

LED Test Report

Product Mark

Product Type : ORRGB-F52-1080OR2 RGB

Manufacturer : -

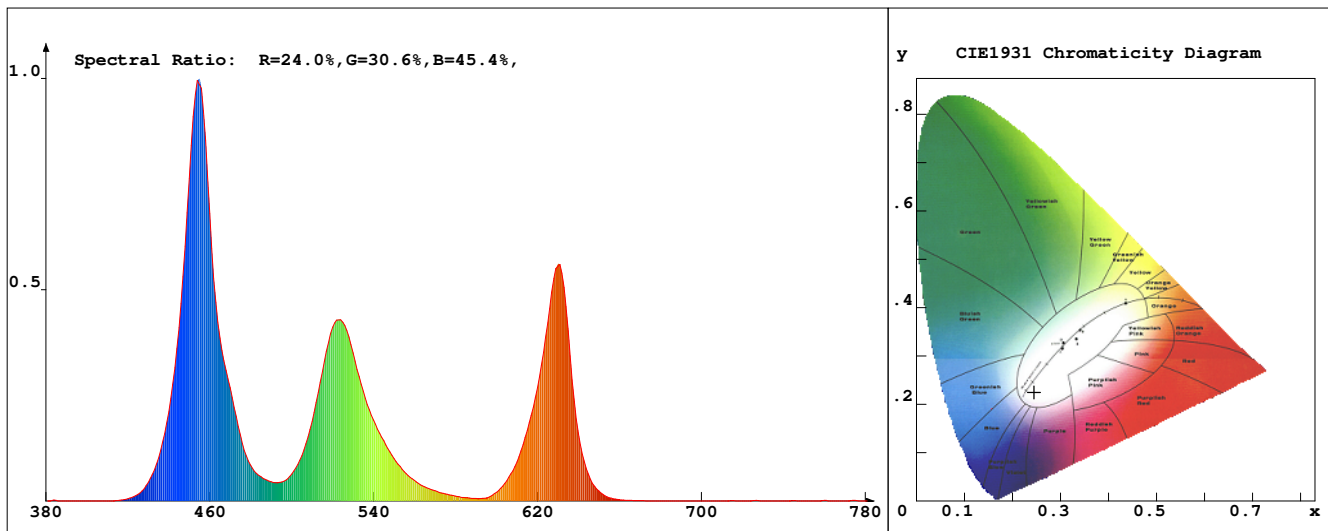
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



Chroma Parameters

Chro.Coord.:x=0.2451 y=0.2248 u=0.1883 v=0.2590 duv=-0.0092

CCT:100000K Dominant Wave.:472.2nm Purity:41.0% Centre Wave:453.4nm

Flux RGB Ratio:R=22.5%,G=70.1%,B=7.4% Peak Wave:453.8nm Half Width:15.9nm

Rendering Index:Ra= 48.0 CRI= 74.6

R1 =29 R2 =78 R3 =58 R4 =30 R5 =53 R6 =77 R7 =62 R8 =-2

R9 =-212 R10=60 R11=8 R12=68 R13=41 R14=71 R15=8

PPF:6.283umol/s (400-700nm)

PRF:1.4mW (400-700nm)

PAR:1.2mW (400-700nm)

Photo Parameters

Flux:353.61lm Effi.:28.1lm/W Radiant:1451.4mW Iv:0.0mcd

Scotopic Flux:1281.1Plm Effi.:0.0Plm/W S/P:3.6

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:6290.800umol/s (380-780nm)

Ele. Parameters

Forward Current:If=542.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.23V

Reverse Current:Ir=0.00uA

Power:P=12.601W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 99.282ms

VPeak: 14952

VDark: 1344

Scan Range: 380-780nm

Product ID: 201508924

www.orizzonteled.com

IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 RGB

Manufacturer : -

Temperature : 'C

Humidity : -%

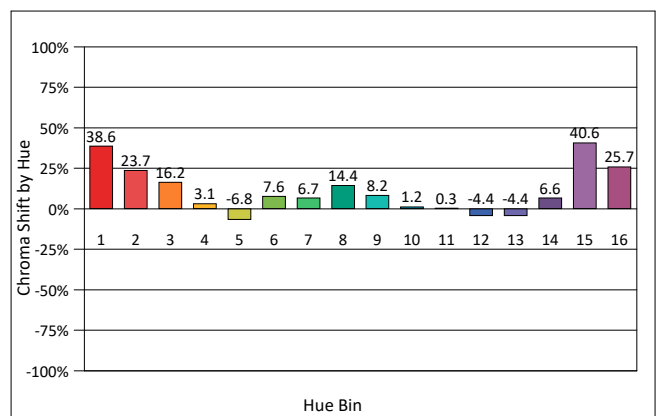
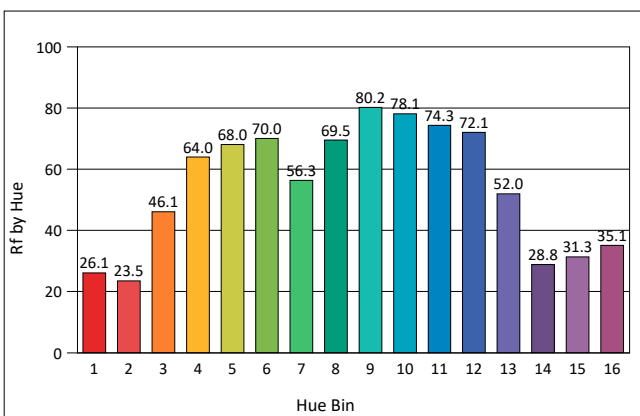
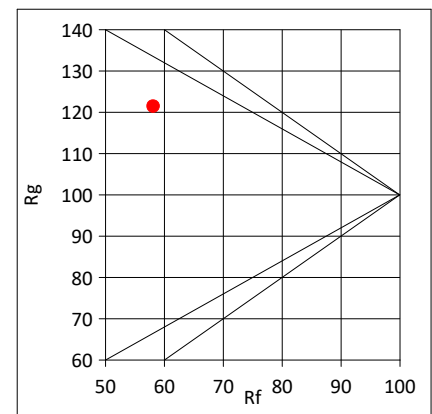
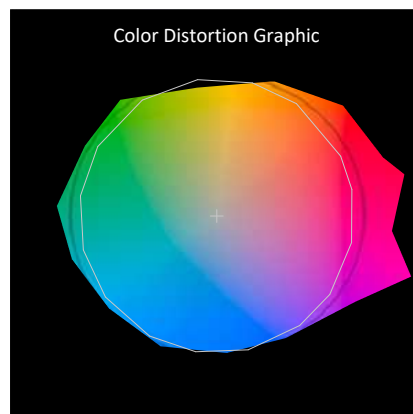
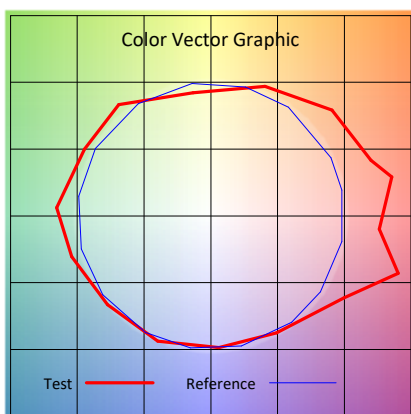
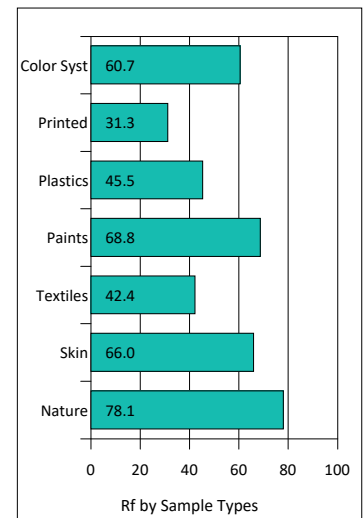
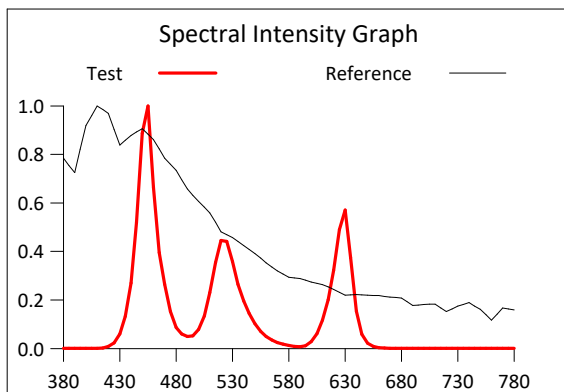
Operator : -

