

LED Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 WHITE

Manufacturer :

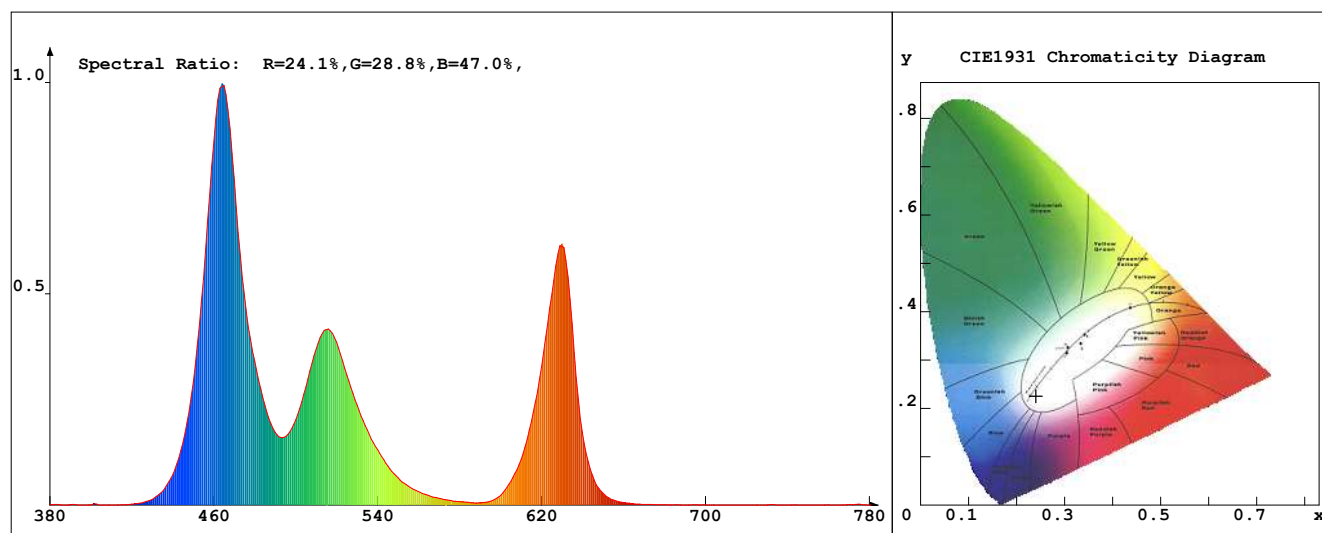
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:47:38

Remark:



Chroma Parameters

Chro.Coord.:x=0.2405 y=0.2256 u=0.1841 v=0.2590 duv=-0.0051

CCT:100000K Dominant Wave.:473.7nm Purity:42.2% Centre Wave:463.5nm

Flux RGB Ratio:R=25.2%,G=62.2%,B=12.6% Peak Wave:462.7nm Half Width:20.5nm

Rendering Index:Ra= 29.6 CRI= 78.6

R1 =7 R2 =36 R3 =57 R4 =34 R5 =33 R6 =34 R7 =50 R8 =-14

R9 =-267 R10=-57 R11=20 R12=43 R13=9 R14=71 R15=-12

PPF:8.640umol/s (400-700nm)

PRF:2.0mW (400-700nm)

PAR:1.6mW (400-700nm)

Photo Parameters

Flux:444.89lm Effi.:37.0lm/W Radiant:1992.3mW Iv:0.0mcd

Scotopic Flux:2004.9Plm Effi.:0.0Plm/W S/P:4.5

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:8654.010umol/s (380-780nm)

Ele. Parameters

Voltage:U=24.82V

Current:I=0.4840A

Power:P=12.031W

Power Factor:PF=1.000

Instrument state

Instrument:Lisun

Integral Time: 95.557ms

VPeak: 15752

VDark: 1267

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 WHITE

Temperature : 1m'C

Operator :

Remark :

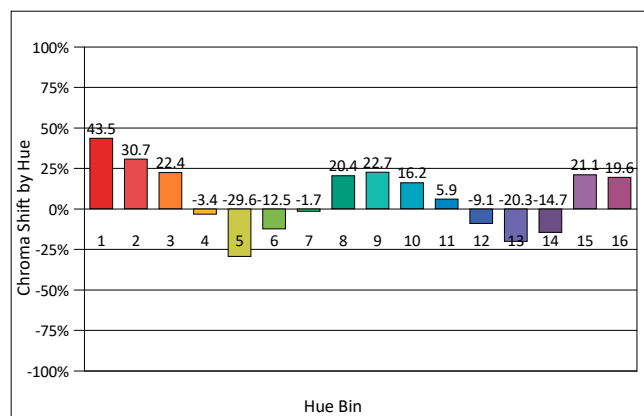
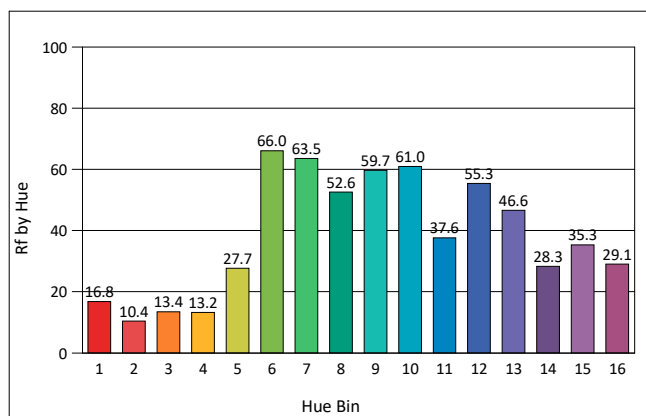
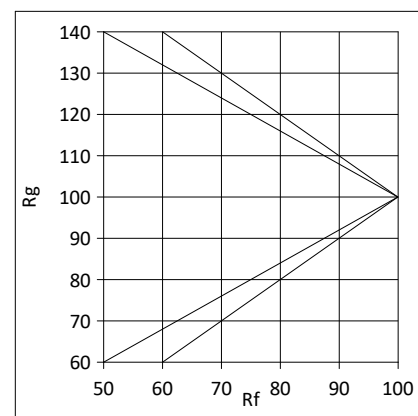
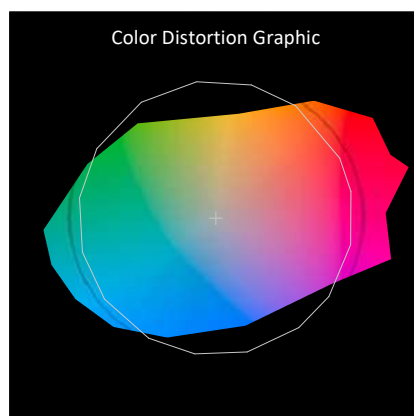
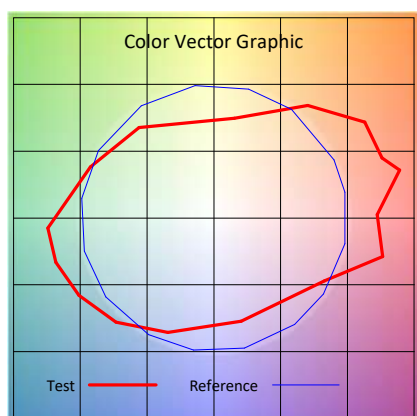
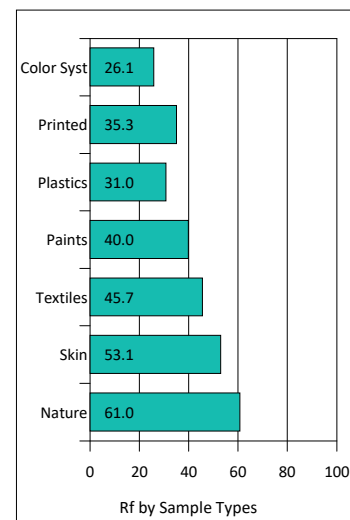
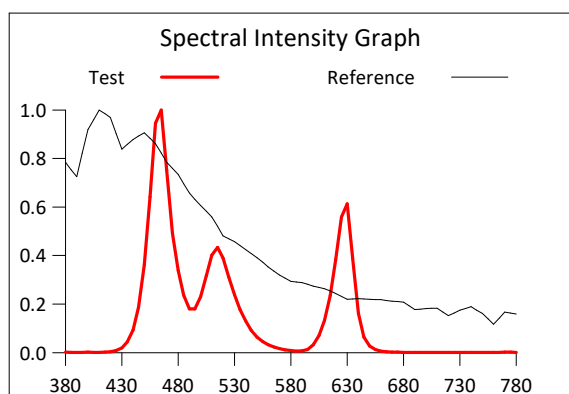
Manufacturer :

