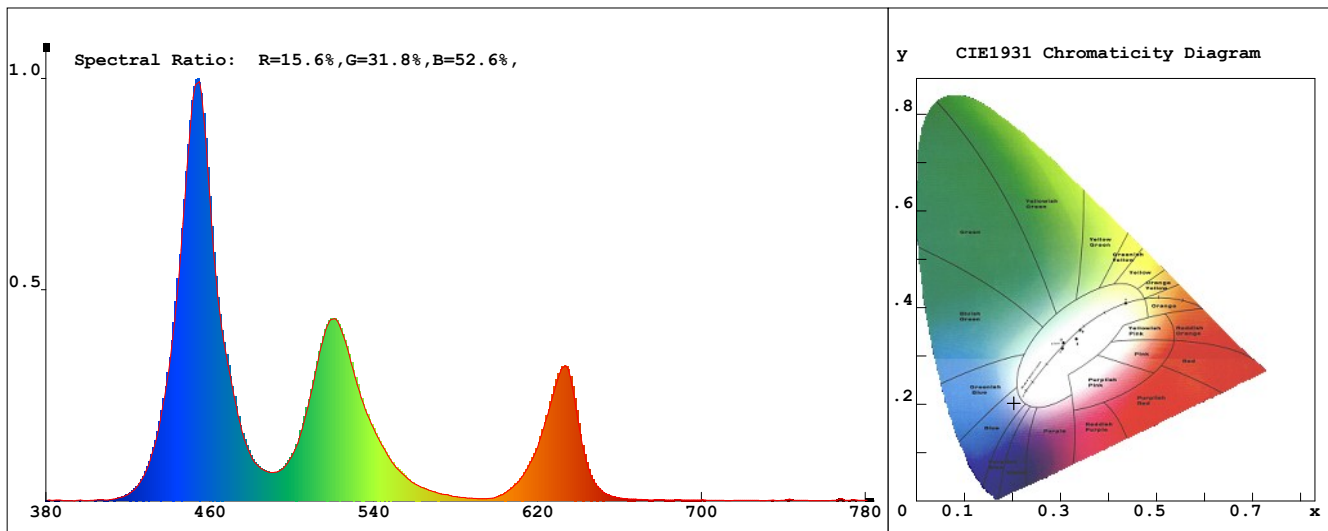


LED Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 RGB Manufacturer : -
 Temperature : 'C Humidity : -%
 Operator : - Test Date : 2025-03-20
 Remark :



Chroma Parameters

Chro.Coord.:x=0.2033 y=0.2023 u=0.1620 v=0.2418 duv=0.0121
 CCT:100000K Dominant Wave.:476.8nm Purity:56.5% Centre Wave:452.9nm
 Flux RGB Ratio:R=14.1%,G=76.5%,B=9.3% Peak Wave:453.0nm Half Width:19.3nm

Rendering Index:Ra= 78.4 CRI= 74.6

R1 =76	R2 =87	R3 =91	R4 =73	R5 =80	R6 =78	R7 =85	R8 =58
R9 =-63	R10=71	R11=42	R12=71	R13=71	R14=93	R15=64	
PPF:10.760umol/s (400-700nm)			PRF:2.6mW (400-700nm)			PAR:2.0mW (400-700nm)	

Photo Parameters

Flux:554.55lm Effi.:26.3lm/W Radiant:2567.2mW Iv:0.0mcd
 Scotopic Flux:2450.8Plm Effi.:0.0Plm/W S/P:4.4
 Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:10824.700umol/s (380-780nm)

Ele. Parameters

Forward Current:If=878.0mA Reverse Voltage:Vr=5.00V
 Forward Voltage:Vf=24.00V Reverse Current:Ir=0.00uA
 Power:P=21.091W

Instrument state

Instrument:Lisun LMS-8000	Integral Time: 53.499ms	VPeak: 14264
VDark: 1358	Scan Range: 380-780nm	Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 RGB Manufacturer : -

