

LED Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 RGB

Manufacturer : -

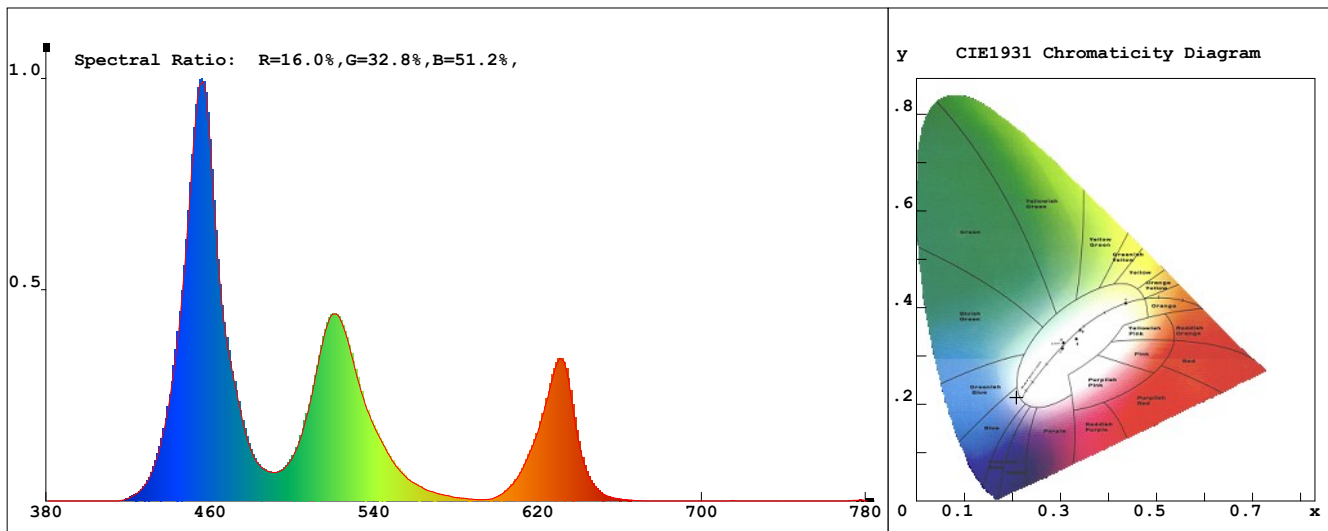
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.2081 y=0.2141 u=0.1616 v=0.2493 duv=0.0144

CCT:100000K Dominant Wave.:477.9nm Purity:53.6% Centre Wave:455.1nm

Flux RGB Ratio:R=15.0%,G=75.6%,B=9.4% Peak Wave:454.8nm Half Width:18.5nm

Rendering Index:Ra= 78.4 CRI= 74.3

R1 =75 R2 =86 R3 =87 R4 =78 R5 =83 R6 =80 R7 =83 R8 =56

R9 =-70 R10=70 R11=47 R12=65 R13=69 R14=90 R15=61

PPF:8.562umol/s (400-700nm)

PRF:2.0mW (400-700nm)

PAR:1.6mW (400-700nm)

Photo Parameters

Flux:470.44lm Effi.:29.4lm/W Radiant:2024.9mW Iv:0.0mcd

Scotopic Flux:2028.1Plm Effi.:0.0Plm/W S/P:4.3

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:8569.530umol/s (380-780nm)