Humidity : %

Test Date : 13-04-22 15:47:38

Rf: 39.2 CCT(K): 100000 u': 0.1841
Rg: 102.5 LER: 203.0 Duv: -0.0051 v': 0.2590

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	16.8	43.5%	8.3%
2	10.4	30.7%	-18.6%
3	13.4	22.4%	-51.1%
4	13.2	-3.4%	-45.9%
5	27.7	-29.6%	-24.1%
6	66.0	-12.5%	10.5%
7	63.5	-1.7%	13.4%
8	52.6	20.4%	26.8%
9	59.7	22.7%	4.0%
10	61.0	16.2%	-12.1%
11	37.6	5.9%	-25.4%
12	55.3	-9.1%	-21.3%
13	46.6	-20.3%	1.6%
14	28.3	-14.7%	36.8%
15	35.3	21.1%	47.8%
16	29.1	19.6%	26.3%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 WHITE

Manufacturer :

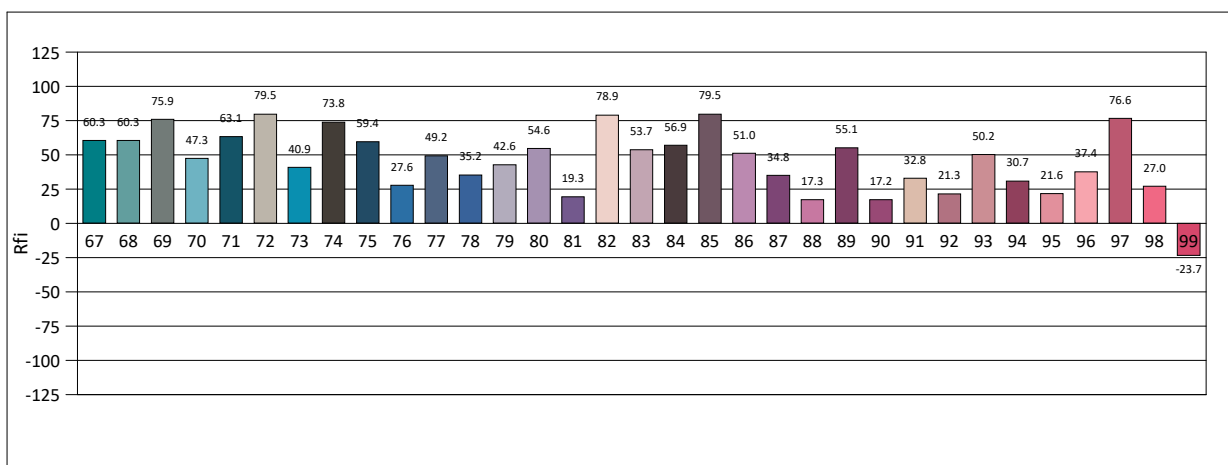
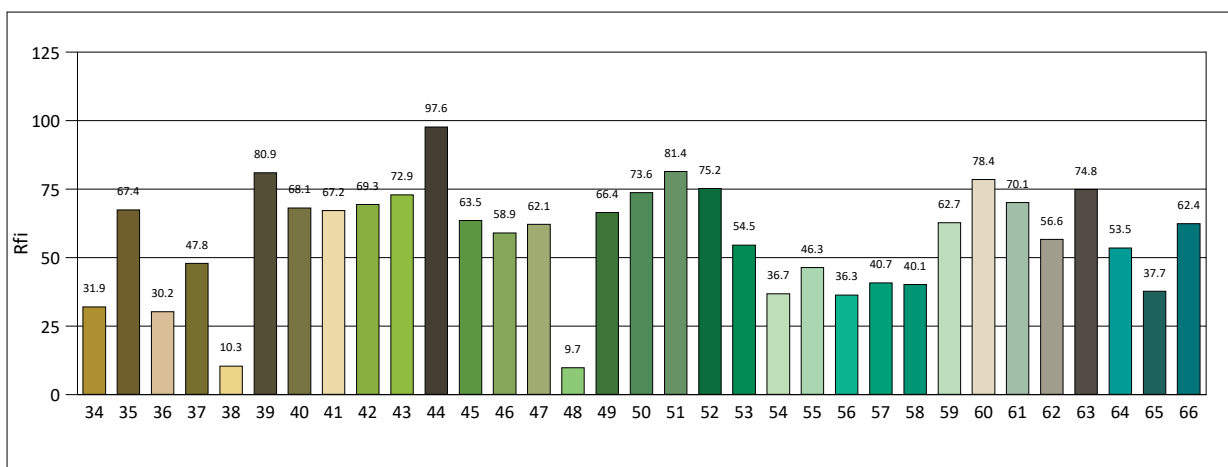
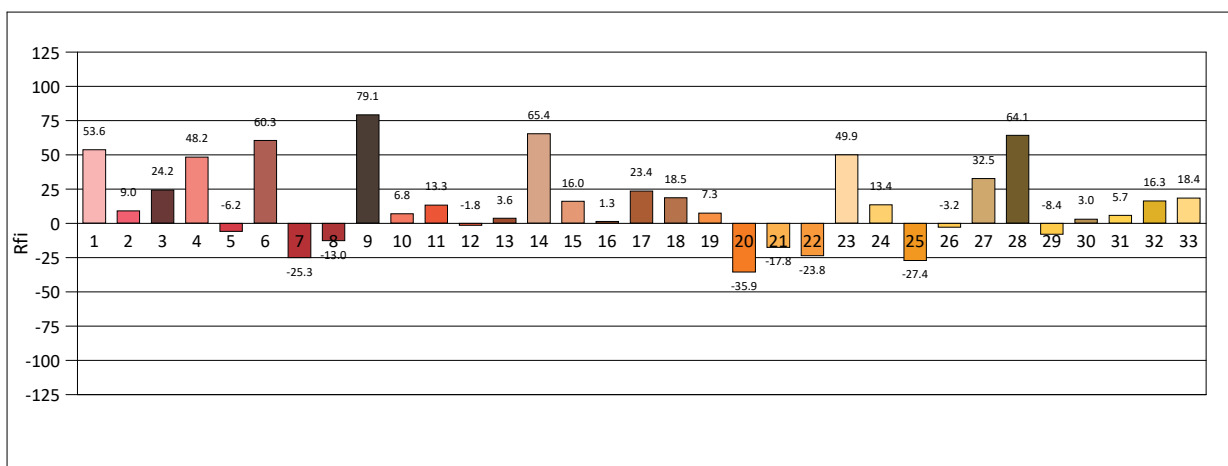
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:47:38