Temperature : 'C

Humidity : -%

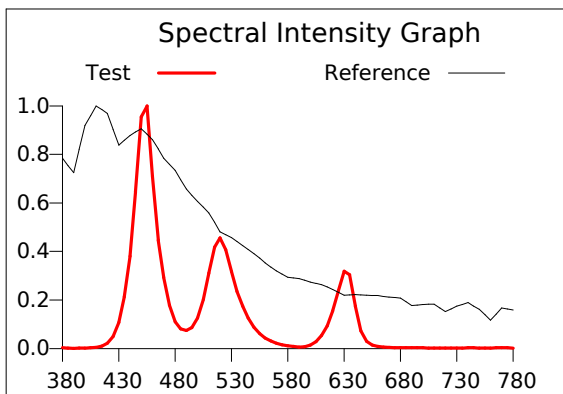
Operator : -

Test Date : 2025-03-20

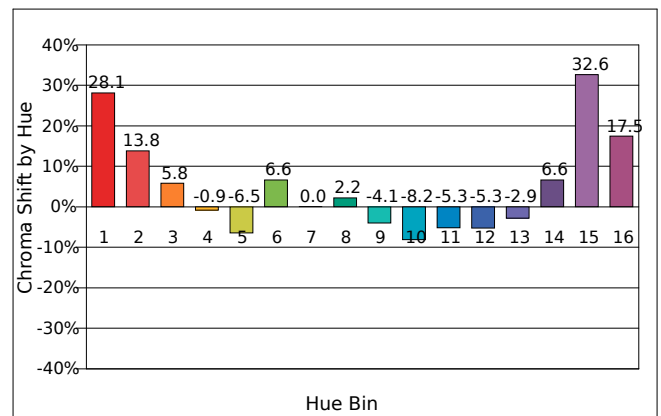
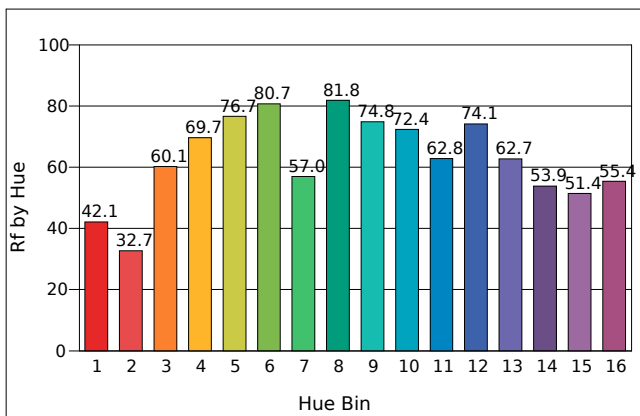
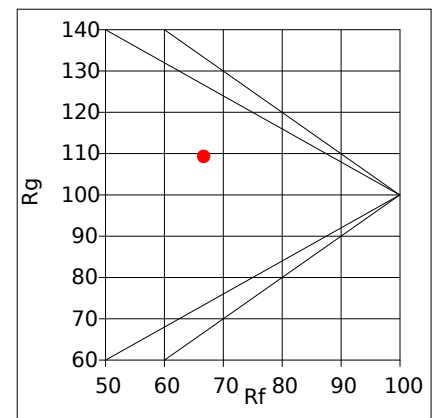
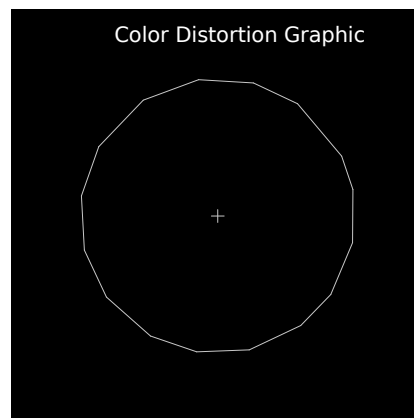
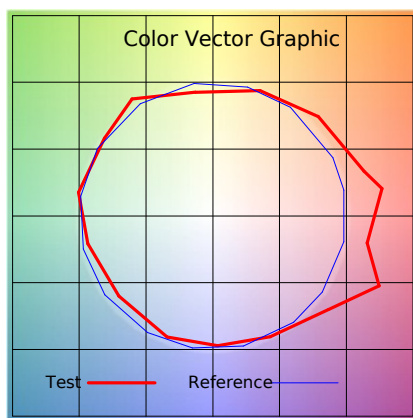
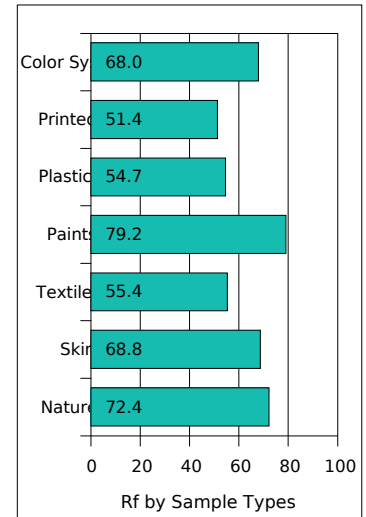
Remark:

Rf: 66.7 CCT(K): 100000u': 0.1620

Rg: 109.3 LER: 202.7 Duv: 0.0121 v': 0.2418



Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	42.1	28.1%	-4.2%
2	32.7	13.8%	-21.2%
3	60.1	5.8%	-21.2%
4	69.7	-0.9%	-9.6%
5	76.7	-6.5%	0.4%
6	80.7	6.6%	3.3%
7	57.0	0.0%	-9.4%
8	81.8	2.2%	-2.7%
9	74.8	-4.1%	-3.3%
10	72.4	-8.2%	6.7%
11	62.8	-5.3%	14.1%
12	74.1	-5.3%	18.2%
13	62.7	-2.9%	21.1%
14	53.9	6.6%	27.0%
15	51.4	32.6%	27.3%
16	55.4	17.5%	2.5%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 RGB Manufacturer : -

