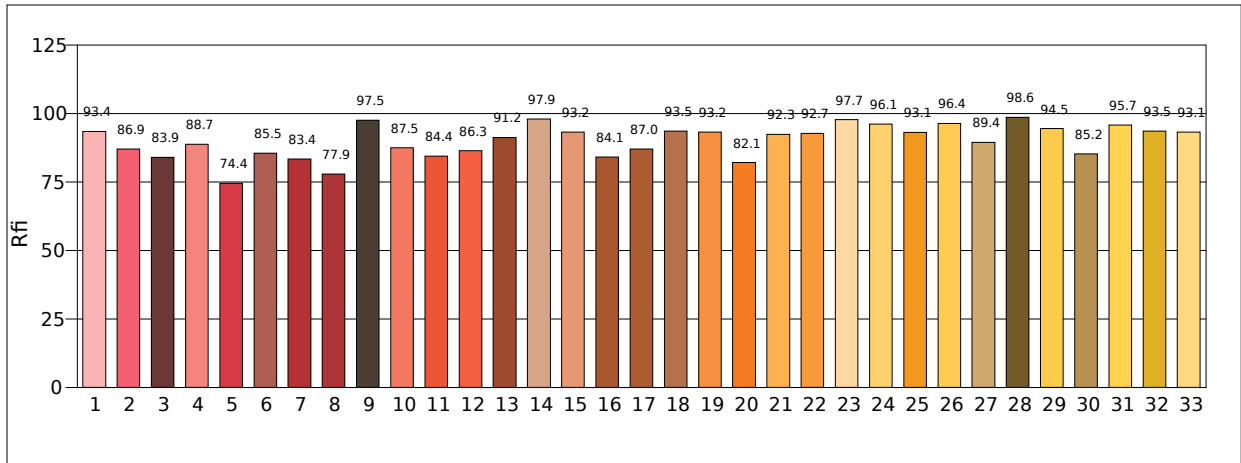
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

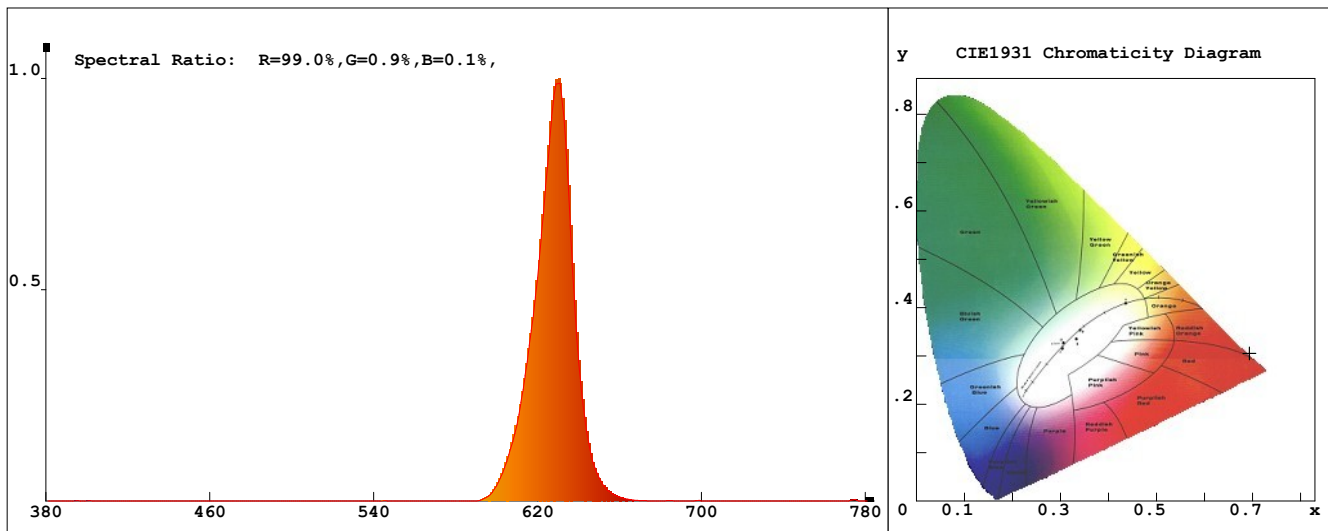
Remark:



LED Test Report

Product Mark

Product Type : ORR300-F52-784OR2 R 50cm Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2025-03-20
Remark:



Chroma Parameters

Chro.Coord.:x=0.6938 y=0.3053 u=0.5260 v=0.3472 duv=-0.0008
CCT: 1343K Dominant Wave.:621.6nm Purity:99.8% Centre Wave:627.5nm
Flux RGB Ratio:R=98.0%,G=2.0%,B=0.0% Peak Wave:628.6nm Half Width:18.6nm

