

LED Test Report

Product Mark

Product Type : F52-R400-5760S1 White

Manufacturer : -

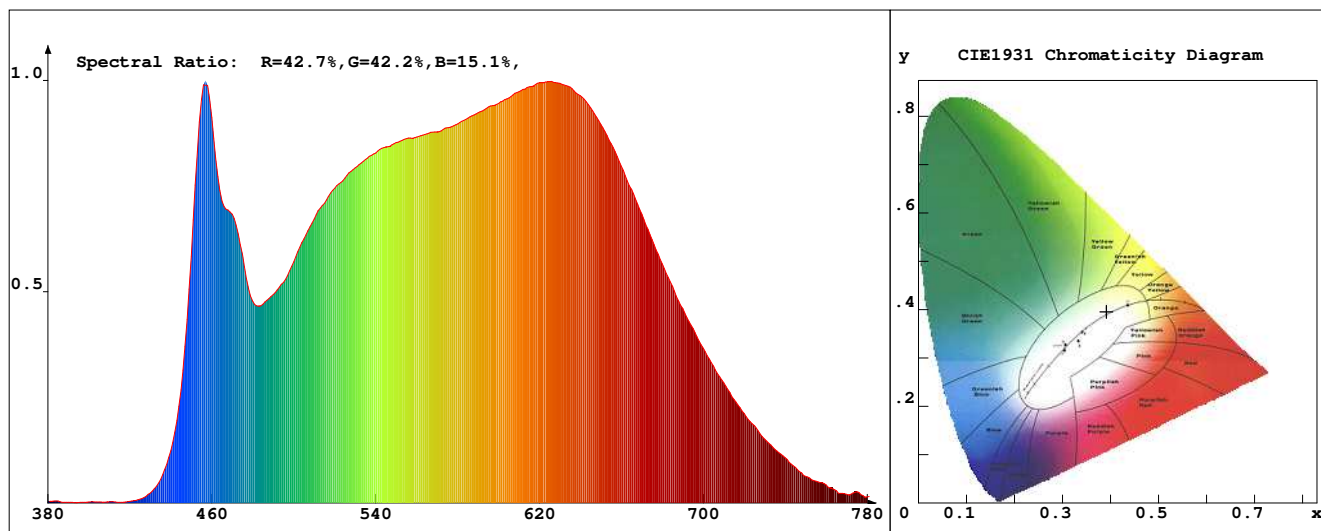
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark:



Chroma Parameters

Chro.Coord.:x=0.3918 y=0.3957 u=0.2250 v=0.3409 duv=0.0054

CCT: 3849K Dominant Wave.:577.3nm Purity:36.4% Centre Wave:587.6nm

Flux RGB Ratio:R=19.4%,G=77.7%,B=2.9% Peak Wave:623.6nm Half Width:194.1nm

Rendering Index:Ra= 93.6 CRI= 91.0

R1 =94 R2 =97 R3 =99 R4 =90 R5 =92 R6 =96 R7 =93 R8 =88

R9 =74 R10=92 R11=92 R12=68 R13=95 R14=99 R15=91

PPF:5.100umol/s (400-700nm)

PRF:1.1mW (400-700nm)

PAR:0.9mW (400-700nm)

Photo Parameters

Flux:344.42lm Effi.:94.9lm/W Radiant:1118.4mW Iv:0.0mcd

Scotopic Flux:609.1Plm Effi.:0.0Plm/W S/P:1.8

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:5429.370umol/s (380-780nm)

Ele. Parameters

Forward Current:If=302.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=12.02V

Reverse Current:Ir=0.00uA

Power:P=3.641W

Instrument state

Instrument:Lisun

Integral Time: 553.191ms

VPeak: 13688

VDark: 1232

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : F52-R400-5760S1 White

Manufacturer : -

Temperature : 'C

Humidity : -%

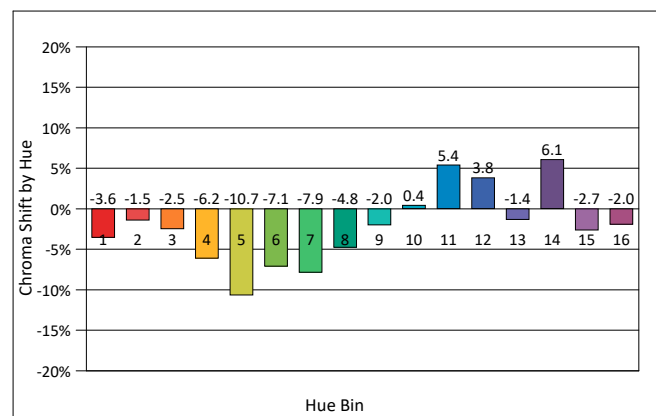
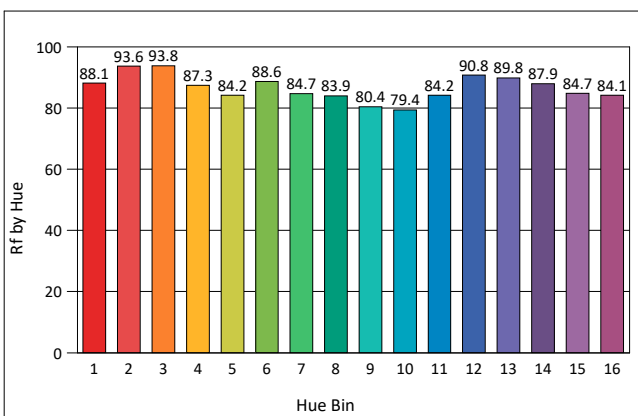
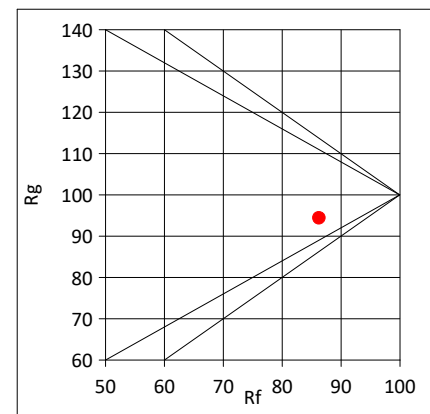
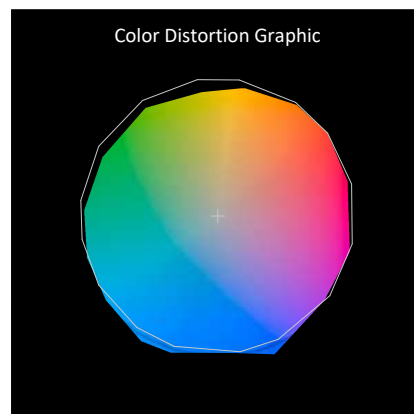
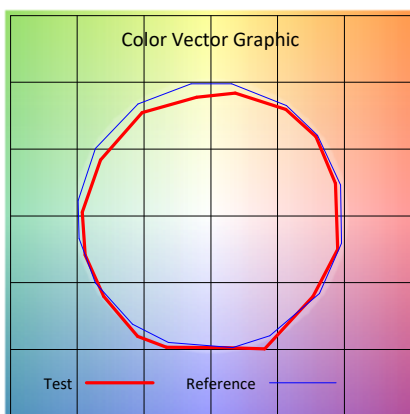
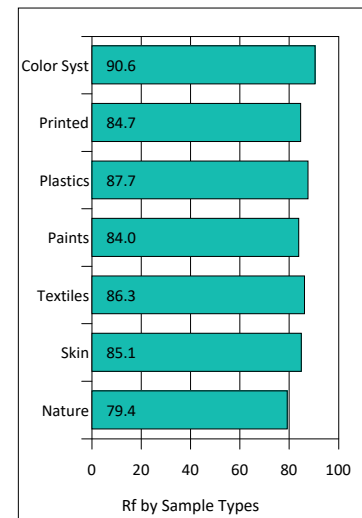
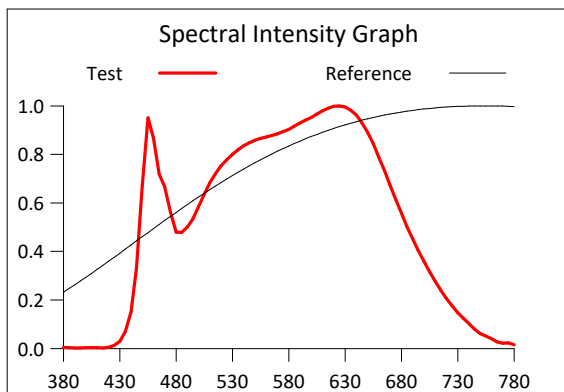
Operator : -

Test Date : 2023-09-25

Remark :

Rf: 86.3 CCT(K): 3849 u': 0.2250
 Rg: 94.4 LER: 293.4 Duv: 0.0054 v': 0.3409

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	88.1	-3.6%	1.8%
2	93.6	-1.5%	0.0%
3	93.8	-2.5%	-1.3%
4	87.3	-6.2%	-3.9%
5	84.2	-10.7%	-2.1%
6	88.6	-7.1%	1.0%
7	84.7	-7.9%	5.2%
8	83.9	-4.8%	7.8%
9	80.4	-2.0%	13.1%
10	79.4	0.4%	11.8%
11	84.2	5.4%	8.3%
12	90.8	3.8%	-0.7%
13	89.8	-1.4%	-6.3%
14	87.9	6.1%	-8.6%
15	84.7	-2.7%	-4.6%
16	84.1	-2.0%	-5.2%



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Product Mark

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Manufacturer : -

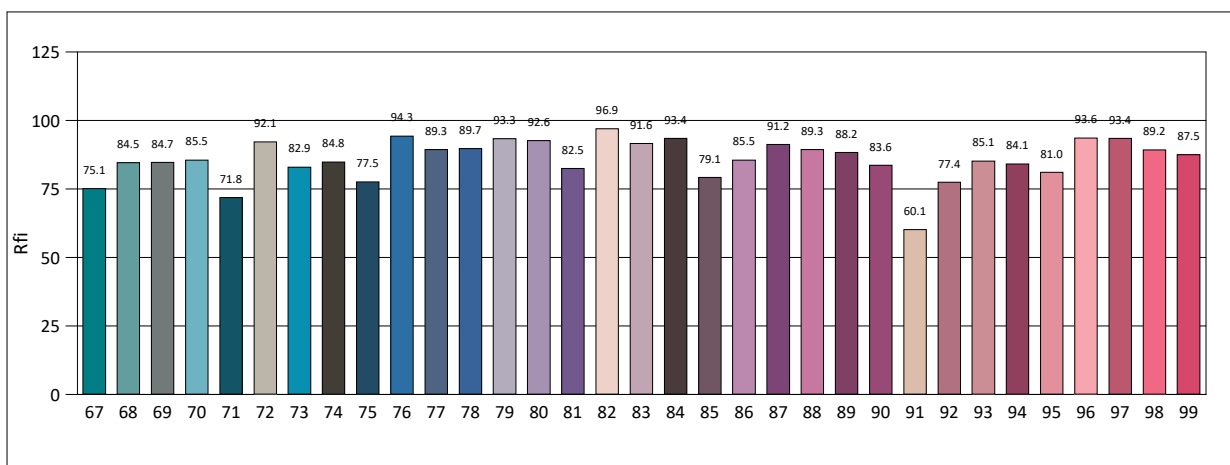
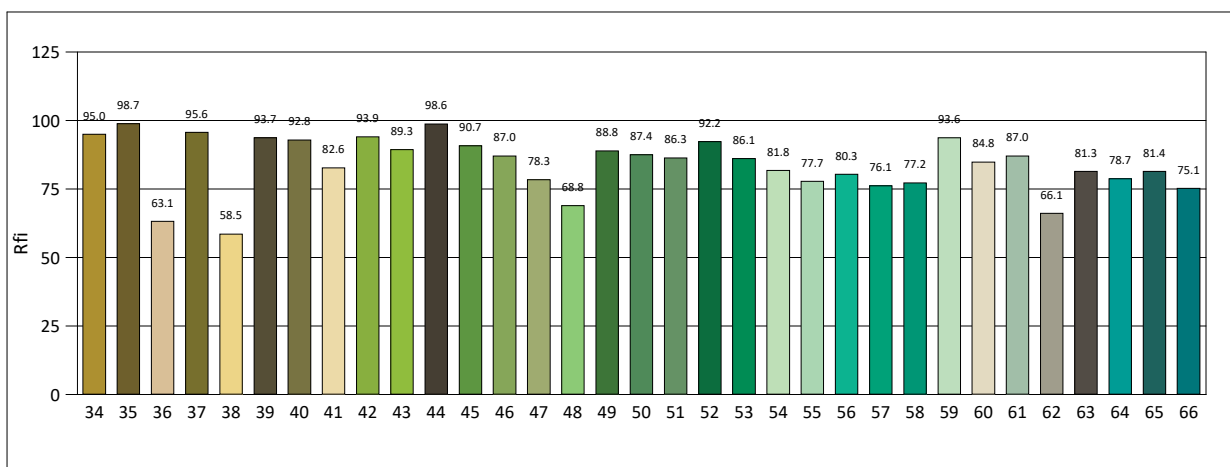
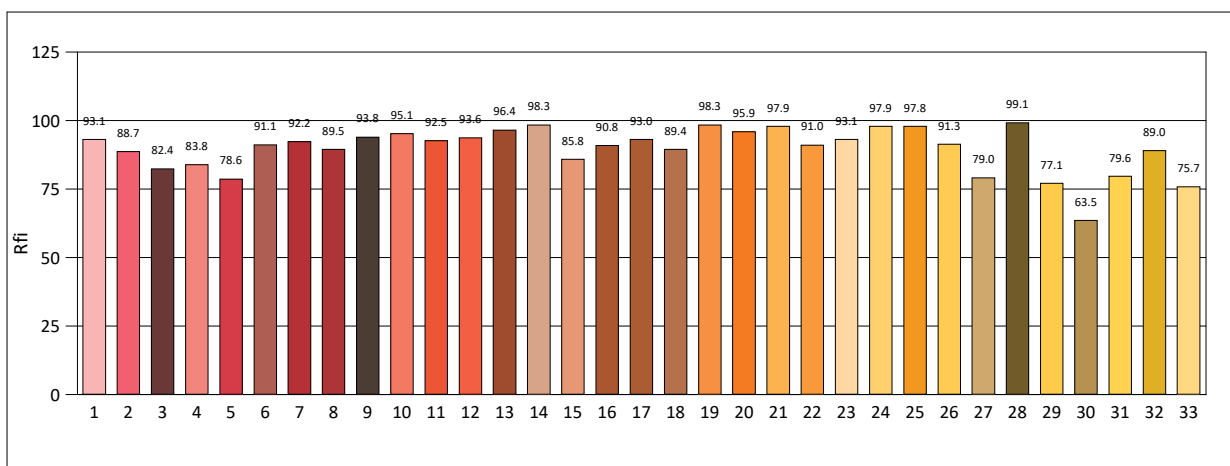
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark :



LED Test Report

Product Mark

Product Type : F52-R400-5760S1 Red

Manufacturer : -

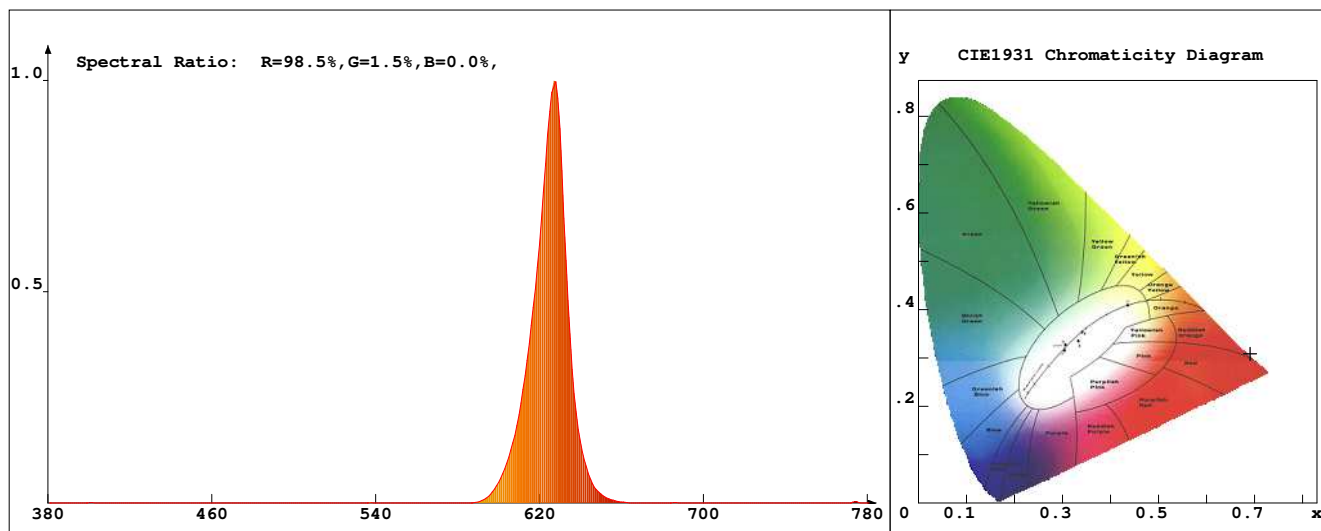
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark:



Chroma Parameters

Chro.Coord.:x=0.6909 y=0.3090 u=0.5189 v=0.3481 duv=-0.0005

CCT: 1312K Dominant Wave.:619.7nm Purity:100.0% Centre Wave:624.7nm

Flux RGB Ratio:R=97.1%,G=2.9%,B=0.0% Peak Wave:626.5nm Half Width:15.9nm

Rendering Index:Ra=-21.2 CRI=108.5

R1 =-59 R2 =41 R3 =21 R4 =-63 R5 =-27 R6 =70 R7 =-25 R8 =-127

R9 =-353 R10=23 R11=-77 R12=30 R13=-36 R14=48 R15=-96

PPF:2.499umol/s (400-700nm)

PRF:0.5mW (400-700nm)

PAR:0.5mW (400-700nm)

Photo Parameters

Flux:111.98lm Effi.:31.3lm/W Radiant:479.7mW Iv:0.0mcd

Scotopic Flux:6.1Plm Effi.:0.0Plm/W S/P:0.1

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:2500.700umol/s (380-780nm)

Ele. Parameters

Forward Current:If=298.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=12.00V

Reverse Current:Ir=0.00uA

Power:P=3.580W

Instrument state

Instrument:Lisun

Integral Time: 128.699ms

VPeak: 13736

VDark: 1031

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : F52-R400-5760S1 Red

Temperature : 'C

Operator : -

Remark :

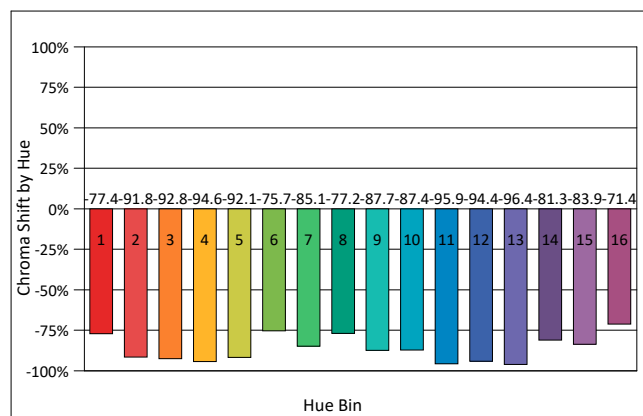
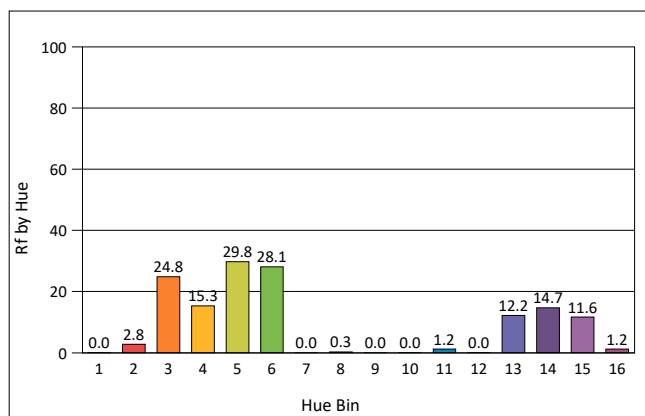
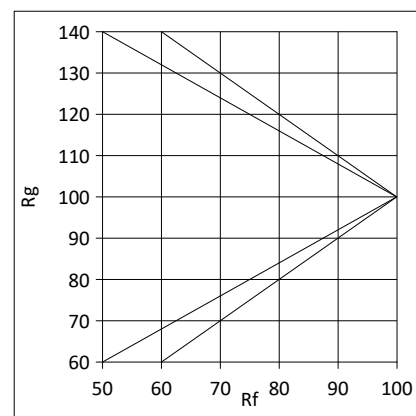
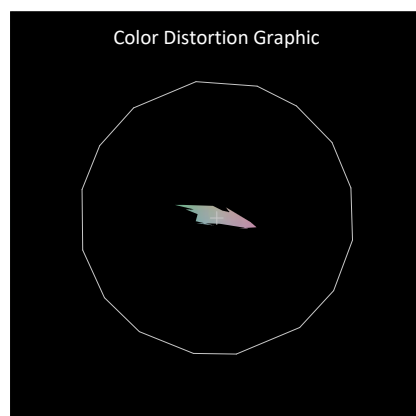
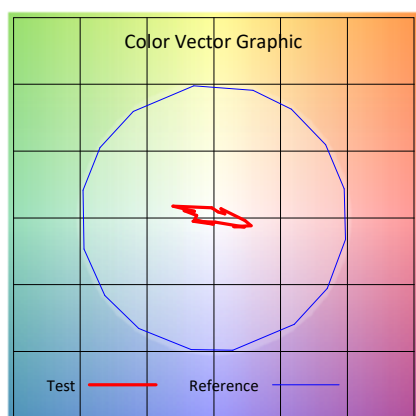
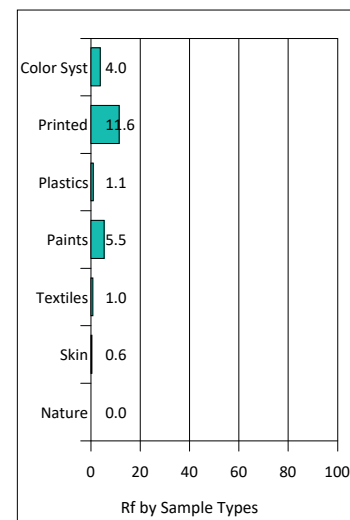
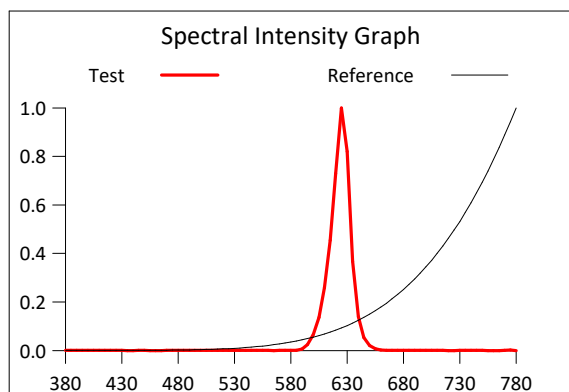
Manufacturer : -

Humidity : -%

Test Date : 2023-09-25

Rf: 0.5 CCT(K): 1312 u': 0.5189
Rg: 1.0 LER: 233.8 Duv: -0.0005 v': 0.3481

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-77.4%	-8.8%
2	2.8	-91.8%	3.7%
3	24.8	-92.8%	-2.2%
4	15.3	-94.6%	7.7%
5	29.8	-92.1%	4.7%
6	28.1	-75.7%	14.8%
7	0.0	-85.1%	0.5%
8	0.3	-77.2%	0.1%
9	0.0	-87.7%	-8.2%
10	0.0	-87.4%	-9.7%
11	1.2	-95.9%	3.1%
12	0.0	-94.4%	-17.3%
13	12.2	-96.4%	5.9%
14	14.7	-81.3%	9.4%
15	11.6	-83.9%	-0.5%
16	1.2	-71.4%	-3.6%



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Product Mark

Product Type : F52-R400-5760S1 Red

Manufacturer : -

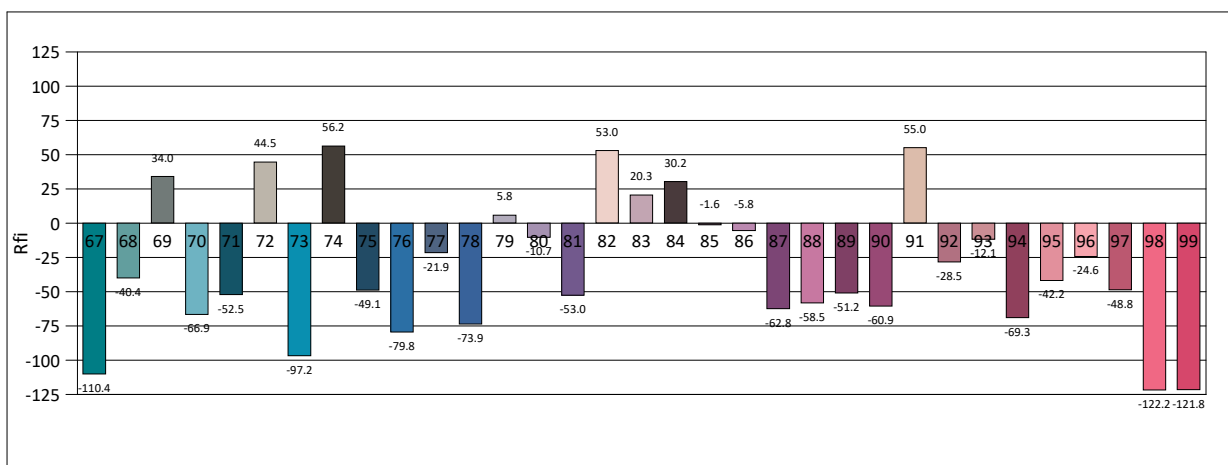
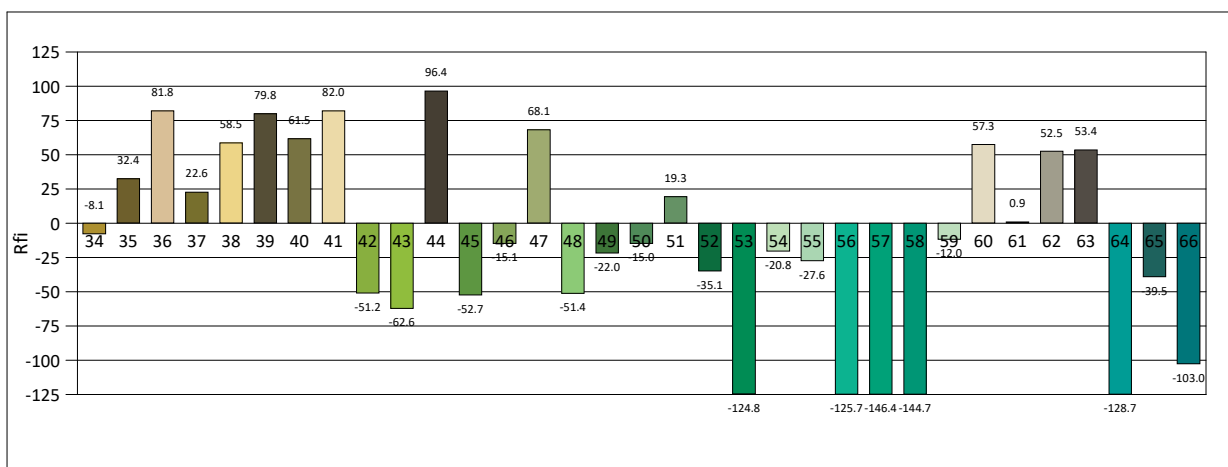
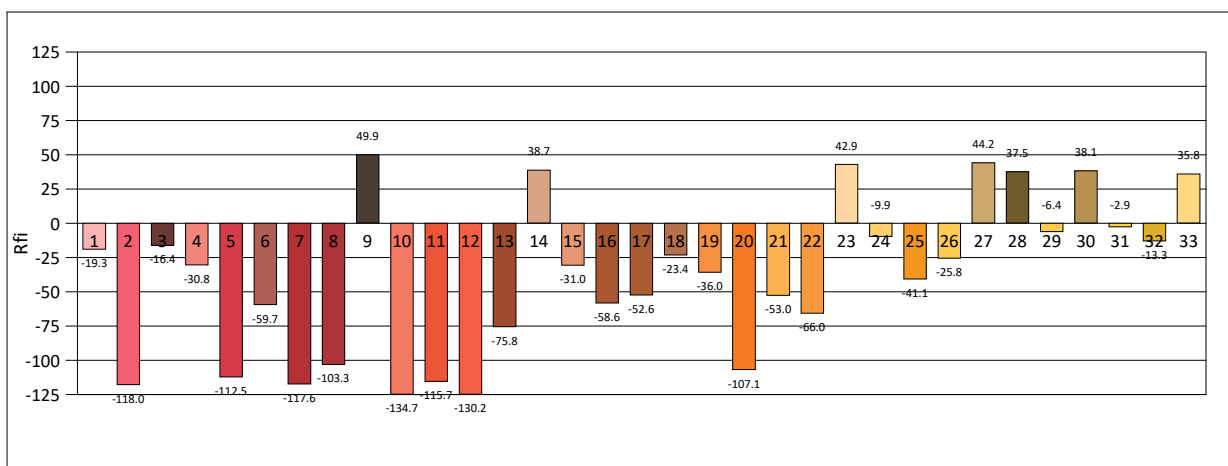
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark :



LED Test Report

Product Mark

Product Type : F52-R400-5760S1 Green

Manufacturer : -

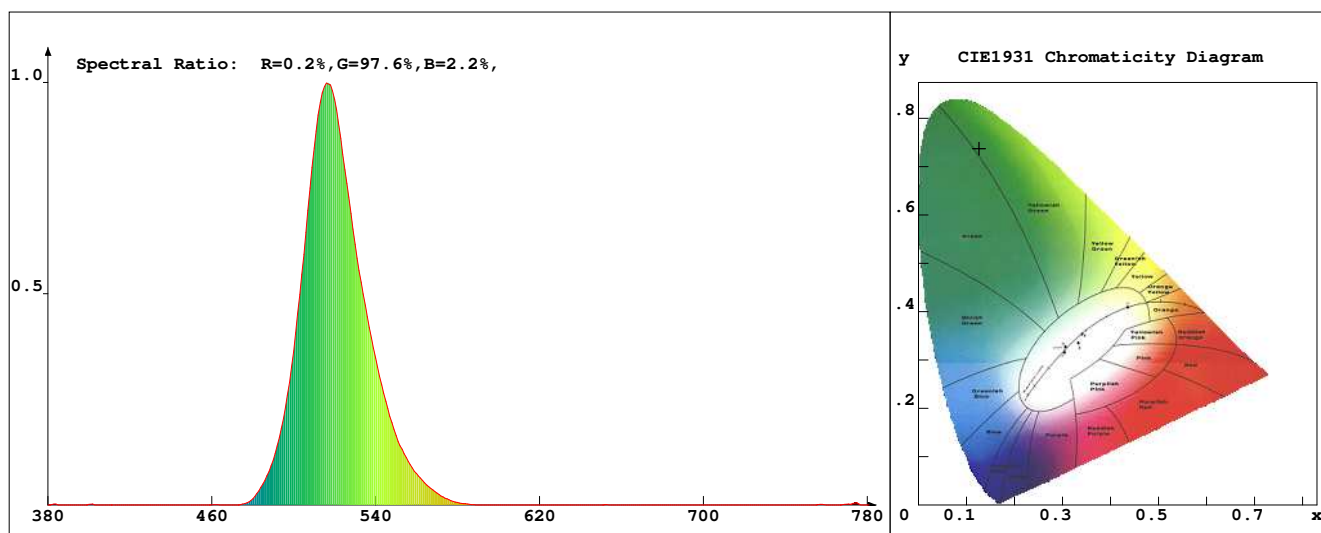
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark :



Chroma Parameters

Chro.Coord.: $x=0.1262$ $y=0.7372$ $u=0.0435$ $v=0.3815$ $duv=0.1709$

CCT: 8503K Dominant Wave.: 520.3nm Purity: 80.7% Centre Wave: 517.5nm

Flux RGB Ratio: R=0.0%, G=99.4%, B=0.6% Peak Wave: 515.6nm Half Width: 30.9nm

Rendering Index: Ra=-33.0 CRI=109.1

R1 =-40 R2 =-18 R3 =-39 R4 =-75 R5 =-14 R6 =-26 R7 =-16 R8 =-35

R9 =-365 R10=-126 R11=-106 R12=-44 R13=-49 R14=31 R15=-34

PPF: 1.850 $\mu\text{mol/s}$ (400-700nm)

PRF: 0.4mW (400-700nm)

PAR: 0.3mW (400-700nm)

Photo Parameters

Flux: 219.04lm Effi.: 74.2lm/W Radiant: 426.2mW Iv: 0.0mcd

Scotopic Flux: 716.9Plm Effi.: 0.0Plm/W S/P: 3.3

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 1853.540 $\mu\text{mol/s}$ (380-780nm)

Ele. Parameters

Forward Current: If=246.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=12.00V

Reverse Current: Ir=0.00uA

Power: P=2.961W

Instrument state

Instrument: Lisun

Integral Time: 213.642ms

VPeak: 12616

VDark: 1155

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : F52-R400-5760S1 Green

Manufacturer : -

Temperature : 'C

Humidity : -%

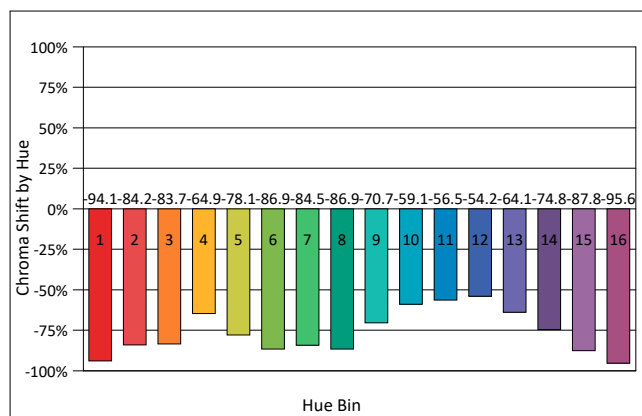
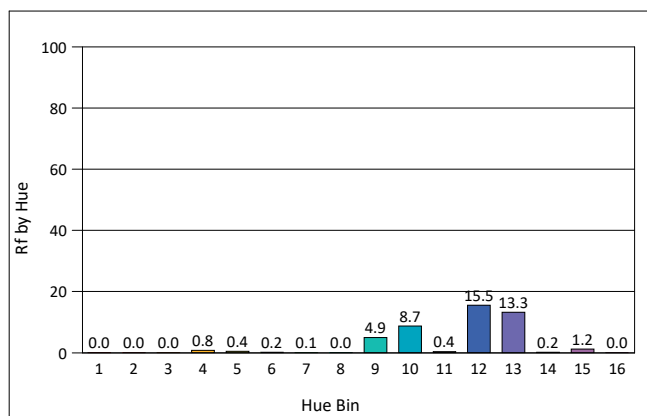
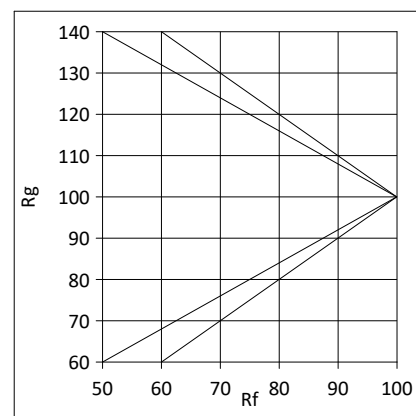
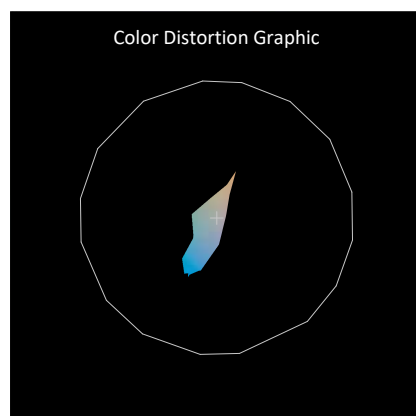
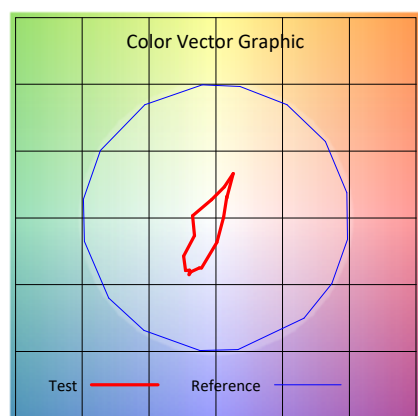
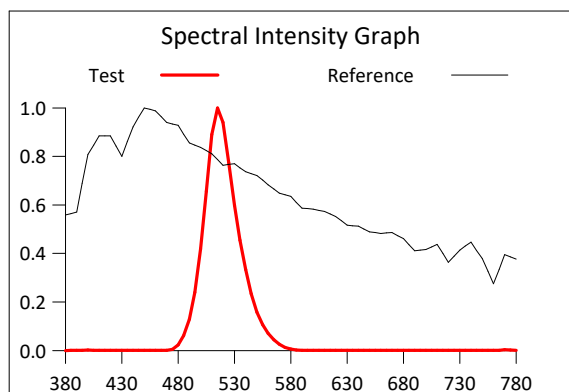
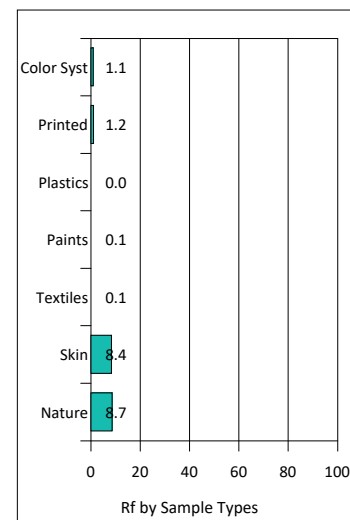
Operator : -

Test Date : 2023-09-25

Remark :

Rf: 0.2 CCT(K): 8503 u': 0.0435
 Rg: 3.2 LER: 450.0 Duv: 0.1709 v': 0.3815

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.0	-94.1%	0.3%
2	0.0	-84.2%	6.8%
3	0.0	-83.7%	-1.4%
4	0.8	-64.9%	-7.6%
5	0.4	-78.1%	-1.3%
6	0.2	-86.9%	-1.8%
7	0.1	-84.5%	2.3%
8	0.0	-86.9%	10.5%
9	4.9	-70.7%	25.2%
10	8.7	-59.1%	15.0%
11	0.4	-56.5%	3.5%
12	15.5	-54.2%	-19.0%
13	13.3	-64.1%	-23.3%
14	0.2	-74.8%	-44.1%
15	1.2	-87.8%	-44.4%
16	0.0	-95.6%	-21.2%



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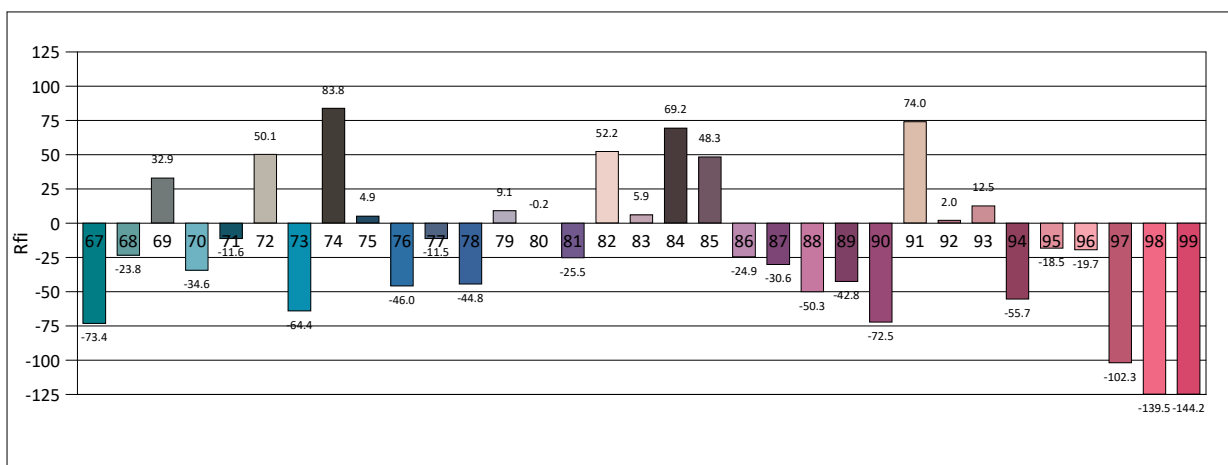
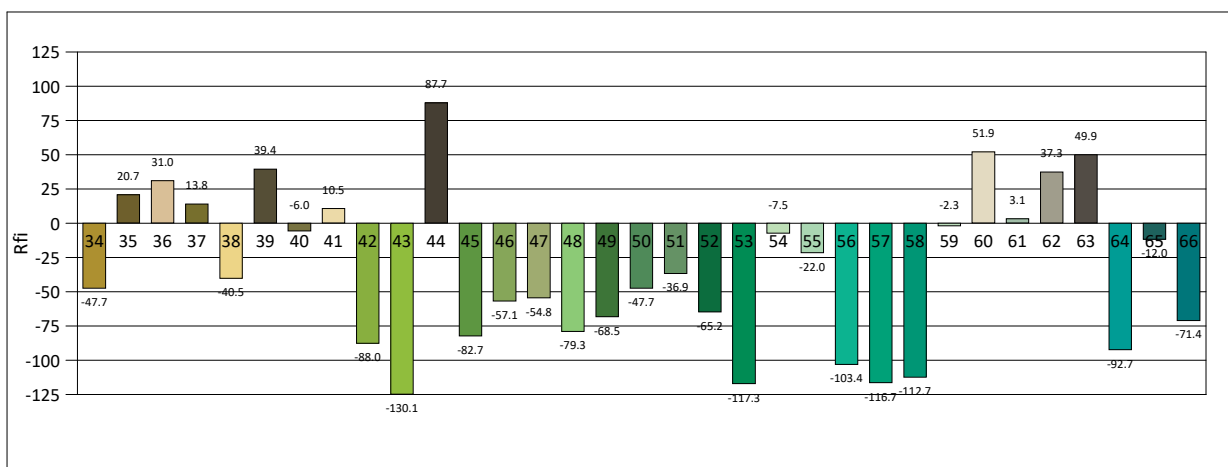
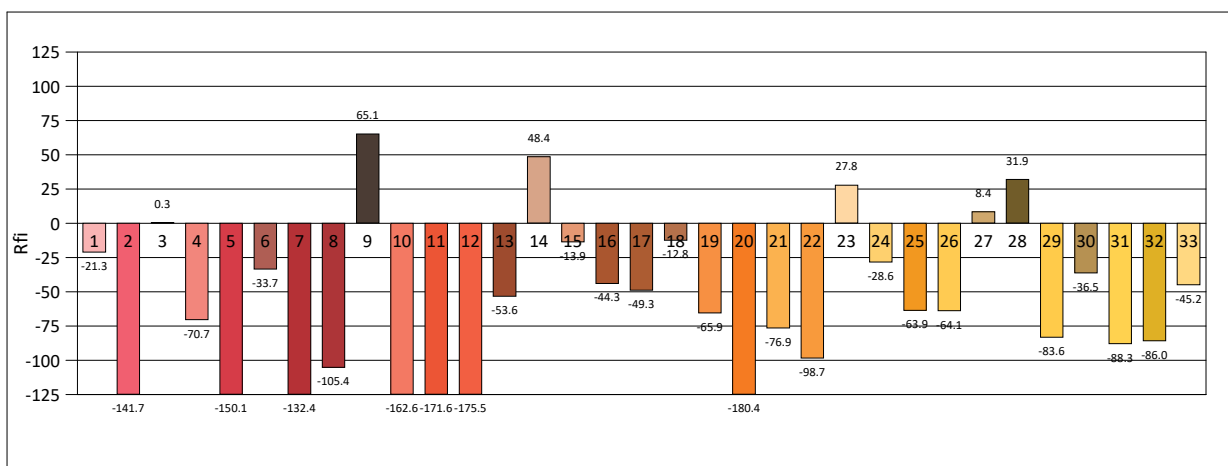
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark :



LED Test Report

Product Mark

Product Type : F52-R400-5760S1 Blu

Manufacturer : -

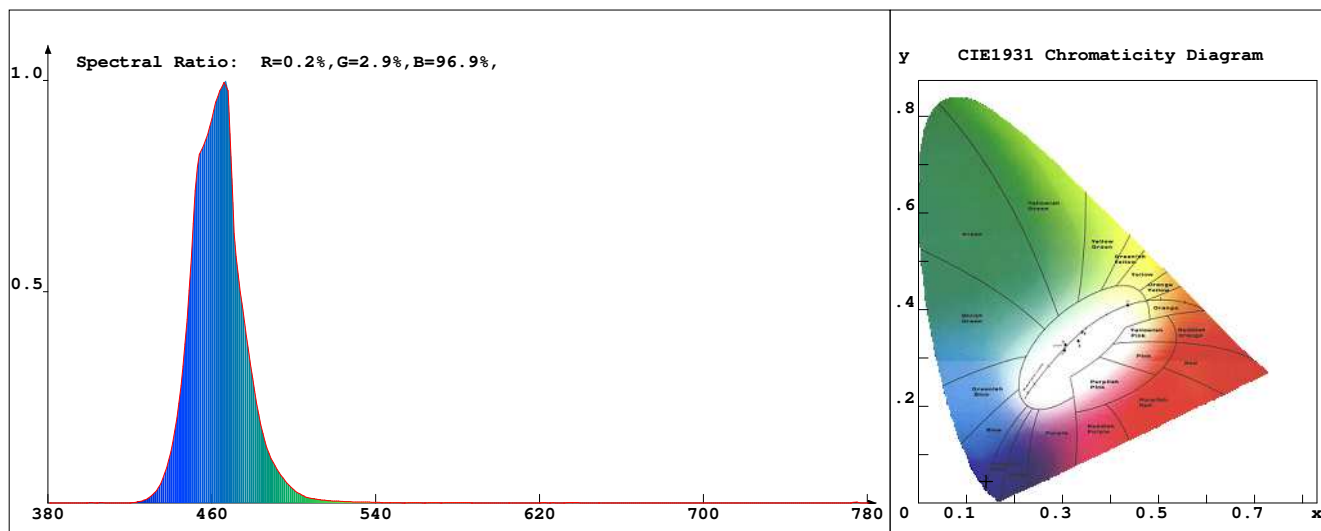
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2023-09-25

Remark:



Chroma Parameters

Chro.Coord.:x=0.1407 y=0.0448 u=0.1728 v=0.0825 duv=-0.0379

CCT:100000K Dominant Wave.:464.5nm Purity:97.9% Centre Wave:460.4nm

Flux RGB Ratio:R=0.4%,G=14.4%,B=85.2% Peak Wave:465.7nm Half Width:25.1nm

Rendering Index:Ra=-57.4 CRI=118.3

R1 =-15 R2 =-53 R3 =-150 R4 =-87 R5 =-0 R6 =-63 R7 =-53 R8 =-37

R9 =-275 R10=-250 R11=-116 R12=-121 R13=-37 R14=-35 R15=1

PPF:1.941umol/s (400-700nm)

PRF:0.5mW (400-700nm)

PAR:0.4mW (400-700nm)

Photo Parameters

Flux:38.86lm Effi.:17.7lm/W Radiant:501.8mW Iv:0.0mcd

Scotopic Flux:710.5Plm Effi.:0.0Plm/W S/P:18.3

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:1942.250umol/s (380-780nm)

Ele. Parameters

Forward Current:If=183.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=12.02V

Reverse Current:Ir=0.00uA

Power:P=2.211W

Instrument state

Instrument:Lisun

Integral Time: 250.000ms

VPeak: 16383

VDark: 1193

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

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Temperature : 'C

Operator : -

Remark :

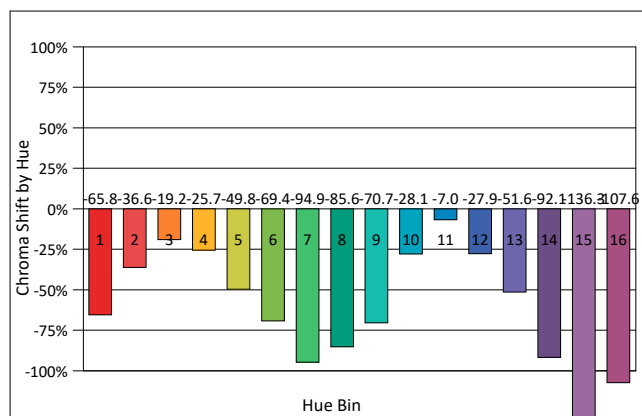
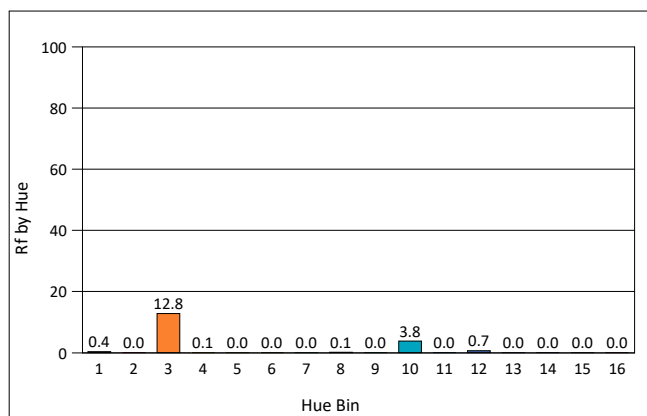
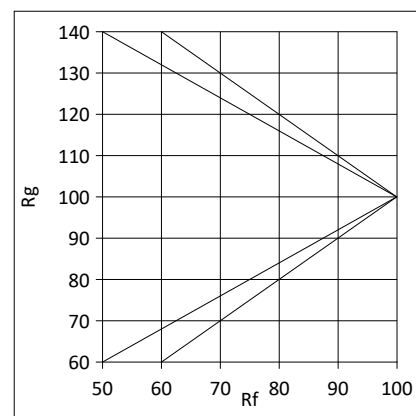
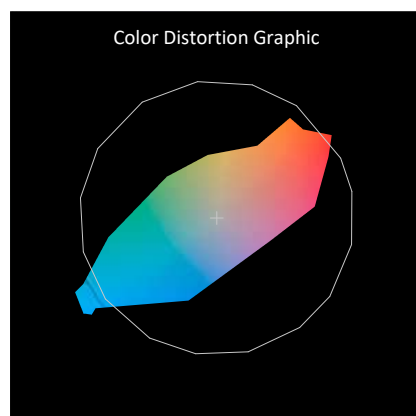
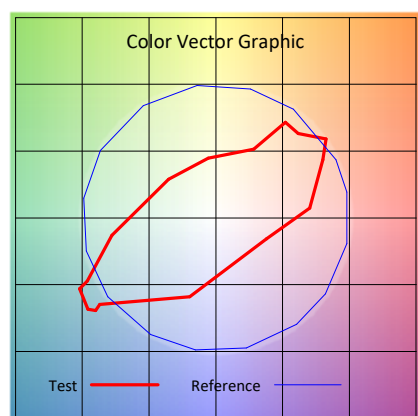
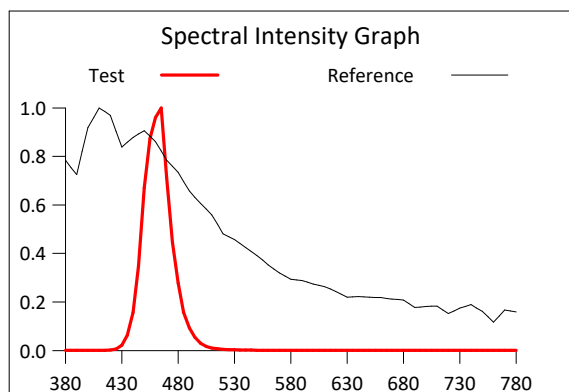
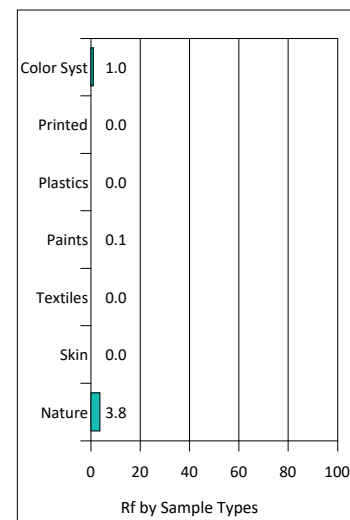
Manufacturer : -

Humidity : -%

Test Date : 2023-09-25

Rf: 0.0 CCT(K): 100000 u': 0.1728
 Rg: 43.1 LER: 54.8 Duv: -0.0379 v': 0.0825

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	0.4	-65.8%	-22.5%
2	0.0	-36.6%	-19.1%
3	12.8	-19.2%	-39.5%
4	0.1	-25.7%	-62.9%
5	0.0	-49.8%	-67.1%
6	0.0	-69.4%	-81.4%
7	0.0	-94.9%	-64.6%
8	0.1	-85.6%	-47.6%
9	0.0	-70.7%	-40.7%
10	3.8	-28.1%	-36.5%
11	0.0	-7.0%	-61.6%
12	0.7	-27.9%	-93.9%
13	0.0	-51.6%	-110.8%
14	0.0	-92.1%	-119.3%
15	0.0	-136.3%	-100.4%
16	0.0	-107.6%	-61.9%



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Remark :