Remark :



LED Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 RED

Manufacturer :

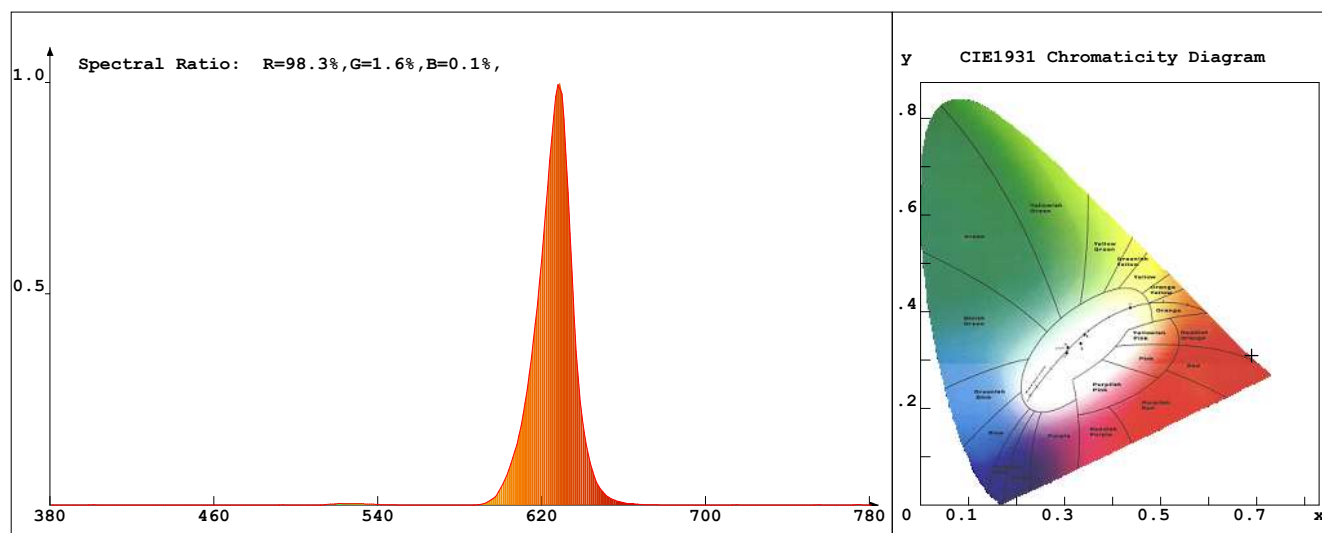
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:42:01

Remark:



Chroma Parameters

Chro.Coord.: x=0.6894 y=0.3097 u=0.5166 v=0.3481 duv=-0.0007

CCT: 1302K Dominant Wave.: 619.4nm Purity: 99.8% Centre Wave: 625.8nm

Flux RGB Ratio: R=96.5%, G=3.5%, B=0.0% Peak Wave: 627.5nm Half Width: 17.0nm

Rendering Index: Ra= 0.1 CRI= 90.7

R1 = -22 R2 = 64 R3 = 20 R4 = -37 R5 = -9 R6 = 76 R7 = -1 R8 = -90

R9 = -299 R10 = 57 R11 = -31 R12 = 59 R13 = 4 R14 = 48 R15 = -61

PPF: 2.462 $\mu\text{mol/s}$ (400-700nm)

PRF: 0.5mW (400-700nm)

PAR: 0.5mW (400-700nm)

Photo Parameters

Flux: 107.54lm Effi.: 27.0lm/W Radiant: 472.6mW Iv: 0.0mcd

Scotopic Flux: 9.0Plm Effi.: 0.0Plm/W S/P: 0.1

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 2467.040 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Voltage: U=23.97V

Current: I=0.1660A

Power: P=4.001W

Power Factor: PF=1.000

Instrument state

Instrument: Lisun

Integral Time: 115.716ms

VPeak: 13368

VDark: 1392

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 RED

Temperature : 1m'C

Operator :

Remark :