Ele. Parameters

Forward Current:If=694.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.04V

Reverse Current:Ir=0.00uA

Power:P=16.001W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 65.220ms

VPeak: 13800

VDark: 1365

Scan Range: 380-780nm

Product ID: 201508924

www.orizzonteled.com

IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

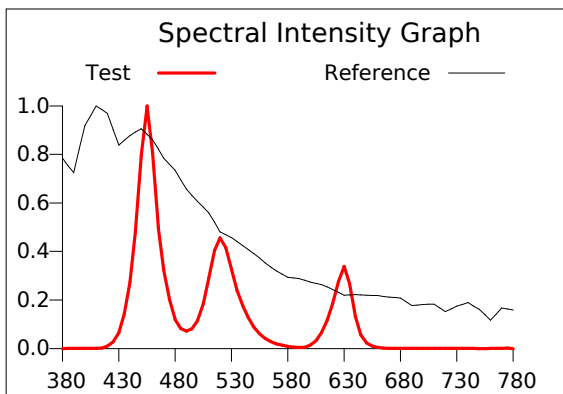
Operator : -

Test Date : 2025-03-20

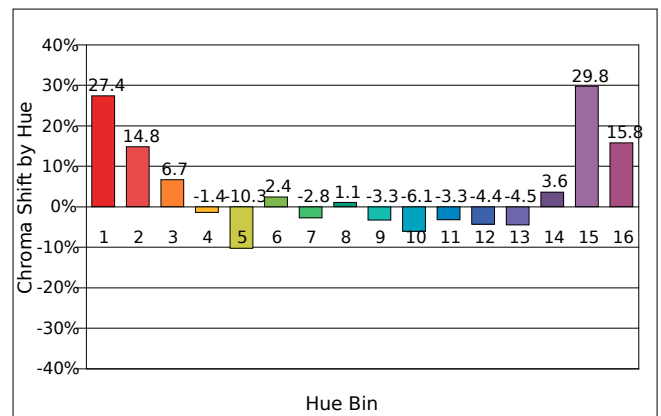
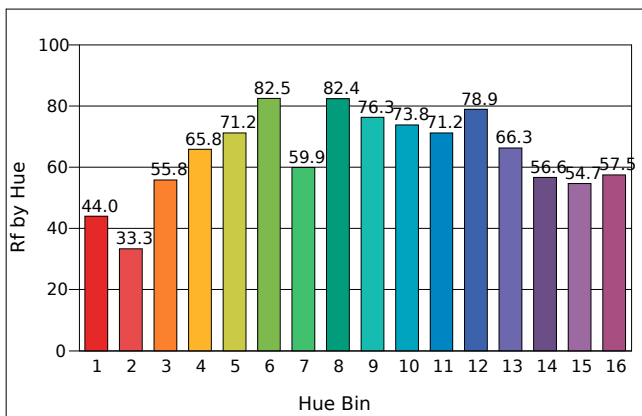
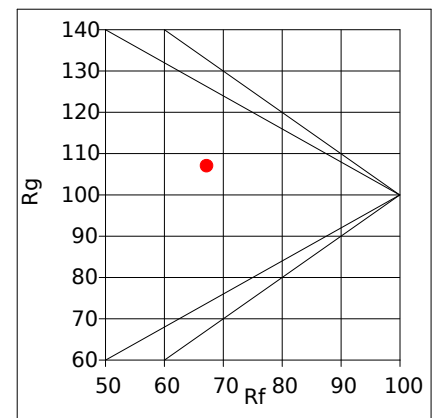
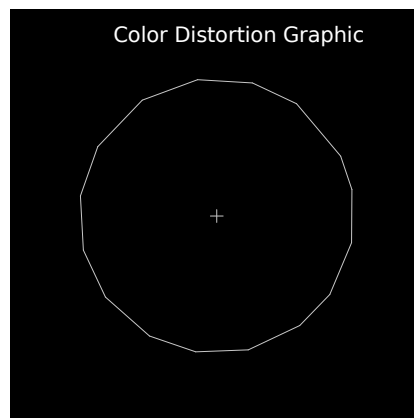
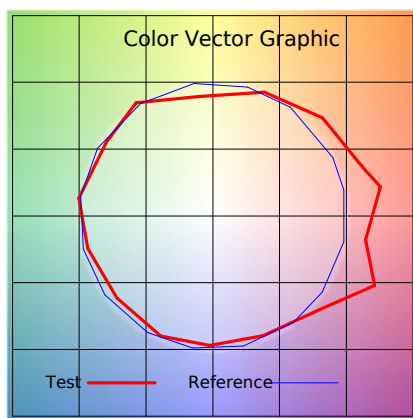
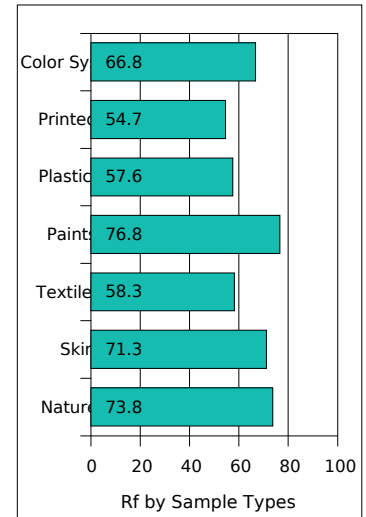
Remark :

Rf: 67.2 CCT(K): 100000u': 0.1616

Rg: 107.0 LER: 213.4 Duv: 0.0144 v': 0.2493



Hue Bin	Graphic Shifts (%)		
	Rf	Chroma	Hue
1	44.0	27.4%	-2.7%
2	33.3	14.8%	-20.5%
3	55.8	6.7%	-24.4%
4	65.8	-1.4%	-13.1%
5	71.2	-10.3%	-3.1%
6	82.5	2.4%	2.3%
7	59.9	-2.8%	-7.9%
8	82.4	1.1%	1.6%
9	76.3	-3.3%	0.1%
10	73.8	-6.1%	7.1%
11	71.2	-3.3%	9.6%
12	78.9	-4.4%	12.3%
13	66.3	-4.5%	15.7%
14	56.6	3.6%	25.2%
15	54.7	29.8%	25.6%
16	57.5	15.8%	4.6%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 RGB

