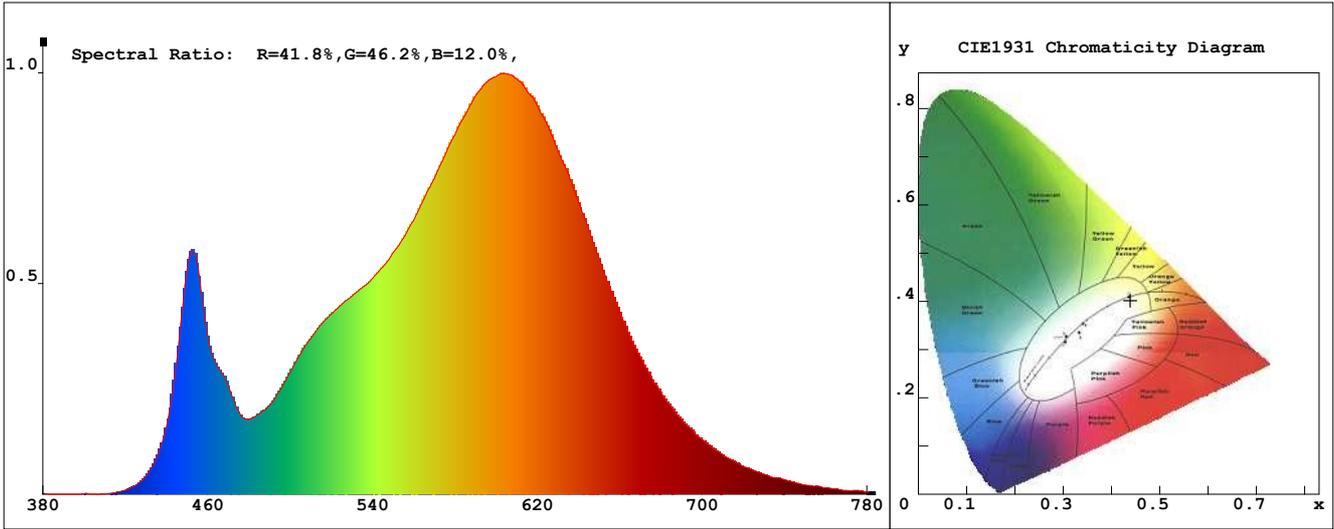


LED Test Report

Product Mark

Product Type : OR3s4s-F52-240D22 WW
 Temperature : 'C
 Operator : -
 Remark:

Manufacturer : -
 Humidity : -%
 Test Date : 2025-03-20



Chroma Parameters

Chro.Coord.:x=0.4391 y=0.4018 u=0.2530 v=0.3472 duv=-0.0012
 CCT: 2944K Dominant Wave.:583.5nm Purity:52.4% Centre Wave:595.5nm
 Flux RGB Ratio:R=22.2%,G=76.1%,B=1.7% Peak Wave:601.8nm Half Width:115.9nm

Rendering Index:Ra= 80.9 CRI= 78.3

| | | | | | | | |
|------------------------------|--------|--------|-----------------------|--------|--------|-----------------------|--------|
| R1 =79 | R2 =90 | R3 =96 | R4 =79 | R5 =81 | R6 =90 | R7 =80 | R8 =54 |
| R9 =-1 | R10=79 | R11=78 | R12=71 | R13=81 | R14=98 | R15=71 | |
| PPF:22.332umol/s (400-700nm) | | | PRF:4.6mW (400-700nm) | | | PAR:4.1mW (400-700nm) | |

Photo Parameters

Flux:1633.54lm Effi.:116.8lm/W Radiant:4746.9mW Iv:0.0mcd
 Scotopic Flux:2161.3Plm Effi.:0.0Plm/W S/P:1.3
 Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:23024.199umol/s (380-780nm)

Ele. Parameters

Forward Current:If=583.0mA Reverse Voltage:Vr=5.00V
 Forward Voltage:Vf=24.00V Reverse Current:Ir=0.00uA
 Power:P=14.020W