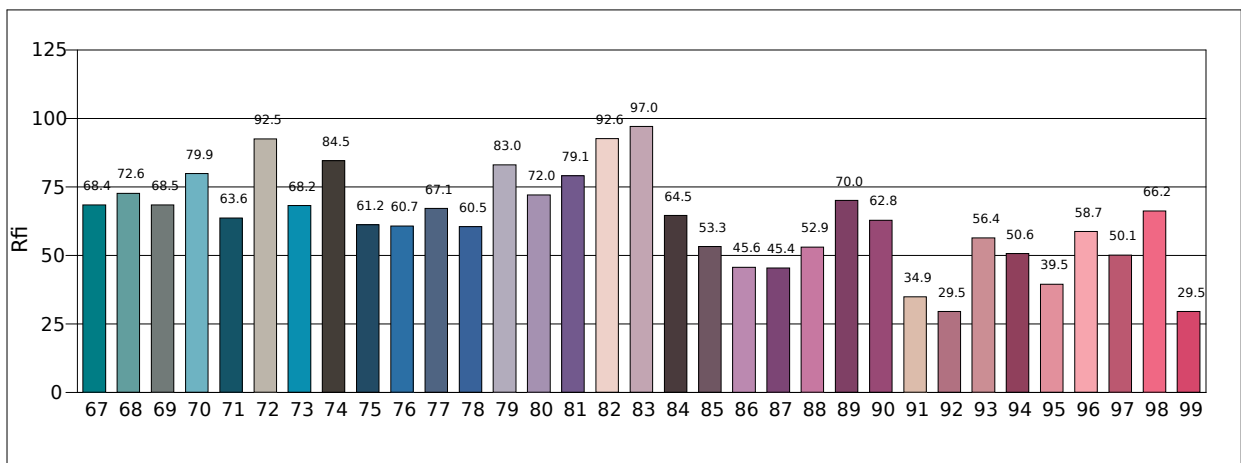
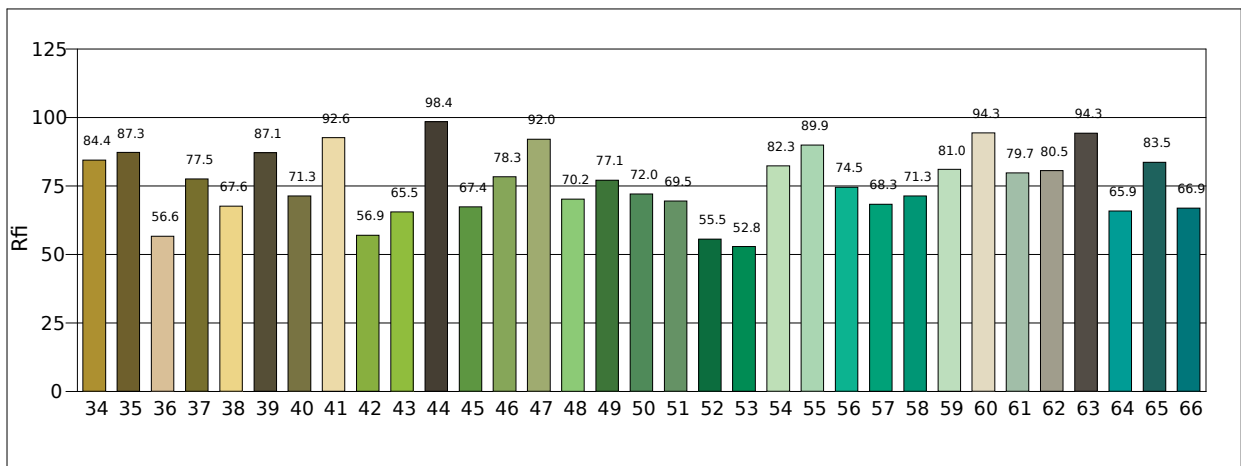
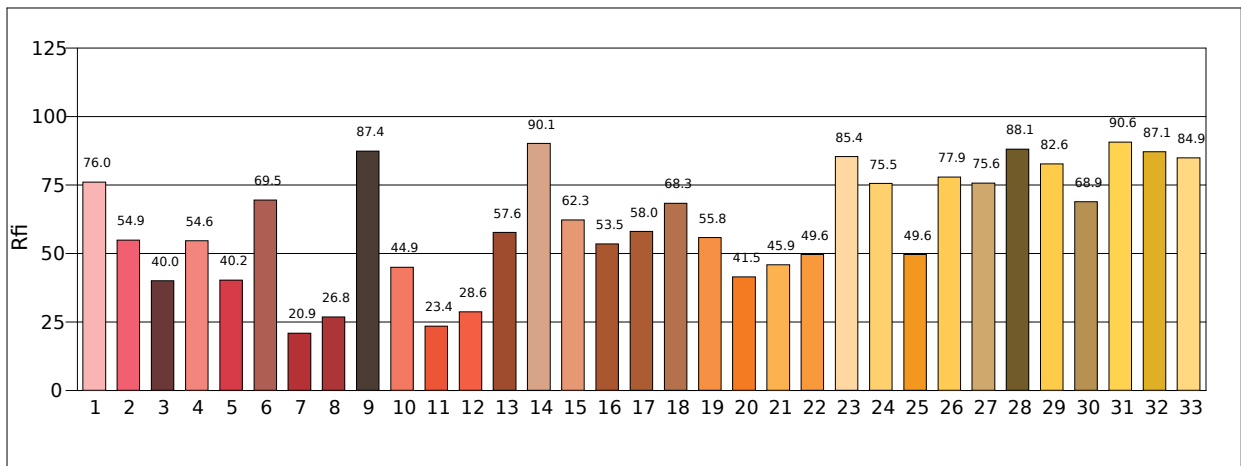
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

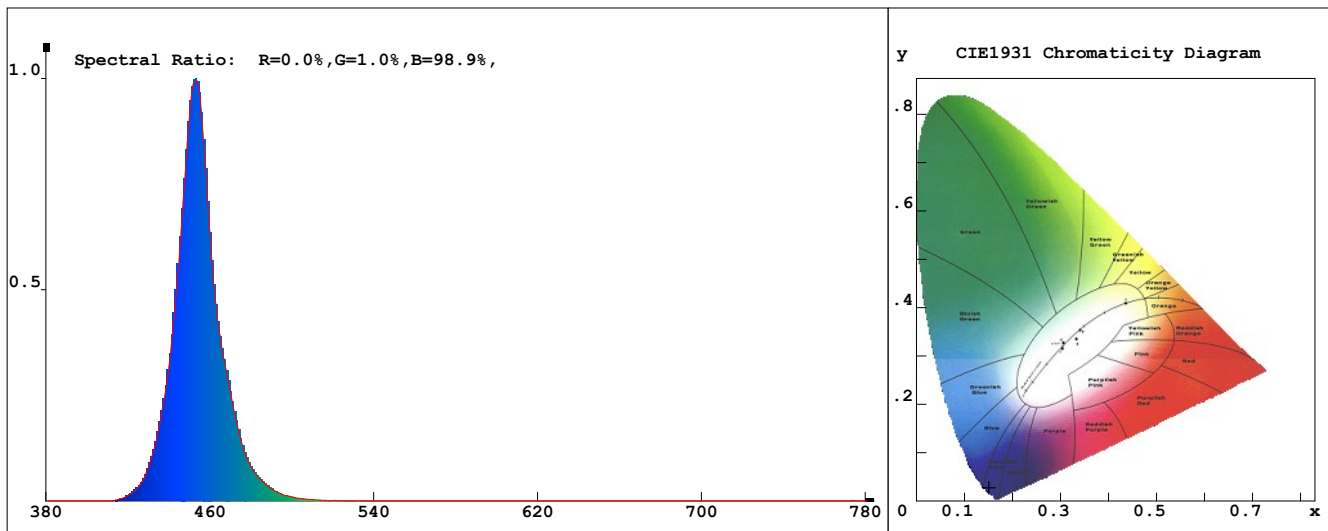
Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 B Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2025-03-20
Remark:



Chroma Parameters

Chro.Coord.:x=0.1508 y=0.0274 u=0.1993 v=0.0543 duv=-0.0705
CCT:100000K Dominant Wave.:456.4nm Purity:99.1% Centre Wave:452.1nm
Flux RGB Ratio:R=0.0%,G=7.1%,B=92.9% Peak Wave:452.2nm Half Width:18.5nm

Rendering Index:Ra=-67.7 CRI=135.3

R1 =-31 R2 =-74 R3 =-171 R4 =-91 R5 =3 R6 =-69 R7 =-62 R8 =-46
R9 =-301 R10=-298 R11=-119 R12=-144 R13=-60 R14=-44 R15=-14
PPF:5.651umol/s (400-700nm) PRF:1.5mW (400-700nm) PAR:1.1mW (400-700nm)

Photo Parameters

Flux:65.49lm Effi.:7.7lm/W Radiant:1490.2mW Iv:0.0mcd
Scotopic Flux:1513.5Plm Effi.:0.0Plm/W S/P:23.1
Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:5653.810umol/s (380-780nm)

