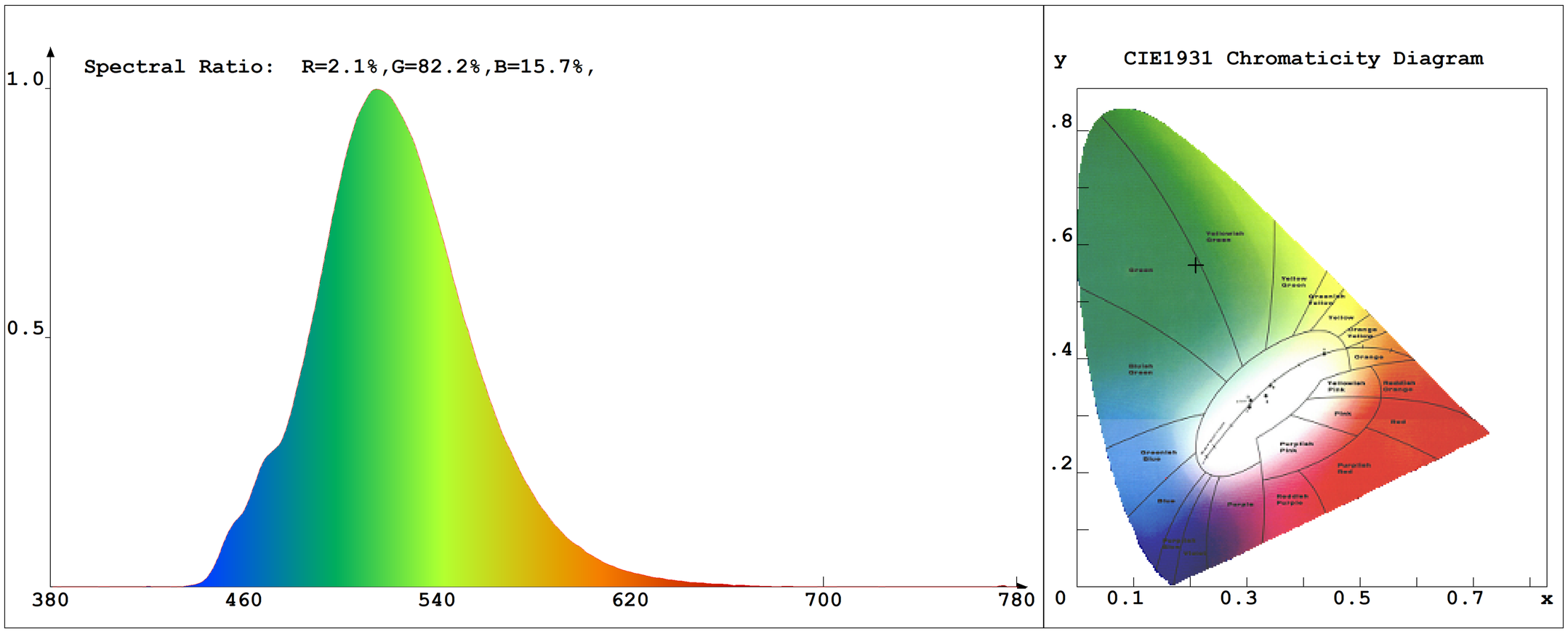
# LED Test Report

## Product Mark

Product Type : F52-GRE-320OS2-W5
Manufacturer : -
Temperature : 'C
Humidity : -%
Operator : -
Test Date : 2023-03-30
Remark:




## Chroma Parameters

Chro.Coor.:x=0.2095 y=0.5647 u=0.0895 v=0.3621 duv=0.1213
CCT: 8116K Dominant Wave.:519.0nm Purity:46.4% Centre Wave:519.3nm
Flux RGB Ratio:R=1.3%,G=95.5%,B=3.2% Peak Wave:514.6nm Half Width:66.3nm

## Rendering Index:Ra= 15.8 CRI= 83.4

R1 =-8 R2 =34 R3 =45 R4 =-20 R5 =8 R6 =27 R7 =45 R8 =-4
R9 =-303 R10=-17 R11=-35 R12=8 R13=-5 R14=67 R15=-15
PPF:4.838umol/s(400-700nm) PRF:1.1mW(400-700nm) PAR:0.9mW(400-700nm)