Rendering Index:Ra=-20.1 CRI=103.2

R1 =-46 R2 =53 R3 =11 R4 =-74 R5 =-40 R6 =53 R7 =-9 R8 =-108
R9 =-339 R10=40 R11=-87 R12=21 R13=-19 R14=40 R15=-81
PPF:1.743umol/s (400-700nm) PRF:0.3mW (400-700nm) PAR:0.3mW (400-700nm)

Photo Parameters

Flux:69.41lm Effi.:20.8lm/W Radiant:333.1mW Iv:0.0mcd
Scotopic Flux:3.6Plm Effi.:0.0Plm/W S/P:0.1
Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:1744.690umol/s (380-780nm)

Ele. Parameters

Forward Current:If=139.0mA Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.00V Reverse Current:Ir=0.00uA
Power:P=3.350W

Instrument state

Instrument:Lisun LMS-8000 Integral Time: 201.192ms VPeak: 13976
VDark: 1255 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 R

Temperature : 'C

Operator : -

Remark:

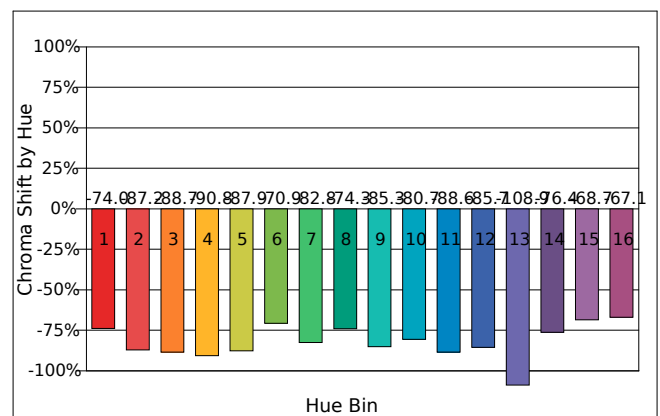
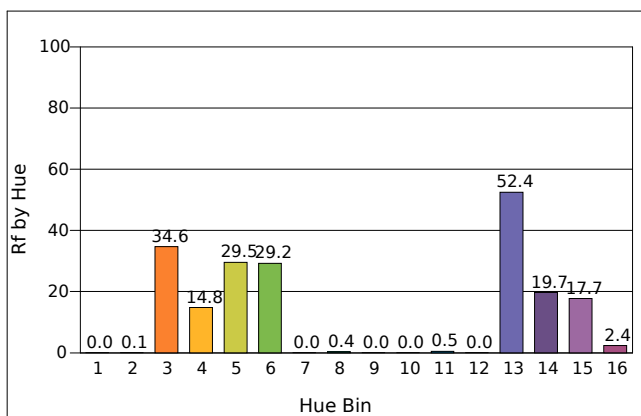
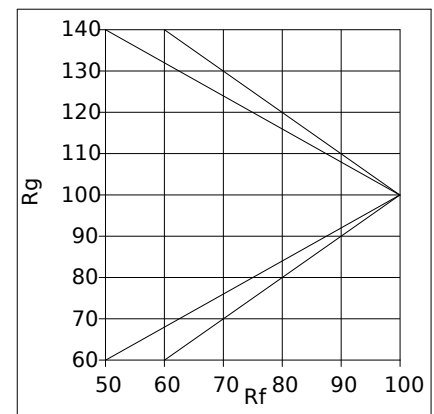
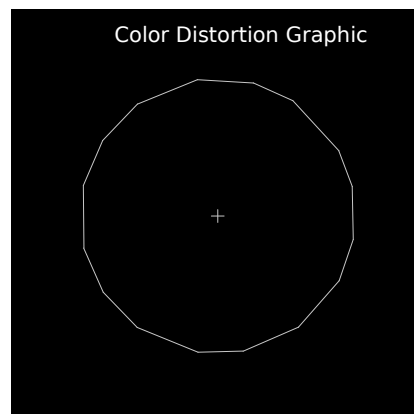
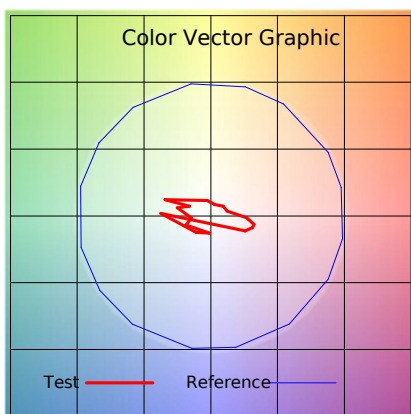
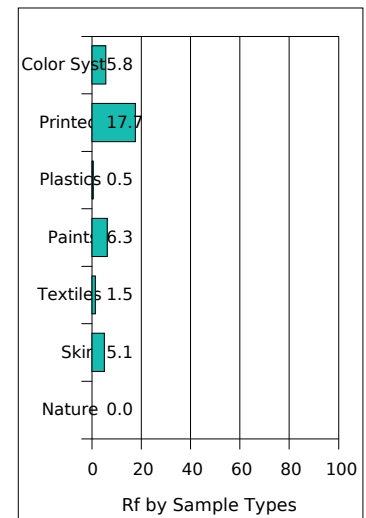
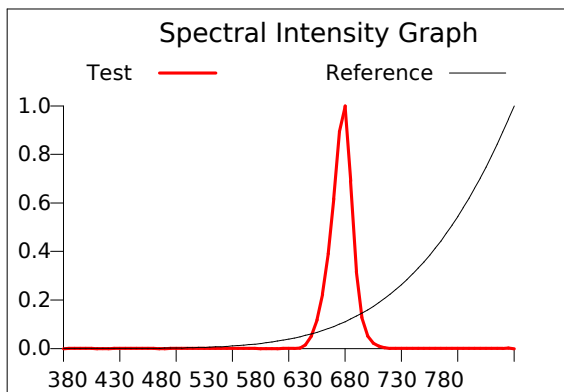
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 0.8 CCT(K): 1343 u': 0.5260
 Rg: 2.1 LER: 212.4 Duv: -0.0008 v': 0.3472