Ele. Parameters

Forward Current:If=353.0mA Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.00V Reverse Current:Ir=0.00uA
Power:P=8.470W

Instrument state

Instrument:Lisun LMS-8000 Integral Time: 48.337ms VPeak: 14712
VDark: 1255 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 B

Manufacturer : -

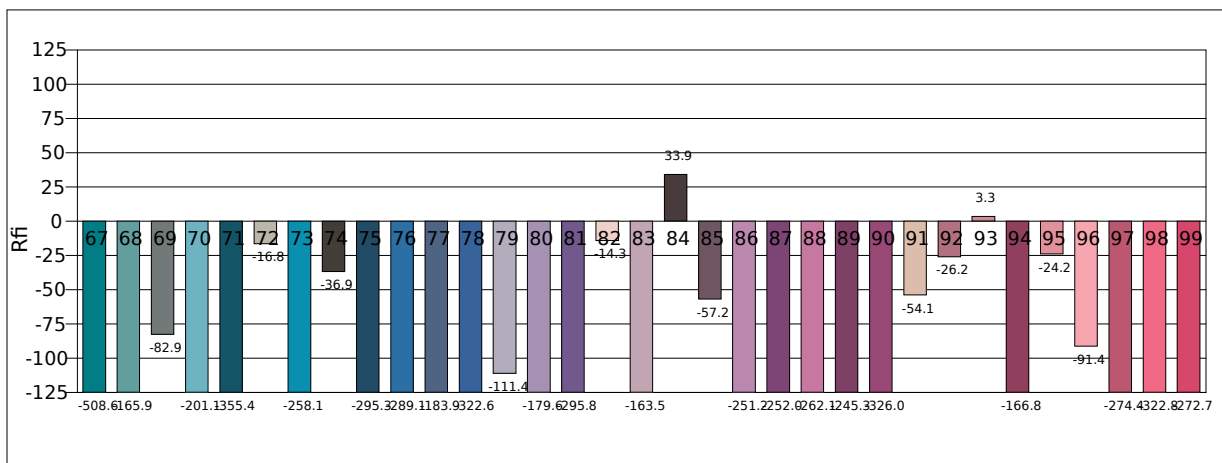
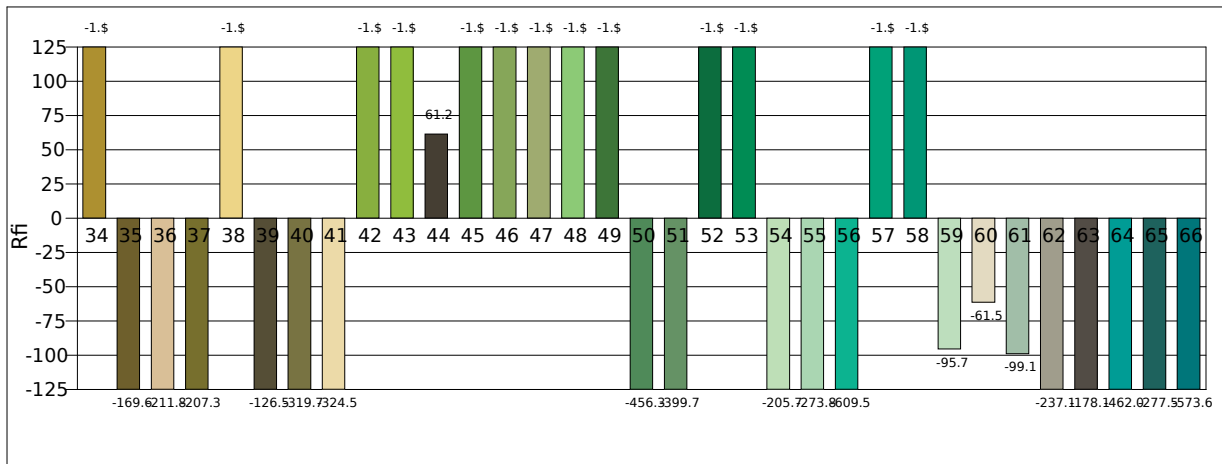
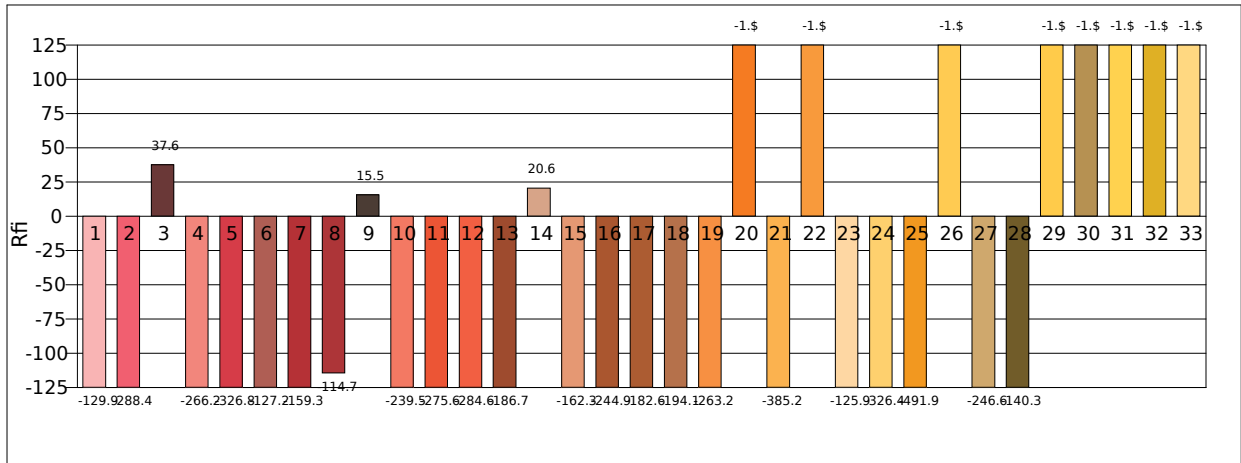
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

