

LED Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 WHITE

Manufacturer :

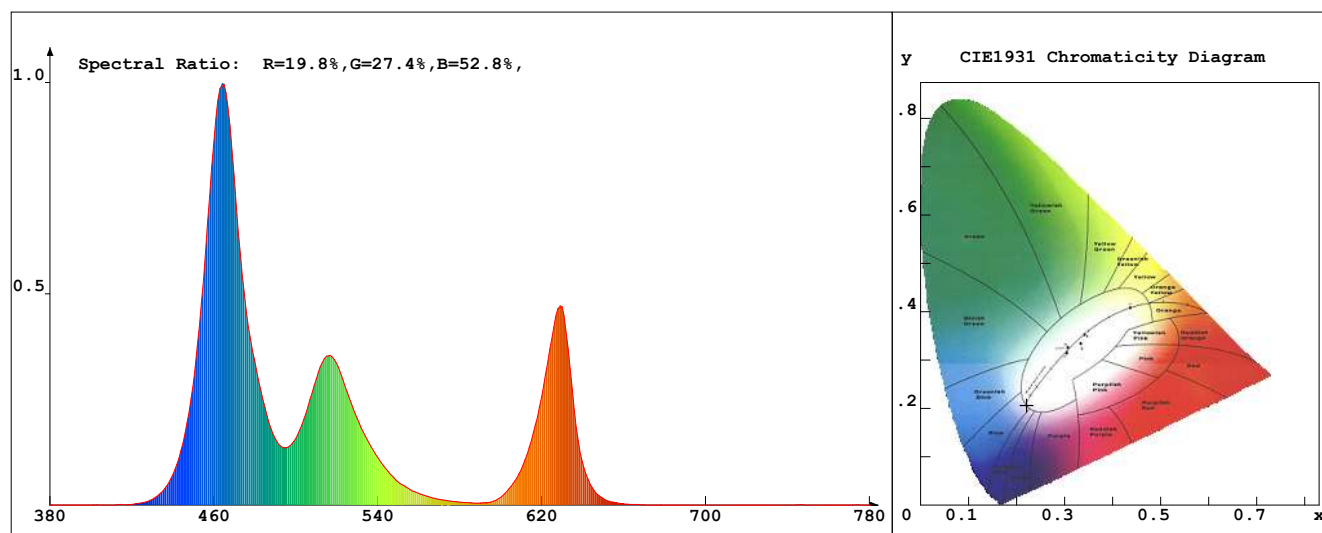
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 16:00:19

Remark:



Chroma Parameters

Chro.Coord.:x=0.2209 y=0.2065 u=0.1755 v=0.2460 duv=0.0000

CCT:100000K Dominant Wave.:474.4nm Purity:50.6% Centre Wave:463.7nm

Flux RGB Ratio:R=22.3%,G=62.9%,B=14.8% Peak Wave:462.7nm Half Width:20.5nm

Rendering Index:Ra= 40.0 CRI= 69.1

R1 =26 R2 =38 R3 =48 R4 =59 R5 =49 R6 =37 R7 =53 R8 =11

R9 =-210 R10=-54 R11=54 R12=44 R13=22 R14=69 R15=6

PPF:10.863umol/s (400-700nm)

PRF:2.5mW (400-700nm)

PAR:2.0mW (400-700nm)

Photo Parameters

Flux:547.95lm Effi.:38.0lm/W Radiant:2541.5mW Iv:0.0mcd

Scotopic Flux:2699.6Plm Effi.:0.0Plm/W S/P:4.9

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:10872.600umol/s (380-780nm)

Ele. Parameters

Voltage:U=24.46V

Current:I=0.5900A

Power:P=14.440W

Power Factor:PF=1.000

Instrument state

Instrument:Lisun

Integral Time: 66.806ms

VPeak: 15736

VDark: 1153

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 WHITE

Temperature : 1m'C

Operator :

Remark :

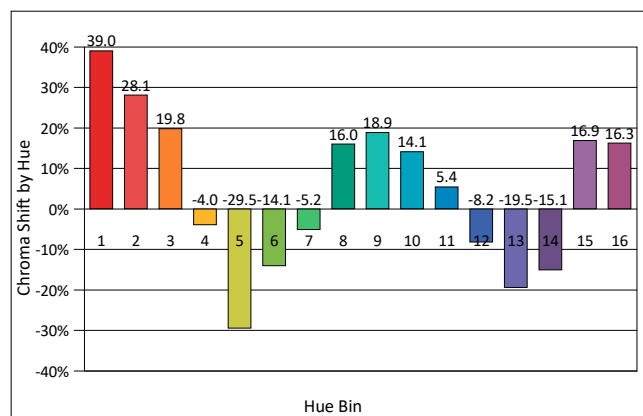
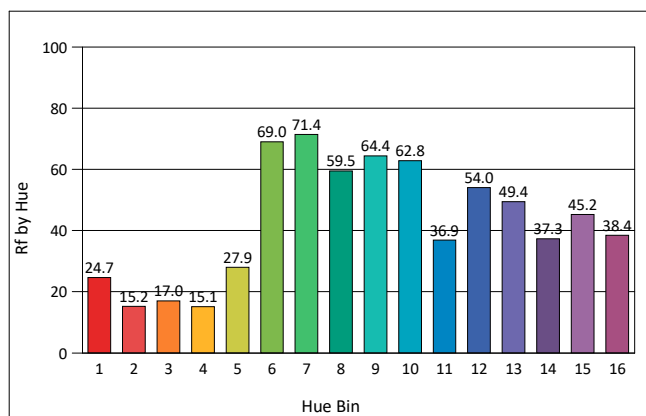
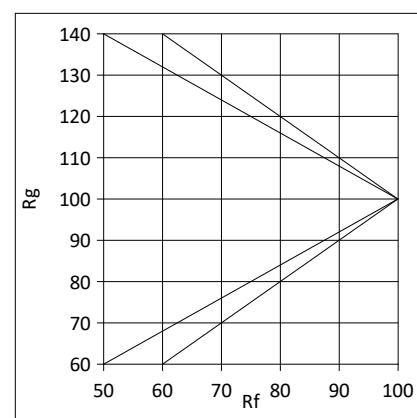
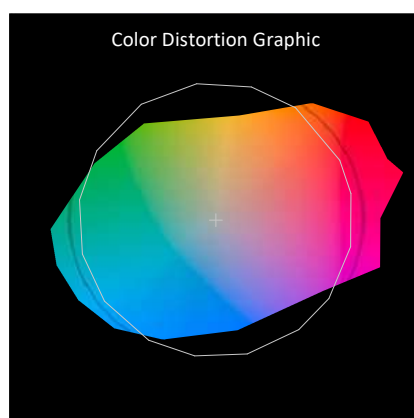
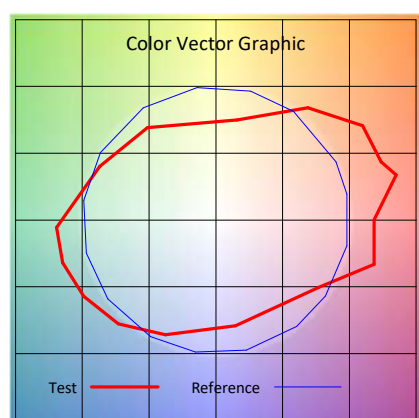
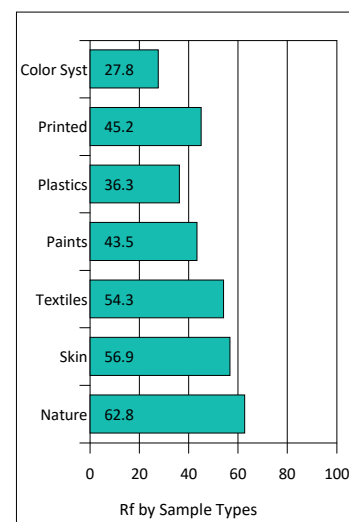
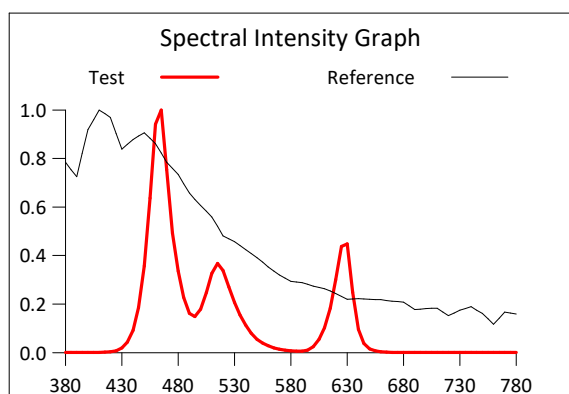
Manufacturer :