Manufacturer : -

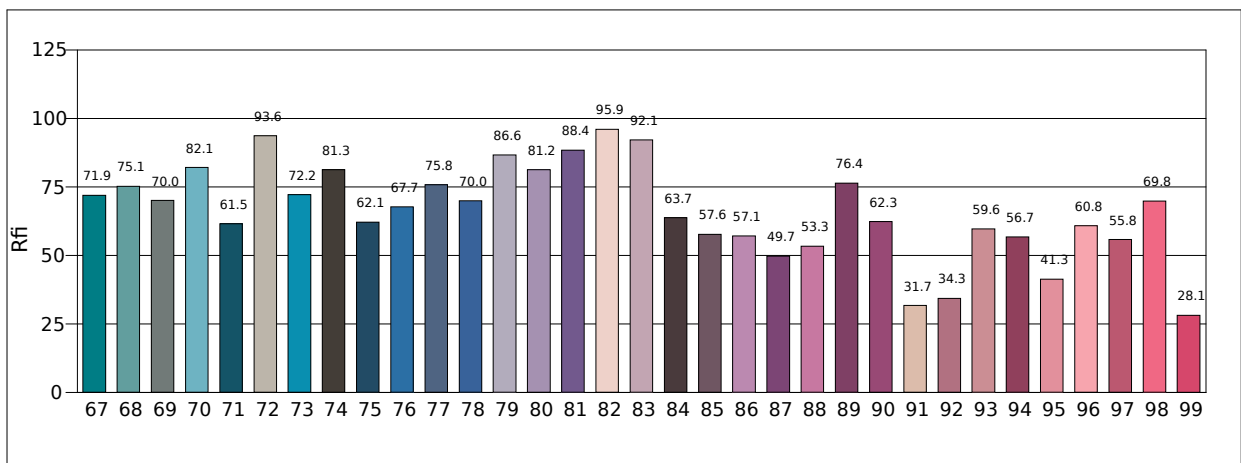
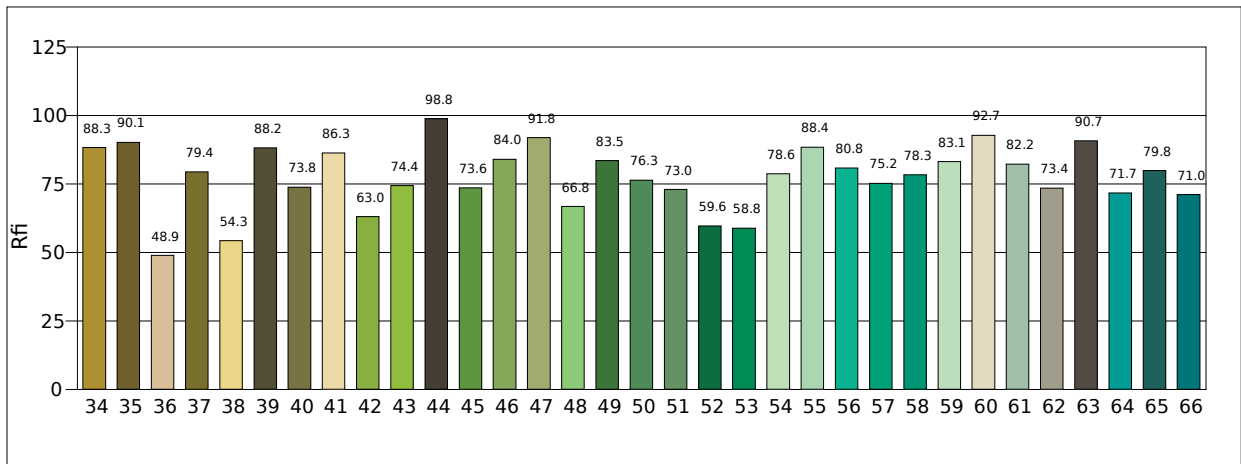
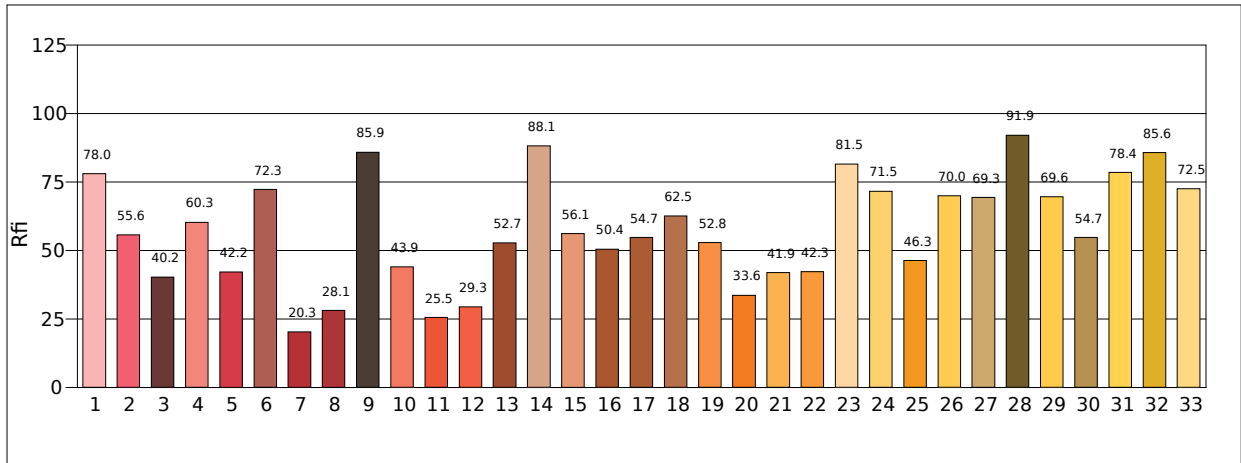
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 B

Manufacturer : -

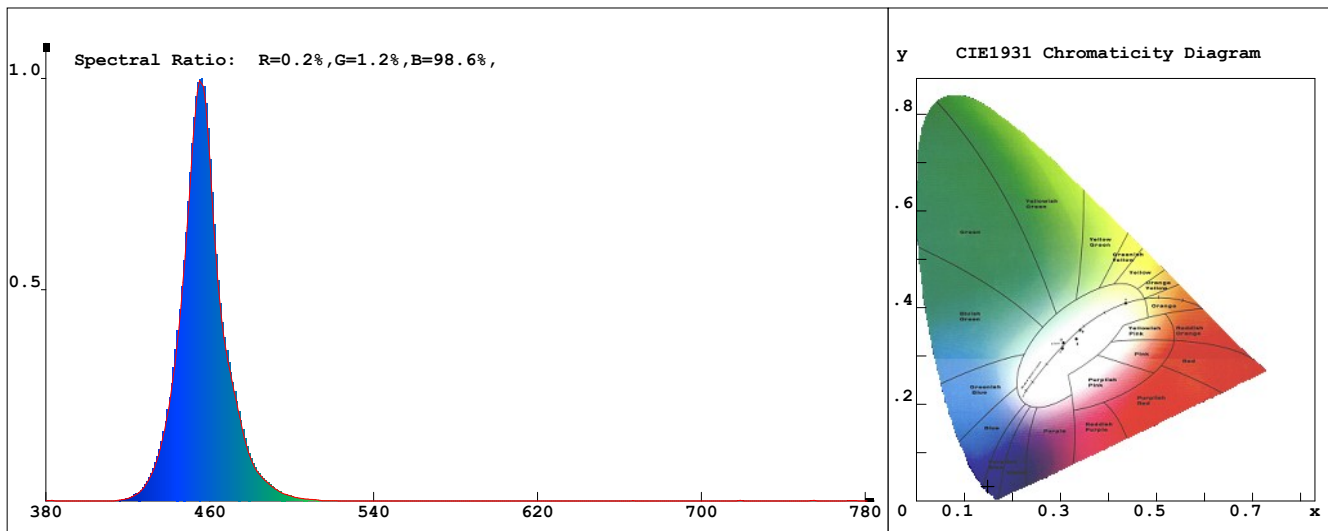
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1484 y=0.0303 u=0.1935 v=0.0592 duv=-0.0637

CCT:100000K Dominant Wave.:458.3nm Purity:99.0% Centre Wave:454.4nm

Flux RGB Ratio:R=0.1%,G=6.9%,B=93.0% Peak Wave:454.8nm Half Width:17.9nm

Rendering Index:Ra=-67.3 CRI=133.9

R1 =-26 R2 =-72 R3 =-171 R4 =-91 R5 =1 R6 =-72 R7 =-62 R8 =-43

R9 =-293 R10=-298 R11=-118 R12=-143 R13=-55 R14=-44 R15=-10

PPF:4.216umol/s (400-700nm)

PRF:1.1mW(400-700nm)

PAR:0.8mW(400-700nm)