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-74.0%	-8.2%
2	0.1	-87.2%	5.6%
3	34.6	-88.7%	-4.9%
4	14.8	-90.8%	5.2%
5	29.5	-87.9%	5.2%
6	29.2	-70.9%	18.5%
7	0.0	-82.8%	1.9%
8	0.4	-74.3%	1.6%
9	0.0	-85.3%	-5.1%
10	0.0	-80.7%	-4.6%
11	0.5	-88.6%	10.0%
12	0.0	-85.7%	-13.6%
13	52.4	-108.9%	-35.3%
14	19.7	-76.4%	11.3%
15	17.7	-68.7%	0.2%
16	2.4	-67.1%	-2.5%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 R

Manufacturer : -

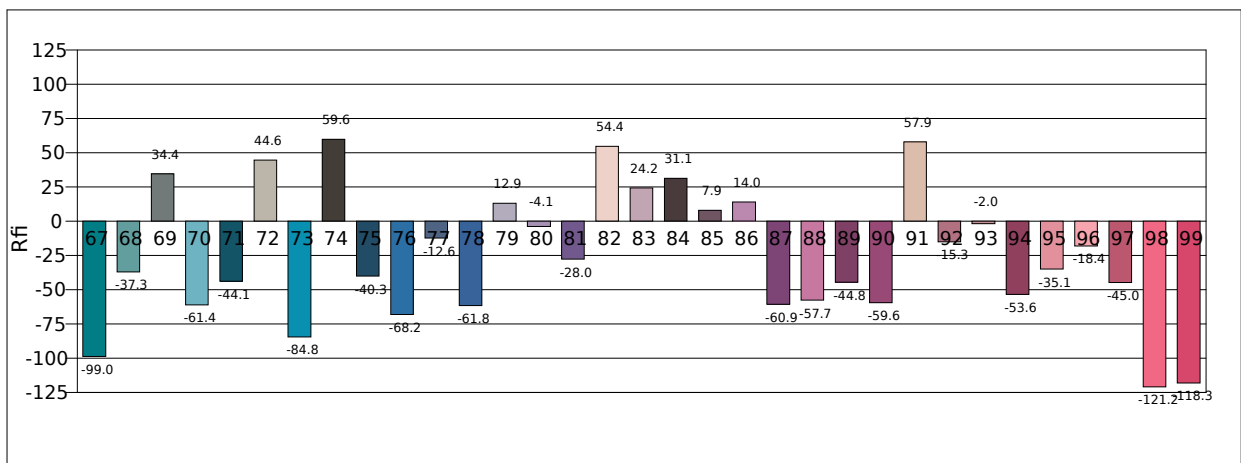
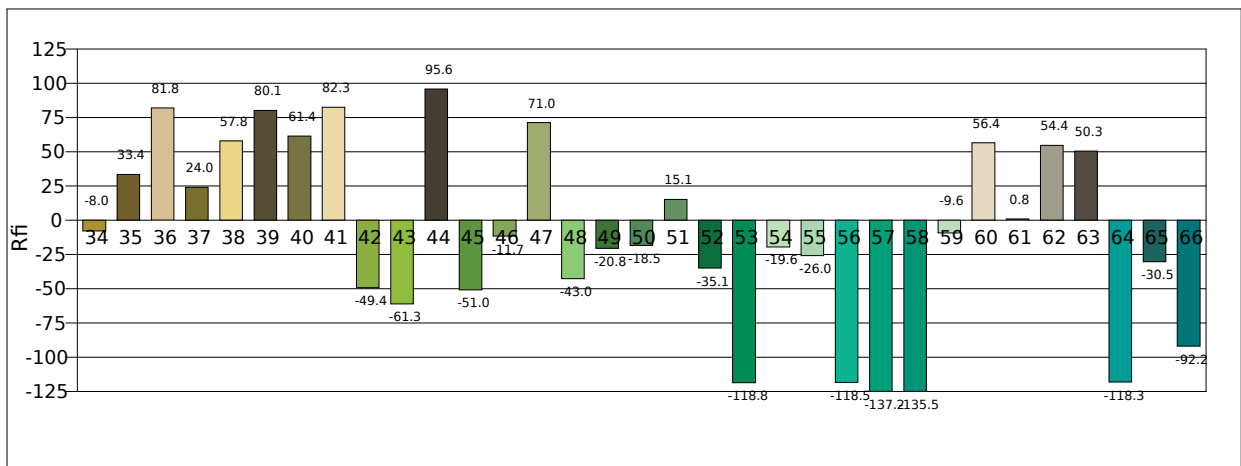
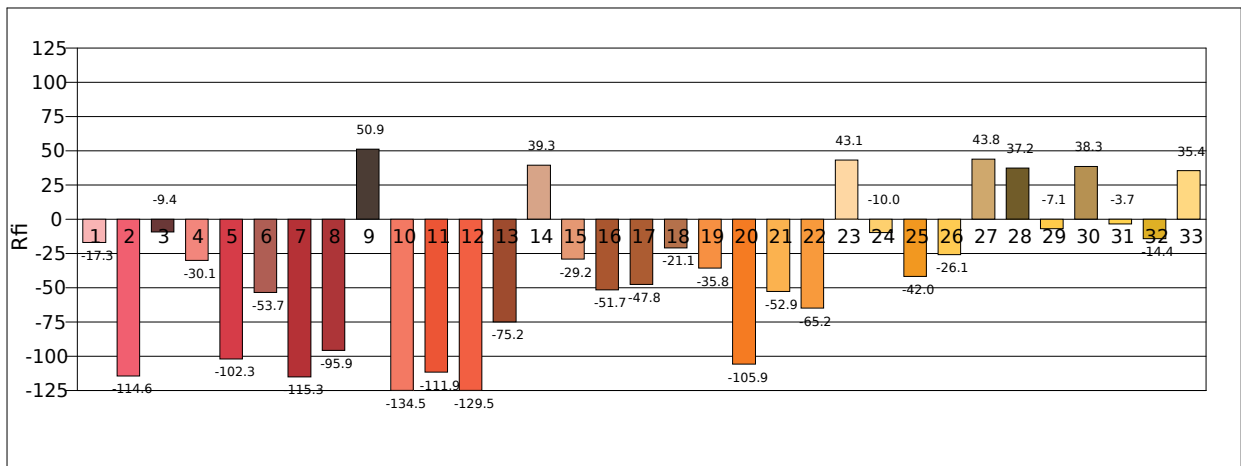
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

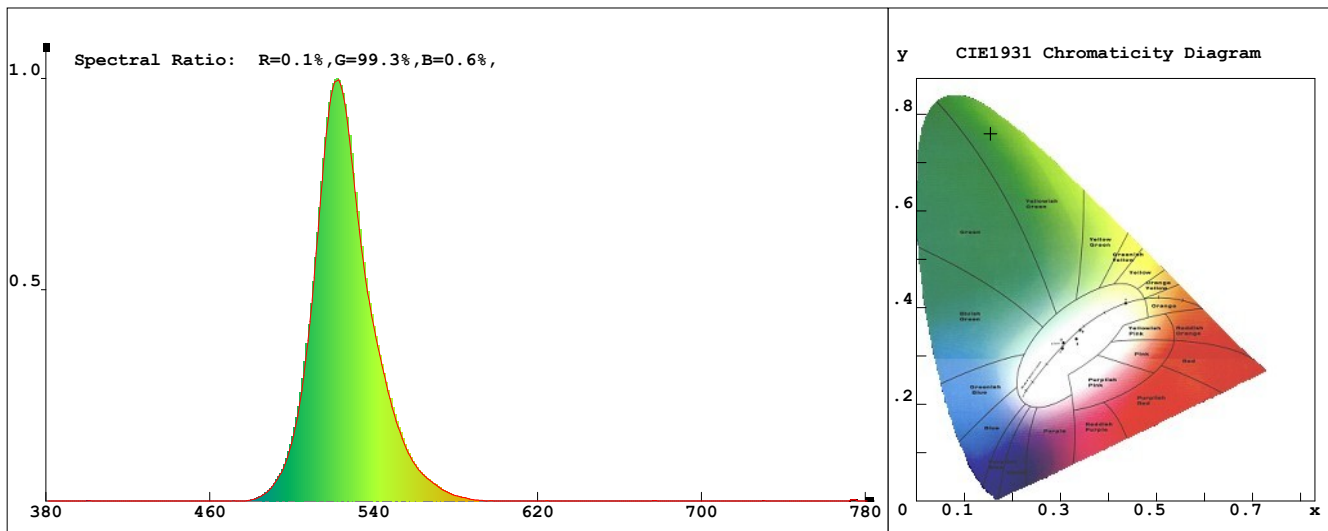
Remark :