Humidity : %

Test Date : 13-04-22 16:00:19

Rf: 43.5 CCT(K): 100000 u': 0.1755
Rg: 99.7 LER: 193.2 Duv: 0.0000 v': 0.2460

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	24.7	39.0%	6.9%
2	15.2	28.1%	-18.8%
3	17.0	19.8%	-49.1%
4	15.1	-4.0%	-44.5%
5	27.9	-29.5%	-24.7%
6	69.0	-14.1%	5.9%
7	71.4	-5.2%	8.7%
8	59.5	16.0%	23.8%
9	64.4	18.9%	3.5%
10	62.8	14.1%	-11.6%
11	36.9	5.4%	-25.4%
12	54.0	-8.2%	-24.6%
13	49.4	-19.5%	-4.4%
14	37.3	-15.1%	30.0%
15	45.2	16.9%	39.9%
16	38.4	16.3%	23.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 WHITE

Manufacturer :

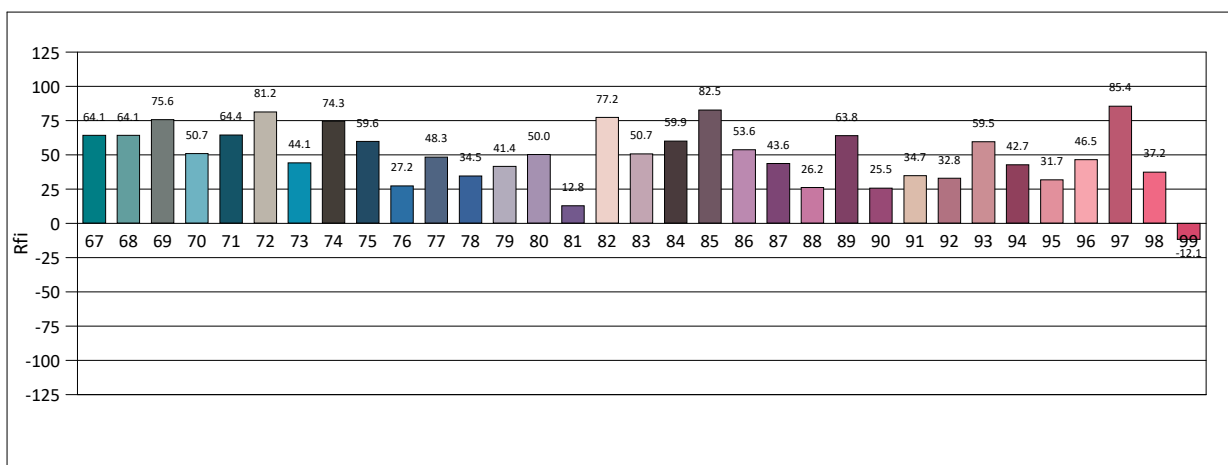
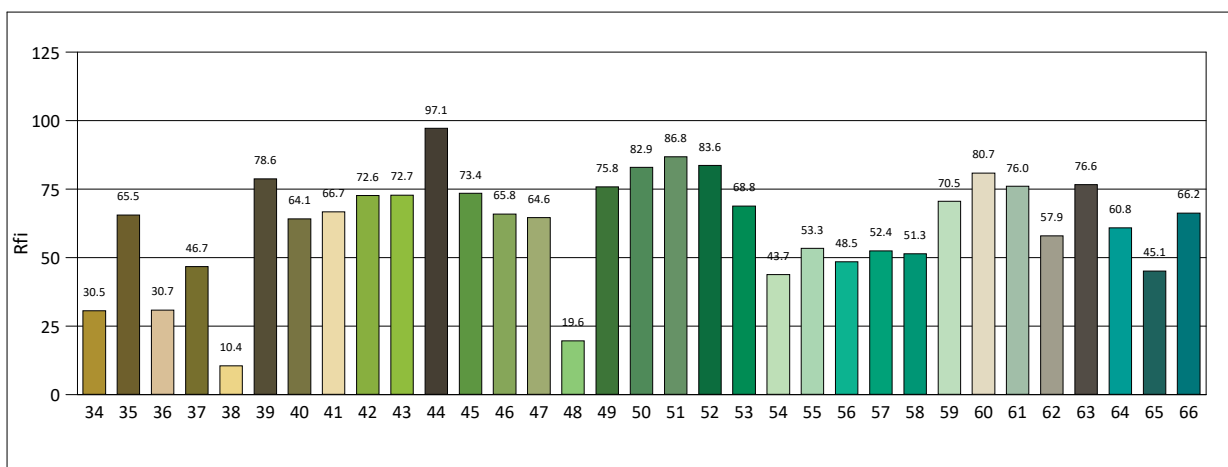
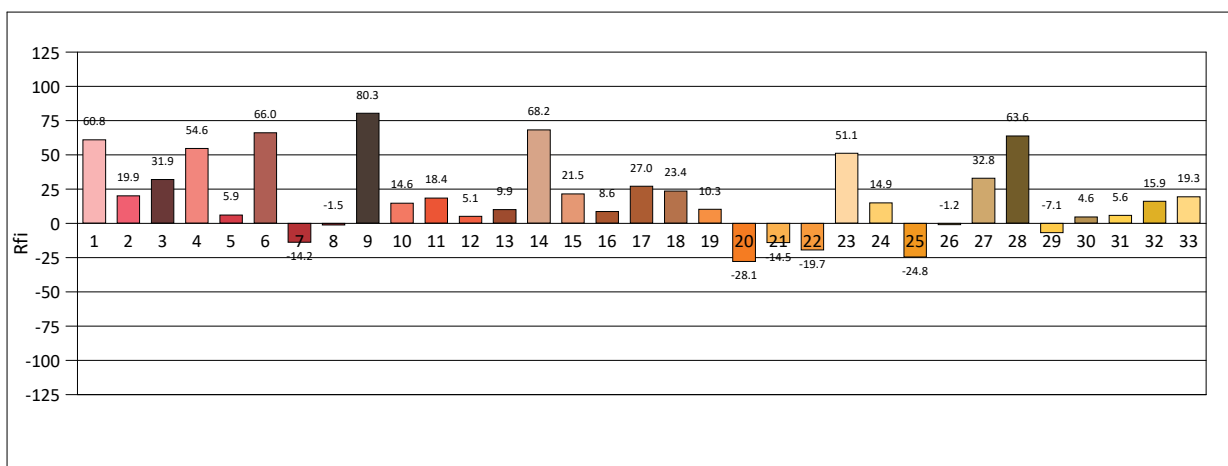
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 16:00:19