Instrument state

Instrument:Lisun LMS-8000 Integral Time: 90.782ms VPeak: 13784
 VDark: 1316 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

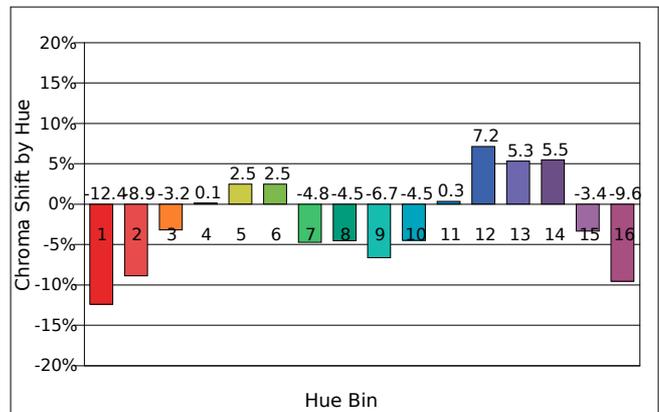
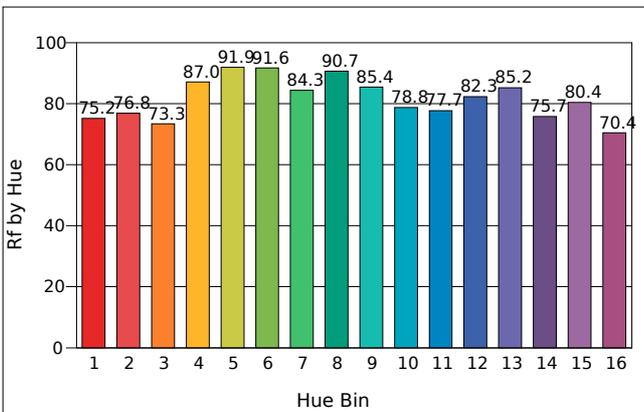
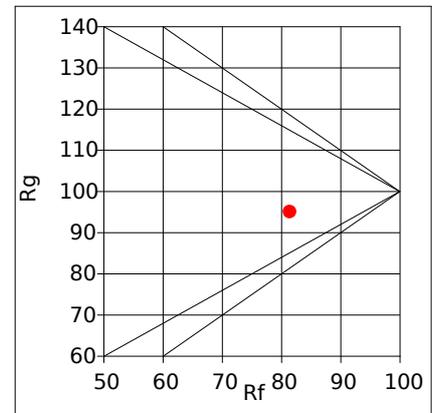
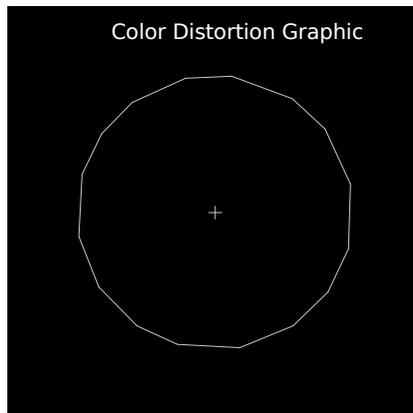
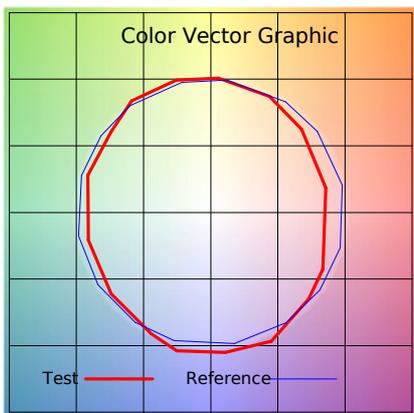
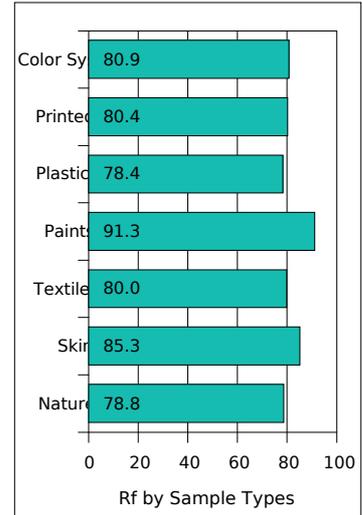
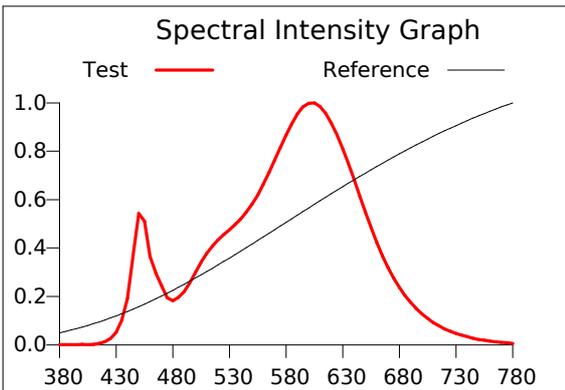
Product Mark