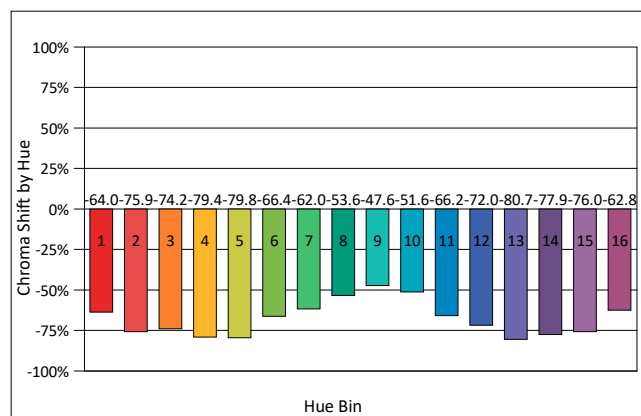
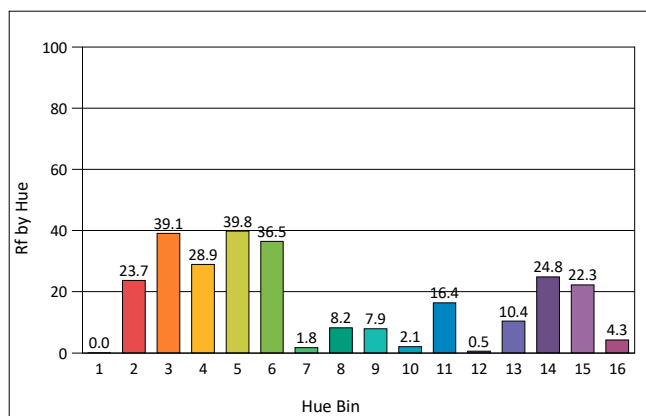
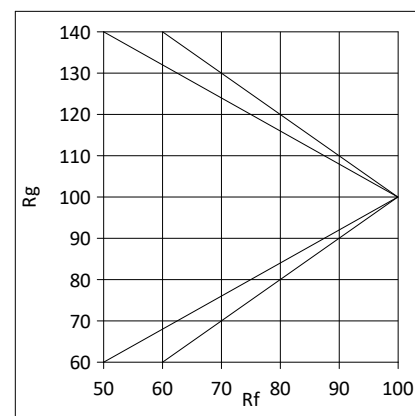
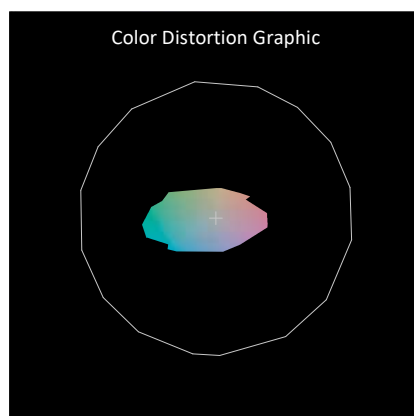
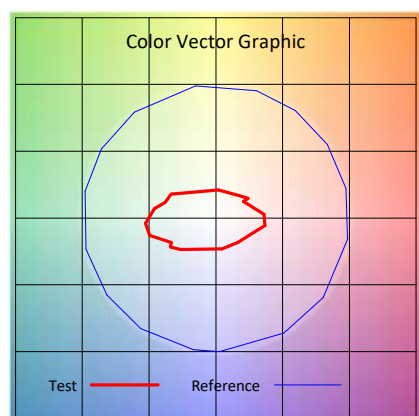
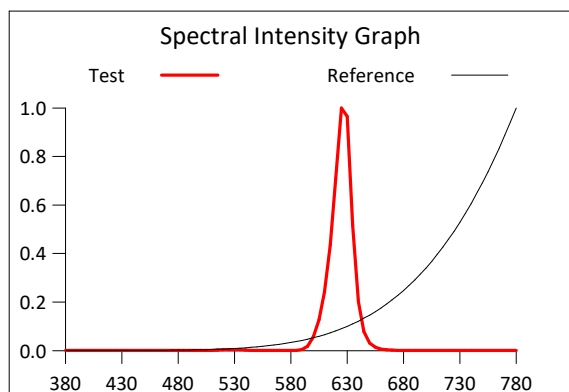
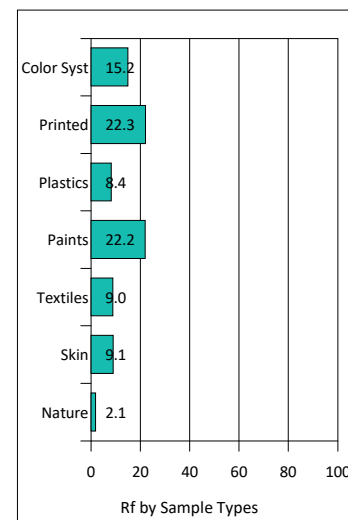
Manufacturer :

Humidity : %

Test Date : 13-04-22 15:42:01

Rf: 6.5 CCT(K): 1302 u': 0.5166
Rg: 9.6 LER: 225.1 Duv: -0.0007 v': 0.3481

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-64.0%	-7.1%
2	23.7	-75.9%	-0.6%
3	39.1	-74.2%	-7.0%
4	28.9	-79.4%	-1.8%
5	39.8	-79.8%	-1.6%
6	36.5	-66.4%	11.2%
7	1.8	-62.0%	7.0%
8	8.2	-53.6%	2.7%
9	7.9	-47.6%	-10.4%
10	2.1	-51.6%	-19.3%
11	16.4	-66.2%	-16.9%
12	0.5	-72.0%	-32.1%
13	10.4	-80.7%	-13.9%
14	24.8	-77.9%	-3.4%
15	22.3	-76.0%	-1.2%
16	4.3	-62.8%	-2.0%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 RED

Manufacturer :

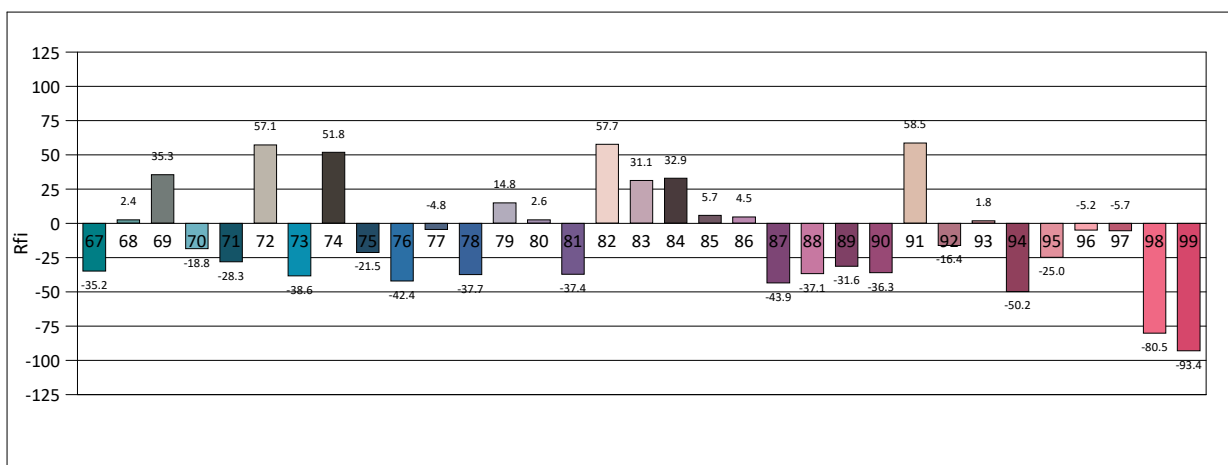
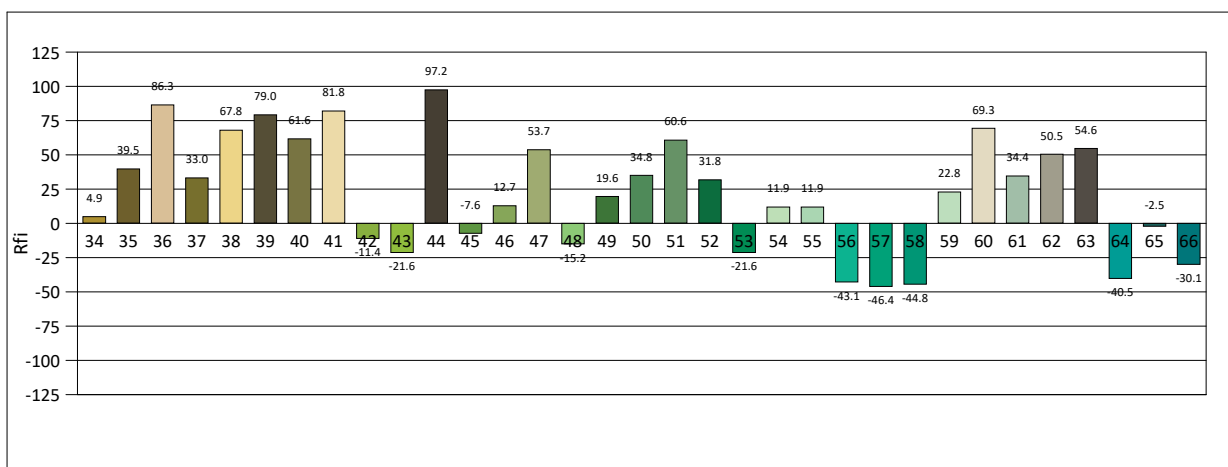
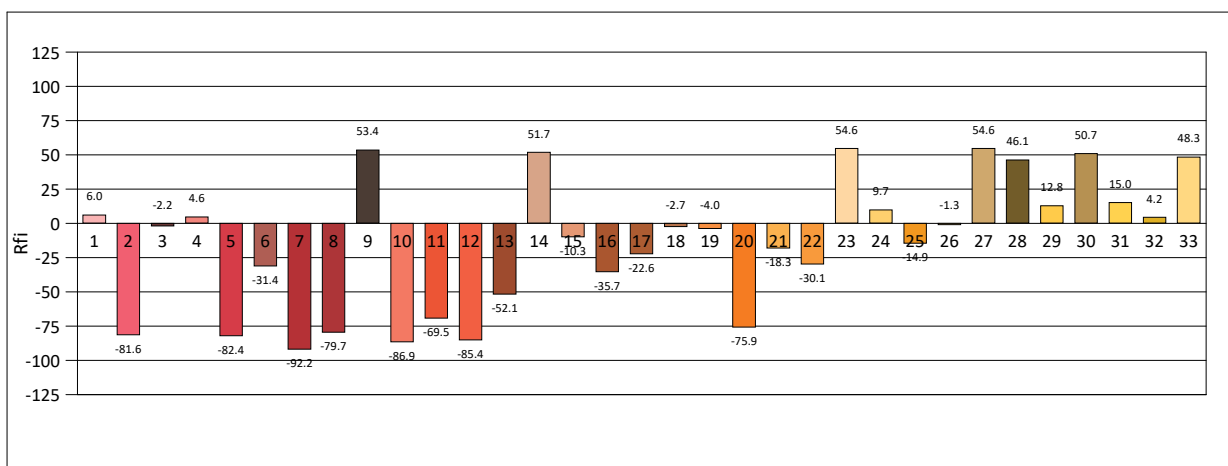
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:42:01