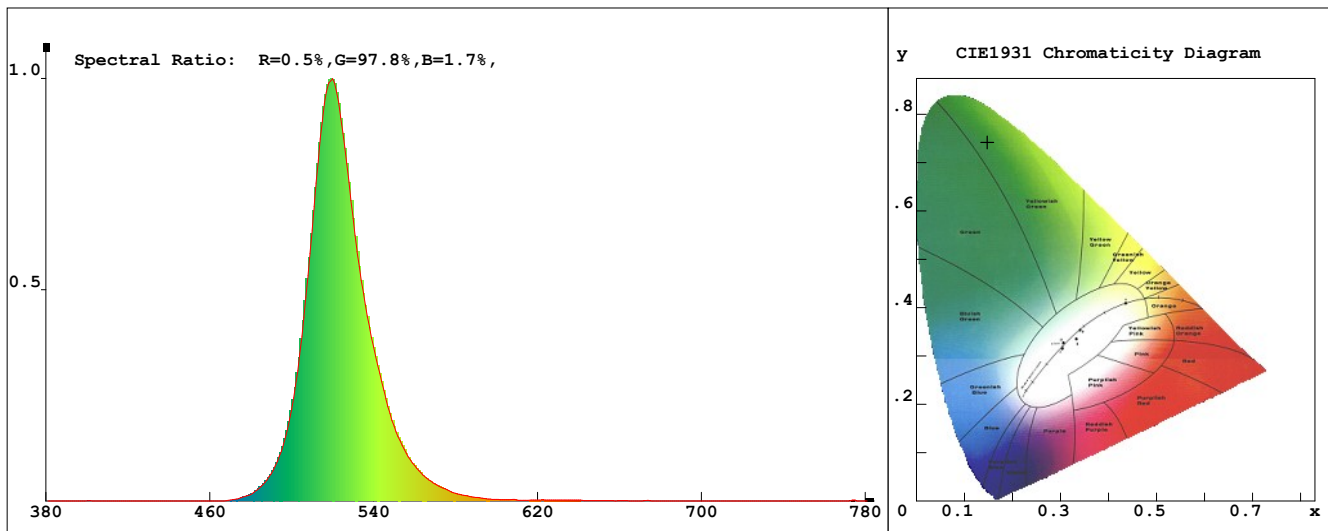
Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 G Manufacturer : -
 Temperature : 'C Humidity : -%
 Operator : - Test Date : 2025-03-20
 Remark :



Chroma Parameters

Chro.Coord.: x=0.1478 y=0.7418 u=0.0509 v=0.3835 duv=0.1655
 CCT: 8110K Dominant Wave.: 524.3nm Purity: 82.5% Centre Wave: 520.0nm
 Flux RGB Ratio: R=0.2%, G=99.4%, B=0.4% Peak Wave: 518.6nm Half Width: 27.1nm

Rendering Index: Ra=-31.1 CRI=106.5

R1 = -37 R2 = -16 R3 = -37 R4 = -72 R5 = -12 R6 = -24 R7 = -16 R8 = -35
 R9 = -358 R10 = -123 R11 = -102 R12 = -42 R13 = -45 R14 = 32 R15 = -33
 PPF: 3.872 $\mu\text{mol/s}$ (400-700nm) PRF: 0.9mW (400-700nm) PAR: 0.7mW (400-700nm)

Photo Parameters

Flux: 465.55lm Effi.: 54.3lm/W Radiant: 885.4mW Iv: 0.0mcd
 Scotopic Flux: 1391.6Plm Effi.: 0.0Plm/W S/P: 3.0
 Efficiency: 0.00 Effi Level: A++ (EU 874-2012) Photon Flux: 3875.250 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: If=357.0mA Reverse Voltage: Vr=5.00V
 Forward Voltage: Vf=24.00V Reverse Current: Ir=0.00uA
 Power: P=8.580W

Instrument state

Instrument: Lisun LMS-8000 Integral Time: 96.675ms VPeak: 13560
 VDark: 1264 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 G

Manufacturer : -

Temperature : 'C

Humidity : -%

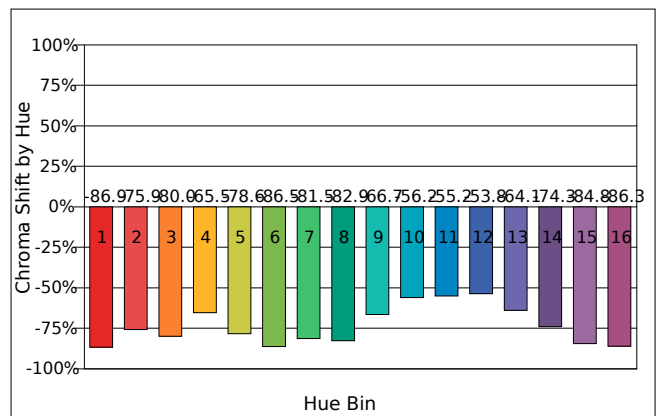
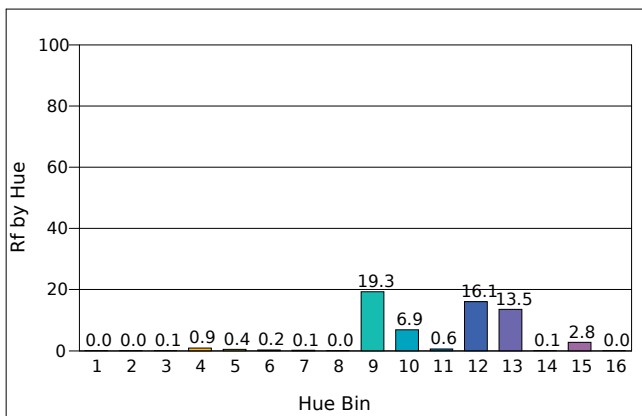
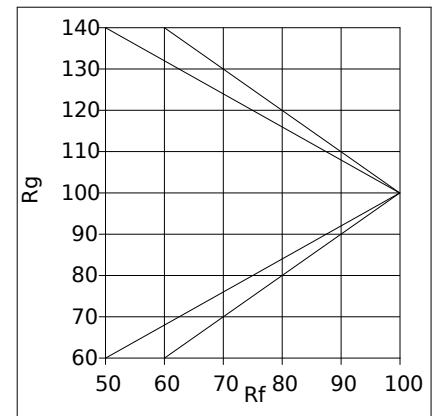
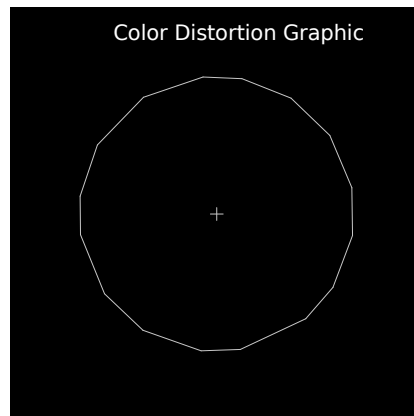
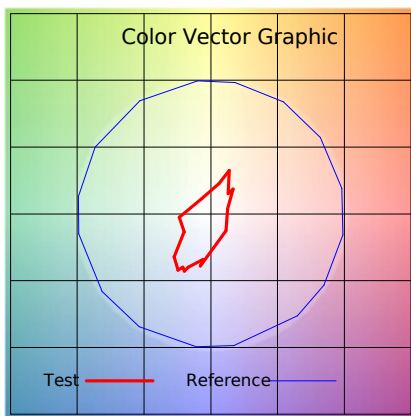
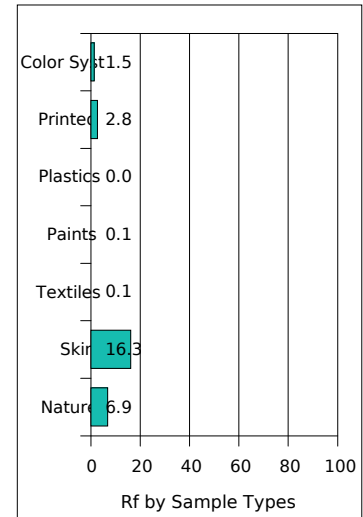
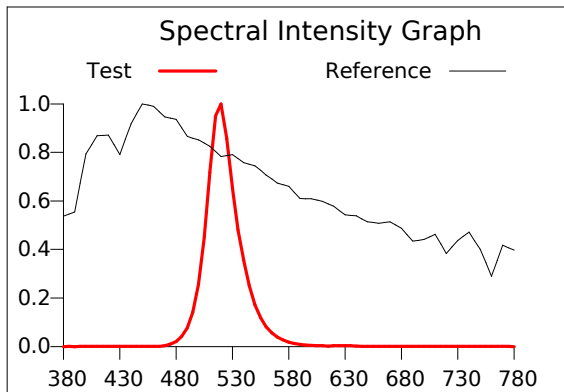
Operator : -