Product Type : OR3s4s-F52-240D22 WW
 Temperature : 'C
 Operator : -
 Remark :

Manufacturer : -
 Humidity : -%
 Test Date : 2025-03-20

Rf: 81.4 CCT(K): 2944 u': 0.2530
 Rg: 95.1 LER: 335.0 Duv: -0.0012 v': 0.3472

| Hue Bin | Graphic Shifts (%) | | |
|---------|--------------------|--------|--------|
| | Rf | Chroma | Hue |
| 1 | 75.2 | -12.4% | 0.1% |
| 2 | 76.8 | -8.9% | 7.8% |
| 3 | 73.3 | -3.2% | 12.2% |
| 4 | 87.0 | 0.1% | 6.3% |
| 5 | 91.9 | 2.5% | 3.9% |
| 6 | 91.6 | 2.5% | -3.1% |
| 7 | 84.3 | -4.8% | -6.9% |
| 8 | 90.7 | -4.5% | -1.2% |
| 9 | 85.4 | -6.7% | 4.4% |
| 10 | 78.8 | -4.5% | 11.2% |
| 11 | 77.7 | 0.3% | 14.5% |
| 12 | 82.3 | 7.2% | 3.4% |
| 13 | 85.2 | 5.3% | -7.9% |
| 14 | 75.7 | 5.5% | -16.9% |
| 15 | 80.4 | -3.4% | -10.3% |
| 16 | 70.4 | -9.6% | -18.4% |