Remark :



LED Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 GREEN

Manufacturer :

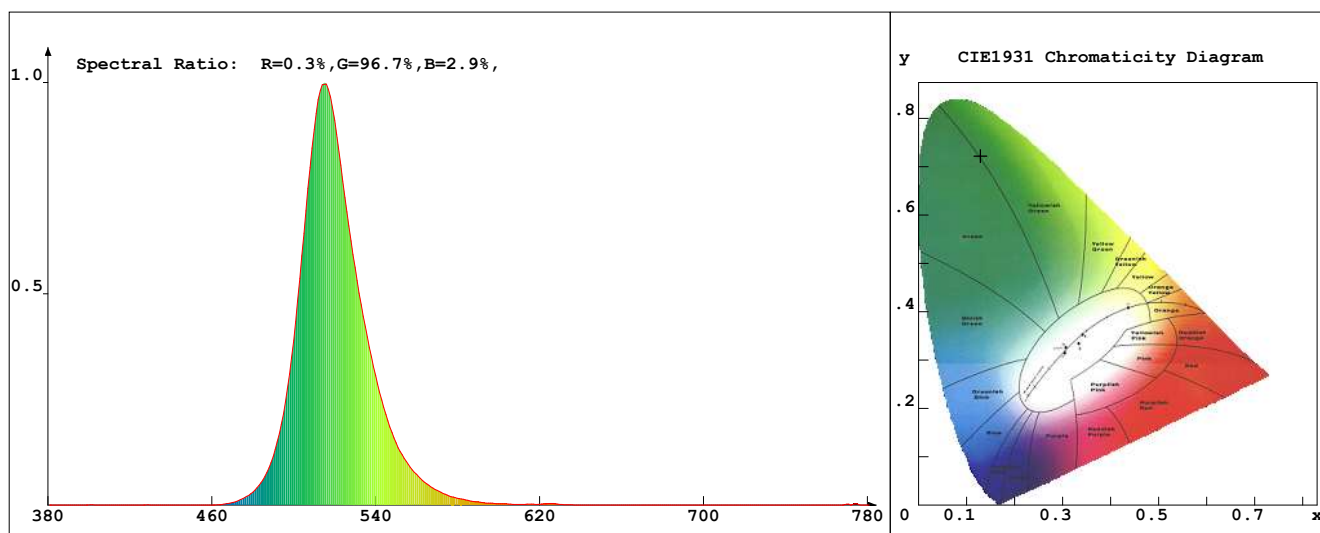
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:45:29

Remark:



Chroma Parameters

Chro.Coord.: x=0.1289 y=0.7219 u=0.0452 v=0.3798 duv=0.1686

CCT: 8642K Dominant Wave.: 519.5nm Purity: 77.8% Centre Wave: 516.2nm

Flux RGB Ratio: R=0.2%, G=99.1%, B=0.8% Peak Wave: 514.6nm Half Width: 29.5nm

Rendering Index: Ra=-29.3 CRI=104.8

R1 =-36 R2 =-14 R3 =-36 R4 =-71 R5 =-11 R6 =-22 R7 =-13 R8 =-32

R9 =-354 R10=-119 R11=-99 R12=-38 R13=-45 R14=32 R15=-32

PPF: 2.362umol/s (400-700nm)

PRF: 0.5mW (400-700nm)

PAR: 0.4mW (400-700nm)

Photo Parameters

Flux: 274.97lm Effi.: 68.6lm/W Radiant: 544.5mW Iv: 0.0mcd

Scotopic Flux: 923.0Plm Effi.: 0.0Plm/W S/P: 3.4

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 2365.080umol/s (380-780nm)

Ele. Parameters

Voltage: U=24.74V

Current: I=0.1620A

Power: P=4.010W

Power Factor: PF=1.000

Instrument state

Instrument: Lisun

Integral Time: 196.542ms

VPeak: 15864

VDark: 1165

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 GREEN

Manufacturer :