Remark :



LED Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 RED

Manufacturer :

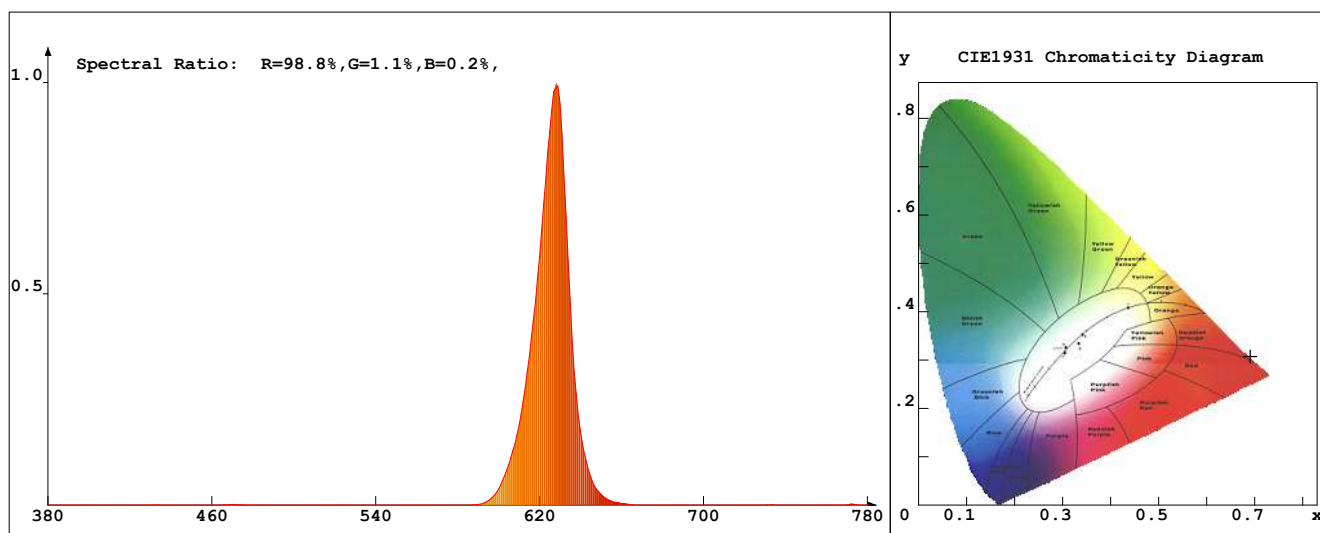
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:56:01

Remark:



Chroma Parameters

Chro.Coord.:x=0.6909 y=0.3074 u=0.5207 v=0.3475 duv=-0.0009

CCT: 1320K Dominant Wave.:620.5nm Purity:99.6% Centre Wave:625.5nm

Flux RGB Ratio:R=97.8%,G=2.2%,B=0.0% Peak Wave:627.5nm Half Width:16.3nm

Rendering Index:Ra=-20.3 CRI=105.0

R1 =-44 R2 =55 R3 =7 R4 =-75 R5 =-39 R6 =60 R7 =-13 R8 =-114

R9 =-343 R10=43 R11=-87 R12=34 R13=-17 R14=39 R15=-82

PPF:2.769umol/s (400-700nm)

PRF:0.5mW (400-700nm)

PAR:0.5mW (400-700nm)

Photo Parameters

Flux:121.24lm Effi.:25.2lm/W Radiant:531.2mW Iv:0.0mcd

Scotopic Flux:6.9Plm Effi.:0.0Plm/W S/P:0.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2772.790umol/s (380-780nm)

Ele. Parameters

Voltage:U=24.44V

Current:I=0.1970A

Power:P=4.821W

Power Factor:PF=1.000

Instrument state

Instrument:Lisun

Integral Time: 118.646ms

VPeak: 15320

VDark: 1159

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 RED

Temperature : 1m'C

Operator :

Remark :