Test Date : 2025-03-20

Remark :

Rf: 0.3 CCT(K): 8110 u': 0.0509
 Rg: 5.1 LER: 477.3 Duv: 0.1655 v': 0.3835

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-86.9%	1.7%
2	0.0	-75.9%	4.4%
3	0.1	-80.0%	-4.1%
4	0.9	-65.5%	-8.4%
5	0.4	-78.6%	-0.7%
6	0.2	-86.5%	1.9%
7	0.1	-81.5%	8.7%
8	0.0	-82.9%	10.5%
9	19.3	-66.7%	30.9%
10	6.9	-56.2%	18.2%
11	0.6	-55.2%	2.4%
12	16.1	-53.8%	-19.3%
13	13.5	-64.1%	-22.1%
14	0.1	-74.3%	-35.2%
15	2.8	-84.8%	-39.4%
16	0.0	-86.3%	-14.1%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 G

Manufacturer : -

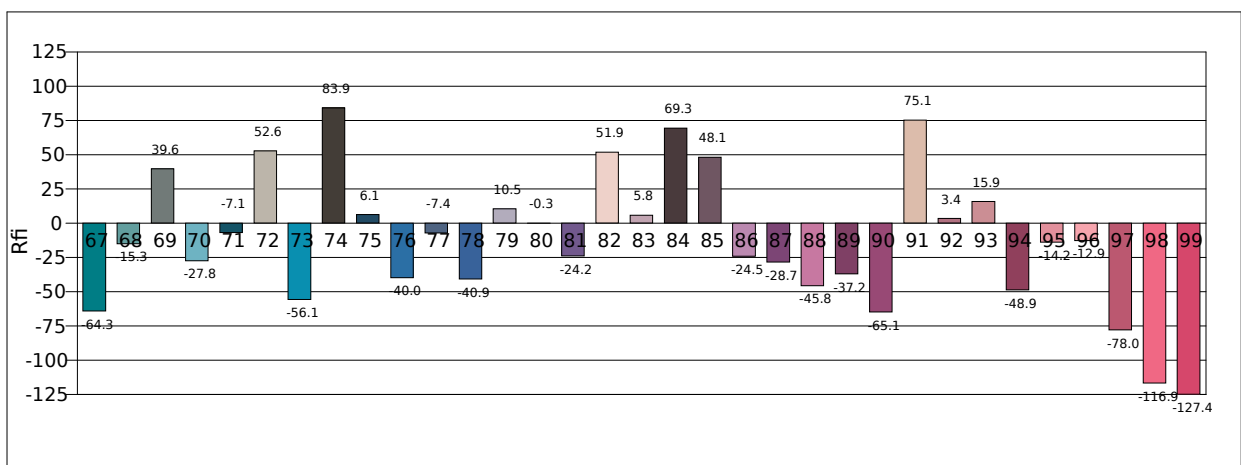
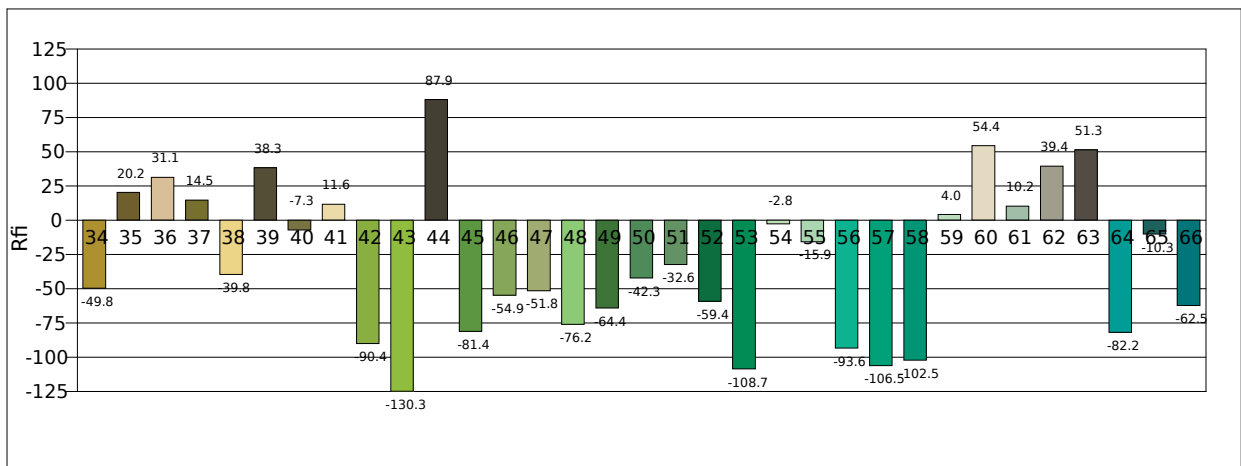
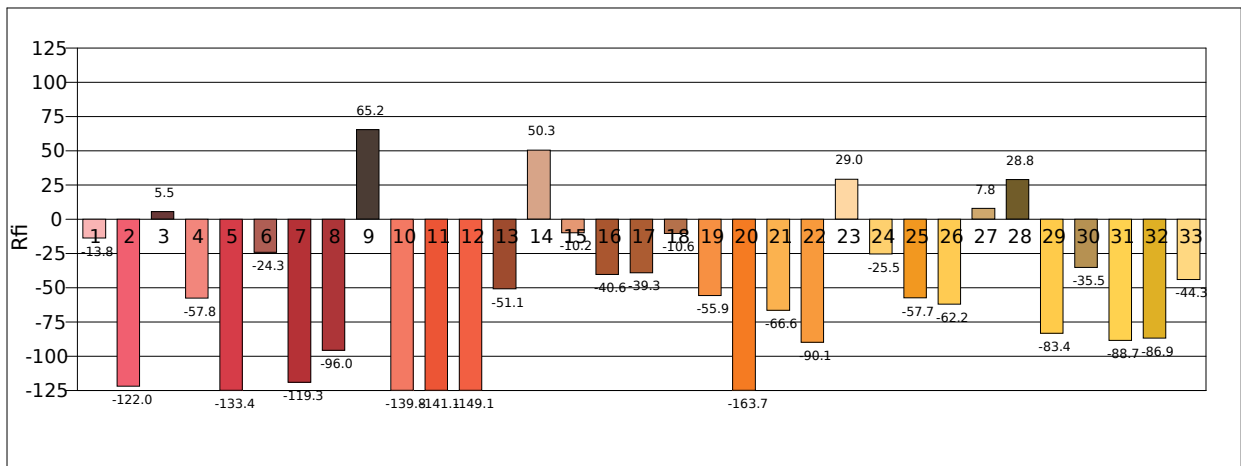
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