IES TM-30-2015 Test Report

Product Mark

Product Type : OR3s4s-F52-240D22 WW

Manufacturer : -

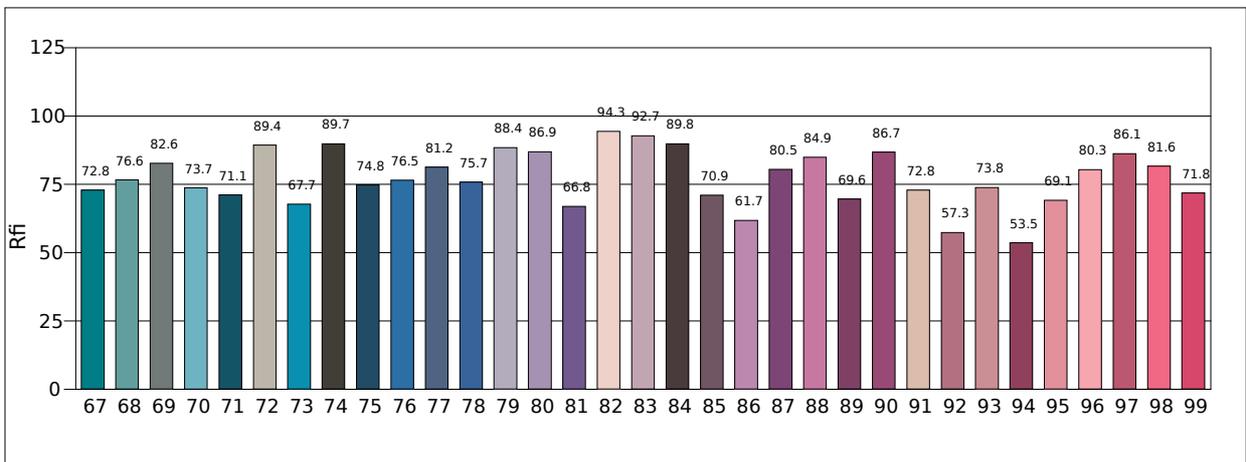
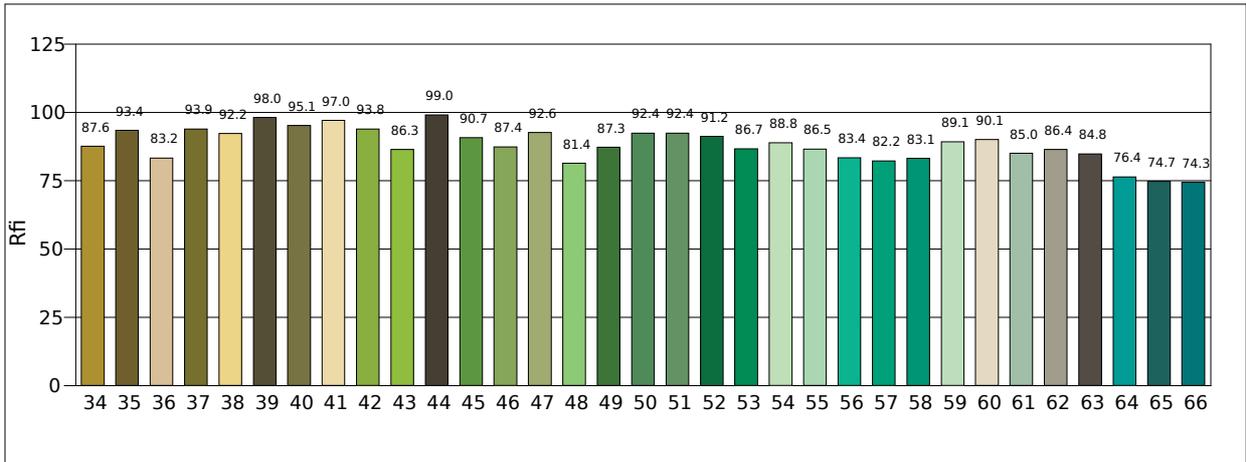
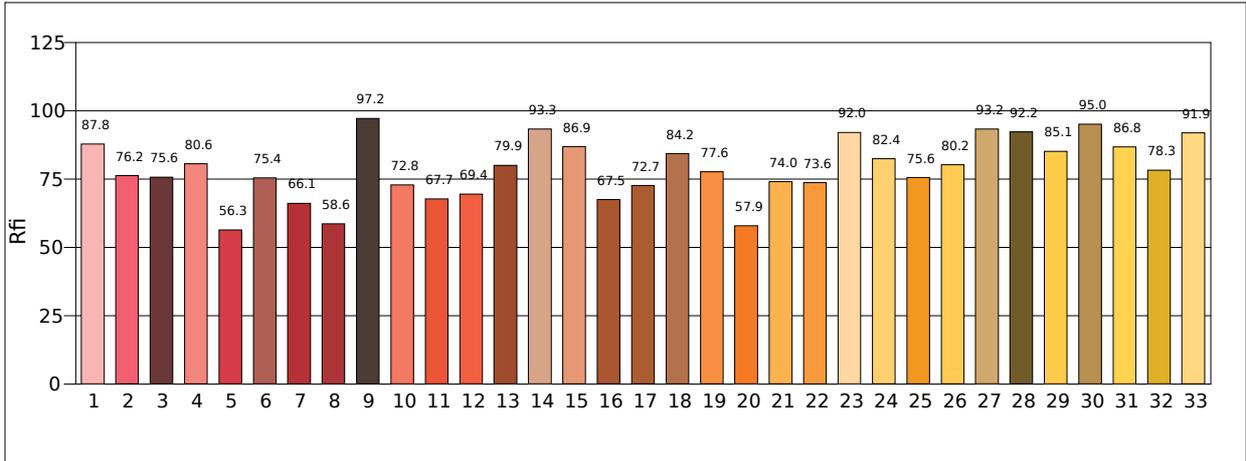
Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