Temperature : 1m'C

Humidity : %

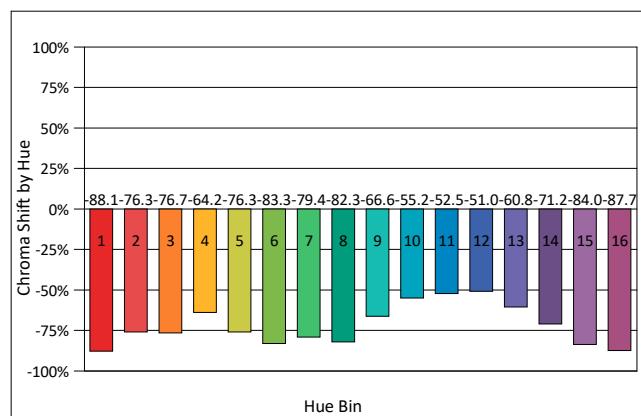
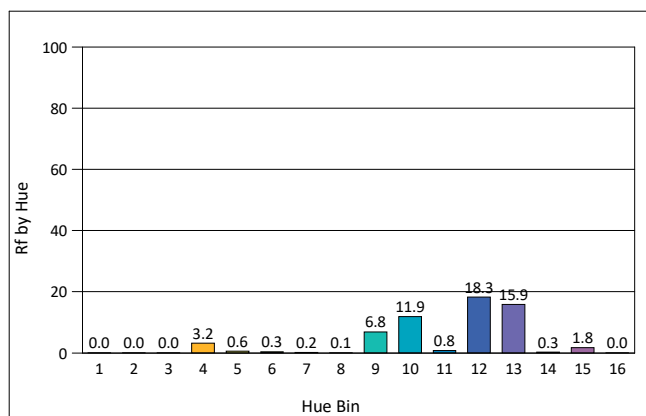
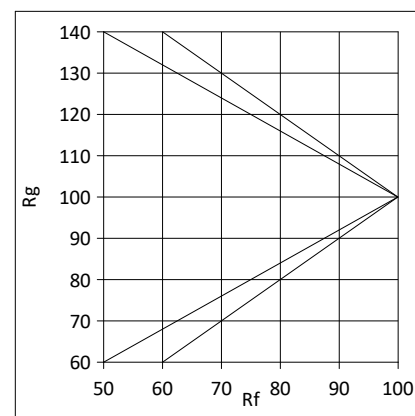
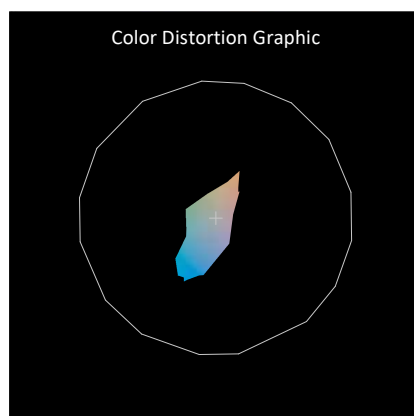
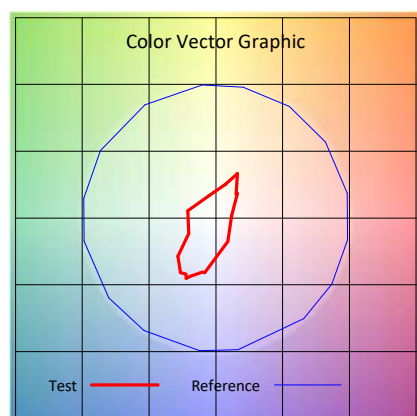
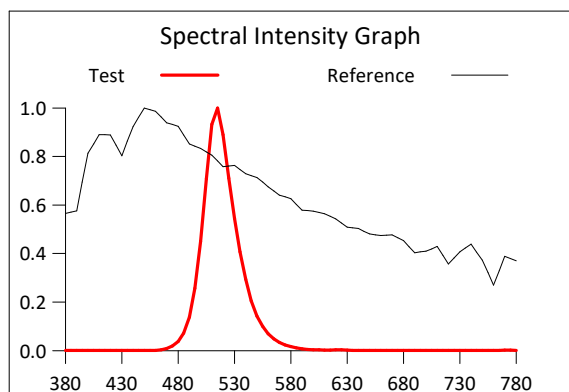
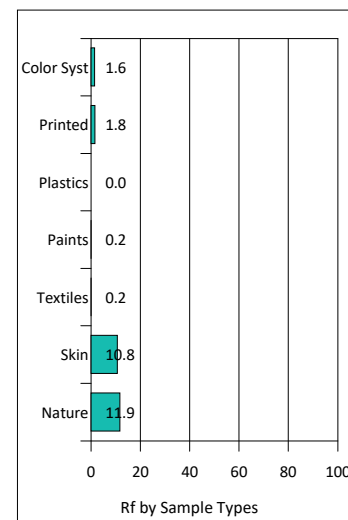
Operator :

Test Date : 13-04-22 15:45:29

Remark :

Rf: 0.4 CCT(K): 8642 u': 0.0452
 Rg: 5.7 LER: 438.5 Duv: 0.1686 v': 0.3798

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-88.1%	0.3%
2	0.0	-76.3%	4.5%
3	0.0	-76.7%	-3.4%
4	3.2	-64.2%	-8.3%
5	0.6	-76.3%	-2.7%
6	0.3	-83.3%	-1.9%
7	0.2	-79.4%	1.4%
8	0.1	-82.3%	10.7%
9	6.8	-66.6%	24.9%
10	11.9	-55.2%	14.1%
11	0.8	-52.5%	2.8%
12	18.3	-51.0%	-20.5%
13	15.9	-60.8%	-24.5%
14	0.3	-71.2%	-44.1%
15	1.8	-84.0%	-45.5%
16	0.0	-87.7%	-18.8%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 GREEN

Manufacturer :