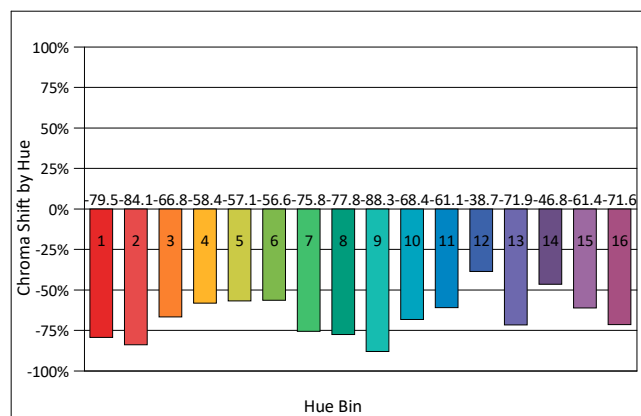
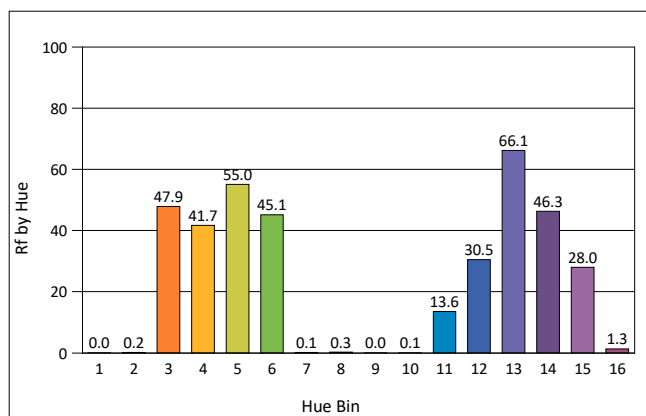
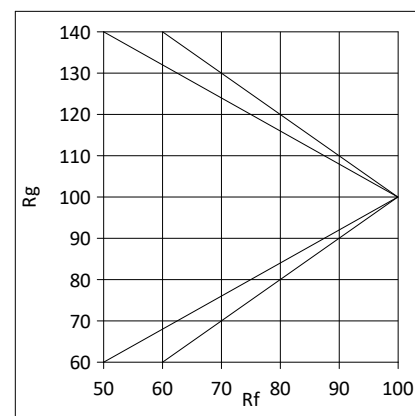
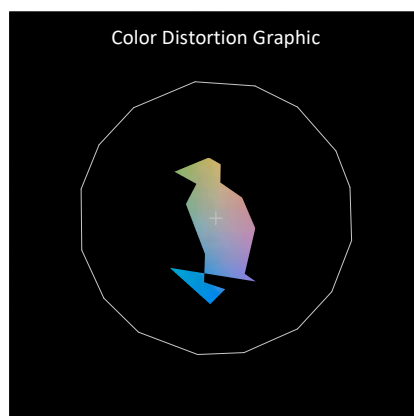
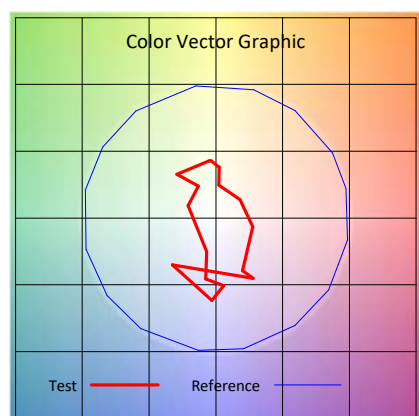
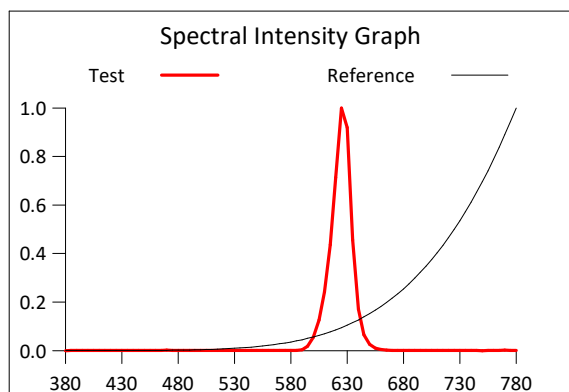
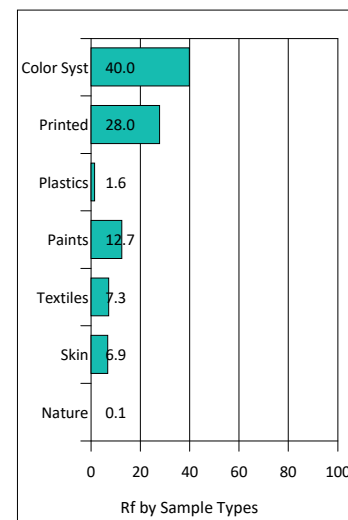
Manufacturer :

Humidity : %

Test Date : 13-04-22 15:56:01

Rf: 2.1 CCT(K): 1320 u': 0.5207
Rg: 7.9 LER: 226.6 Duv: -0.0009 v': 0.3475

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-79.5%	7.3%
2	0.2	-84.1%	27.1%
3	47.9	-66.8%	23.6%
4	41.7	-58.4%	21.0%
5	55.0	-57.1%	1.1%
6	45.1	-56.6%	0.9%
7	0.1	-75.8%	-15.5%
8	0.3	-77.8%	-3.4%
9	0.0	-88.3%	19.6%
10	0.1	-68.4%	30.5%
11	13.6	-61.1%	33.7%
12	30.5	-38.7%	2.6%
13	66.1	-71.9%	-39.9%
14	46.3	-46.8%	-6.6%
15	28.0	-61.4%	-24.0%
16	1.3	-71.6%	-4.2%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 RED

Manufacturer :

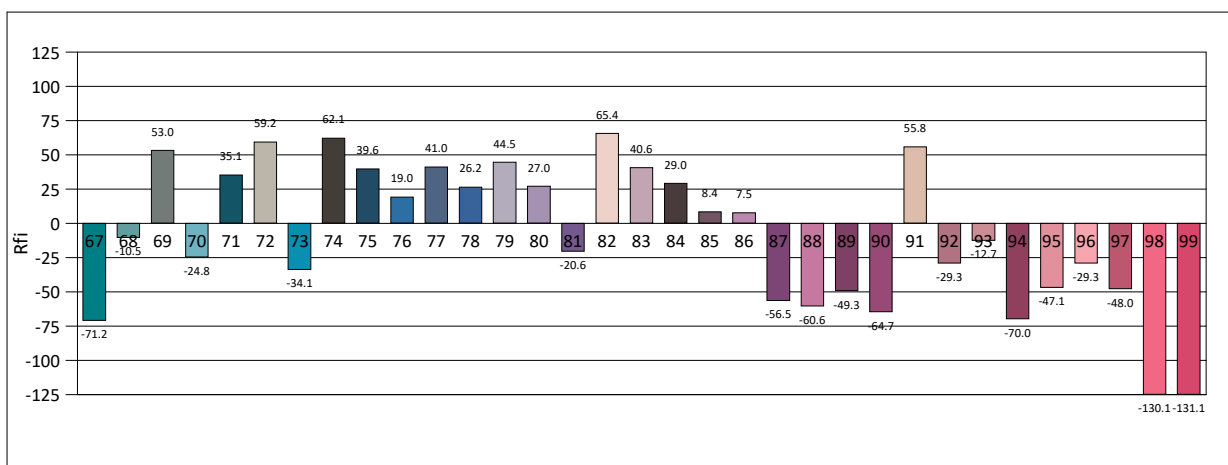
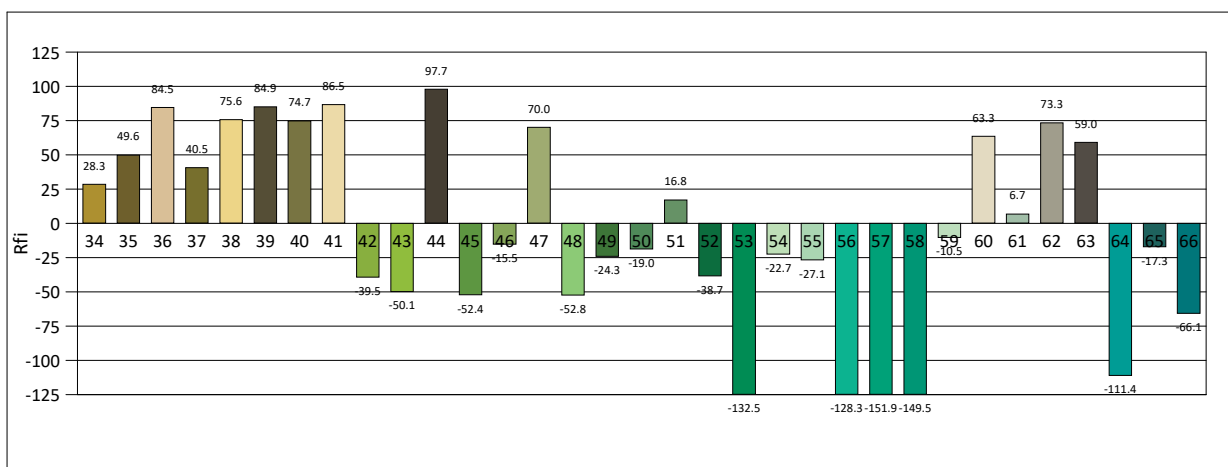
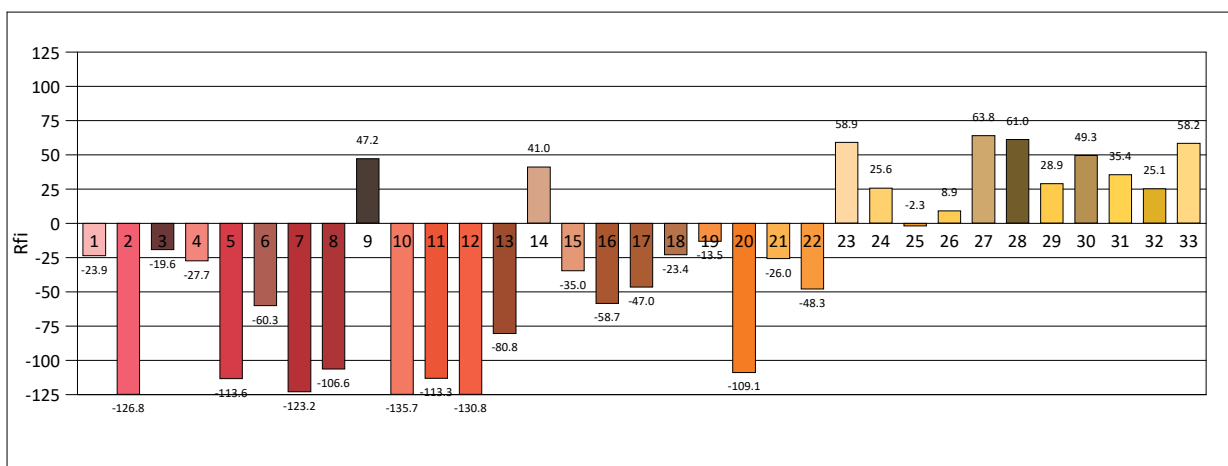
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:56:01

Remark :



LED Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 GREEN

Manufacturer :

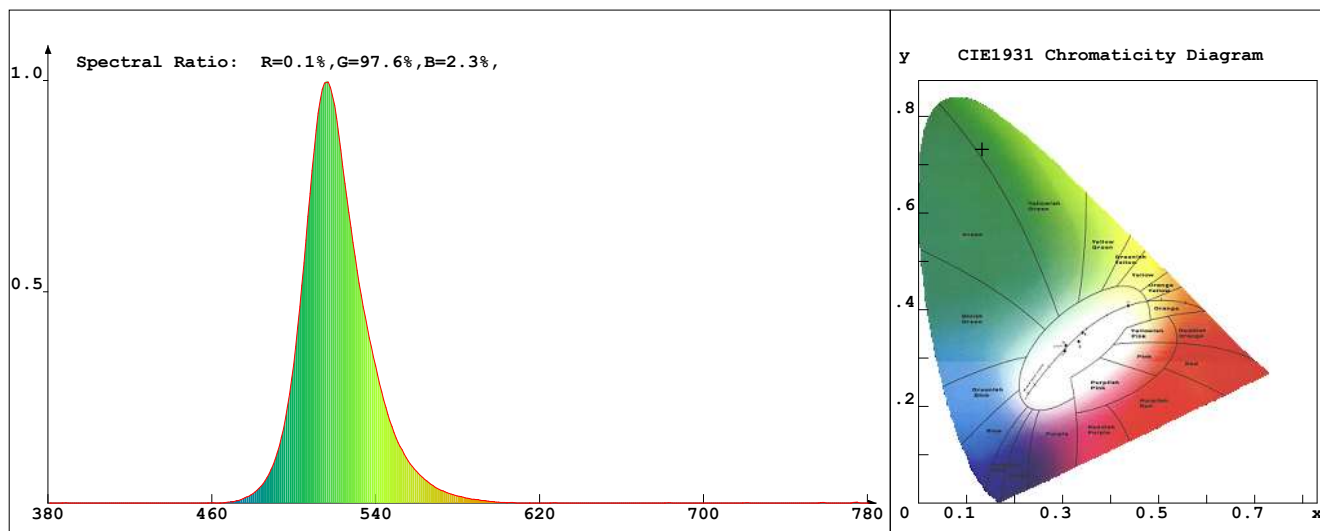
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:57:36

Remark:



Chroma Parameters

Chro.Coord.: $x=0.1322$ $y=0.7322$ $u=0.0459$ $v=0.3813$ $duv=0.1688$

CCT: 8482K Dominant Wave.: 520.8nm Purity: 79.6% Centre Wave: 517.2nm

Flux RGB Ratio: $R=0.0\%$, $G=99.4\%$, $B=0.6\%$ Peak Wave: 515.6nm Half Width: 28.7nm

Rendering Index: $R_a=-31.2$ CRI=107.4

R1 = -38 R2 = -16 R3 = -38 R4 = -73 R5 = -12 R6 = -23 R7 = -15 R8 = -35

R9 = -362 R10 = -123 R11 = -102 R12 = -41 R13 = -46 R14 = 31 R15 = -33

PPF: 2.998 $\mu\text{mol/s}$ (400-700nm)

PRF: 0.7mW (400-700nm)

PAR: 0.5mW (400-700nm)

Photo Parameters

Flux: 354.99lm Effi.: 73.8lm/W Radiant: 689.5mW Iv: 0.0mcd

Scotopic Flux: 1153.0Plm Effi.: 0.0Plm/W S/P: 3.2

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 3000.470 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Voltage: $U=24.91\text{V}$ Current: $I=0.1930\text{A}$ Power: $P=4.821\text{W}$ Power Factor: $PF=1.000$

Instrument state

Instrument: Lisun

Integral Time: 141.867ms

VPeak: 15272

VDark: 1282

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 GREEN

Manufacturer :

Temperature : 1m'C

Humidity : %

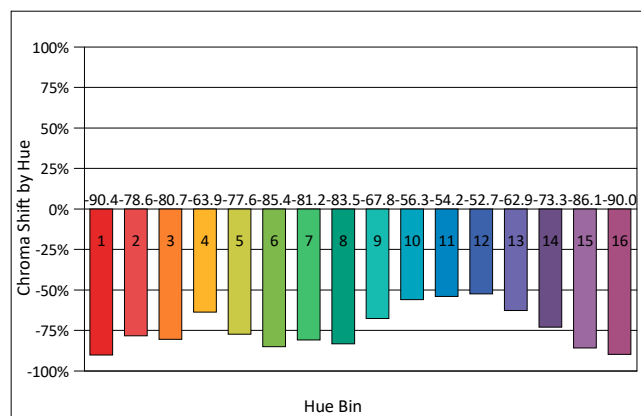
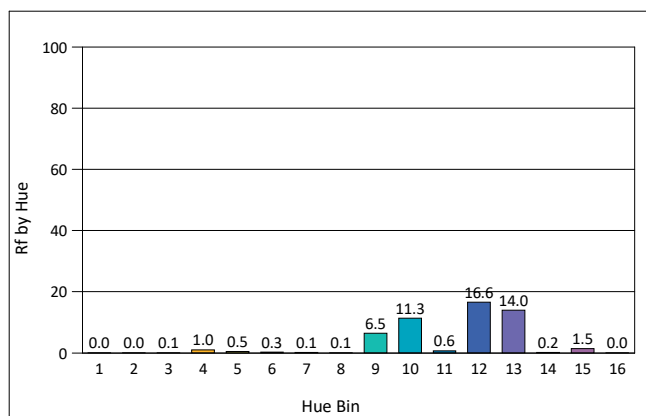
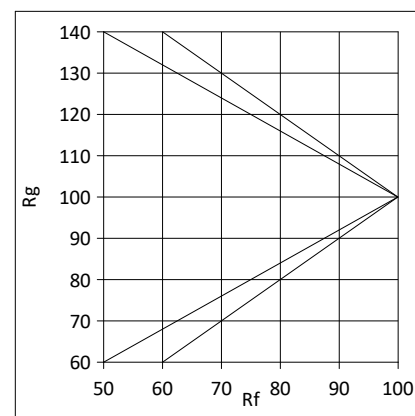
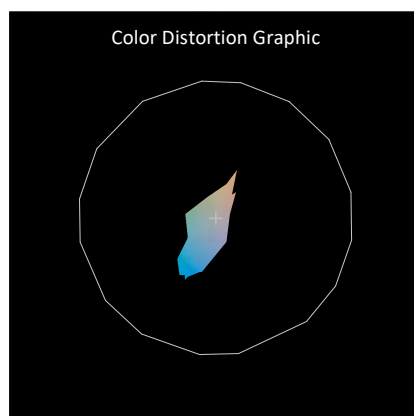
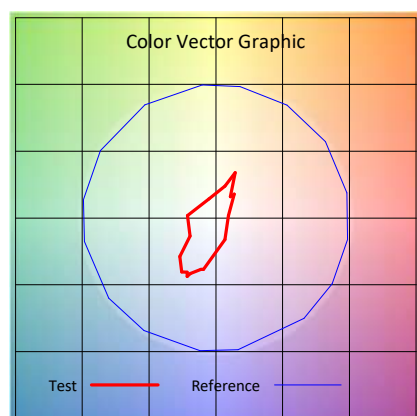
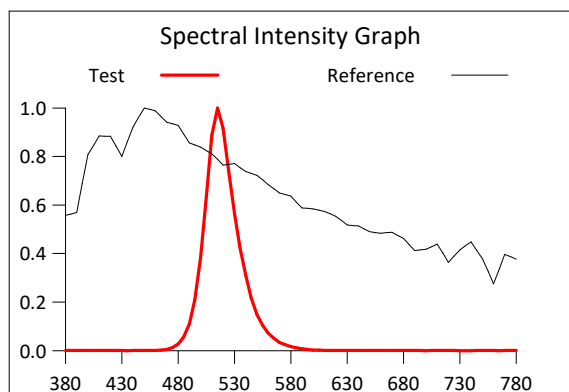
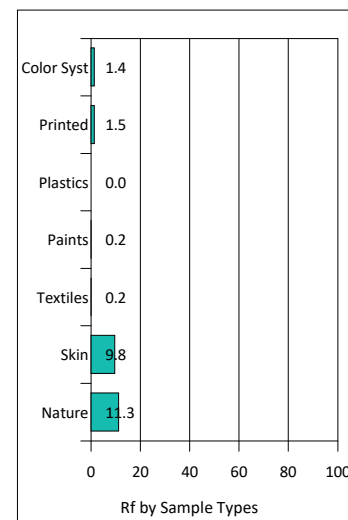
Operator :

Test Date : 13-04-22 15:57:36

Remark :

Rf: 0.3 CCT(K): 8482 u': 0.0459
 Rg: 4.7 LER: 451.0 Duv: 0.1688 v': 0.3813

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-90.4%	0.8%
2	0.0	-78.6%	5.4%
3	0.1	-80.7%	-2.8%
4	1.0	-63.9%	-9.0%
5	0.5	-77.6%	-1.9%
6	0.3	-85.4%	-0.7%
7	0.1	-81.2%	4.2%
8	0.1	-83.5%	11.4%
9	6.5	-67.8%	24.9%
10	11.3	-56.3%	14.1%
11	0.6	-54.2%	2.5%
12	16.6	-52.7%	-20.3%
13	14.0	-62.9%	-24.1%
14	0.2	-73.3%	-43.7%
15	1.5	-86.1%	-44.5%
16	0.0	-90.0%	-18.0%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 GREEN

Manufacturer :

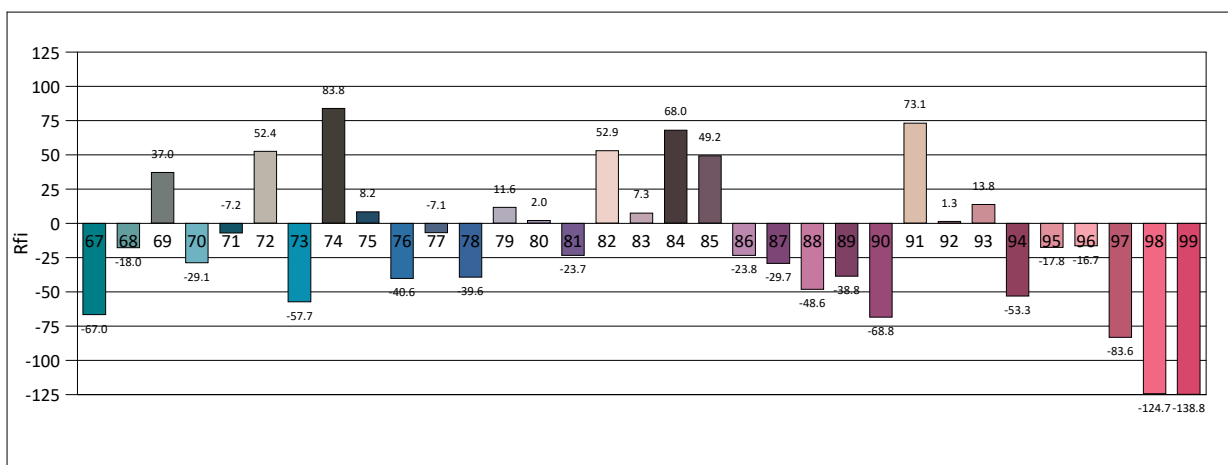
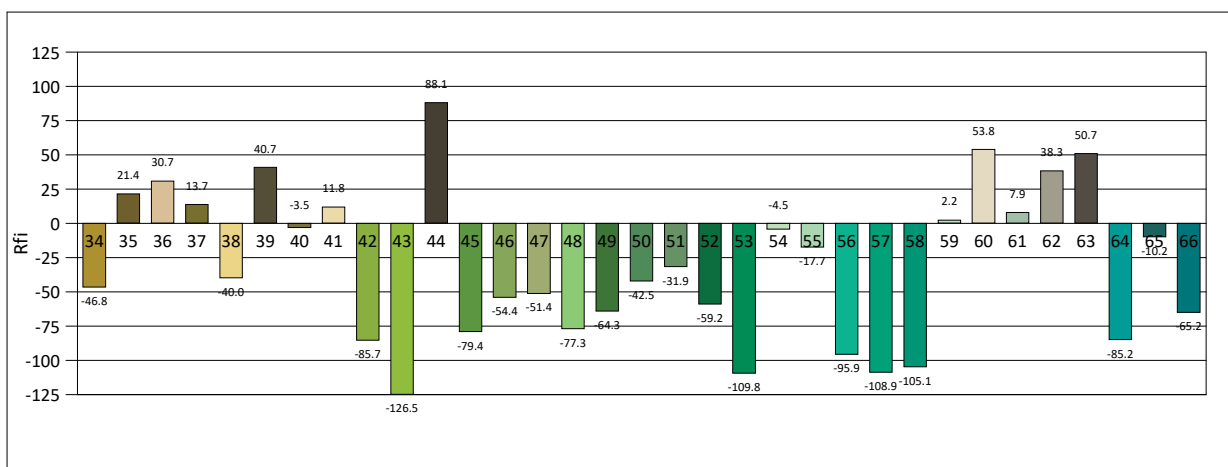
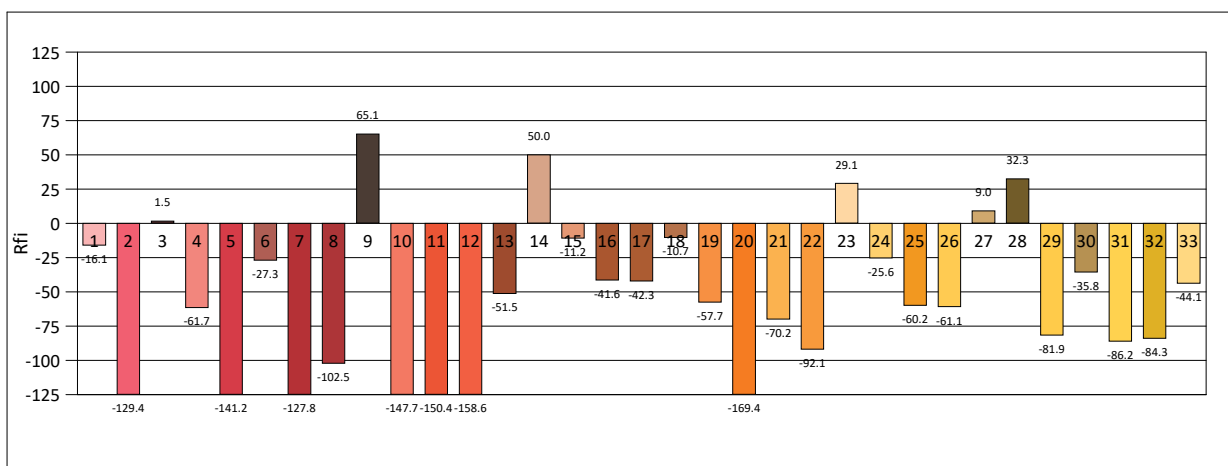
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:57:36

Remark :



LED Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 BLU

Manufacturer :

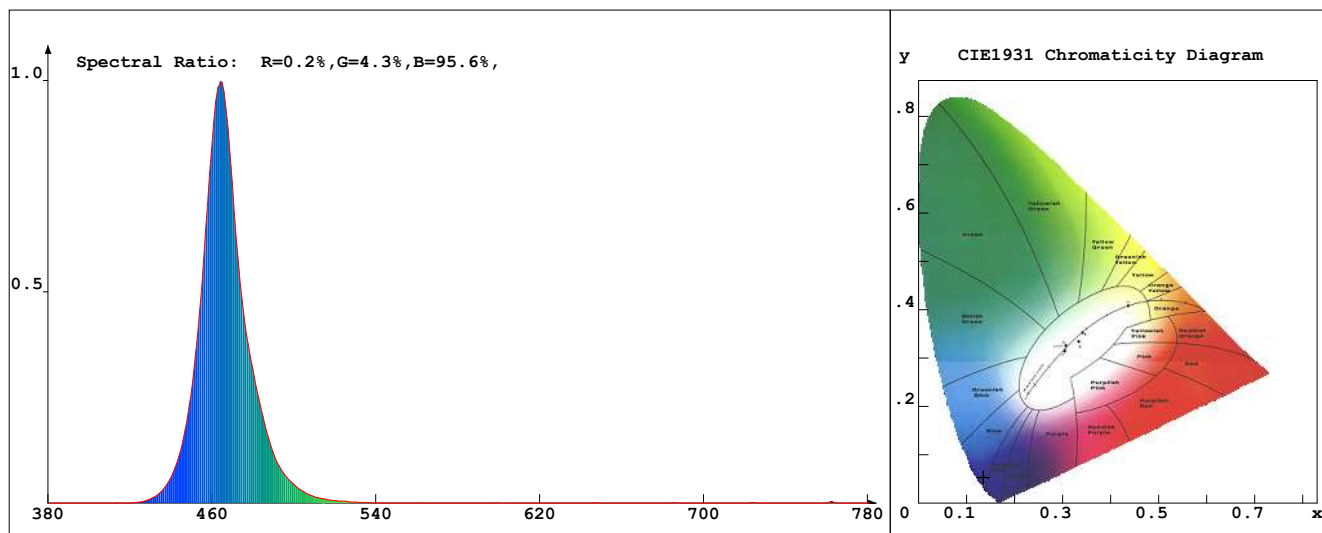
Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:52:57

Remark:



Chroma Parameters

Chro.Coord.: $x=0.1350$ $y=0.0533$ $u=0.1602$ $v=0.0949$ $duv=-0.0226$

CCT:100000K Dominant Wave.:467.3nm Purity:97.8% Centre Wave:463.7nm

Flux RGB Ratio:R=0.1%,G=16.9%,B=83.1% Peak Wave:462.7nm Half Width:19.7nm

Rendering Index:Ra=-57.6 CRI=121.9

R1 =-21 R2 =-54 R3 =-144 R4 =-85 R5 =-5 R6 =-65 R7 =-50 R8 =-36

R9 =-294 R10=-257 R11=-116 R12=-119 R13=-43 R14=-34 R15=-3

PPF:5.058umol/s (400-700nm)

PRF:1.3mW (400-700nm)

PAR:0.9mW (400-700nm)

Photo Parameters

Flux:98.14lm Effi.:20.5lm/W Radiant:1300.1mW Iv:0.0mcd

Scotopic Flux:1686.4Plm Effi.:0.0Plm/W S/P:17.2

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:5066.730umol/s (380-780nm)

Ele. Parameters

Voltage:U=23.73V

Current:I=0.2020A

Power:P=4.810W

Power Factor:PF=1.000

Instrument state

Instrument:Lisun

Integral Time: 56.077ms

VPeak: 13208

VDark: 1266

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 BLU

Temperature : 1m'C

Operator :

Remark :

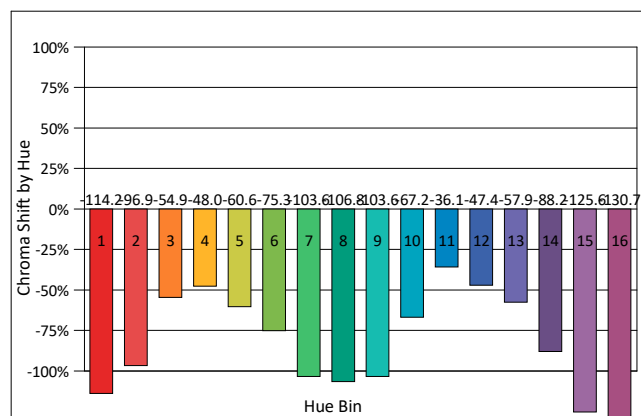
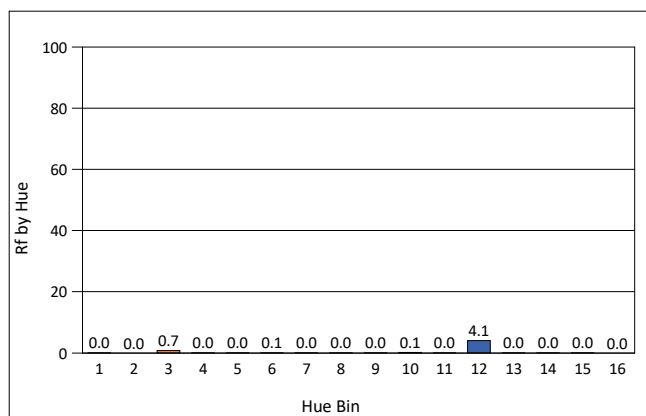
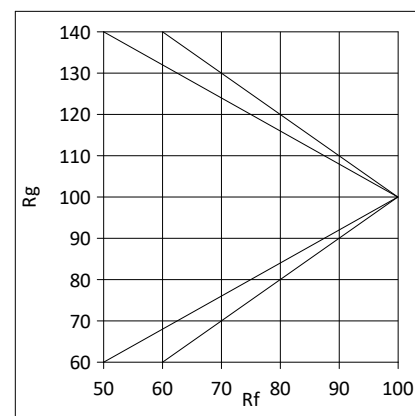
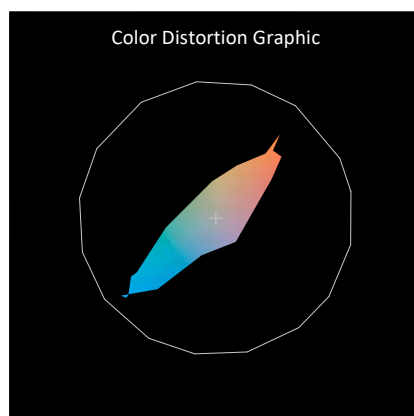
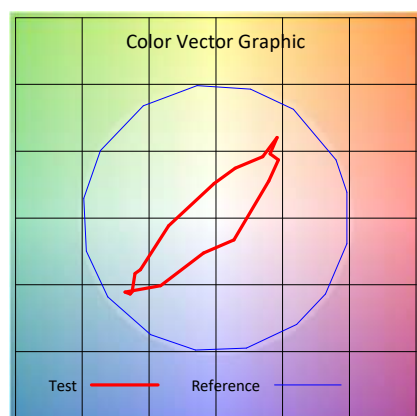
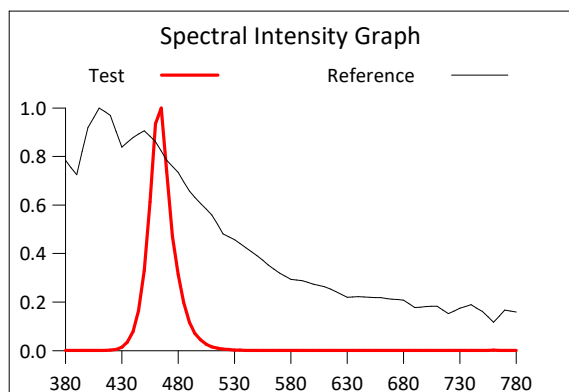
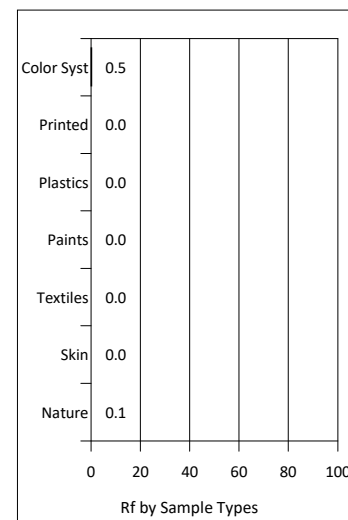
Manufacturer :

Humidity : %

Test Date : 13-04-22 15:52:57

Rf: 0.0 CCT(K): 100000 u': 0.1602
 Rg: 13.6 LER: 61.9 Duv: -0.0226 v': 0.0949

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-114.2%	-23.5%
2	0.0	-96.9%	-7.1%
3	0.7	-54.9%	-14.6%
4	0.0	-48.0%	-30.7%
5	0.0	-60.6%	-43.5%
6	0.1	-75.3%	-69.9%
7	0.0	-103.6%	-63.8%
8	0.0	-106.8%	-44.3%
9	0.0	-103.6%	-31.0%
10	0.1	-67.2%	-18.9%
11	0.0	-36.1%	-33.4%
12	4.1	-47.4%	-55.6%
13	0.0	-57.9%	-75.6%
14	0.0	-88.2%	-90.9%
15	0.0	-125.6%	-82.1%
16	0.0	-130.7%	-58.0%



IES TM-30-2015 Test Report

Product Mark

Product Type : L52-RGB-112G12-W8 BLU

Manufacturer :

Temperature : 1m'C

Humidity : %

Operator :

Test Date : 13-04-22 15:52:57

Remark :