## Photo Parameters

Flux:504.03lm Effi.:93.5lm/W Radiant:1108.8mW Iv:0.0mcd
Scotopic Flux:1491.1Plm Effi.:0.0Plm/W S/P:3.0
Efficiency:0.00 Effi Level:A++ (EU 874-2012) Photon Flux:4843.340umol/s(380-780nm)

## Ele. Parameters

Forward Current:If=228.0mA Reverse Voltage:Vr=5.00V
Forward Voltage:Vf=23.65V Reverse Current:Ir=0.00uA
Power:P=5.410W

## Instrument state

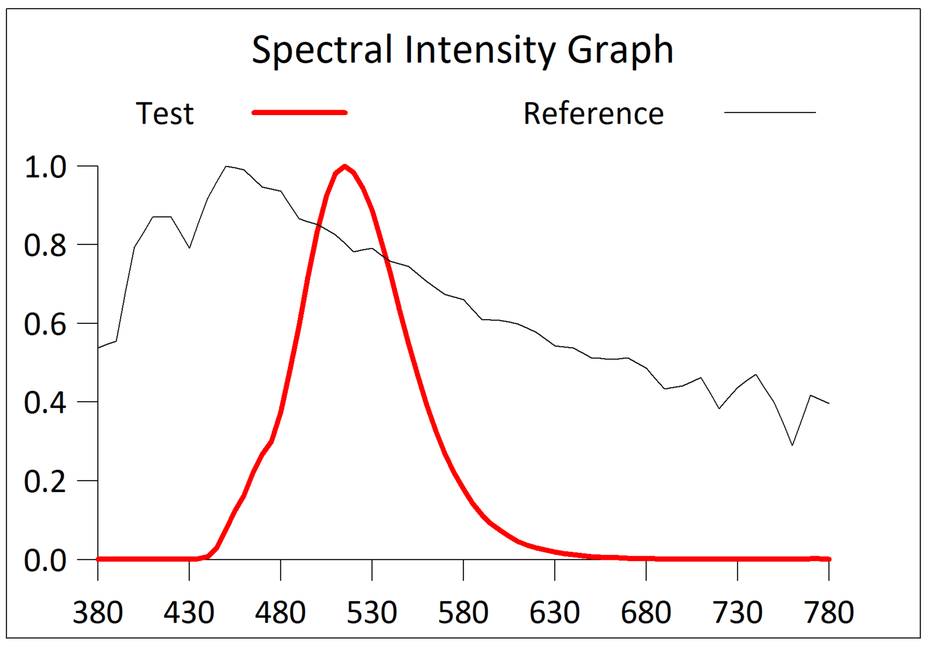
Instrument:Lisun LMS-8000 Integral Time: 175.970ms VPeak: 14904
VDark: 1142 Scan Range: 380-780nm Product ID: 201508924