Test Date : 2025-02-12

Remark :

Rf: 58.1 CCT(K): 100000 u': 0.1883
 Rg: 121.4 LER: 224.3 Duv: -0.0092 v': 0.2590

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	26.1	38.6%	2.3%
2	23.5	23.7%	-18.2%
3	46.1	16.2%	-28.4%
4	64.0	3.1%	-14.2%
5	68.0	-6.8%	0.8%
6	70.0	7.6%	12.7%
7	56.3	6.7%	4.8%
8	69.5	14.4%	11.5%
9	80.2	8.2%	4.2%
10	78.1	1.2%	8.2%
11	74.3	0.3%	11.1%
12	72.1	-4.4%	21.0%
13	52.0	-4.4%	27.9%
14	28.8	6.6%	42.8%
15	31.3	40.6%	43.8%
16	35.1	25.7%	14.7%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 RGB

Manufacturer : -

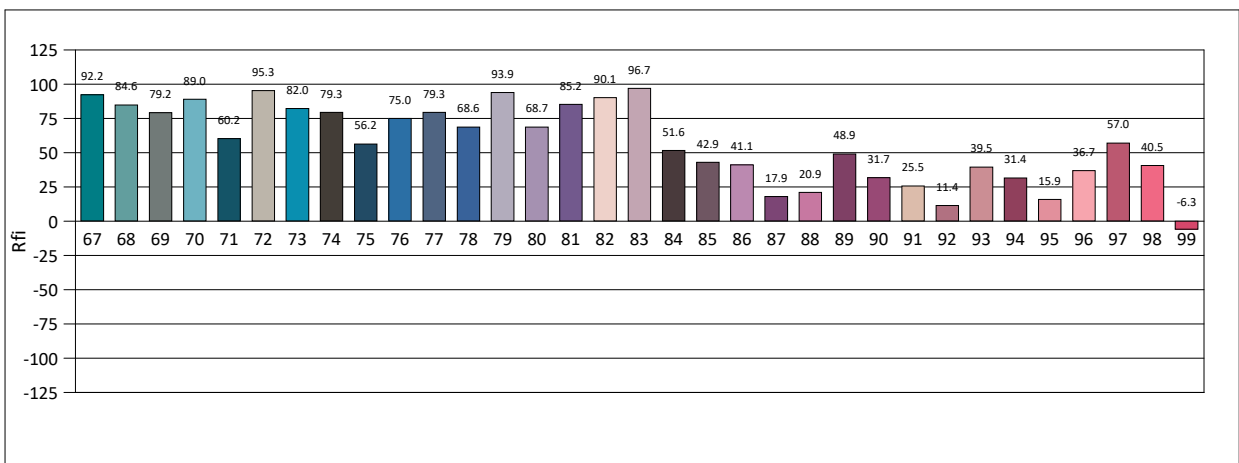
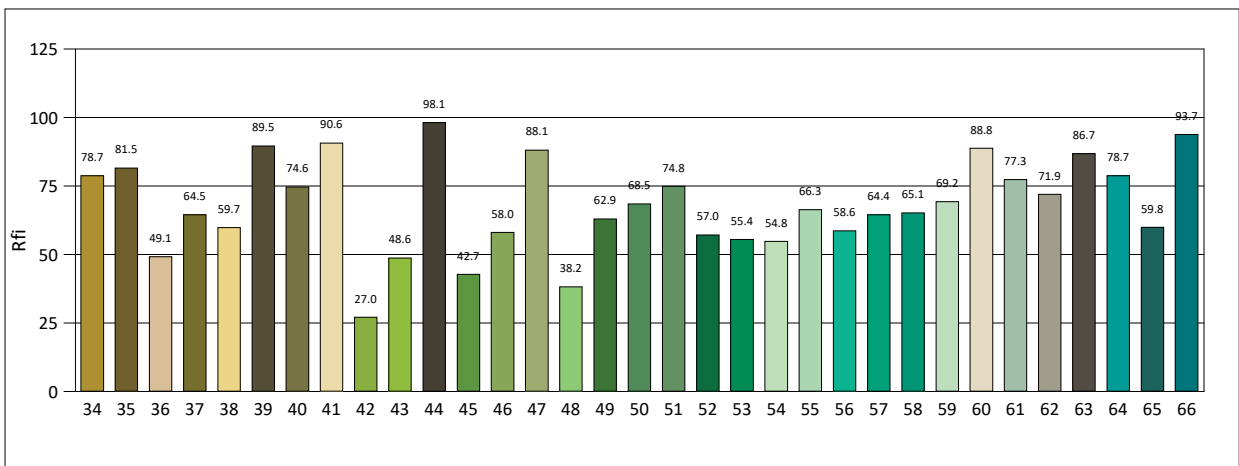
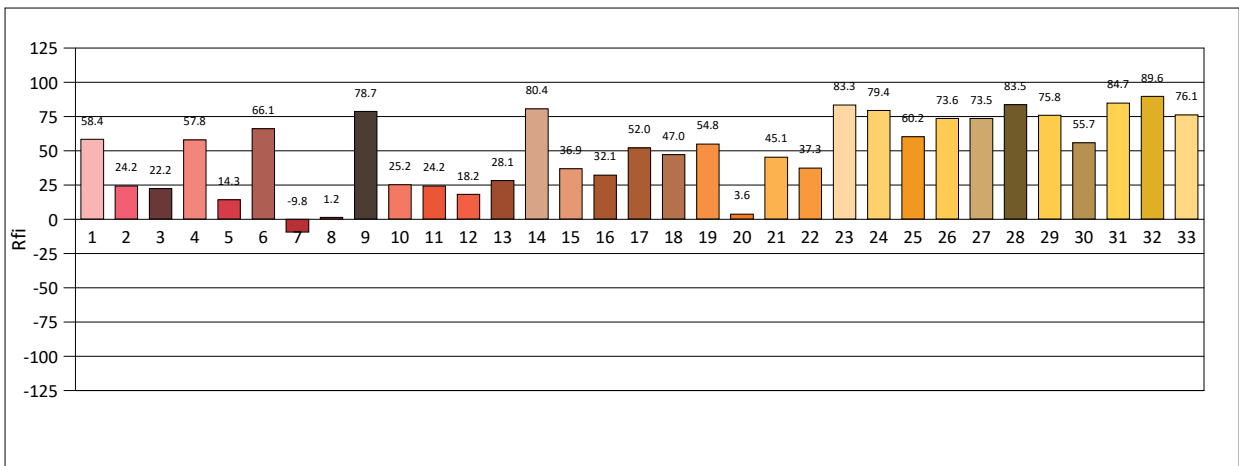
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



