

LED Test Report

Product Mark

Product Type : F52-CCT-240D22 WW

Manufacturer : -

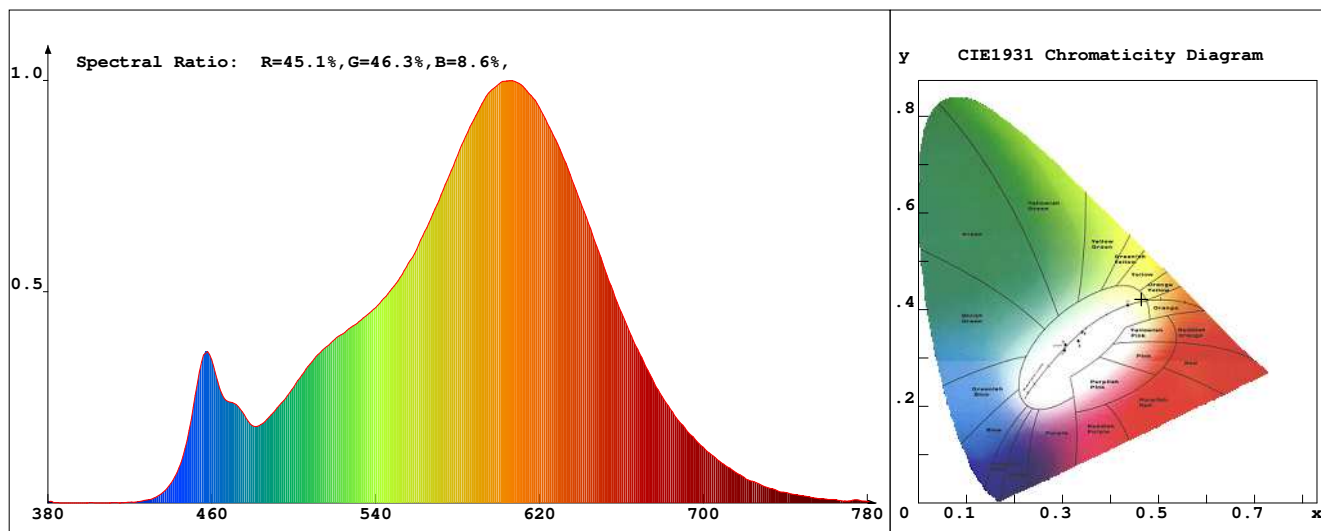
Temperature : -'C

Humidity : -%

Operator : -

Test Date : 2023-06-15

Remark:



Chroma Parameters

Chro.Coord.: $x=0.4641$ $y=0.4212$ $u=0.2605$ $v=0.3546$ $duv=0.0035$

CCT: 2723K Dominant Wave.: 583.0nm Purity: 65.8% Centre Wave: 600.9nm

Flux RGB Ratio: $R=23.6\%$, $G=74.9\%$, $B=1.5\%$ Peak Wave: 604.8nm Half Width: 108.4nm

Rendering Index: $R_a=80.4$ CRI= 78.1

$R_1=79$	$R_2=91$	$R_3=94$	$R_4=77$	$R_5=79$	$R_6=92$	$R_7=79$	$R_8=52$
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$R_9=-3$	$R_{10}=82$	$R_{11}=77$	$R_{12}=71$	$R_{13}=82$	$R_{14}=97$	$R_{15}=69$
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PPF: 17.600 $\mu\text{mol/s}$ (400–700nm)

PRF: 3.6mW (400–700nm)

PAR: 3.2mW (400–700nm)

Photo Parameters

Flux: 1328.86lm Effi.: 102.11m/W Radiant: 3688.7mW Iv: 0.0mcd

Scotopic Flux: 1625.4Plm Effi.: 0.0Plm/W S/P: 1.2

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 18093.600 $\mu\text{mol/s}$ (380–780nm)

Ele. Parameters

Forward Current: $I_f=550.0\text{mA}$ Reverse Voltage: $V_r=5.00\text{V}$ Forward Voltage: $V_f=23.66\text{V}$ Reverse Current: $I_r=0.00\mu\text{A}$ Power: $P=13.020\text{W}$

Instrument state

Instrument: Lisun

Integral Time: 126.978ms

VPeak: 15080

VDark: 1384

Scan Range: 380–780nm

Product ID: 201508924

IES TM-30-2015 Test Report

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Operator : -

Remark :

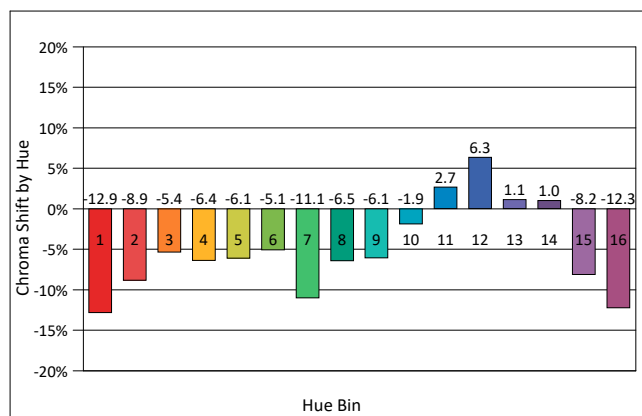
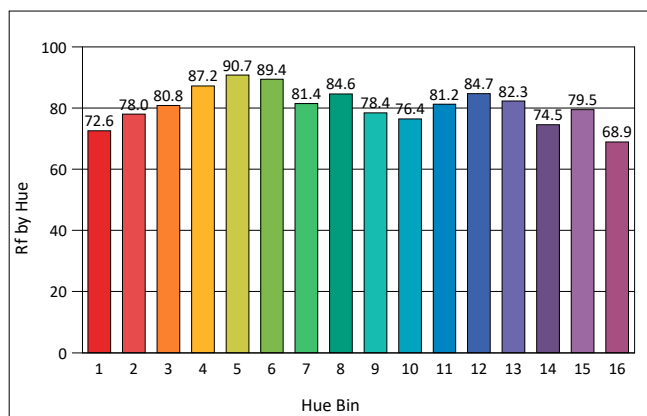
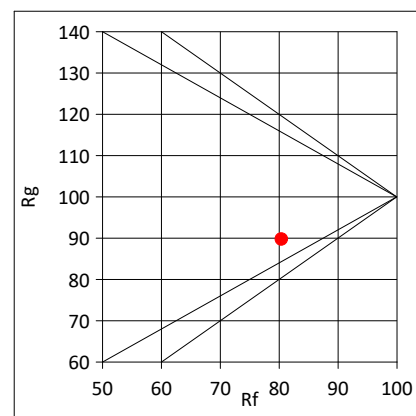
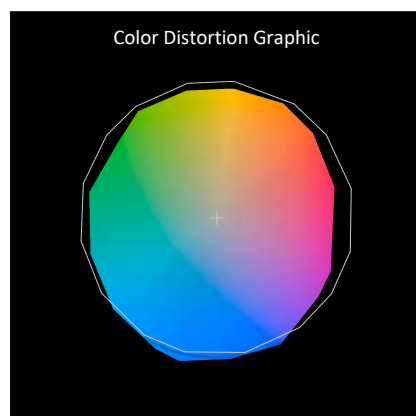
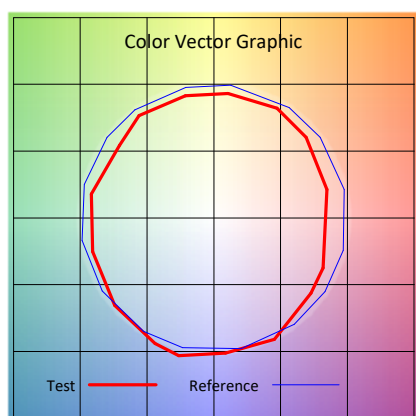
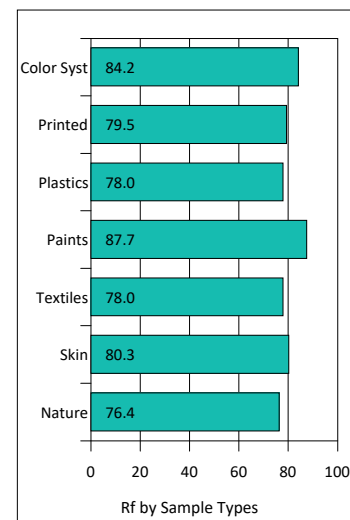
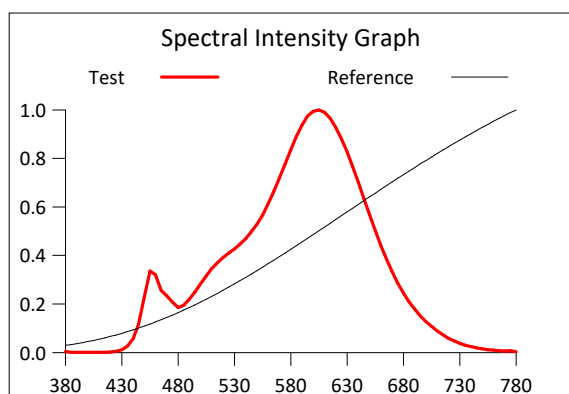
Manufacturer : -

Humidity : -%

Test Date : 2023-06-15

Rf: 80.4 CCT(K): 2723 u': 0.2605
Rg: 89.7 LER: 340.0 Duv: 0.0035 v': 0.3546

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	72.6	-12.9%	2.4%
2	78.0	-8.9%	5.9%
3	80.8	-5.4%	7.2%
4	87.2	-6.4%	0.6%
5	90.7	-6.1%	1.4%
6	89.4	-5.1%	-0.1%
7	81.4	-11.1%	-0.2%
8	84.6	-6.5%	6.0%
9	78.4	-6.1%	9.8%
10	76.4	-1.9%	14.0%
11	81.2	2.7%	12.4%
12	84.7	6.3%	-1.6%
13	82.3	1.1%	-12.1%
14	74.5	1.0%	-18.7%
15	79.5	-8.2%	-6.8%
16	68.9	-12.3%	-16.0%



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Temperature : -'C

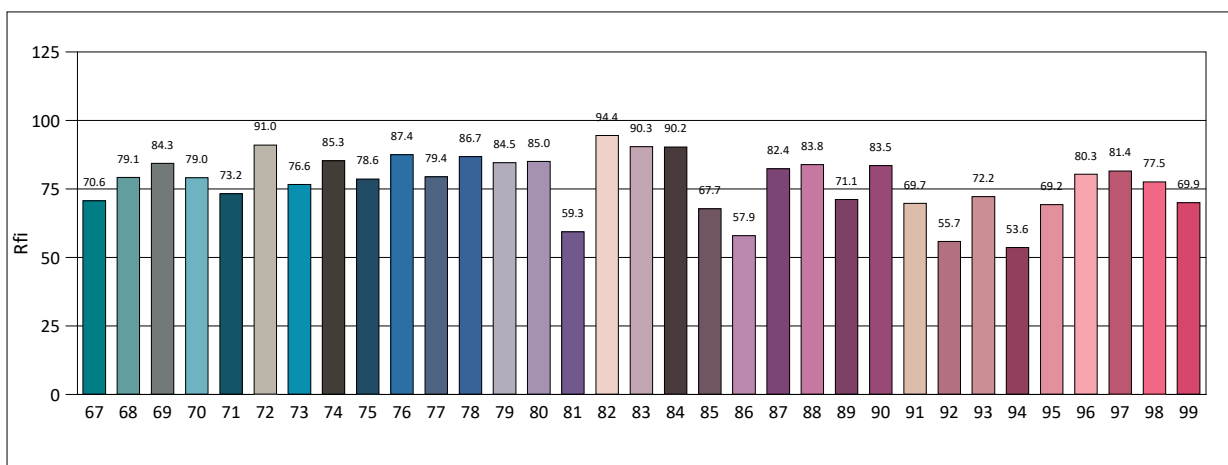
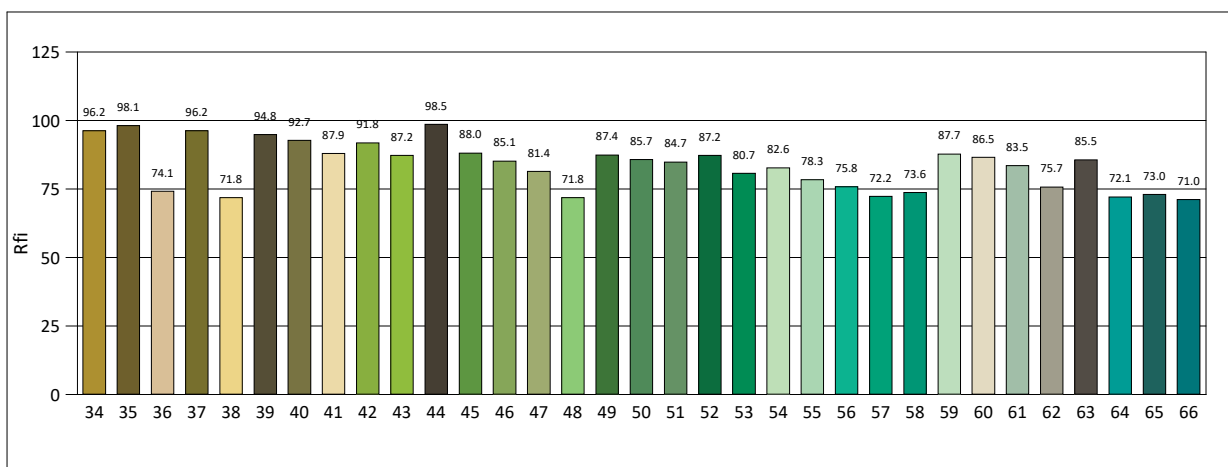
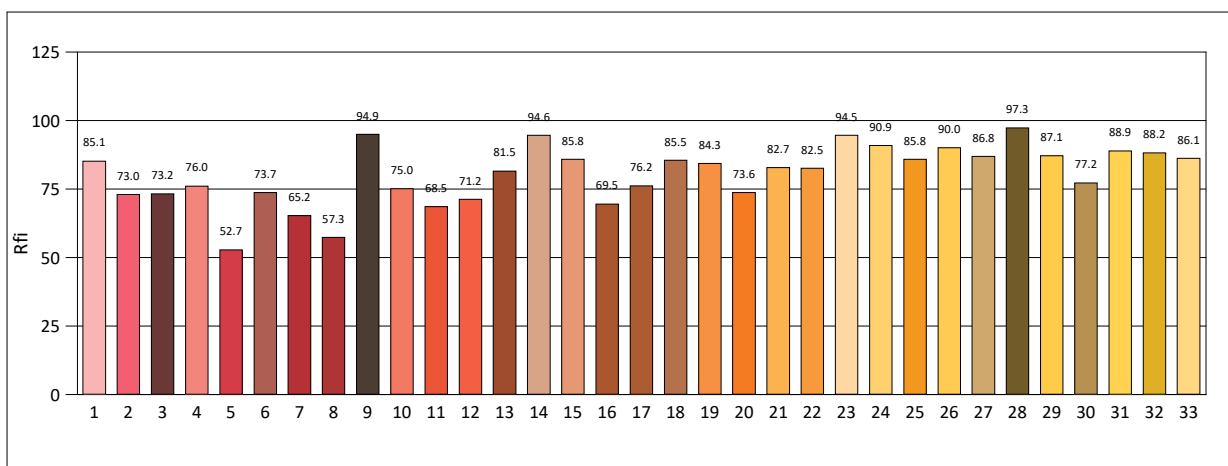
Operator : -

Remark:

Manufacturer : -

Humidity : -%

Test Date : 2023-06-15



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Product Mark

Product Type : F52-CCT-240D22 CW

Manufacturer : -

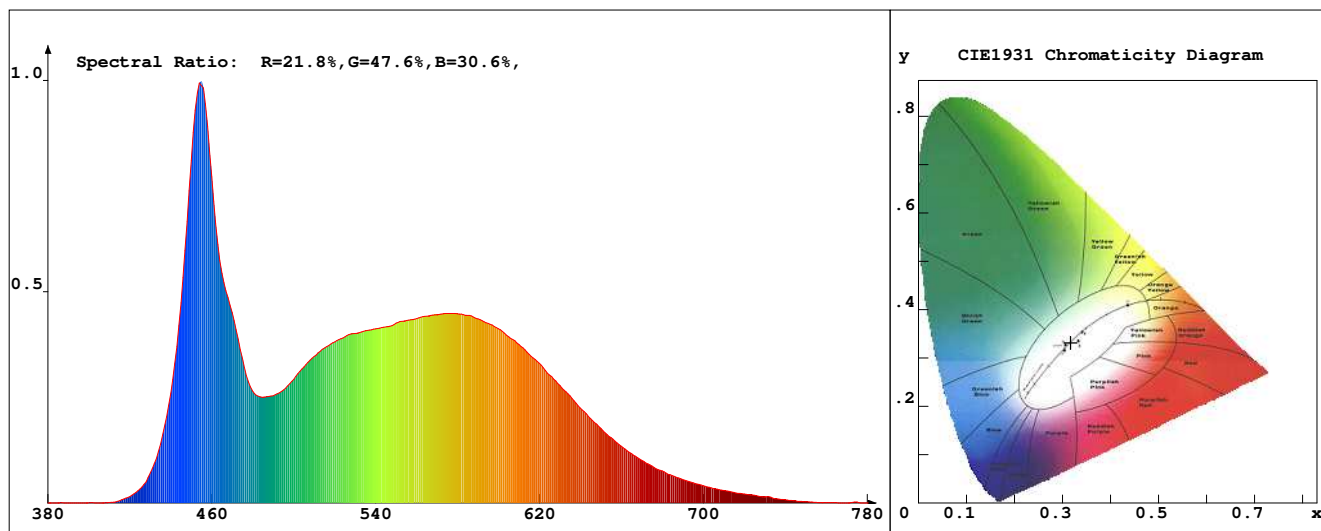
Temperature : -'C

Humidity : -%

Operator : -

Test Date : 2023-06-15

Remark:



Chroma Parameters

Chro.Coord.: x=0.3170 y=0.3316 u=0.1998 v=0.3136 duv=0.0024

CCT: 6262K Dominant Wave.: 490.4nm Purity: 5.6% Centre Wave: 455.2nm

Flux RGB Ratio: R=13.3%, G=82.2%, B=4.4% Peak Wave: 453.8nm Half Width: 21.9nm

Rendering Index: Ra= 84.3 CRI= 80.6

R1 =86 R2 =94 R3 =93 R4 =78 R5 =80 R6 =83 R7 =89 R8 =72

R9 =12 R10=82 R11=78 R12=57 R13=90 R14=97 R15=81

PPF: 18.316 $\mu\text{mol/s}$ (400–700nm)

PRF: 4.1mW (400–700nm)

PAR: 3.4mW (400–700nm)

Photo Parameters

Flux: 1397.60lm Effi.: 107.5lm/W Radiant: 4108.9mW Iv: 0.0mcd

Scotopic Flux: 3130.6Plm Effi.: 0.0Plm/W S/P: 2.2

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 18568.100 $\mu\text{mol/s}$ (380–780nm)

Ele. Parameters

Forward Current: If=548.0mA

Reverse Voltage: Vr=5.00V

Forward Voltage: Vf=23.73V

Reverse Current: Ir=0.00uA

Power: P=13.020W

Instrument state

Instrument: Lisun

Integral Time: 63.850ms

VPeak: 13272

VDark: 1249

Scan Range: 380–780nm

Product ID: 201508924

IES TM-30-2015 Test Report

Product Mark

Product Type : F52-CCT-240D22 CW

Temperature : -'C

Operator : -

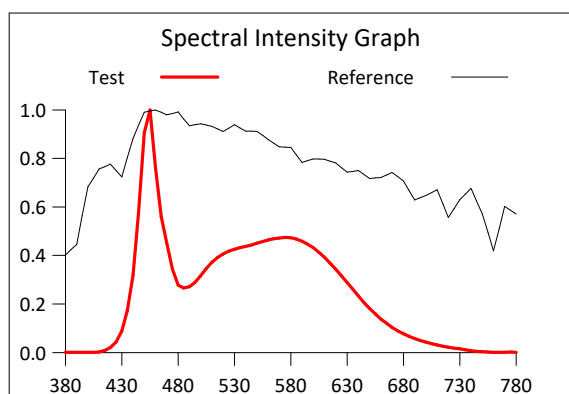
Remark :

Manufacturer : -

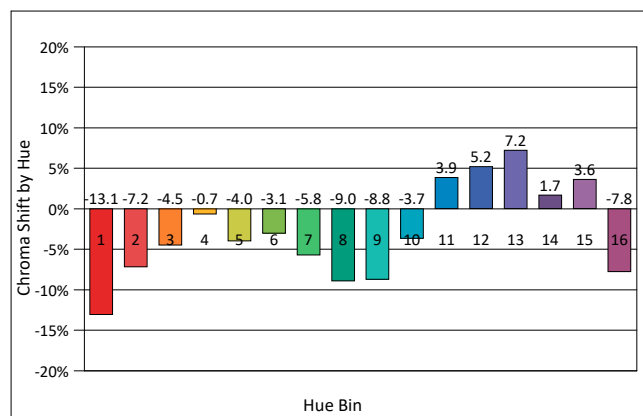
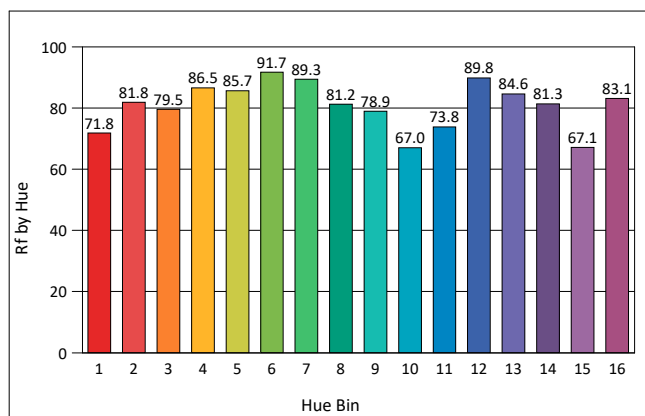
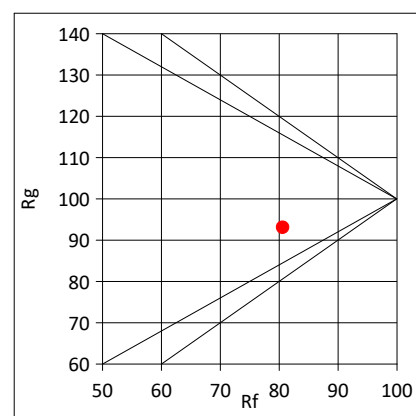
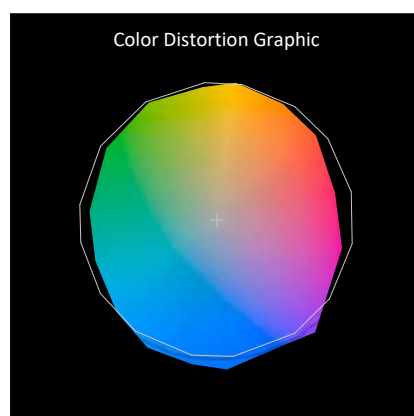
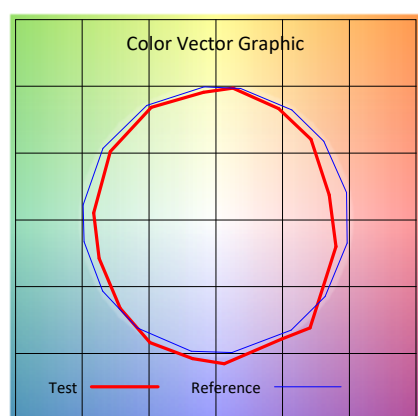
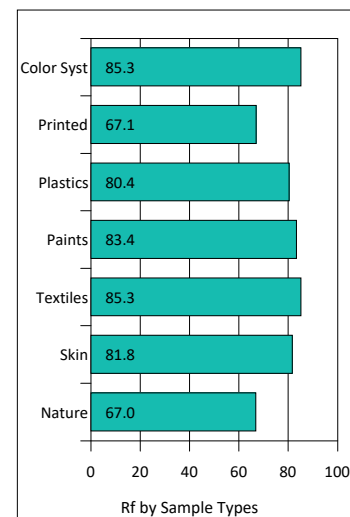
Humidity : -%

Test Date : 2023-06-15

Rf: 80.6 CCT(K): 6262 u': 0.1998
 Rg: 93.1 LER: 312.1 Duv: 0.0024 v': 0.3136



Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	71.8	-13.1%	0.7%
2	81.8	-7.2%	6.5%
3	79.5	-4.5%	8.7%
4	86.5	-0.7%	5.7%
5	85.7	-4.0%	1.5%
6	91.7	-3.1%	-1.8%
7	89.3	-5.8%	-1.0%
8	81.2	-9.0%	4.3%
9	78.9	-8.8%	14.4%
10	67.0	-3.7%	18.0%
11	73.8	3.9%	14.1%
12	89.8	5.2%	2.0%
13	84.6	7.2%	-7.2%
14	81.3	1.7%	-9.9%
15	67.1	3.6%	-25.8%
16	83.1	-7.8%	-4.1%



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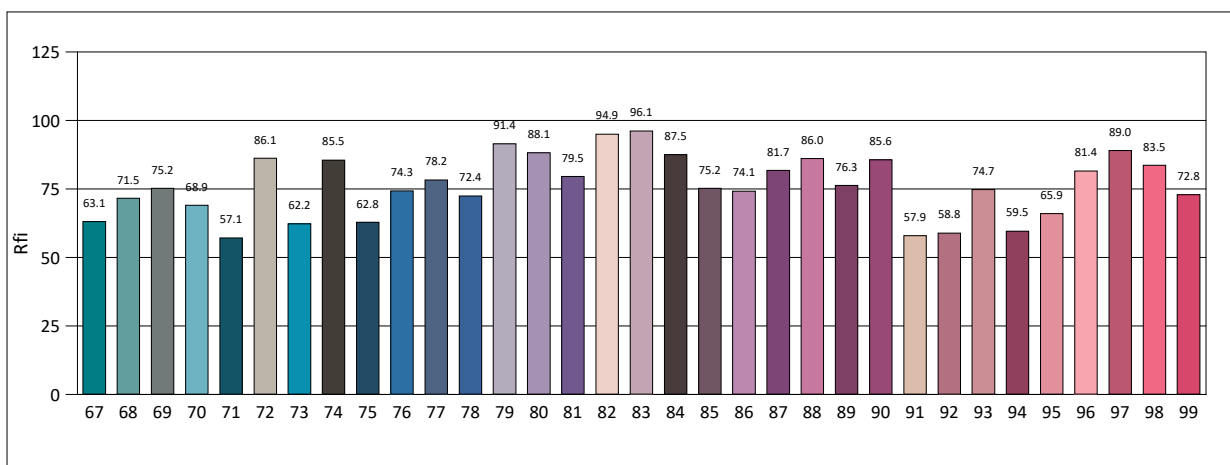
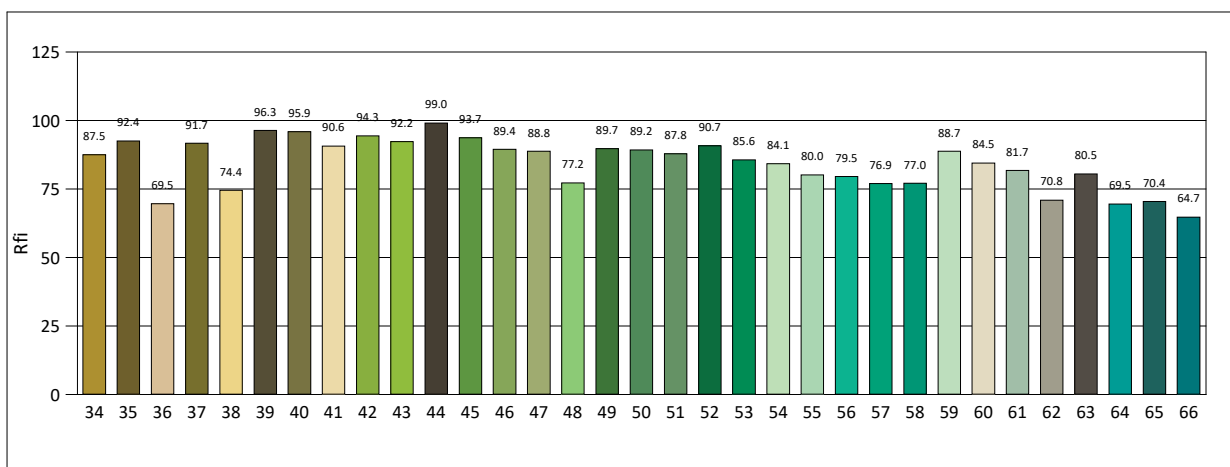
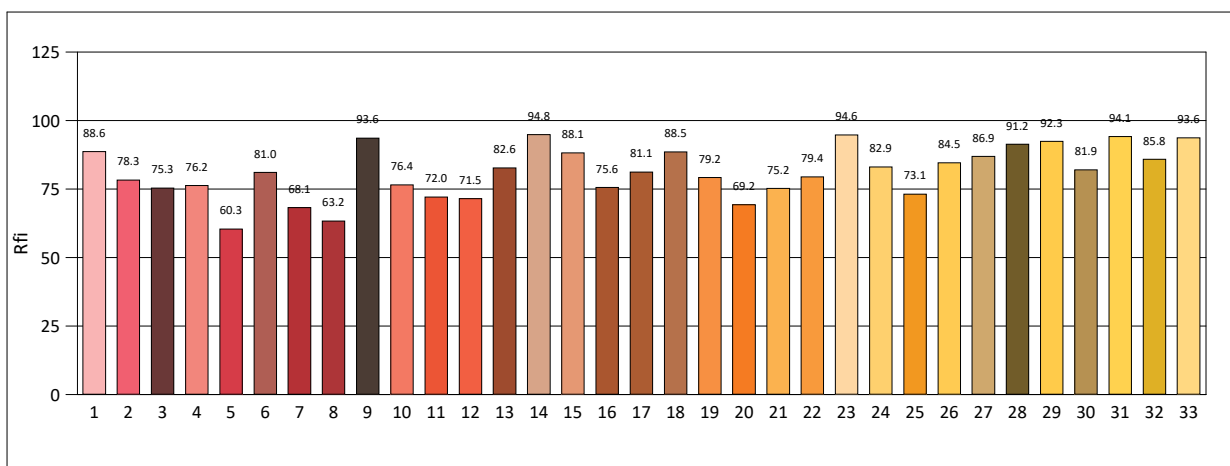
Temperature : -'C

Humidity : -%

Operator : -

Test Date : 2023-06-15

Remark :



LED Test Report

Product Mark

Product Type : F52-CCT-240D22 WW+CW

Manufacturer : -

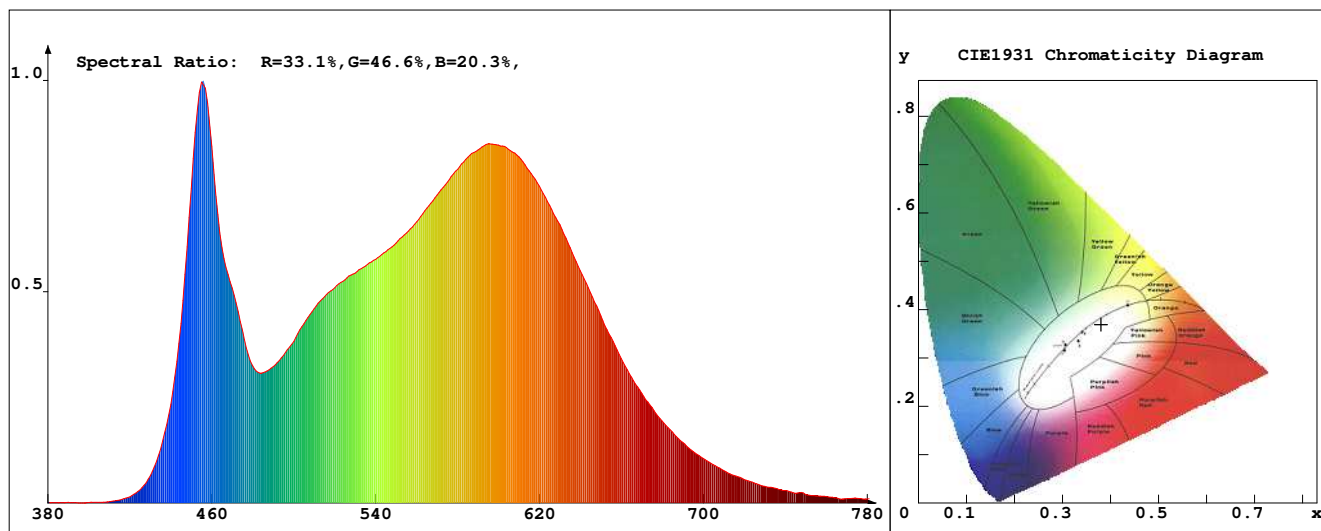
Temperature : -'C

Humidity : -%

Operator : -

Test Date : 2023-06-15

Remark:



Chroma Parameters

Chro.Coord.:x=0.3806 y=0.3691 u=0.2283 v=0.3321 duv=-0.0037

CCT: 3937K Dominant Wave.:581.5nm Purity:25.0% Centre Wave:457.4nm

Flux RGB Ratio:R=18.4%,G=78.6%,B=3.0% Peak Wave:454.8nm Half Width:24.3nm

Rendering Index:Ra= 85.3 CRI= 82.3

R1 =85 R2 =95 R3 =95 R4 =82 R5 =85 R6 =91 R7 =84 R8 =65

R9 =18 R10=87 R11=82 R12=67 R13=89 R14=98 R15=80

PPF:33.742umol/s (400-700nm)

PRF:7.2mW (400-700nm)

PAR:6.2mW (400-700nm)

Photo Parameters

Flux:2528.19lm Effi.:107.8lm/W Radiant:7359.8mW Iv:0.0mcd

Scotopic Flux:4415.6Plm Effi.:0.0Plm/W S/P:1.7

Efficiency:0.00

Effi Level:A++ (EU 874-2012) Photon Flux:34640.398umol/s (380-780nm)

Ele. Parameters

Forward Current:If=1018.0mA

Reverse Voltage:Vr=5.00V

Forward Voltage:Vf=23.03V

Reverse Current:Ir=0.00uA

Power:P=23.461W

Instrument state

Instrument:Lisun

Integral Time: 60.322ms

VPeak: 14168

VDark: 1369

Scan Range: 380-780nm

Product ID: 201508924

IES TM-30-2015 Test Report

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Temperature : -'C

Operator : -

Remark :

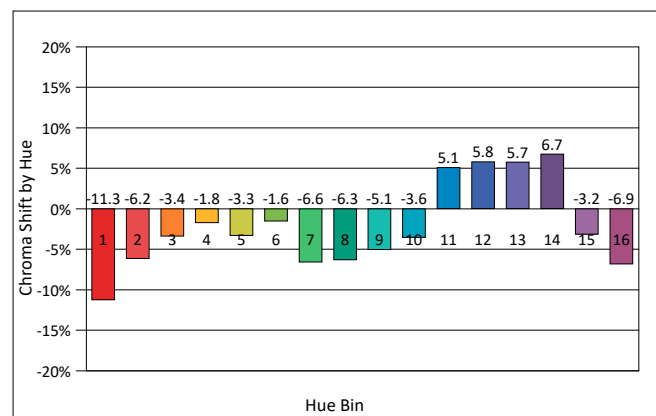
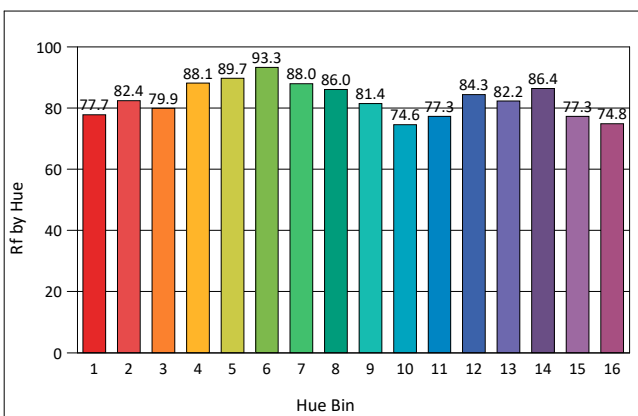
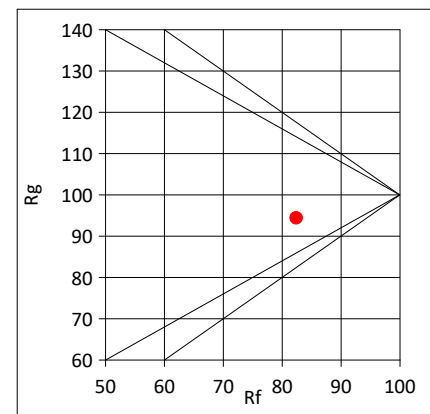
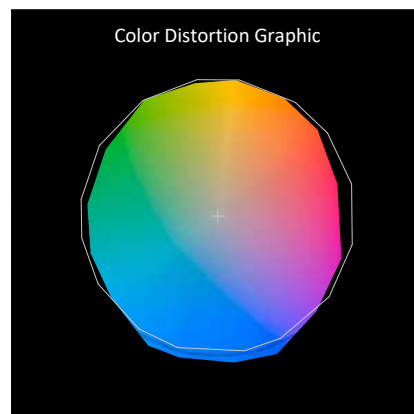
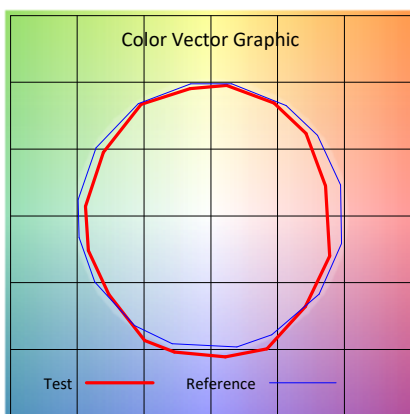
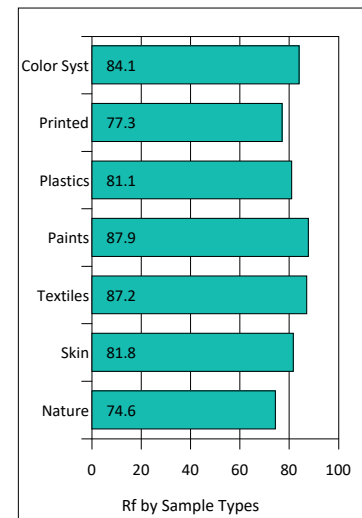
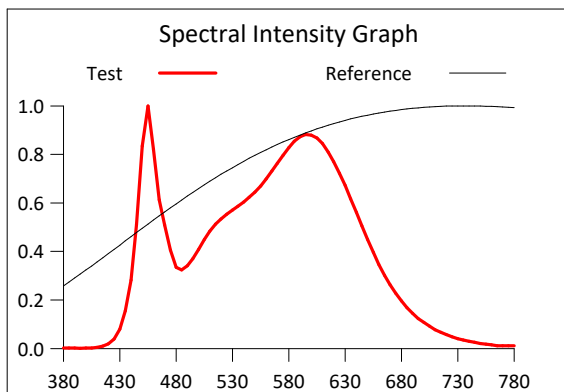
Manufacturer : -

Humidity : -%

Test Date : 2023-06-15

Rf: 82.4 CCT(K): 3937 u': 0.2283
Rg: 94.4 LER: 322.8 Duv: -0.0037 v': 0.3321

Hue Bin	Rf	Graphic Shifts (%)	
		Chroma	Hue
1	77.7	-11.3%	1.3%
2	82.4	-6.2%	6.0%
3	79.9	-3.4%	8.7%
4	88.1	-1.8%	3.5%
5	89.7	-3.3%	1.3%
6	93.3	-1.6%	-1.5%
7	88.0	-6.6%	-0.2%
8	86.0	-6.3%	3.8%
9	81.4	-5.1%	11.0%
10	74.6	-3.6%	13.6%
11	77.3	5.1%	12.4%
12	84.3	5.8%	3.0%
13	82.2	5.7%	-9.8%
14	86.4	6.7%	-8.8%
15	77.3	-3.2%	-13.4%
16	74.8	-6.9%	-10.9%



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Manufacturer : -

Temperature : -'C

Humidity : -%

Operator : -

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Remark :