# IES TM-30-2015 Test Report

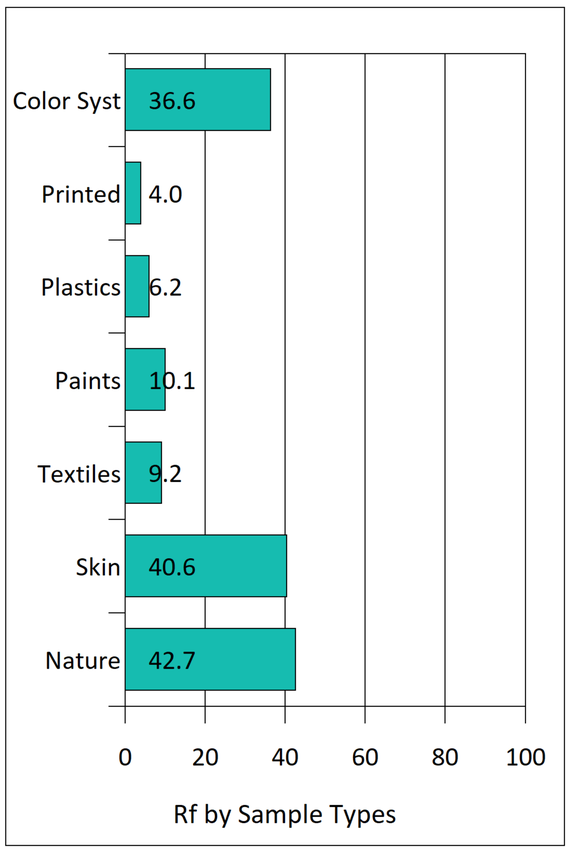
**Product Mark**

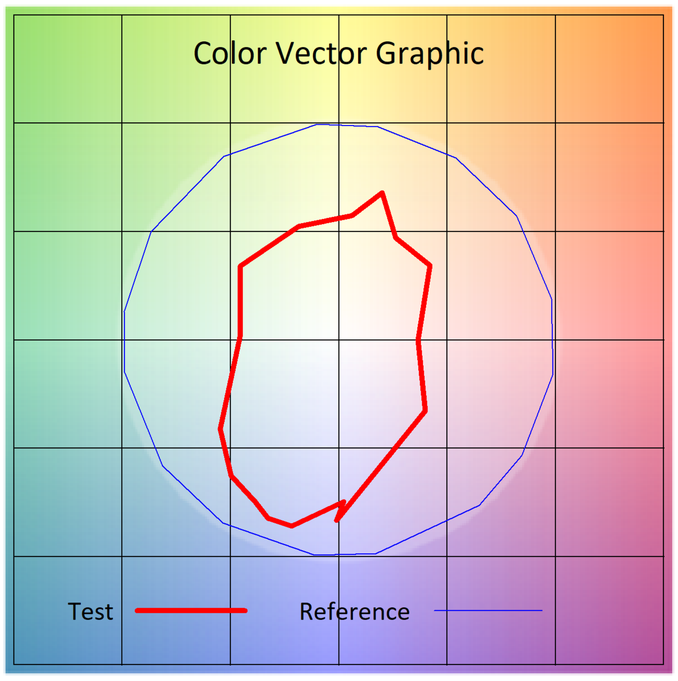
Product Type : F52-GRE-320OS2-W5
Manufacturer : -
Temperature : 'C
Humidity : -%
Operator : -
Test Date : 2023-03-30
Remark:

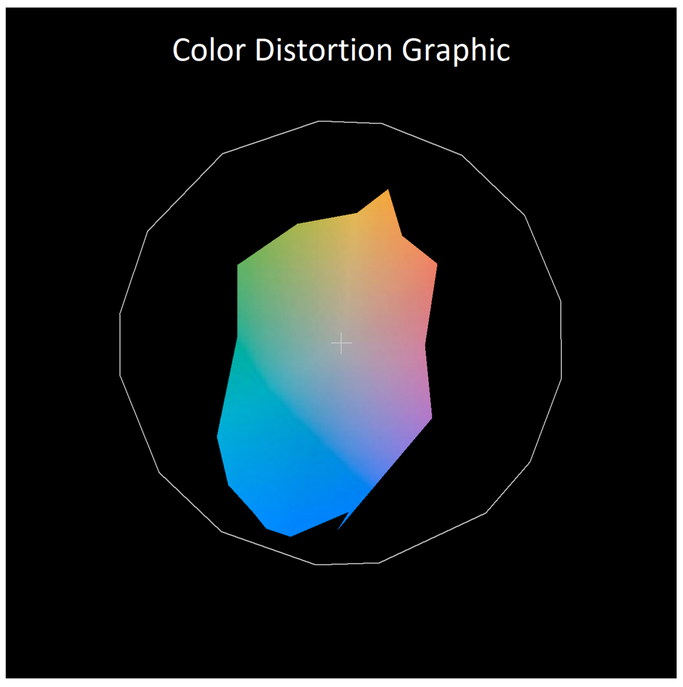
| | | | |
|---|---|---|---|
| Rf: 18.5 | | CCT(K): 8116 | u': 0.0895 |
| Rg: 33.5 | LER: 418.2 | Duv: 0.1213 | v': 0.3621 |