LED Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 R

Manufacturer : -

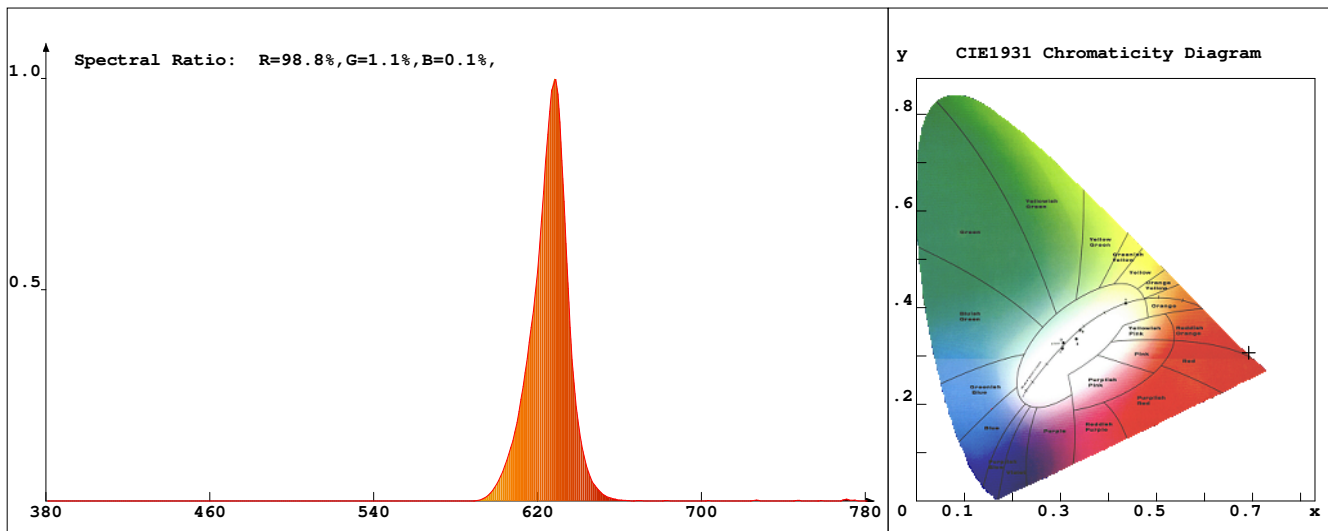
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



Chroma Parameters

Chro.Coord.:x=0.6921 y=0.3070 u=0.5224 v=0.3476 duv=-0.0007

CCT: 1327K Dominant Wave.:620.7nm Purity:99.8% Centre Wave:626.0nm

Flux RGB Ratio:R=97.7%,G=2.3%,B=0.0% Peak Wave:627.5nm Half Width:15.7nm

Rendering Index:Ra=-20.8 CRI=107.1

R1 =-54 R2 =46 R3 =17 R4 =-67 R5 =-31 R6 =65 R7 =-20 R8 =-121

R9 =-350 R10=30 R11=-80 R12=29 R13=-30 R14=45 R15=-91

PPF:1.995umol/s (400-700nm)

PRF:0.4mW (400-700nm)

PAR:0.4mW (400-700nm)

Photo Parameters

Flux:85.20lm Effi.:14.7lm/W Radiant:383.3mW Iv:0.0mcd

Scotopic Flux:4.6Plm Effi.:0.0Plm/W S/P:0.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2002.450umol/s (380-780nm)

Ele. Parameters

Forward Current:If=250.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.23V

Reverse Current:Ir=0.00uA

Power:P=5.821W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 148.625ms

VPeak: 13224

VDark: 1346

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 R

Temperature : 'C

Operator : -

Remark :