Photo Parameters

Flux:52.08lm Effi.:9.2lm/W Radiant:1107.2mW Iv:0.0mcd

Scotopic Flux:1156.3Plm Effi.:0.0Plm/W S/P:22.2

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:4225.940umol/s (380-780nm)

Ele. Parameters

Forward Current:If=246.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.04V

Reverse Current:Ir=0.00uA

Power:P=5.691W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 59.444ms

VPeak: 13880

VDark: 1352

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 B

Manufacturer : -

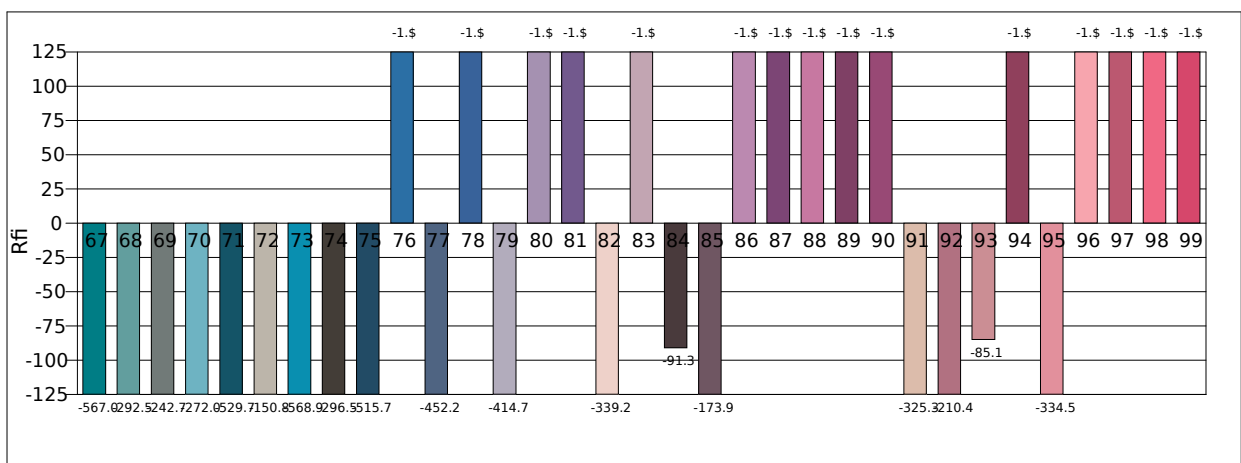
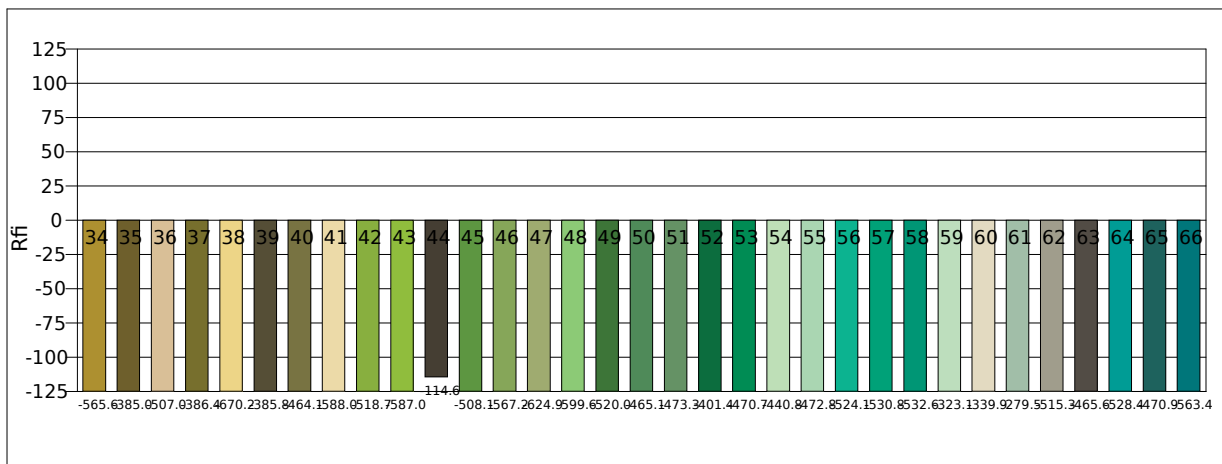
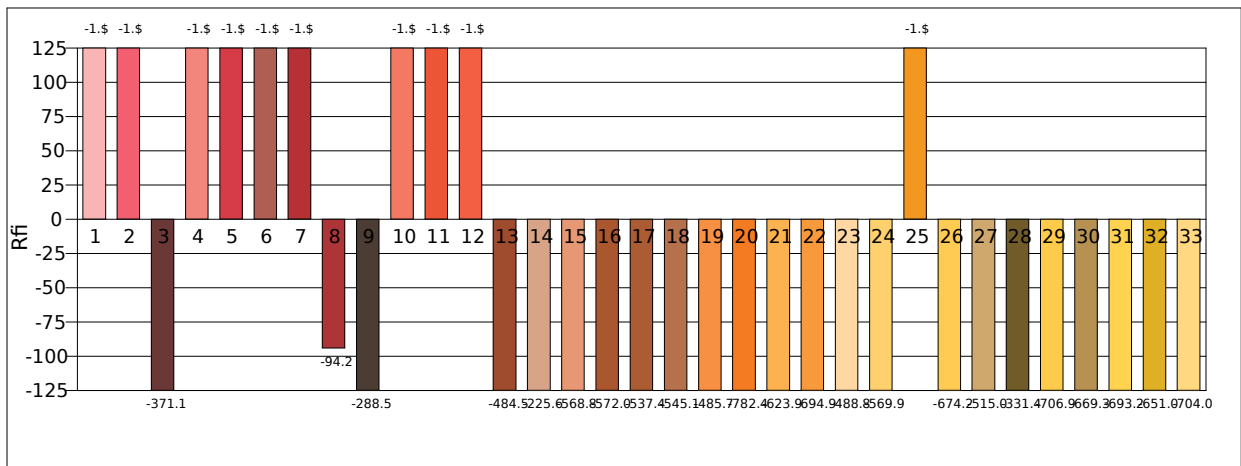
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 G