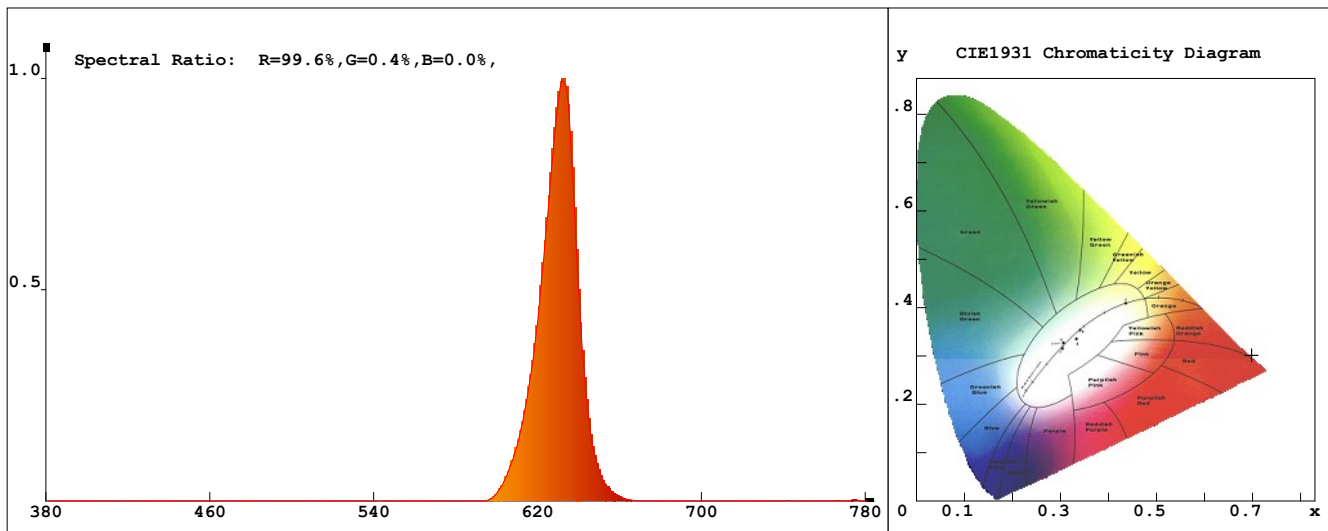
Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 R Manufacturer : -
Temperature : 'C Humidity : -%
Operator : - Test Date : 2025-03-20
Remark :



Chroma Parameters

Chro.Coord.:x=0.6984 y=0.3014 u=0.5352 v=0.3464 duv=-0.0008
CCT: 1383K Dominant Wave.:623.8nm Purity:99.9% Centre Wave:629.8nm
Flux RGB Ratio:R=99.1%,G=0.9%,B=0.0% Peak Wave:631.6nm Half Width:18.4nm

Rendering Index:Ra=-23.9 CRI=108.5

R1 =-51	R2 =51	R3 =9	R4 =-79	R5 =-45	R6 =48	R7 =-10	R8 =-114
R9 =-358	R10=37	R11=-93	R12=13	R13=-23	R14=38	R15=-86	
PPF:2.203umol/s (400-700nm)		PRF:0.4mW (400-700nm)		PAR:0.4mW (400-700nm)			

Photo Parameters

Flux:80.07lm	Effi.:9.4lm/W	Radiant:419.5mW	Iv:0.0mcd
Scotopic Flux:3.6Plm	Effi.:0.0Plm/W	S/P:0.0	
Efficiency:0.00	Effi Level:A++ (EU 874-2012) Photon Flux:2205.840umol/s (380-780nm)		