LED Test Report

Product Mark

Product Type : ORR300-F52-784OR2 G 50cm Manufacturer : -
 Temperature : 'C Humidity : -%
 Operator : - Test Date : 2025-03-20
 Remark :



Chroma Parameters

Chro.Coord.: $x=0.1543$ $y=0.7597$ $u=0.0523$ $v=0.3860$ $duv=0.1656$
 CCT: 7929K Dominant Wave.: 526.8nm Purity: 87.7% Centre Wave: 522.5nm
 Flux RGB Ratio: R=0.0%, G=99.8%, B=0.2% Peak Wave: 521.6nm Half Width: 26.1nm

Rendering Index: Ra=-36.5 CRI=112.5

R1 = -41 R2 = -22 R3 = -46 R4 = -78 R5 = -15 R6 = -29 R7 = -20 R8 = -39
 R9 = -371 R10 = -136 R11 = -112 R12 = -52 R13 = -50 R14 = 27 R15 = -36
 PPF: 1.492 $\mu\text{mol/s}$ (400-700nm) PRF: 0.3mW (400-700nm) PAR: 0.3mW (400-700nm)

Photo Parameters

Flux: 194.83lm Effi.: 128.9lm/W Radiant: 339.8mW Iv: 0.0mcd
 Scotopic Flux: 540.6Plm Effi.: 0.0Plm/W S/P: 2.8
 Efficiency: 0.00 Effi Level: A++ (EU 874-2012) Photon Flux: 1492.990 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: $I_f=63.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$
 Forward Voltage: $V_f=24.00\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$
 Power: $P=1.520\text{W}$

Instrument state

Instrument: Lisun LMS-8000 Integral Time: 251.490ms VPeak: 14648
 VDark: 1145 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 G

Temperature : 'C

Operator : -

Remark:

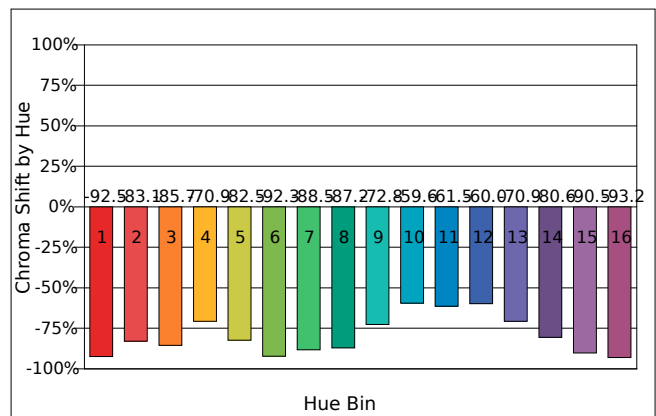
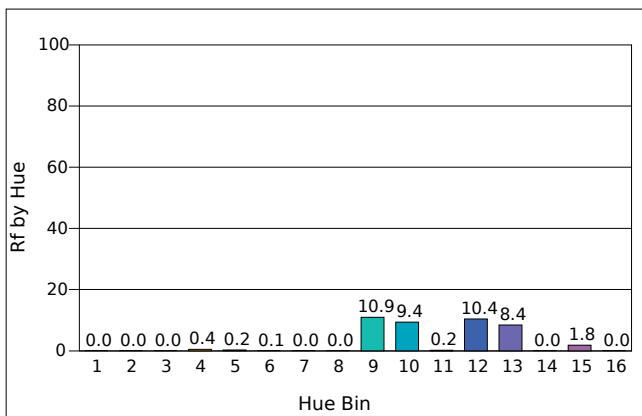
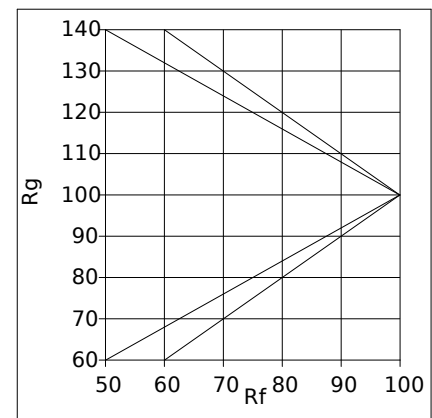
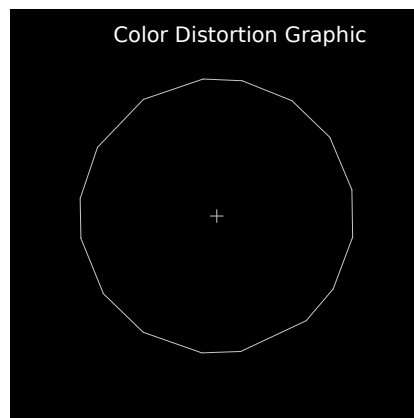
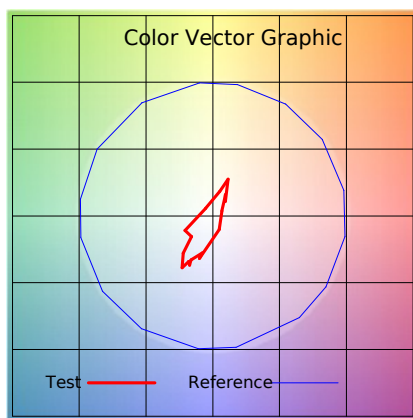
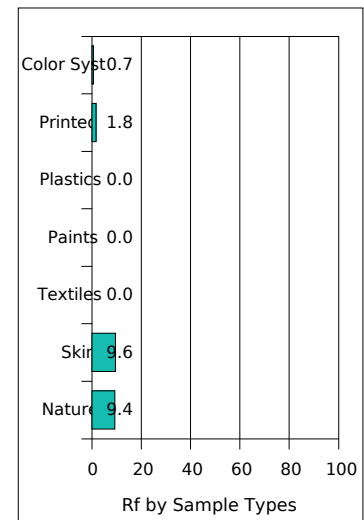
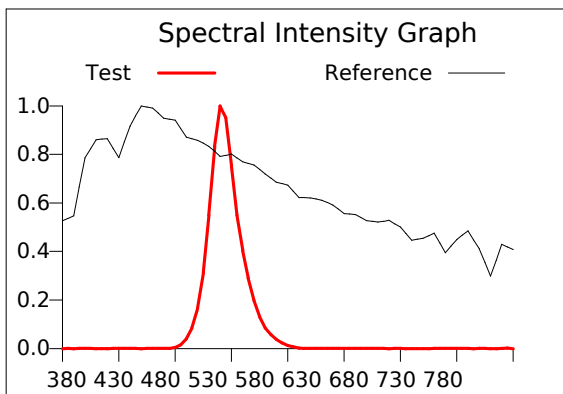
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 0.1 CCT(K): 7929 u': 0.0523
 Rg: 2.5 LER: 506.0 Duv: 0.1656 v': 0.3860

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-92.5%	2.8%
2	0.0	-83.1%	6.2%
3	0.0	-85.7%	-3.1%
4	0.4	-70.9%	-7.1%
5	0.2	-82.5%	1.2%
6	0.1	-92.3%	4.3%
7	0.0	-88.5%	13.9%
8	0.0	-87.2%	11.3%
9	10.9	-72.8%	26.8%
10	9.4	-59.6%	18.4%
11	0.2	-61.5%	1.3%
12	10.4	-60.0%	-18.6%
13	8.4	-70.9%	-20.3%
14	0.0	-80.6%	-33.5%
15	1.8	-90.5%	-35.0%
16	0.0	-93.2%	-12.9%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 G