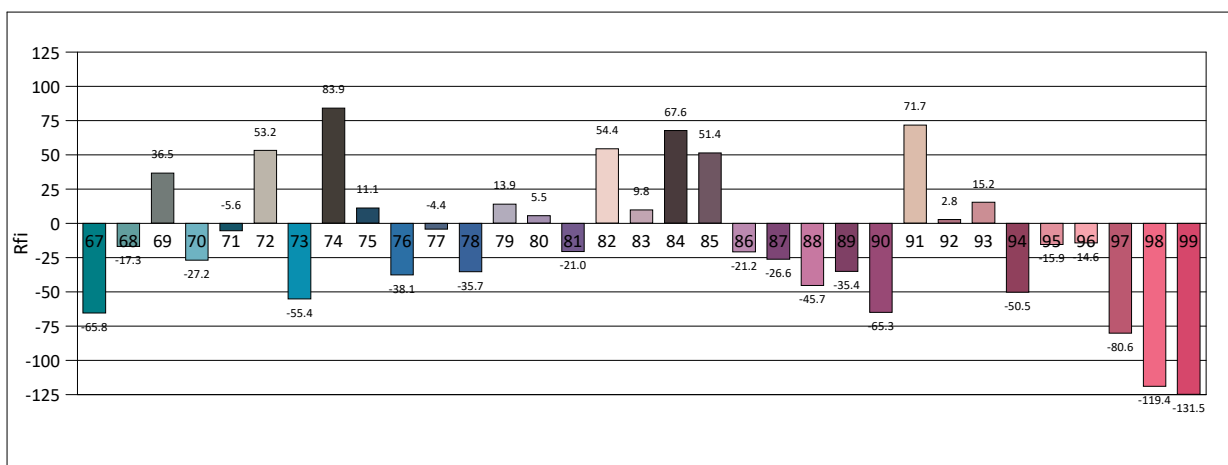
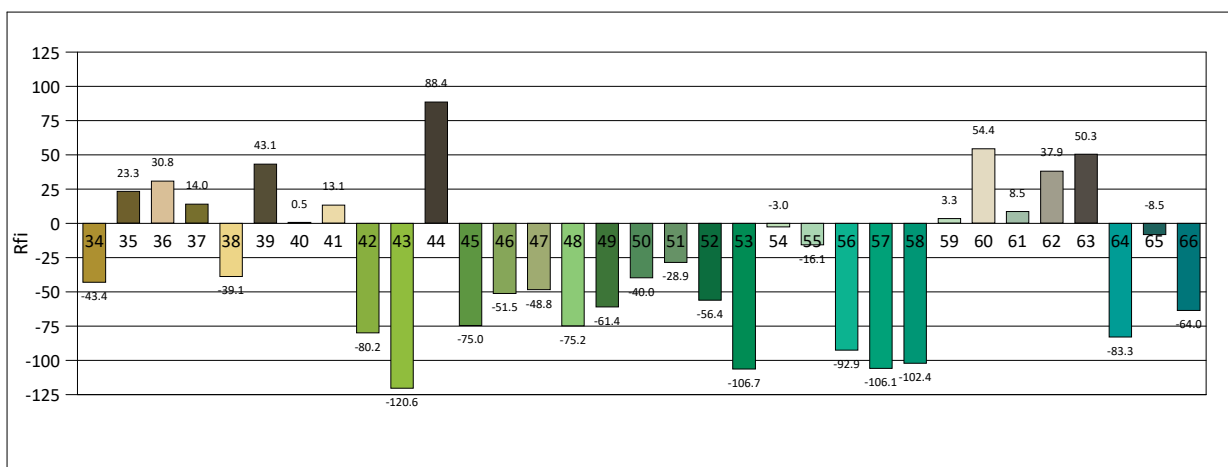
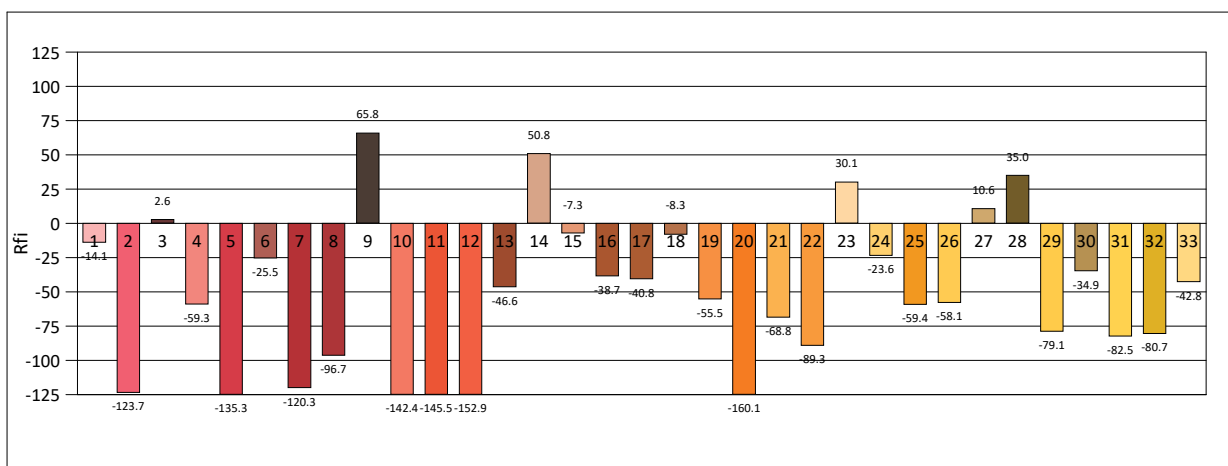
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:45:29

Remark :



LED Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 BLU

Manufacturer :

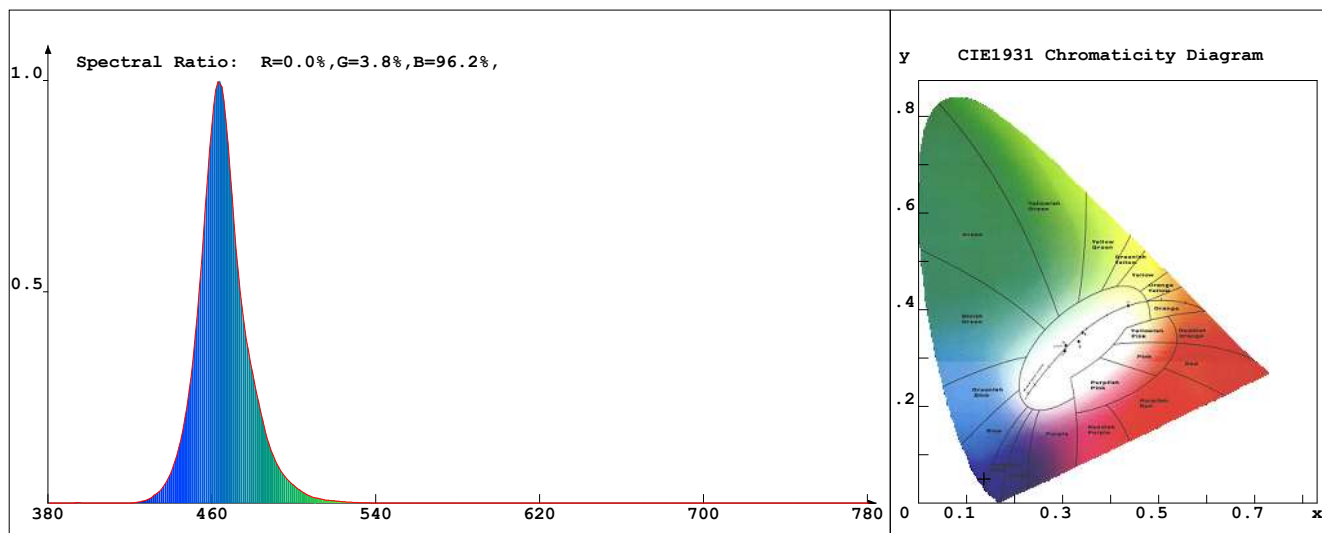
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:39:24

Remark:



Chroma Parameters

Chro.Coord.: x=0.1361 y=0.0503 u=0.1634 v=0.0906 duv=-0.0268

CCT:100000K Dominant Wave.:466.6nm Purity:98.0% Centre Wave:462.9nm

Flux RGB Ratio:R=0.0%,G=15.1%,B=84.9% Peak Wave:462.7nm Half Width:20.1nm

Rendering Index:Ra=-59.8 CRI=125.7

R1 =-23 R2 =-58 R3 =-148 R4 =-86 R5 =-7 R6 =-68 R7 =-51 R8 =-36

R9 =-300 R10=-268 R11=-117 R12=-125 R13=-46 R14=-36 R15=-5

PPF:3.950umol/s (400-700nm)

PRF:1.0mW (400-700nm)

PAR:0.7mW (400-700nm)

Photo Parameters

Flux:75.47lm Effi.:18.9lm/W Radiant:1016.7mW Iv:0.0mcd

Scotopic Flux:1337.0Plm Effi.:0.0Plm/W S/P:17.7

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:3951.700umol/s (380-780nm)

Ele. Parameters

Voltage:U=25.10V

Current:I=0.1590A

Power:P=4.010W

Power Factor:PF=1.000

Instrument state

Instrument:Lisun

Integral Time: 84.572ms

VPeak: 15240

VDark: 1271

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 BLU

Temperature : 1m'C

Operator :

Remark :

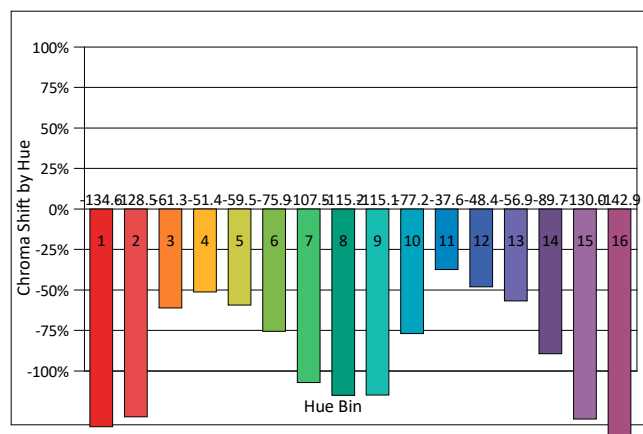
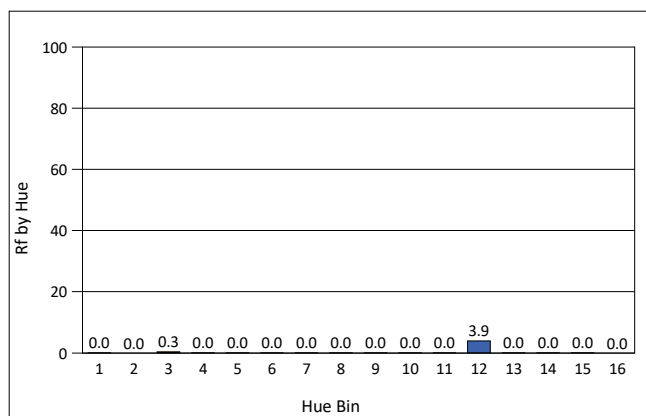
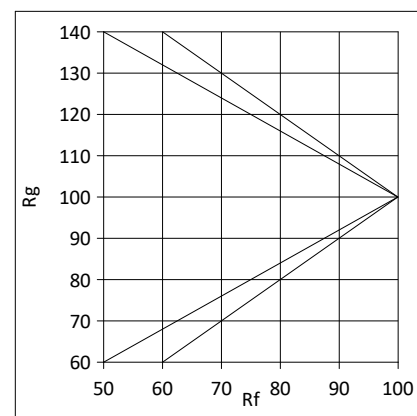
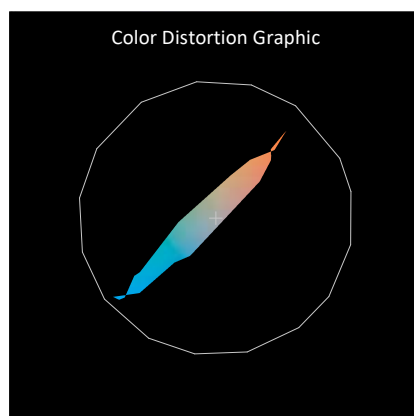
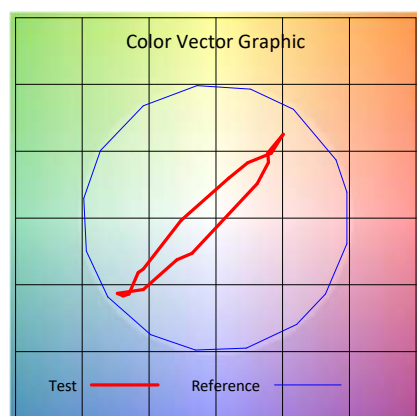
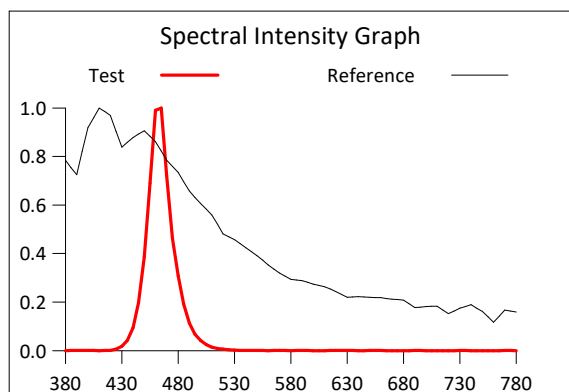
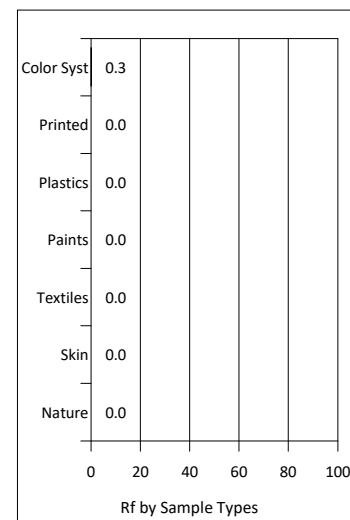
Manufacturer :

Humidity : %

Test Date : 13-04-22 15:39:24

Rf: 0.0 CCT(K): 100000 u': 0.1634
 Rg: 7.4 LER: 59.3 Duv: -0.0268 v': 0.0906

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-134.6%	-24.7%
2	0.0	-128.5%	1.8%
3	0.3	-61.3%	-8.4%
4	0.0	-51.4%	-23.8%
5	0.0	-59.5%	-42.0%
6	0.0	-75.9%	-75.2%
7	0.0	-107.5%	-69.5%
8	0.0	-115.2%	-50.1%
9	0.0	-115.1%	-32.9%
10	0.0	-77.2%	-17.2%
11	0.0	-37.6%	-31.8%
12	3.9	-48.4%	-53.3%
13	0.0	-56.9%	-78.3%
14	0.0	-89.7%	-96.0%
15	0.0	-130.0%	-86.1%
16	0.0	-142.9%	-63.3%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-070G12-W8 BLU

Manufacturer :

Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:39:24

Remark :