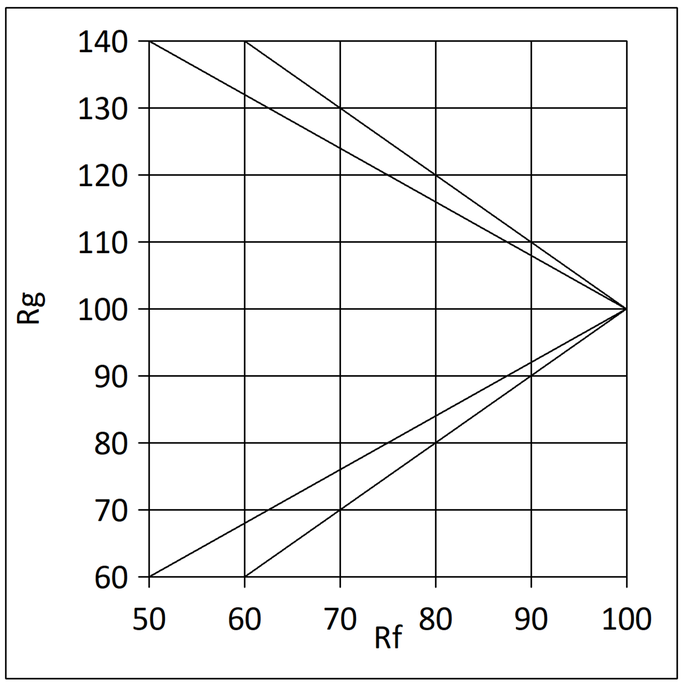


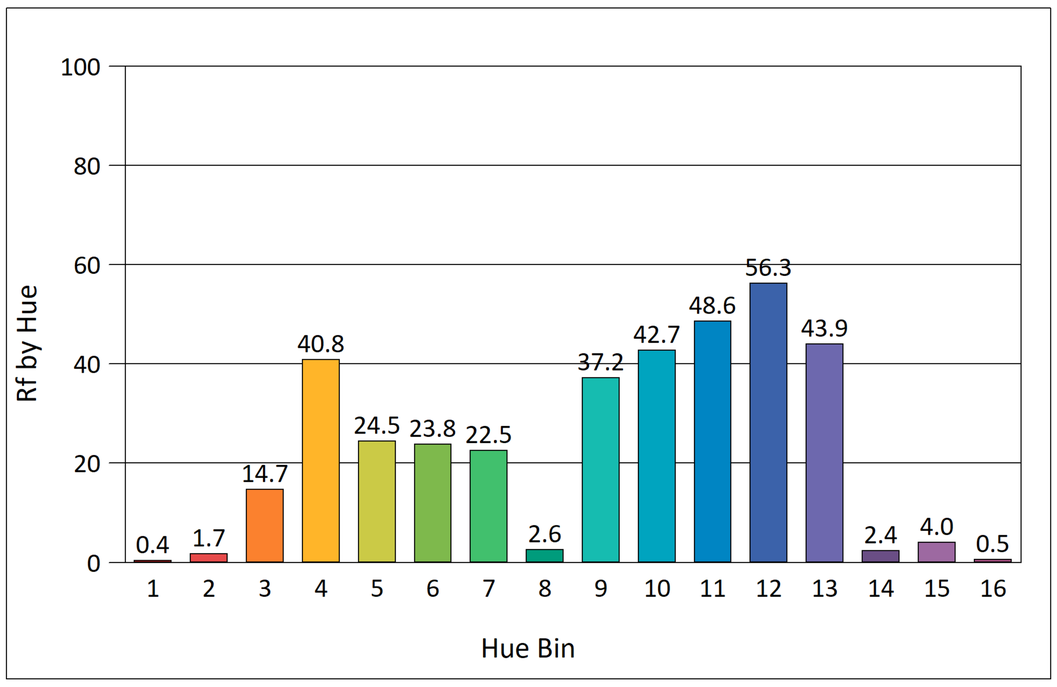

| | | Graphic Shifts (%) | |
|---|---|---|---|
| Hue Bin | Rf | Chroma | Hue |
| 1 | 0.4 | -64.2% | -6.6% |
| 2 | 1.7 | -45.9% | 3.3% |
| 3 | 14.7 | -46.3% | 2.6% |
| 4 | 40.8 | -29.4% | -7.8% |
| 5 | 24.5 | -44.4% | -7.5% |
| 6 | 23.8 | -46.2% | -10.7% |
| 7 | 22.5 | -43.2% | -9.6% |
| 8 | 2.6 | -54.7% | 1.1% |
| 9 | 37.2 | -38.3% | 34.3% |
| 10 | 42.7 | -23.9% | 21.5% |
| 11 | 48.6 | -16.4% | 7.3% |
| 12 | 56.3 | -12.7% | -24.3% |
| 13 | 43.9 | -20.0% | -35.7% |
| 14 | 2.4 | -36.0% | -51.0% |
| 15 | 4.0 | -54.5% | -72.6% |
| 16 | 0.5 | -54.4% | -28.2% |