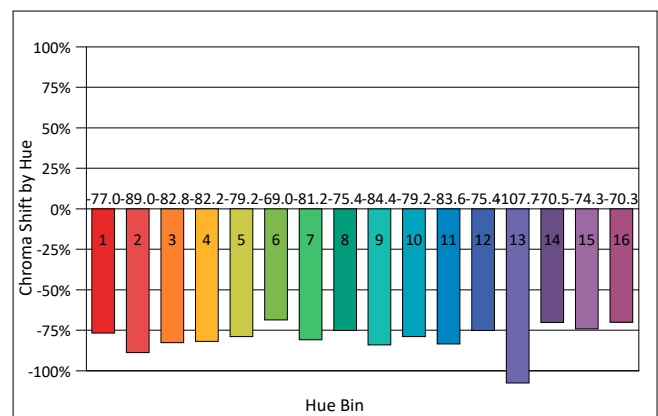
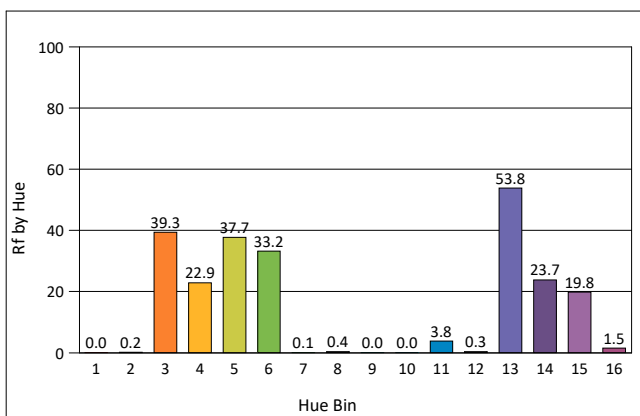
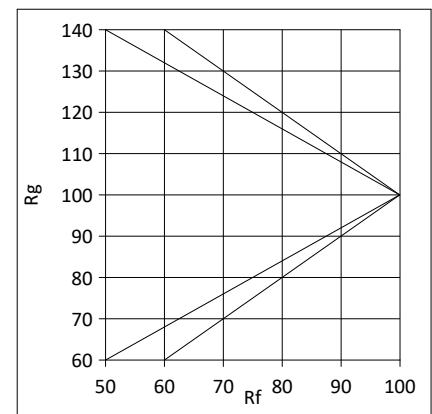
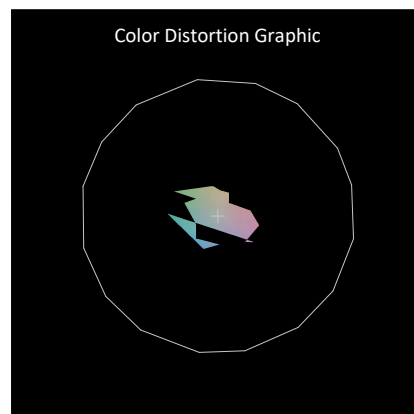
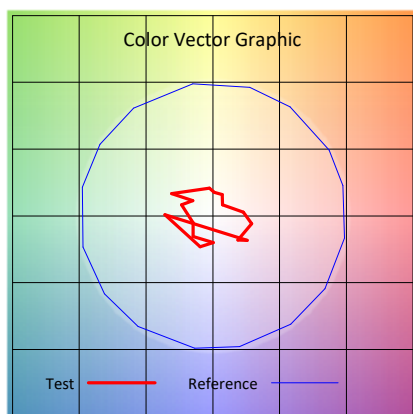
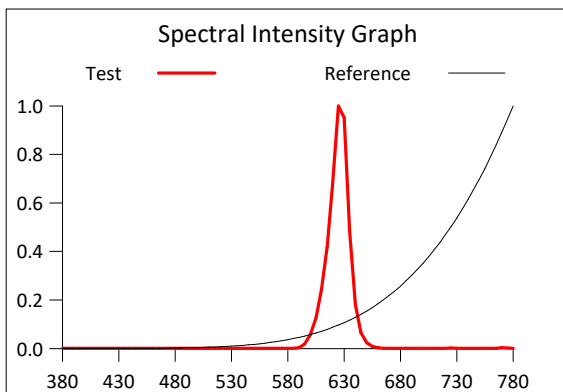
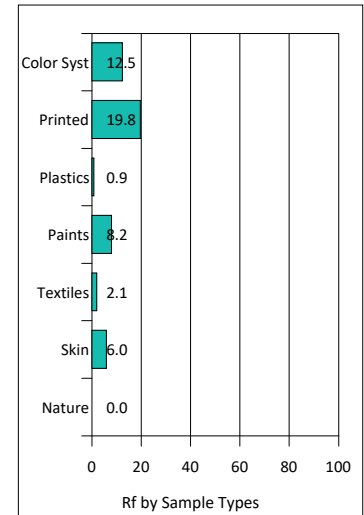
Manufacturer : -

Humidity : -%

Test Date : 2025-02-12

Rf: 1.1 CCT(K): 1327 u': 0.5224
 Rg: 3.5 LER: 224.8 Duv: -0.0007 v': 0.3476

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-77.0%	-4.8%
2	0.2	-89.0%	10.2%
3	39.3	-82.8%	5.9%
4	22.9	-82.2%	10.7%
5	37.7	-79.2%	3.2%
6	33.2	-69.0%	11.7%
7	0.1	-81.2%	-3.5%
8	0.4	-75.4%	-1.7%
9	0.0	-84.4%	-1.7%
10	0.0	-79.2%	1.2%
11	3.8	-83.6%	11.8%
12	0.3	-75.4%	-10.8%
13	53.8	-107.7%	-35.5%
14	23.7	-70.5%	7.8%
15	19.8	-74.3%	-6.0%
16	1.5	-70.3%	-3.1%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 R