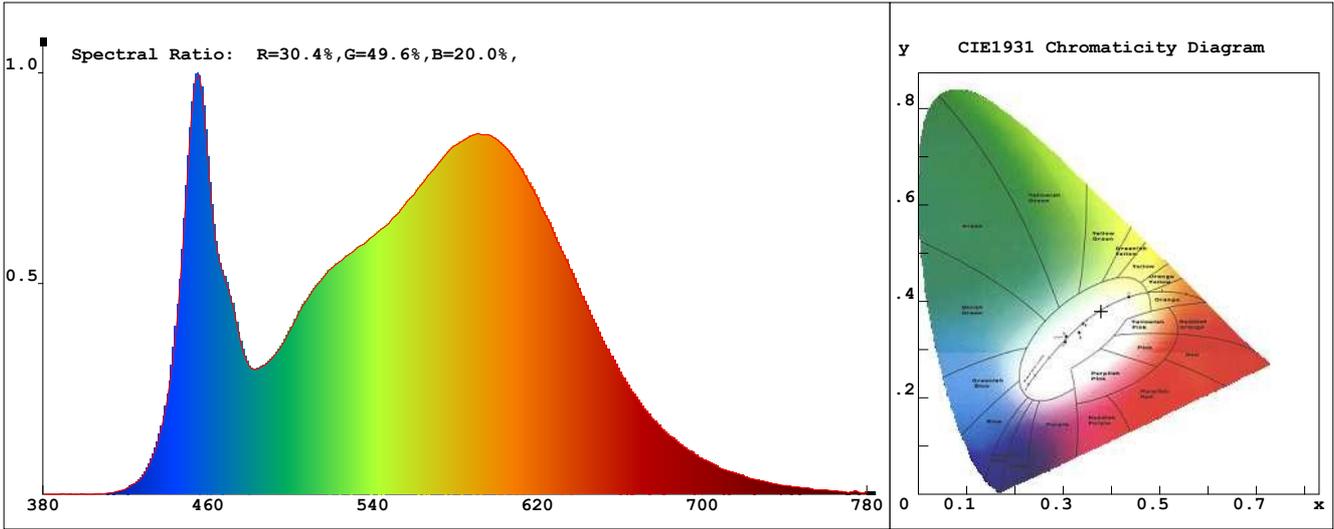


LED Test Report

Product Mark

Product Type : OR3s4s-F52-240D22 WC
 Temperature : 'C
 Operator : -
 Remark:

Manufacturer : -
 Humidity : -%
 Test Date : 2025-03-20



Chroma Parameters

Chro.Coord.:x=0.3781 y=0.3790 u=0.2227 v=0.3348 duv=0.0017
 CCT: 4080K Dominant Wave.:577.8nm Purity:27.2% Centre Wave:456.8nm
 Flux RGB Ratio:R=16.9%,G=80.2%,B=2.8% Peak Wave:454.0nm Half Width:22.7nm