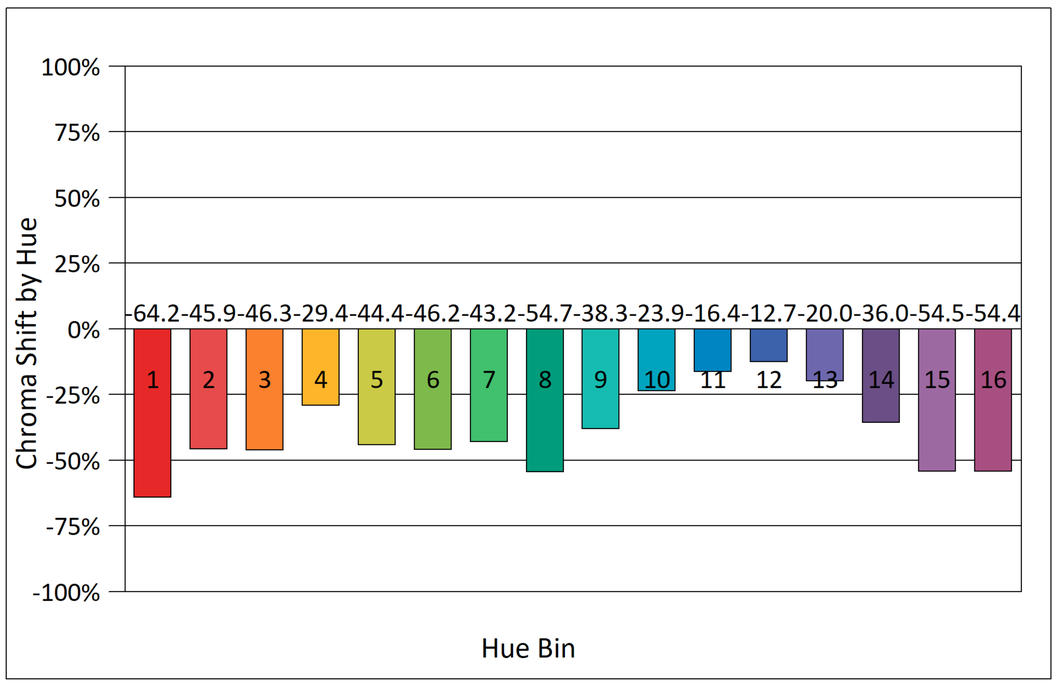


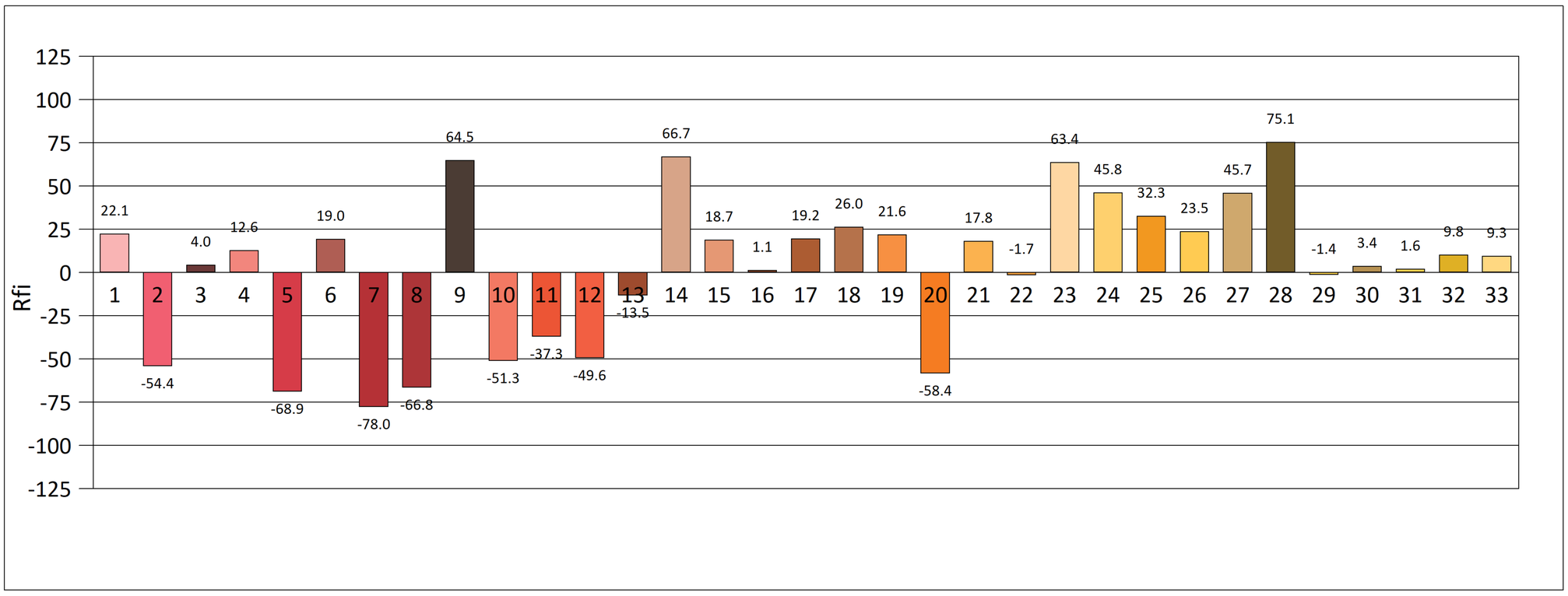
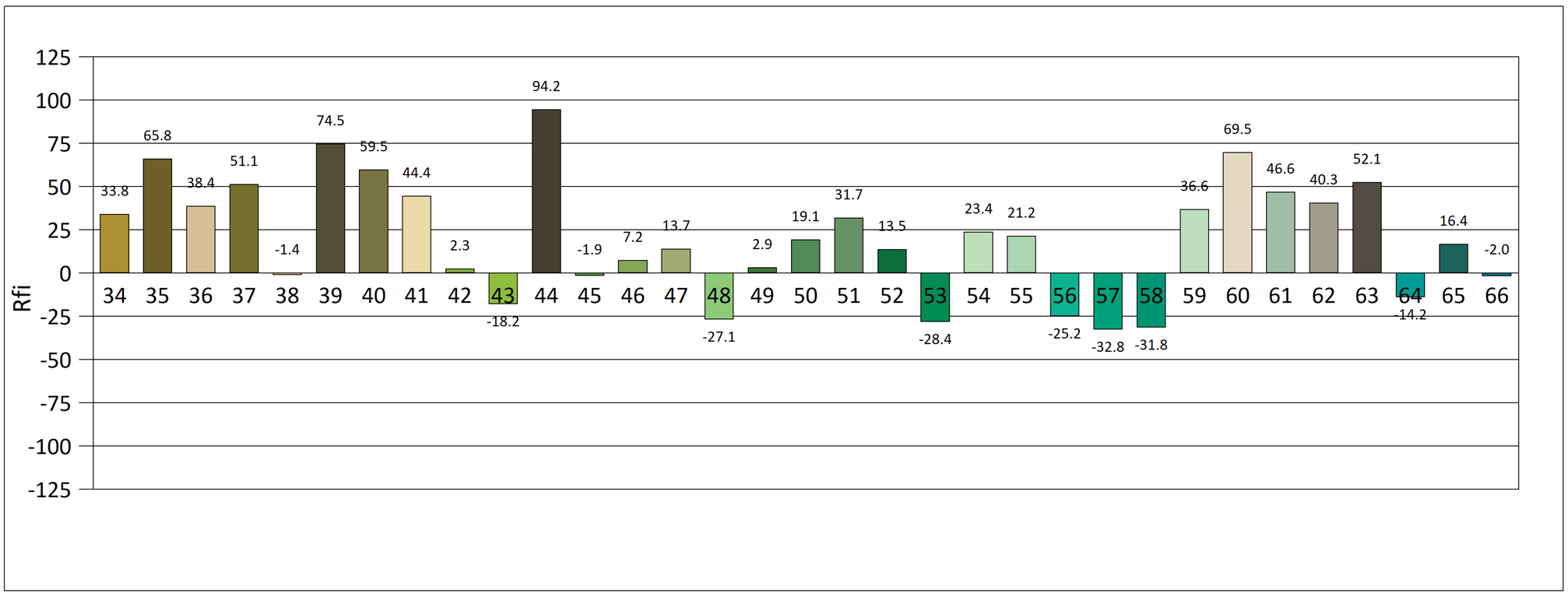