Manufacturer : -

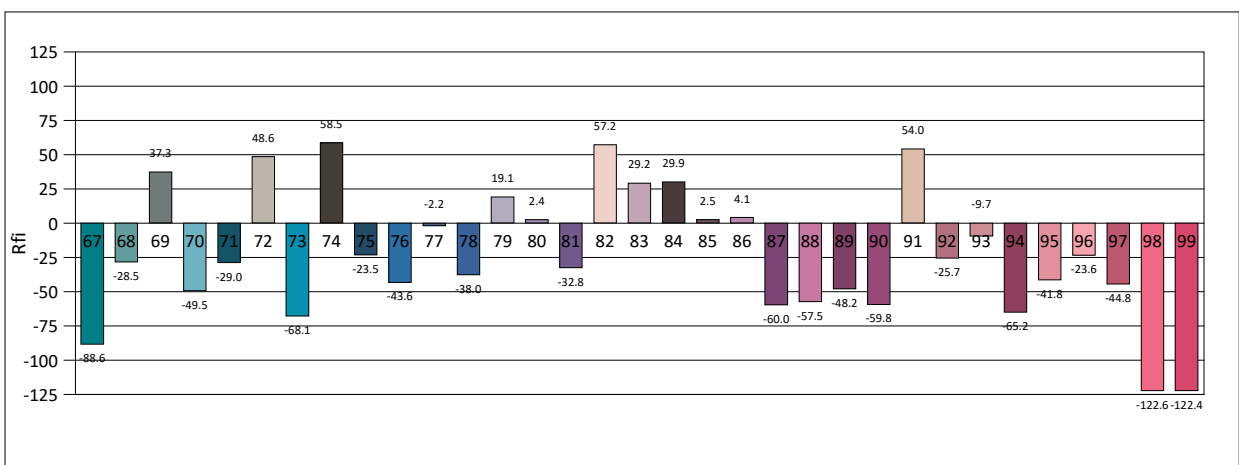
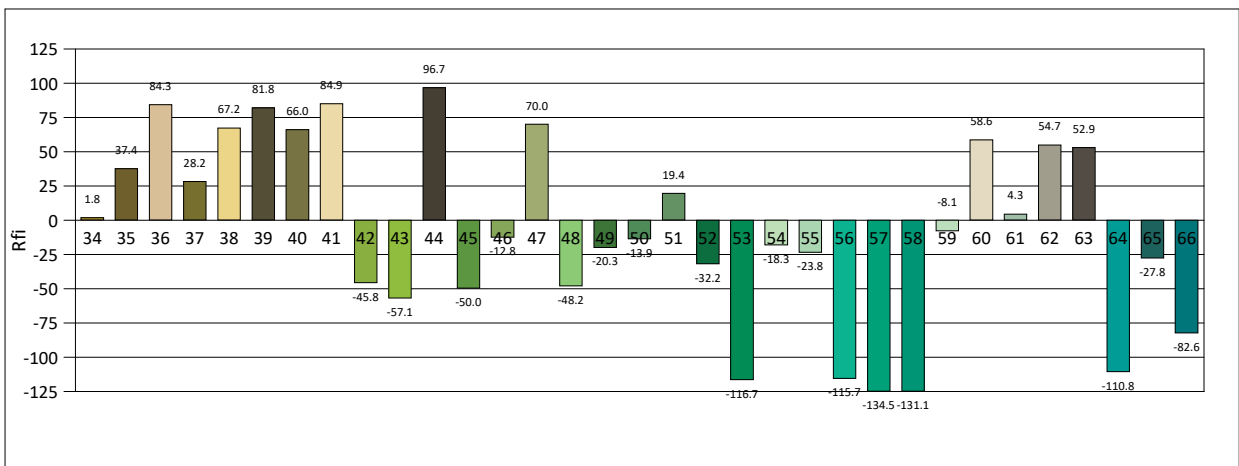
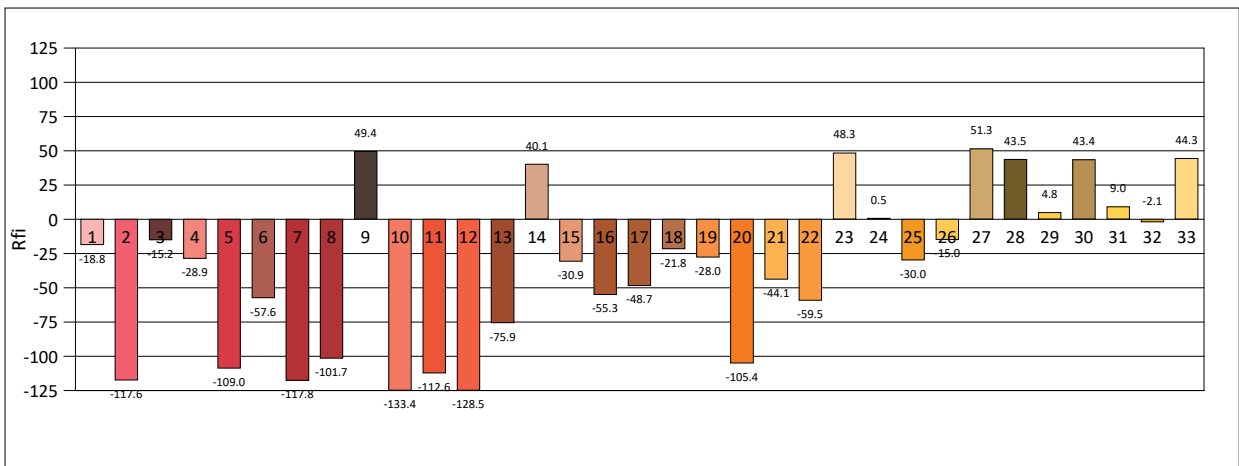
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



LED Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 G

Manufacturer : -

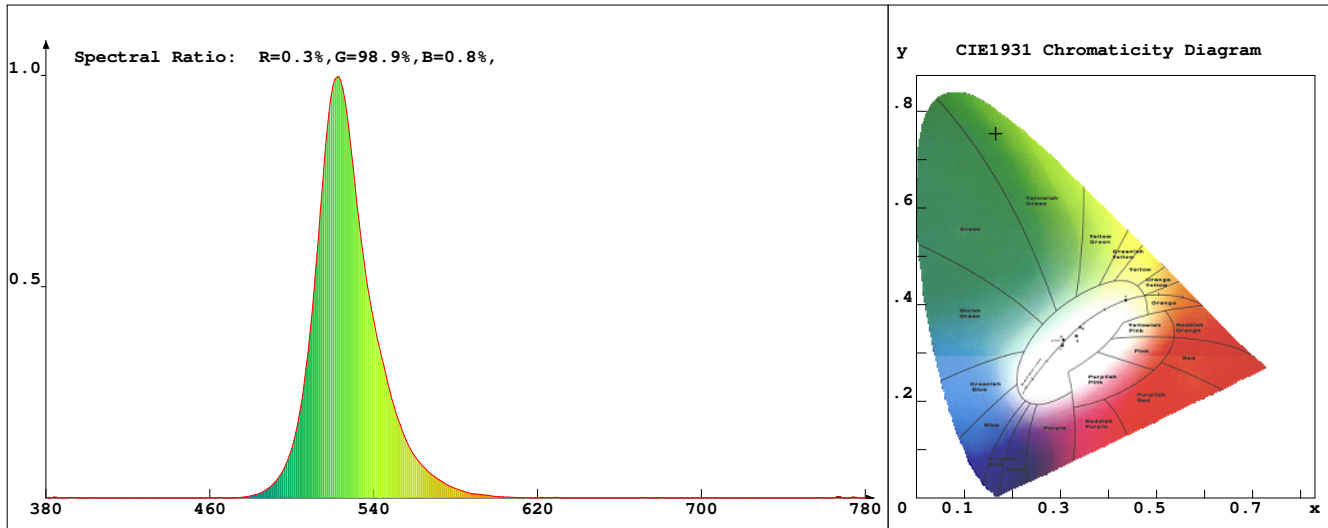
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



Chroma Parameters

Chro.Coord.:x=0.1648 y=0.7540 u=0.0562 v=0.3861 duv=0.1622

CCT: 7757K Dominant Wave.:528.3nm Purity:87.6% Centre Wave:523.1nm

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

Rendering Index:Ra=-34.3 CRI=110.7

R1 =-39 R2 =-20 R3 =-43 R4 =-76 R5 =-14 R6 =-26 R7 =-18 R8 =-39

R9 =-368 R10=-132 R11=-108 R12=-49 R13=-47 R14=28 R15=-36

PPF:2.014umol/s (400-700nm)

PRF:0.5mW (400-700nm)

PAR:0.4mW (400-700nm)

Photo Parameters

Flux:262.80lm Effi.:73.0lm/W Radiant:458.3mW Iv:0.0mcd

Scotopic Flux:708.7Plm Effi.:0.0Plm/W S/P:2.7

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2018.090umol/s (380-780nm)

Ele. Parameters

Forward Current:If=155.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.23V

Reverse Current:Ir=0.00uA

Power:P=3.621W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 186.394ms

VPeak: 14824

VDark: 1379

Scan Range: 380-780nm

Product ID: 201508924

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IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 G

Temperature : 'C

Operator : -

Remark :