Ele. Parameters

Forward Current:If=353.0mA	Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=24.00V	Reverse Current:Ir=0.00uA
Power:P=8.490W	

Instrument state

Instrument:Lisun LMS-8000	Integral Time: 149.930ms	VPeak: 13800
VDark: 1388	Scan Range: 380-780nm	Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 R

Manufacturer : -

Temperature : 'C

Humidity : -%

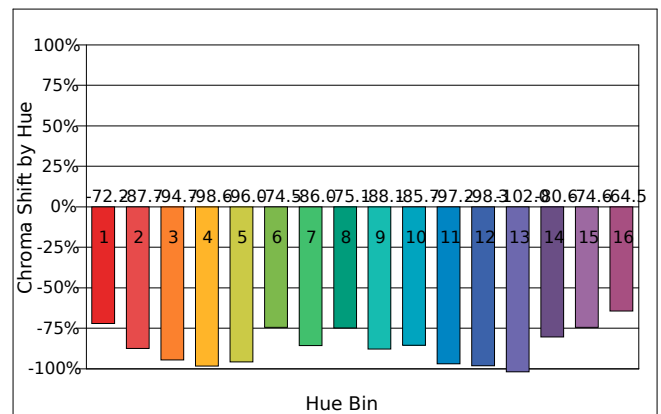
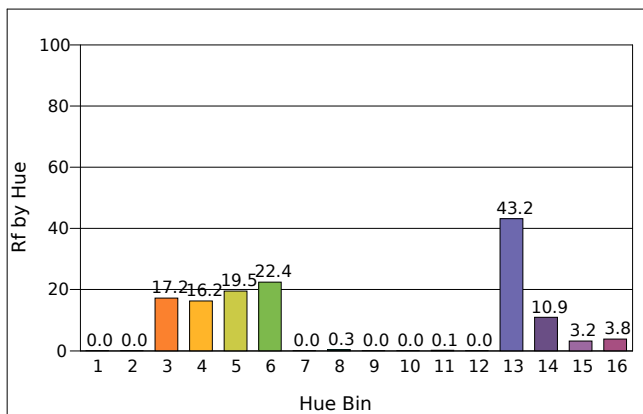
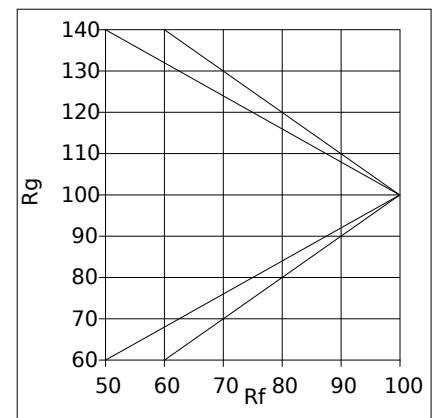
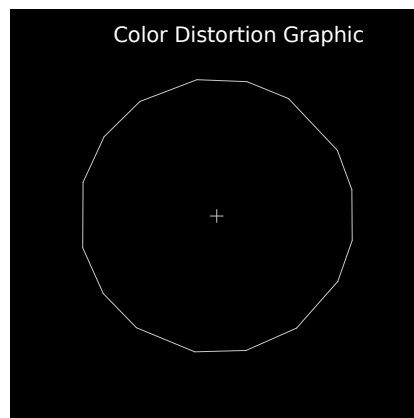
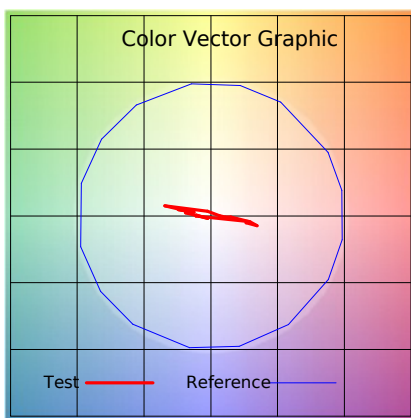
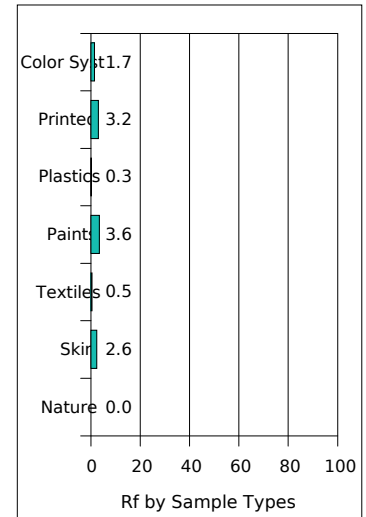
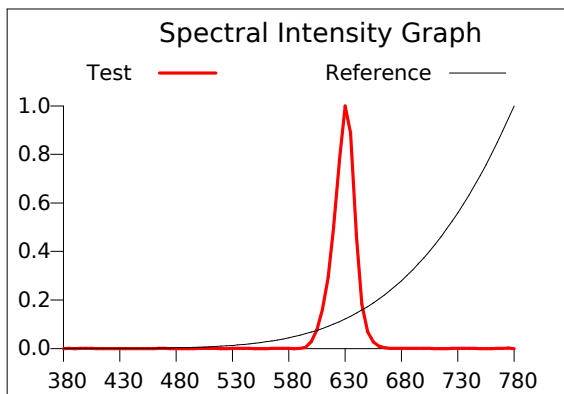
Operator : -

Test Date : 2025-03-20

Remark :

Rf: 0.4 CCT(K): 1383 u': 0.5352
 Rg: 0.3 LER: 196.0 Duv: -0.0008 v': 0.3464

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-72.2%	-9.6%
2	0.0	-87.7%	0.2%
3	17.2	-94.7%	-13.5%
4	16.2	-98.6%	-4.0%
5	19.5	-96.0%	7.1%
6	22.4	-74.5%	24.3%
7	0.0	-86.0%	8.2%
8	0.3	-75.1%	5.1%
9	0.0	-88.1%	-8.8%
10	0.0	-85.7%	-13.4%
11	0.1	-97.2%	2.7%
12	0.0	-98.3%	-14.4%
13	43.2	-102.0%	-12.6%
14	10.9	-80.6%	18.2%
15	3.2	-74.6%	0.9%
16	3.8	-64.5%	-2.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-7200R2-W12 R

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