Rendering Index:Ra= 81.1 CRI= 77.6

| | | | | | | | |
|------------------------------|--------|--------|-----------------------|--------|--------|-----------------------|--------|
| R1 =79 | R2 =91 | R3 =95 | R4 =77 | R5 =79 | R6 =86 | R7 =83 | R8 =59 |
| R9 =-4 | R10=77 | R11=76 | R12=59 | R13=83 | R14=98 | R15=72 | |
| PPF:23.228umol/s (400-700nm) | | | PRF:5.0mW (400-700nm) | | | PAR:4.3mW (400-700nm) | |

Photo Parameters

Flux:1771.87lm Effi.:125.11m/W Radiant:5060.6mW Iv:0.0mcd
 Scotopic Flux:3067.3Plm Effi.:0.0Plm/W S/P:1.7
 Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:23705.100umol/s (380-780nm)

Ele. Parameters

Forward Current:If=590.0mA Reverse Voltage:Vr=5.00V
 Forward Voltage:Vf=24.00V Reverse Current:Ir=0.00uA
 Power:P=14.171W

Instrument state

Instrument:Lisun LMS-8000 Integral Time: 77.762ms VPeak: 13336
 VDark: 1302 Scan Range: 380-780nm Product ID: 201508924

IES TM-30-2015 Test Report

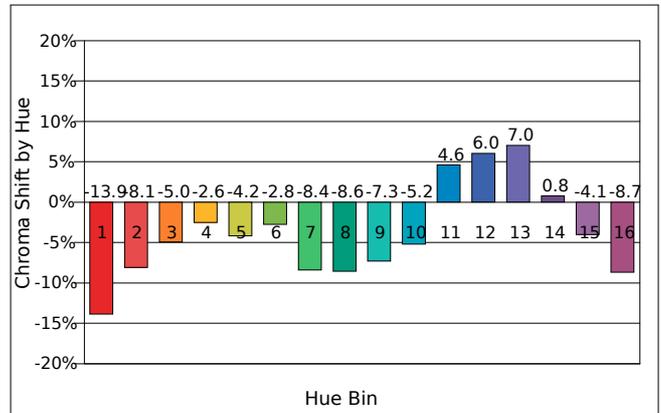
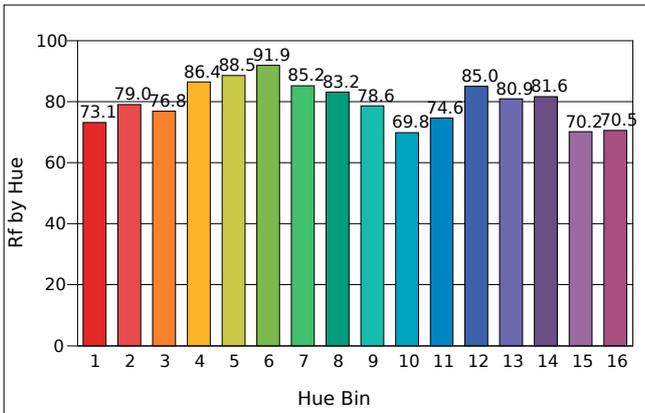
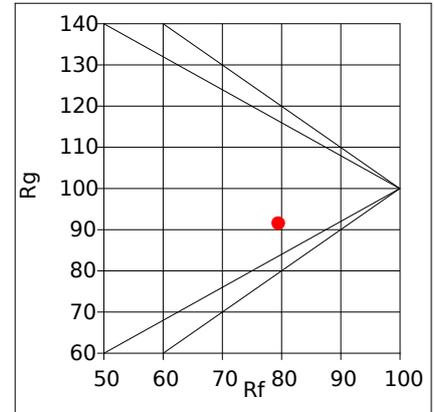
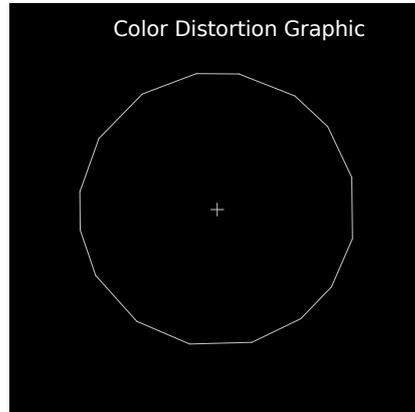
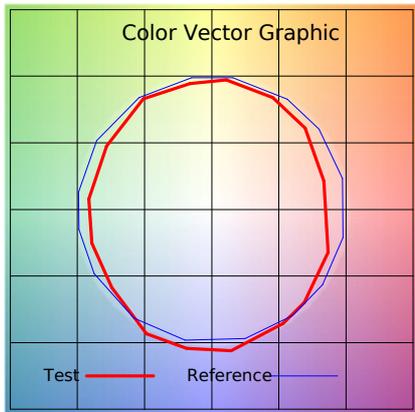
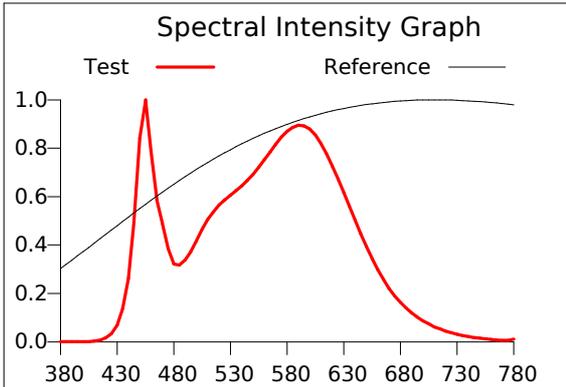
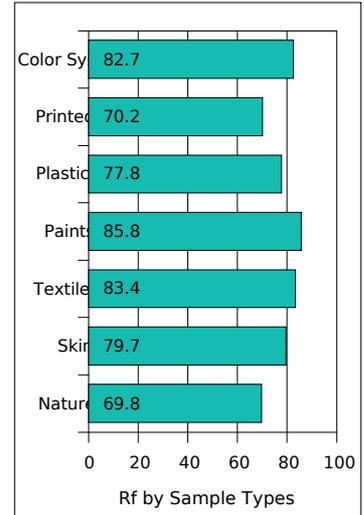
Product Mark

Product Type : OR3s4s-F52-240D22 WC
 Temperature : 'C
 Operator : -
 Remark :

Manufacturer : -
 Humidity : -%
 Test Date : 2025-03-20

Rf: 79.5 CCT(K): 4080 u': 0.2227
 Rg: 91.5 LER: 338.2 Duv: 0.0017 v': 0.3348

| Hue Bin | Rf | Chroma | Hue |
|---------|------|--------|--------|
| 1 | 73.1 | -13.9% | 0.9% |
| 2 | 79.0 | -8.1% | 6.4% |
| 3 | 76.8 | -5.0% | 9.7% |
| 4 | 86.4 | -2.6% | 4.2% |
| 5 | 88.5 | -4.2% | 1.6% |
| 6 | 91.9 | -2.8% | -2.1% |
| 7 | 85.2 | -8.4% | -0.7% |
| 8 | 83.2 | -8.6% | 3.5% |
| 9 | 78.6 | -7.3% | 12.0% |
| 10 | 69.8 | -5.2% | 16.0% |
| 11 | 74.6 | 4.6% | 14.4% |
| 12 | 85.0 | 6.0% | 2.6% |
| 13 | 80.9 | 7.0% | -11.9% |
| 14 | 81.6 | 0.8% | -9.4% |
| 15 | 70.2 | -4.1% | -18.8% |
| 16 | 70.5 | -8.7% | -12.9% |



IES TM-30-2015 Test Report

Product Mark

Product Type : OR3s4s-F52-240D22 WC

Manufacturer : -

Temperature : 'C

Humidity : -%

Operator : -

Test Date : 2025-03-20

Remark :