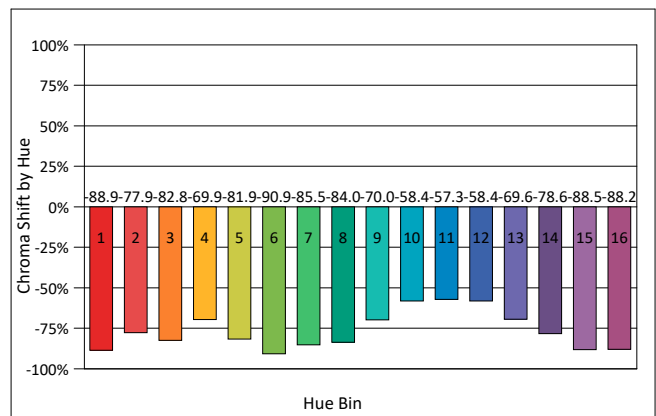
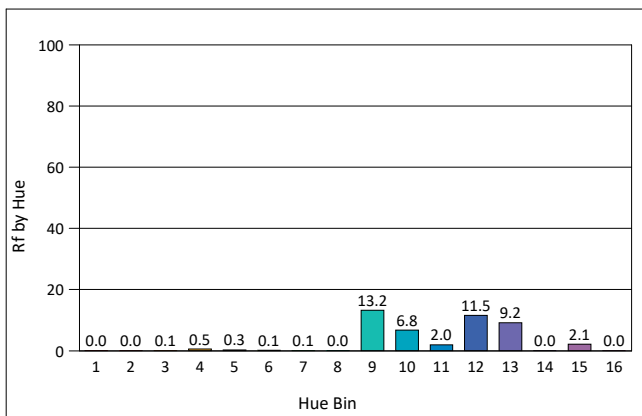
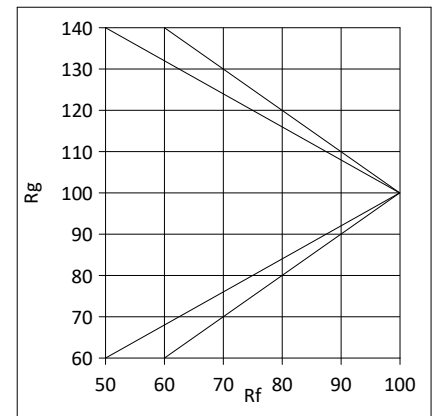
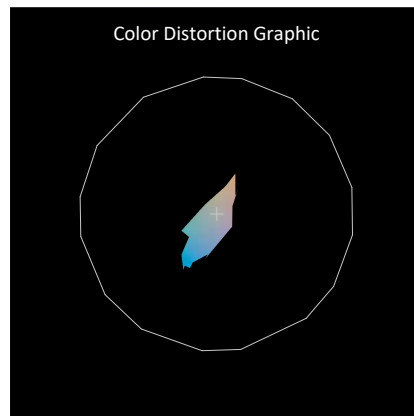
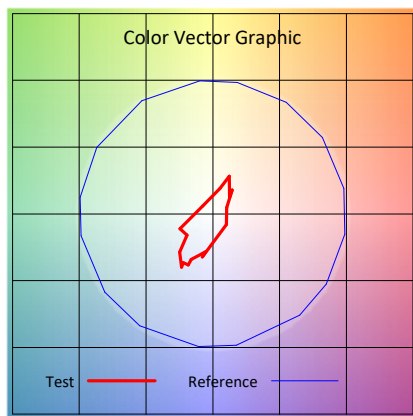
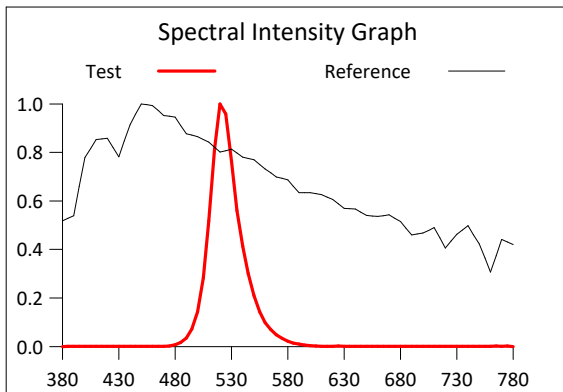
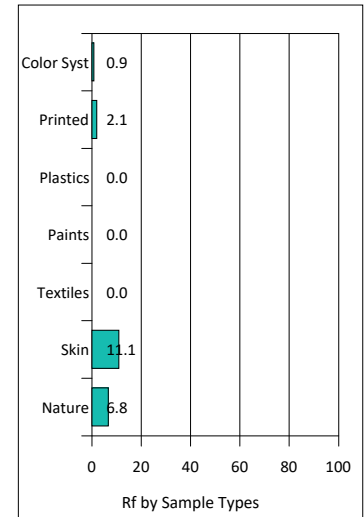
Manufacturer : -

Humidity : -%

Test Date : 2025-02-12

Rf: 0.2 CCT(K): 7757 u': 0.0562
 Rg: 3.6 LER: 511.8 Duv: 0.1622 v': 0.3861

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-88.9%	2.9%
2	0.0	-77.9%	4.8%
3	0.1	-82.8%	-4.4%
4	0.5	-69.9%	-7.9%
5	0.3	-81.9%	1.0%
6	0.1	-90.9%	5.7%
7	0.1	-85.5%	16.1%
8	0.0	-84.0%	12.1%
9	13.2	-70.0%	26.5%
10	6.8	-58.4%	16.5%
11	2.0	-57.3%	0.9%
12	11.5	-58.4%	-19.6%
13	9.2	-69.6%	-20.7%
14	0.0	-78.6%	-32.2%
15	2.1	-88.5%	-34.7%
16	0.0	-88.2%	-10.3%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 G