Manufacturer : -

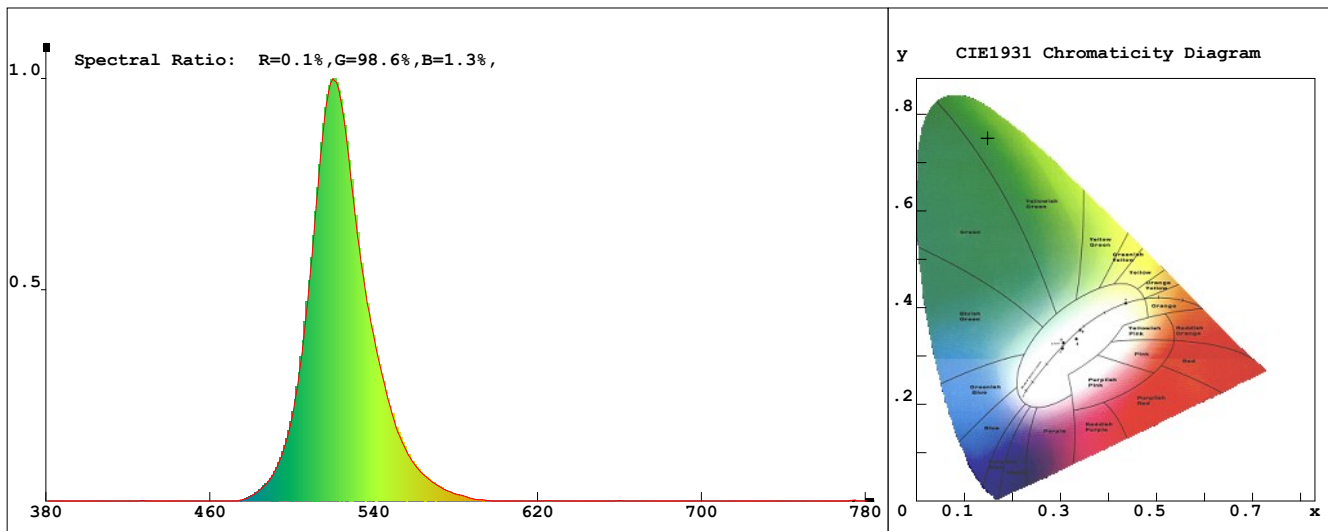
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.1482 y=0.7504 u=0.0506 v=0.3845 duv=0.1662

CCT: 8157K Dominant Wave.:525.1nm Purity:84.7% Centre Wave:521.0nm

Flux RGB Ratio:R=0.0%,G=99.7%,B=0.3% Peak Wave:519.6nm Half Width:27.1nm

Rendering Index:Ra=-33.7 CRI=110.0

R1 =-40 R2 =-19 R3 =-41 R4 =-76 R5 =-14 R6 =-25 R7 =-17 R8 =-37

R9 =-367 R10=-129 R11=-107 R12=-46 R13=-48 R14=29 R15=-35

PPF:3.037umol/s (400-700nm)

PRF:0.7mW (400-700nm)

PAR:0.5mW (400-700nm)

Photo Parameters

Flux:376.04lm Effi.:57.1lm/W Radiant:693.8mW Iv:0.0mcd

Scotopic Flux:1095.5Plm Effi.:0.0Plm/W S/P:2.9

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:3038.580umol/s (380-780nm)

Ele. Parameters

Forward Current:If=286.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.04V

Reverse Current:Ir=0.00uA

Power:P=6.591W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 118.888ms

VPeak: 13624

VDark: 1381

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 G

Temperature : 'C

Operator : -

Remark :

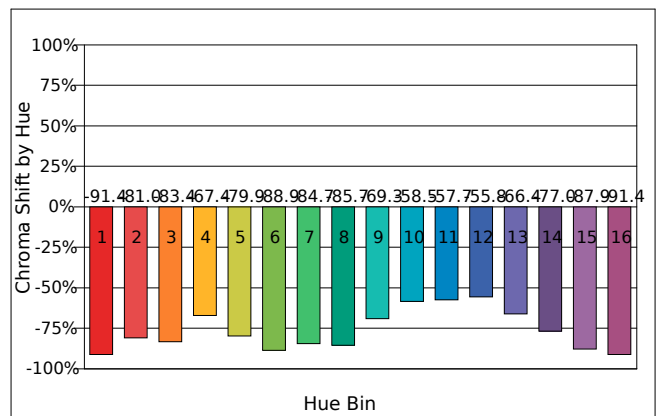
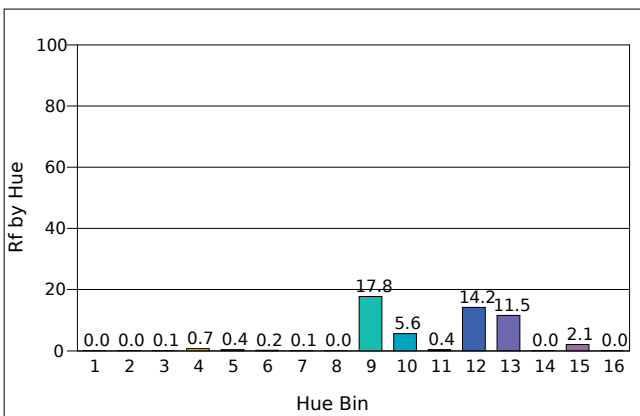
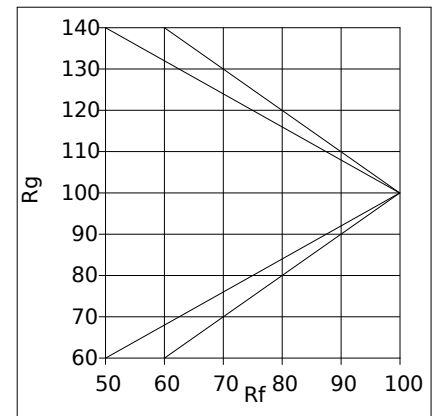
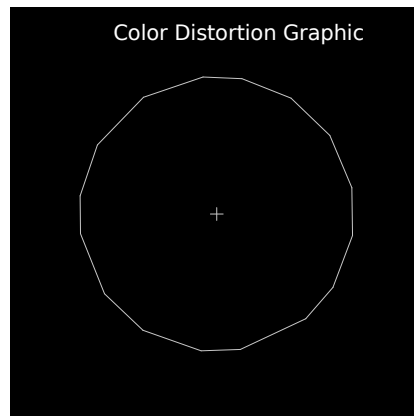
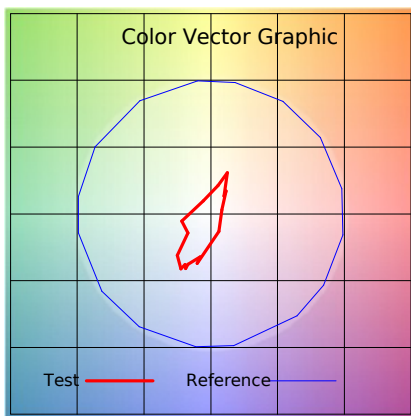
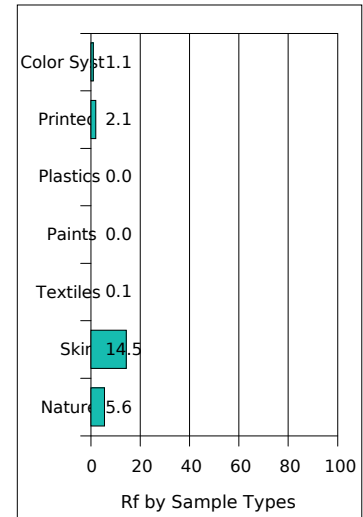
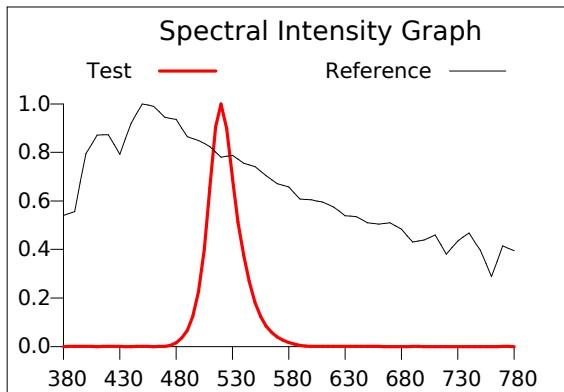
Manufacturer : -