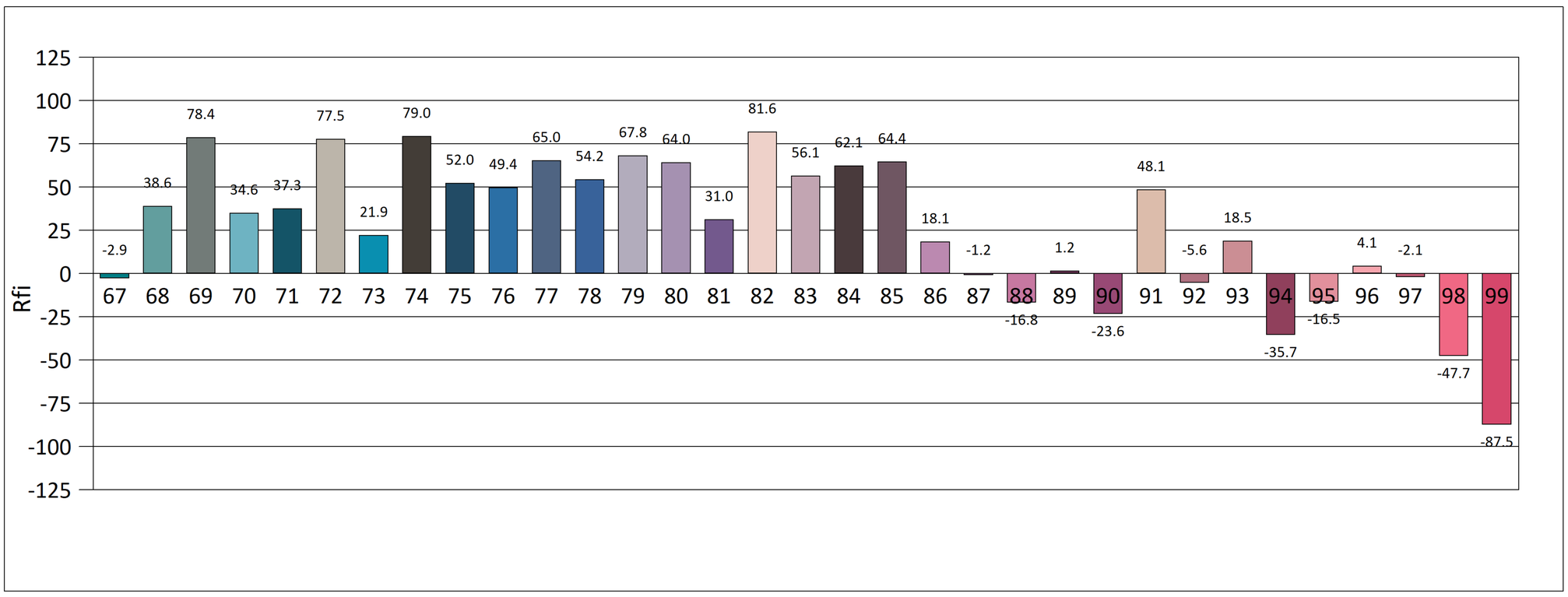



# IES TM-30-2015 Test Report

**Product Mark**

Product Type : F52-GRE-320OS2-W5
Manufacturer : -
Temperature : 'C
Humidity : -%
Operator : -
Test Date : 2023-03-30
Remark: