

# LED Test Report

## Product Mark

Product Type : F52-40s-x128822/C90 11.7W Manufacturer :

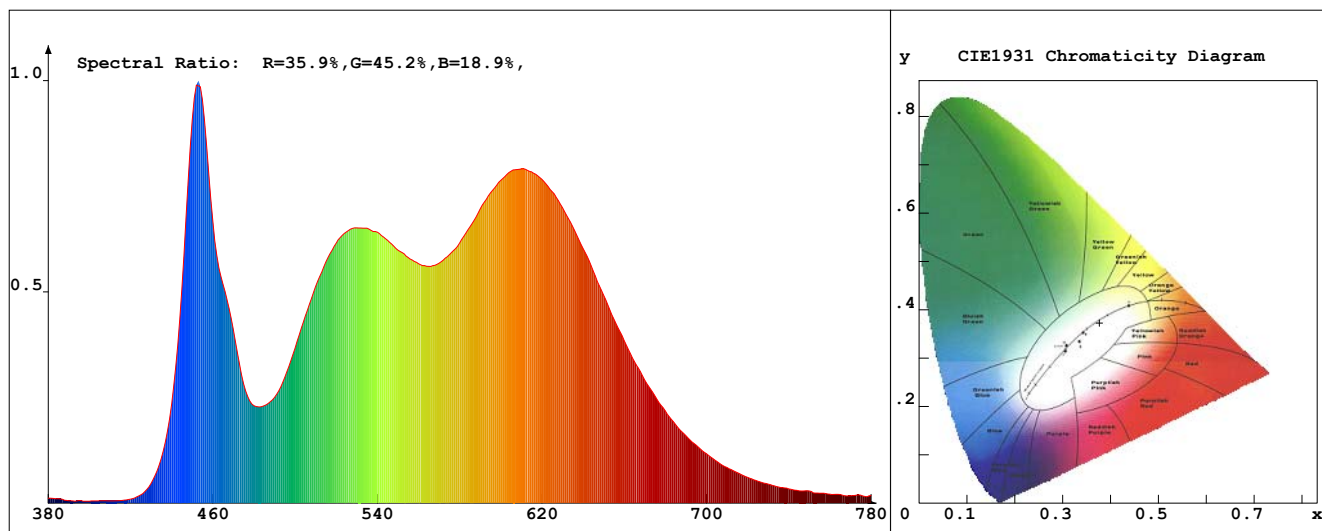
Temperature : 'C

Humidity : %

Operator :

Test Date : 2019-10-19

Remark: Bin: 3NS1 Lotto: 348



## Chroma Parameters

Chro.Coord.:  $x=0.3766$   $y=0.3727$   $u=0.2242$   $v=0.3328$   $duv=-0.0008$ 

CCT: 4078K Dominant Wave.: 579.2nm Purity: 24.9% Centre Wave: 454.4nm

Flux RGB Ratio:  $R=19.6\%$ ,  $G=77.8\%$ ,  $B=2.7\%$  Peak Wave: 451.6nm Half Width: 21.1nm

## Rendering Index: $R_a=94.1$ CRI= 90.7

|          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|
| $R_1=97$ | $R_2=97$ | $R_3=94$ | $R_4=97$ | $R_5=96$ | $R_6=94$ | $R_7=94$ | $R_8=85$ |
|----------|----------|----------|----------|----------|----------|----------|----------|

|          |             |             |             |             |             |             |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|
| $R_9=59$ | $R_{10}=90$ | $R_{11}=94$ | $R_{12}=69$ | $R_{13}=98$ | $R_{14}=96$ | $R_{15}=92$ |
|----------|-------------|-------------|-------------|-------------|-------------|-------------|

PPF: 24.965  $\mu\text{mol/s}$  (400-700nm)

PRF: 5.3mW (400-700nm)

PAR: 4.6mW (400-700nm)

## Photo Parameters

Flux: 1765.13lm Effi.: 150.6lm/W Radiant: 5453.3mW Iv: 0.0mcd

Scotopic Flux: 3195.6Plm Effi.: 0.0Plm/W S/P: 1.8

Efficiency: 0.00

Effi Level: A++ (EU 874-2012) Photon Flux: 25781.500  $\mu\text{mol/s}$  (380-780nm)

## Ele. Parameters

Forward Current:  $I_f=486.0\text{mA}$ Reverse Voltage:  $V_r=5.00\text{V}$ Forward Voltage:  $V_f=24.12\text{V}$ Reverse Current:  $I_r=0.00\mu\text{A}$ Power:  $P=11.731\text{W}$ 

## Instrument state

Instrument: -

Integral Time: 77.985ms

VPeak: 15528

VDark: 1192

Scan Range: 380-780nm

Product ID: 201508924

# IES TM-30-2015 Test Report

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Humidity : %

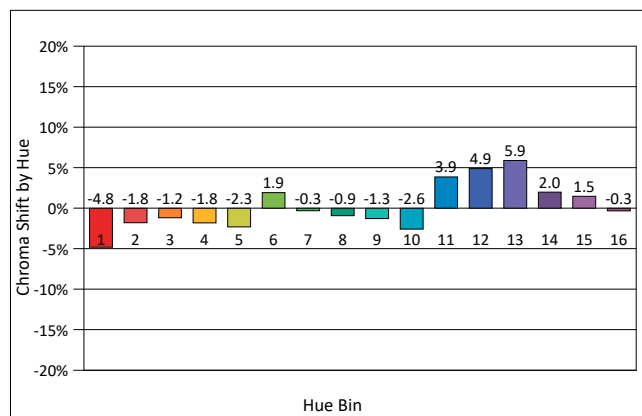
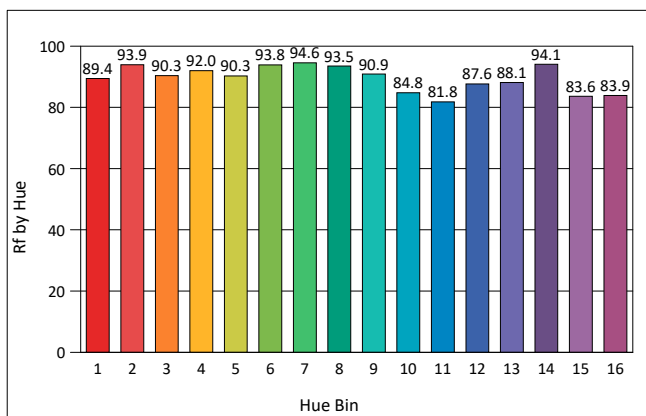
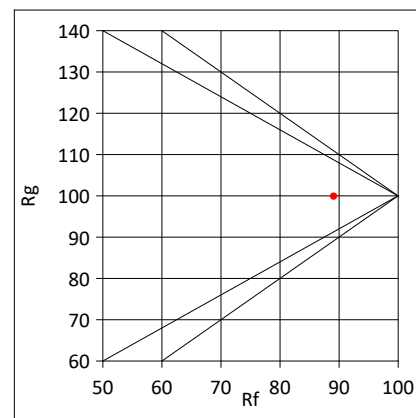
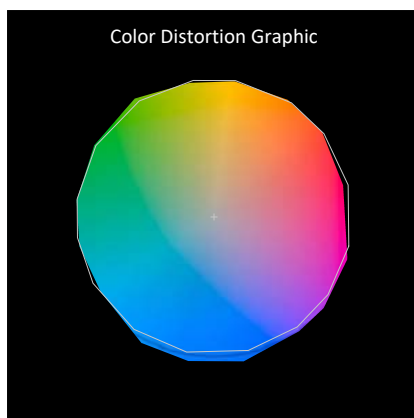
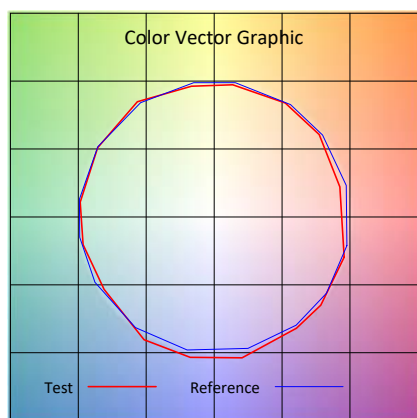
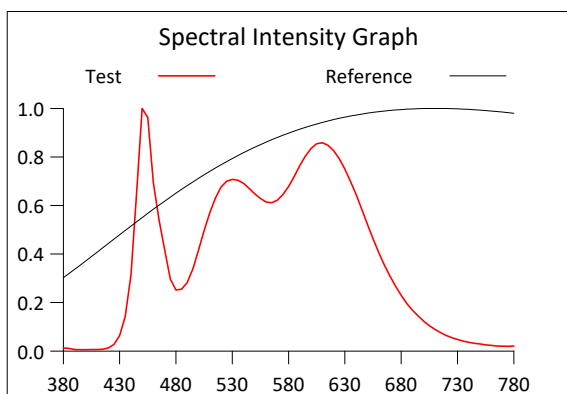
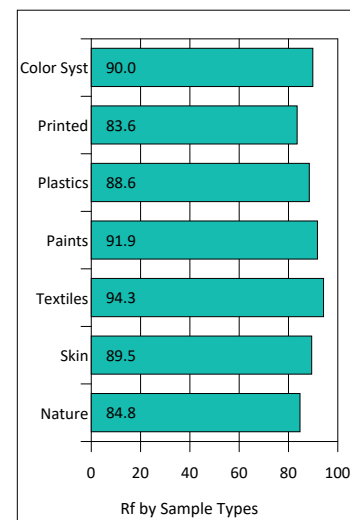
Operator :

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Rf: 89.1 CCT(K): 4078 u': 0.2242  
Rg: 99.9 LER: 313.6 Duv: -0.0008 v': 0.3328

| Hue Bin | Rf   | Graphic Shifts (%) |       |
|---------|------|--------------------|-------|
|         |      | Chroma             | Hue   |
| 1       | 89.4 | -4.8%              | -0.1% |
| 2       | 93.9 | -1.8%              | 1.6%  |
| 3       | 90.3 | -1.2%              | 3.9%  |
| 4       | 92.0 | -1.8%              | 1.5%  |
| 5       | 90.3 | -2.3%              | 2.1%  |
| 6       | 93.8 | 1.9%               | 1.5%  |
| 7       | 94.6 | -0.3%              | 0.7%  |
| 8       | 93.5 | -0.9%              | 1.9%  |
| 9       | 90.9 | -1.3%              | 5.8%  |
| 10      | 84.8 | -2.6%              | 8.0%  |
| 11      | 81.8 | 3.9%               | 10.2% |
| 12      | 87.6 | 4.9%               | 3.2%  |
| 13      | 88.1 | 5.9%               | -5.6% |
| 14      | 94.1 | 2.0%               | -1.0% |
| 15      | 83.6 | 1.5%               | -9.5% |
| 16      | 83.9 | -0.3%              | -8.7% |



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