Humidity : -%

Test Date : 2025-03-20

Rf: 0.2 CCT(K): 8157 u': 0.0506
 Rg: 3.5 LER: 488.7 Duv: 0.1662 v': 0.3845

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-91.4%	1.9%
2	0.0	-81.0%	6.1%
3	0.1	-83.4%	-2.7%
4	0.7	-67.4%	-7.4%
5	0.4	-79.9%	0.1%
6	0.2	-88.9%	2.2%
7	0.1	-84.7%	10.0%
8	0.0	-85.7%	10.8%
9	17.8	-69.3%	31.0%
10	5.6	-58.5%	18.8%
11	0.4	-57.7%	2.6%
12	14.2	-55.8%	-18.8%
13	11.5	-66.4%	-21.7%
14	0.0	-77.0%	-36.0%
15	2.1	-87.9%	-39.0%
16	0.0	-91.4%	-15.5%



IES TM-30-2015 Test Report

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Manufacturer : -

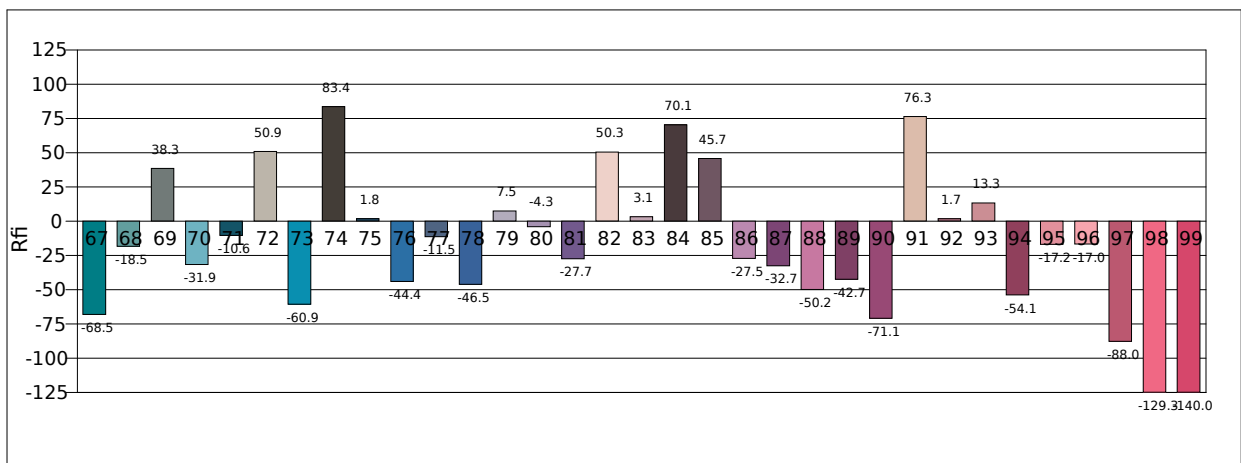
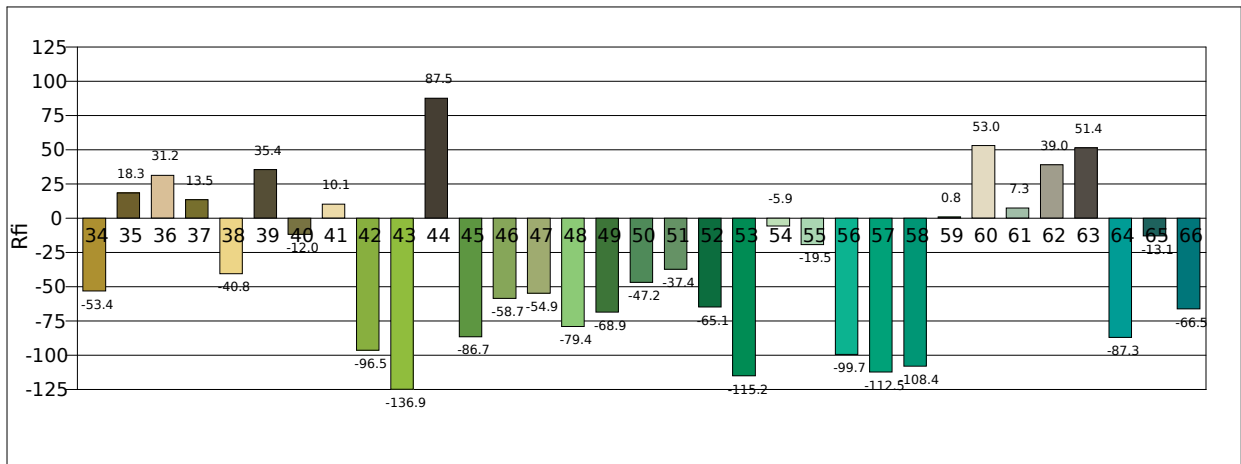
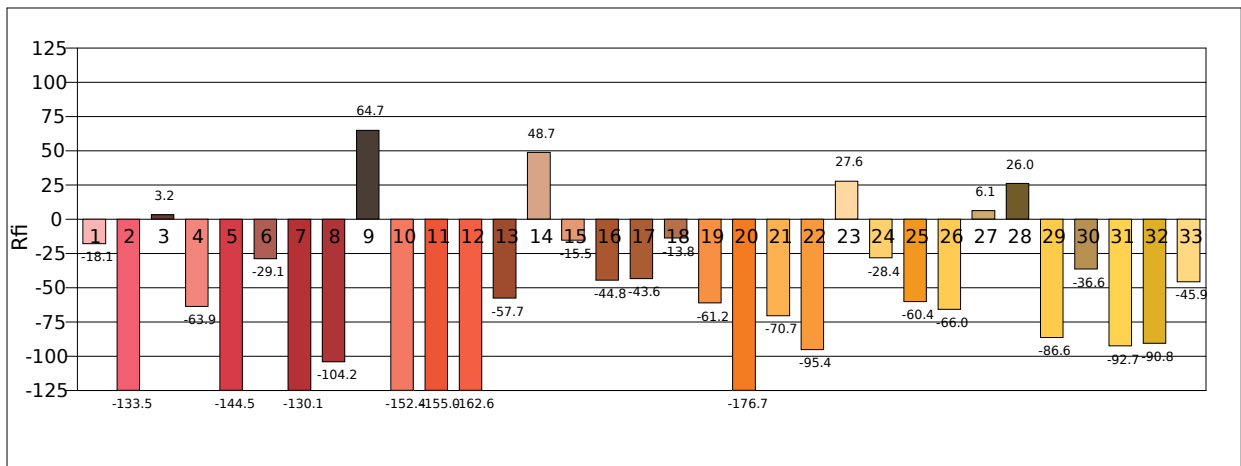
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :



LED Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 R

Manufacturer : -

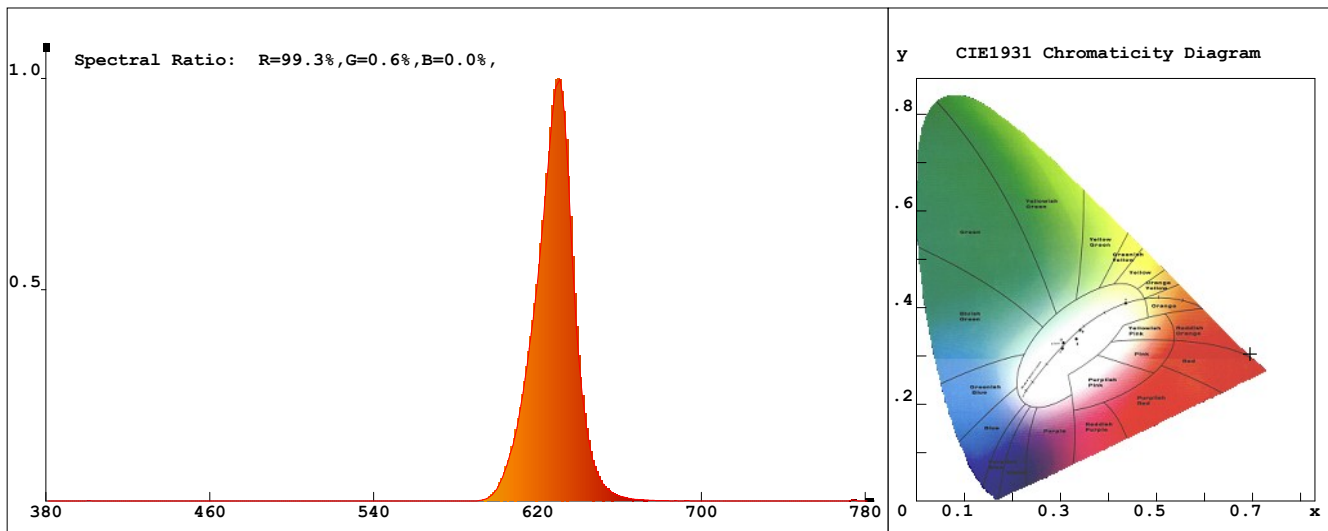
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark:



Chroma Parameters

Chro.Coord.:x=0.6951 y=0.3040 u=0.5289 v=0.3469 duv=-0.0008

CCT: 1356K Dominant Wave.:622.3nm Purity:99.8% Centre Wave:627.7nm

Flux RGB Ratio:R=98.6%,G=1.4%,B=0.0% Peak Wave:629.6nm Half Width:18.6nm

Rendering Index:Ra=-24.1 CRI=108.7

R1 =-56 R2 =46 R3 =14 R4 =-74 R5 =-39 R6 =54 R7 =-17 R8 =-120

R9 =-356 R10=30 R11=-89 R12=17 R13=-31 R14=42 R15=-92

PPF:1.859umol/s (400-700nm)

PRF:0.4mW (400-700nm)

PAR:0.4mW (400-700nm)

Photo Parameters

Flux:72.16lm Effi.:10.8lm/W Radiant:355.1mW Iv:0.0mcd

Scotopic Flux:3.4Plm Effi.:0.0Plm/W S/P:0.0

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:1861.580umol/s (380-780nm)