Manufacturer : -

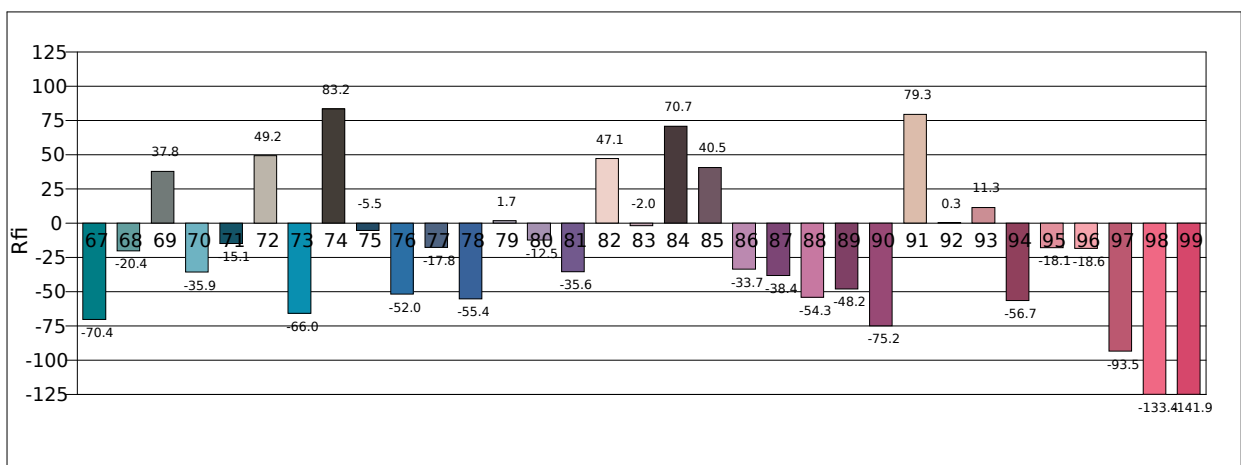
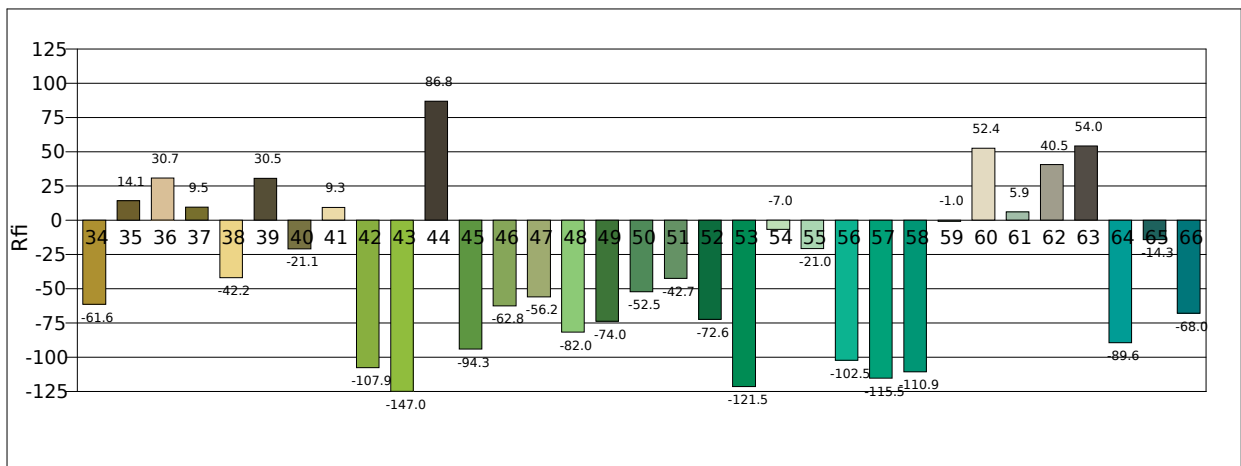
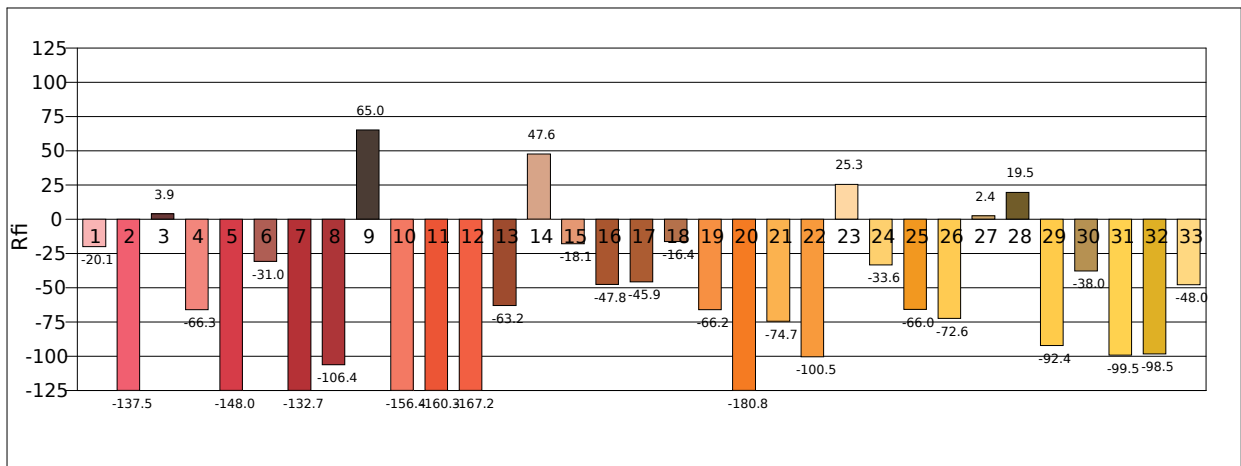
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