Manufacturer : -

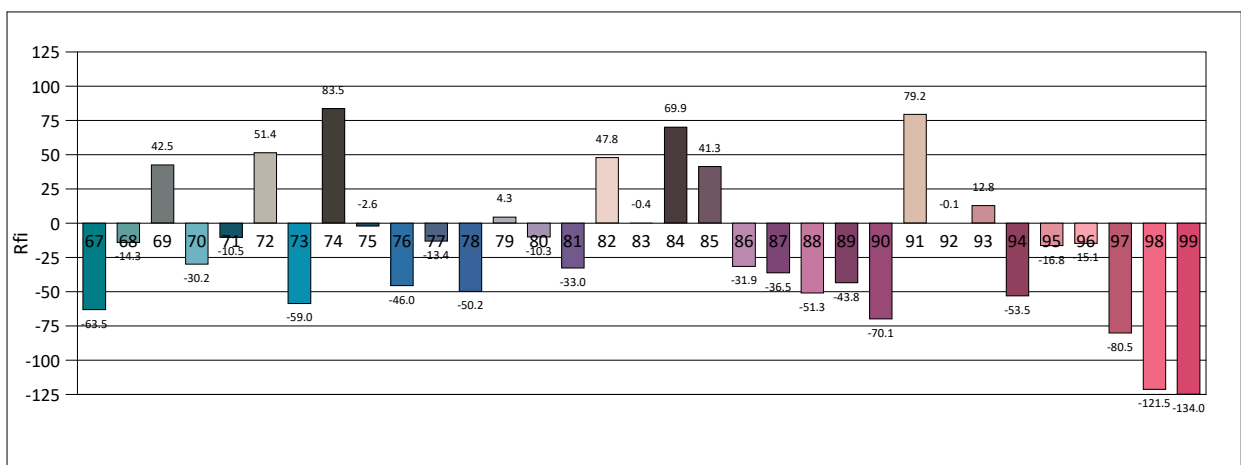
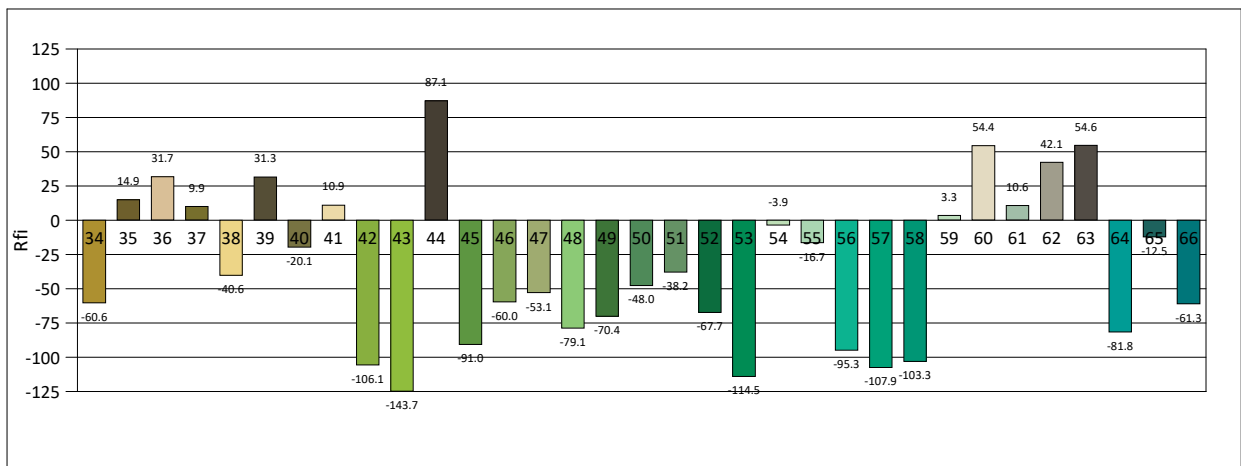
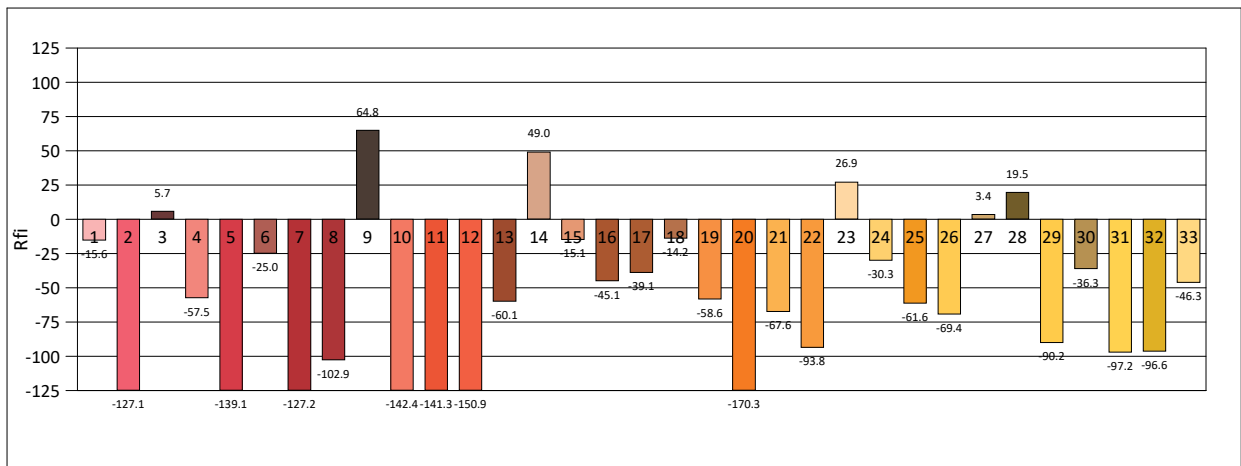
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



LED Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 B

Manufacturer : -

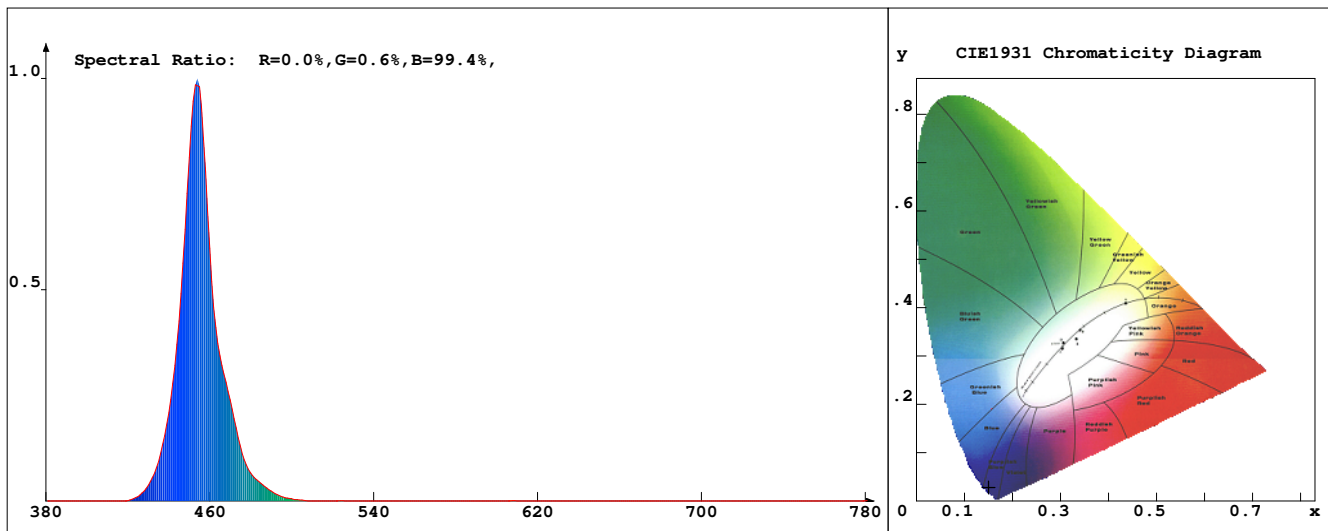
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :



Chroma Parameters

Chro.Coord.:x=0.1502 y=0.0283 u=0.1977 v=0.0558 duv=-0.0686

CCT:100000K Dominant Wave.:457.0nm Purity:99.0% Centre Wave:452.7nm

Flux RGB Ratio:R=0.2%,G=3.1%,B=96.7% Peak Wave:452.8nm Half Width:15.3nm

Rendering Index:Ra=-69.9 CRI=142.9

R1 =-49 R2 =-92 R3 =-186 R4 =-86 R5 =27 R6 =-56 R7 =-62 R8 =-53

R9 =-305 R10=-330 R11=-109 R12=-134 R13=-85 R14=-51 R15=-34

PPF:2.558umol/s (400-700nm)

PRF:0.7mW (400-700nm)

PAR:0.5mW (400-700nm)

Photo Parameters

Flux:32.01lm Effi.:9.6lm/W Radiant:673.1mW Iv:0.0mcd

Scotopic Flux:759.5Plm Effi.:0.0Plm/W S/P:23.7

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2558.400umol/s (380-780nm)

Ele. Parameters

Forward Current:If=144.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.23V

Reverse Current:Ir=0.00uA

Power:P=3.360W

Instrument state

Instrument:Lisun LMS-8000

Integral Time: 99.282ms

VPeak: 15816

VDark: 1225

Scan Range: 380-780nm

Product ID: 201508924

www.orizzonteled.com

IES TM-30-2015 Test Report

Product Mark

Product Type : DING-F52-1080R2 B

Temperature : C

Operator :

Remark :

Manufacturer :

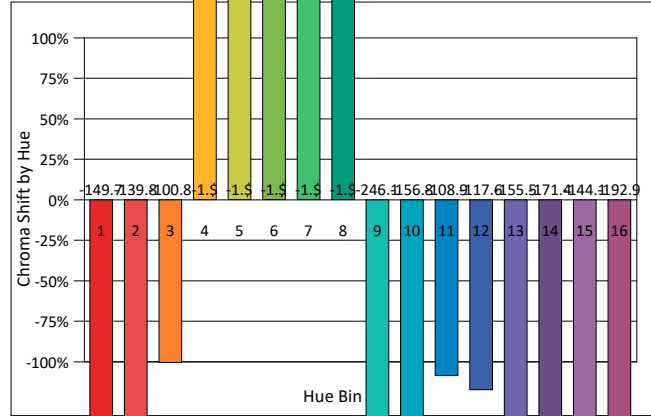
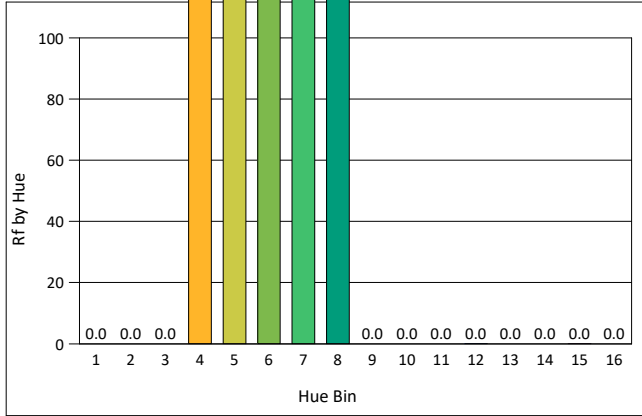
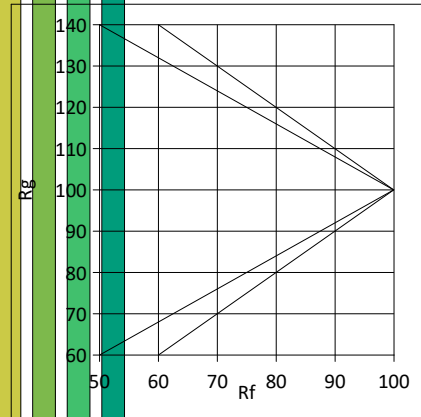
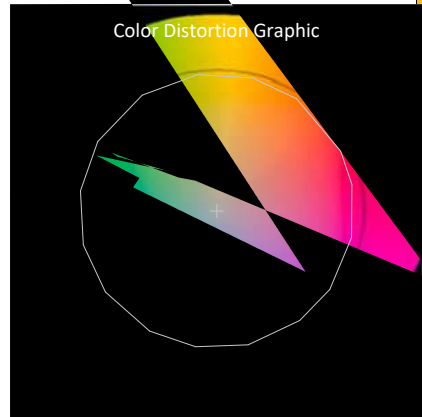
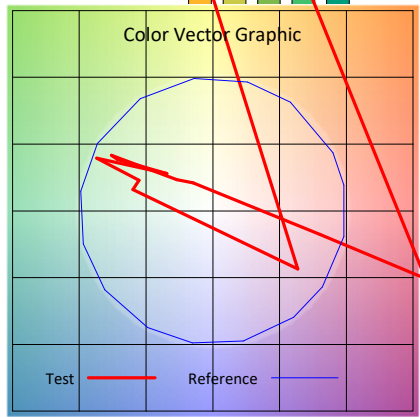
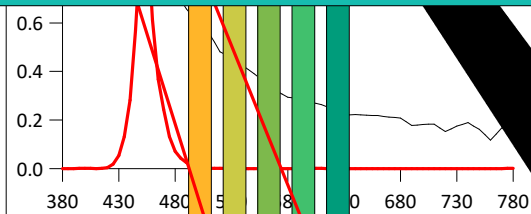
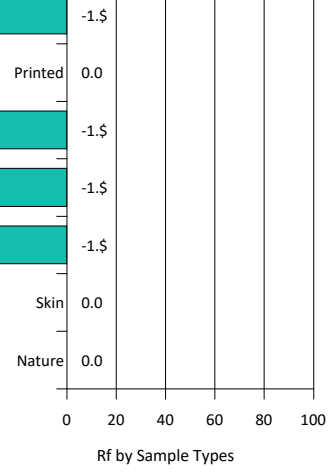
Humidity : -%

Test Date : 2017-12-22

Rf: -214748368.0 u': 0.1977

Graphic Shifts (%)

1	0.0	-149.7%	33.5%
2	0.0	-139.8%	60.4%
3	0.0	-100.8%	-73.9%
4	-1.5	-1.5%	-1.5%
5	-1.5	-1.5%	-1.5%
6	-1.5	-1.5%	-1.5%
7	-1.5	-1.5%	-1.5%
8	-1.5	-1.5%	-1.5%
9	0.0	-156.8%	55.1%
10	0.0	-108.9%	-31.9%
11	0.0	-117.6%	-35.3%
12	0.0	-155.5%	-69.8%
13	0.0	-171.4%	-43.9%
14	0.0	-144.1%	5.8%
15	0.0	-192.9%	21.6%
16	0.0	-192.9%	21.6%



IES TM-30-2015 Test Report

Product Mark

Product Type : ORRGB-F52-10800R2 B

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-02-12

Remark :