Ele. Parameters

Forward Current:If=291.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.04V

Reverse Current:Ir=0.00uA

Power:P=6.700W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 196.609ms

VPeak: 14664

VDark: 1283

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 R

Temperature : 'C

Operator : -

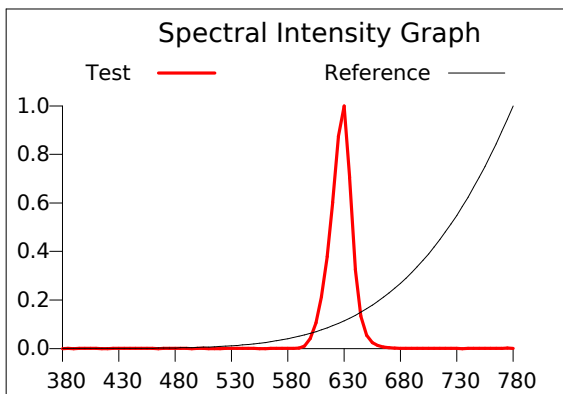
Remark:

Manufacturer : -

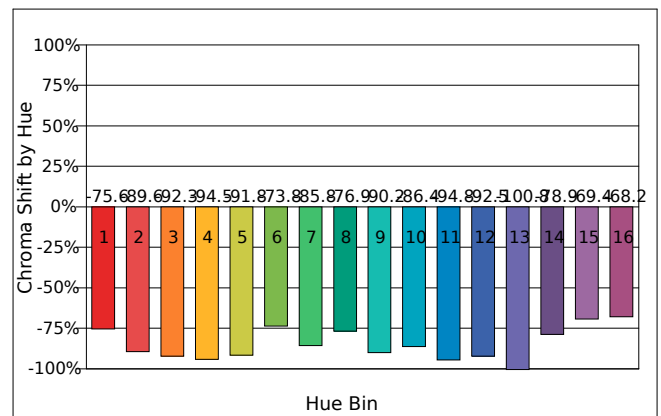
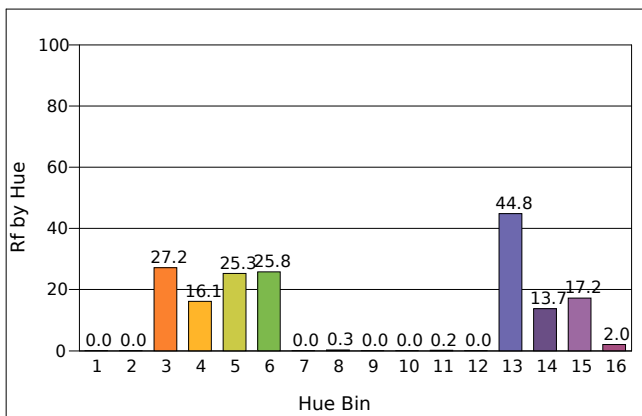
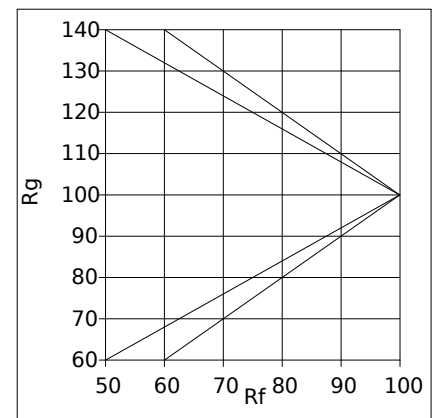
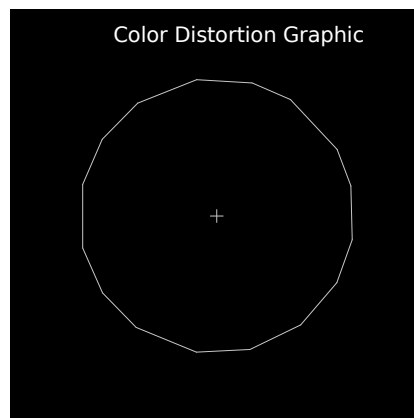
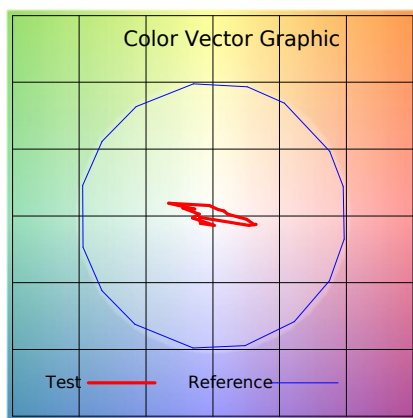
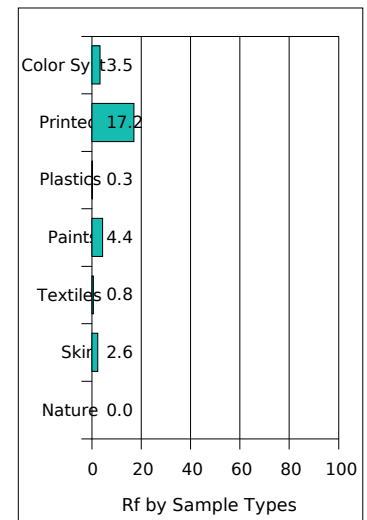
Humidity : -%

Test Date : 2025-03-20

Rf: 0.5 CCT(K): 1356 u': 0.5289
 Rg: 1.0 LER: 209.3 Duv: -0.0008 v': 0.3469



Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-75.6%	-9.9%
2	0.0	-89.6%	3.4%
3	27.2	-92.3%	-7.2%
4	16.1	-94.5%	3.2%
5	25.3	-91.8%	6.2%
6	25.8	-73.8%	20.0%
7	0.0	-85.8%	3.4%
8	0.3	-76.9%	2.1%
9	0.0	-90.2%	-7.2%
10	0.0	-86.4%	-7.7%
11	0.2	-94.8%	8.4%
12	0.0	-92.5%	-12.8%
13	44.8	-100.8%	-14.5%
14	13.7	-78.9%	11.7%
15	17.2	-69.4%	4.3%
16	2.0	-68.2%	-2.4%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORCoRGB-F52-5760R2 R

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