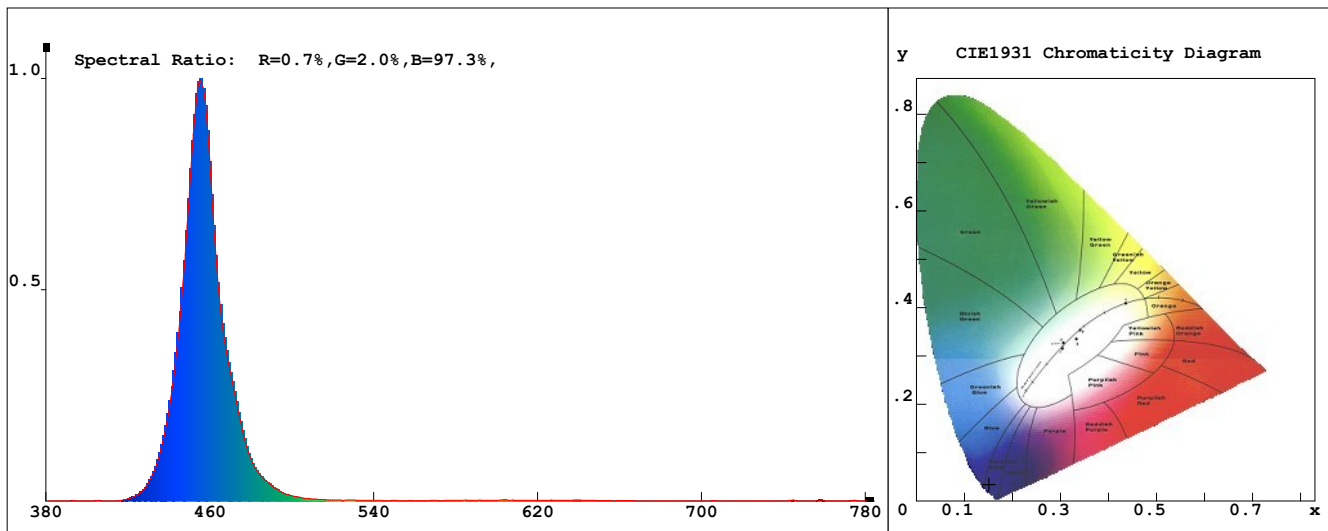
Remark :



LED Test Report

Product Mark

Product Type : ORR300-F52-784OR2 B 50cm Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2025-03-20
Remark:



Chroma Parameters

Chro.Coord.:x=0.1510 y=0.0342 u=0.1943 v=0.0660 duv=-0.0628
CCT:100000K Dominant Wave.:458.2nm Purity:97.6% Centre Wave:454.6nm
Flux RGB Ratio:R=2.5%,G=15.4%,B=82.1% Peak Wave:454.8nm Half Width:17.5nm

Rendering Index:Ra=-51.8 CRI=104.2

R1 =8	R2 =-45	R3 =-162	R4 =-87	R5 =30	R6 =-49	R7 =-64	R8 =-46
R9 =-184	R10=-240	R11=-109	R12=-109	R13=-14	R14=-37	R15=18	
PPF:3.097umol/s (400-700nm)			PRF:0.8mW (400-700nm)			PAR:0.6mW (400-700nm)	

Photo Parameters

Flux:44.22lm	Effi.:19.8lm/W	Radiant:810.6mW	Iv:0.0mcd
Scotopic Flux:872.6Plm	Effi.:0.0Plm/W	S/P:19.7	
Efficiency:0.00	Effi Level:A++ (EU 874-2012) Photon Flux:3106.780umol/s (380-780nm)		

Ele. Parameters

Forward Current:If=93.0mA	Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.02V	Reverse Current:Ir=0.00uA
Power:P=2.241W	

Instrument state

Instrument:Lisun LMS-8000	Integral Time: 96.063ms	VPeak: 15992
VDark: 1219	Scan Range: 380-780nm	Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORR300-F52-784OR2 B

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

