

Lightsource Test Report

Product Information

Product Spec: FG 55 40W 5000K opal
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3440$ $y=0.3571$ $u(u')=0.2086$ $v=0.3248$ $v'=0.4872$

CCT: $T_c=5058K$ ($duv=0.00316$)

Color Ratio: $R=0.154$ $G=0.799$ $B=0.047$

Peak Wavelength: 454.3nm

Half Bandwidth: 19.4nm

Dominant Wavelength: 568.9nm

Color Purity: 0.104

CRI: R_a : $R_a=84.0$

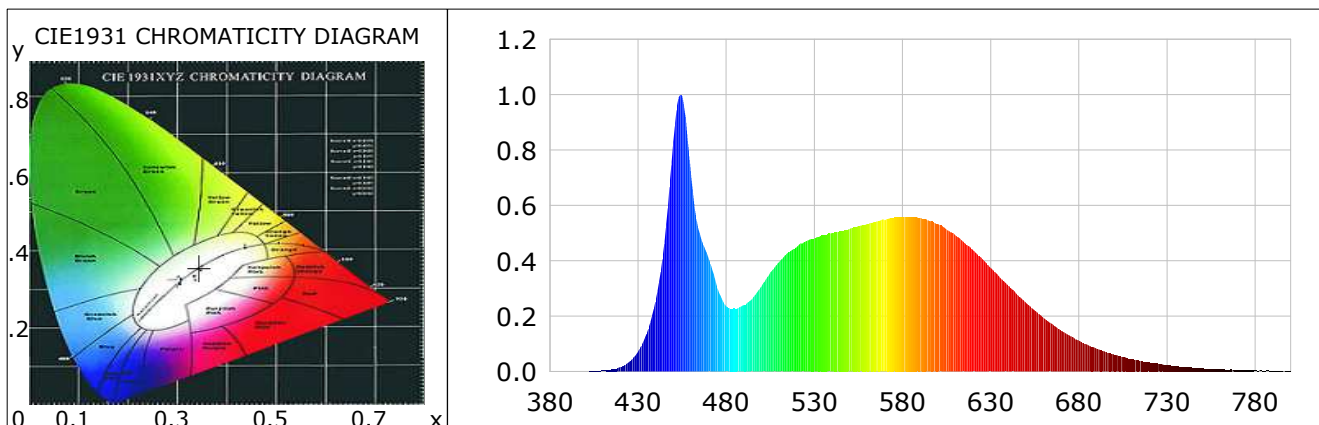
$R1=83$ $R2=86$ $R3=87$ $R4=87$ $R5=82$ $R6=79$ $R7=92$ $R8=75$

$R9=18$ $R10=65$ $R11=85$ $R12=47$ $R13=84$ $R14=92$ $R15=80$

Color Quality Scale: $Q_a=80.4$, $Q_f=80.7$, $Q_p=79.2$, $Q_g=90.2$

$Q1=82$ $Q2=98$ $Q3=78$ $Q4=69$ $Q5=74$ $Q6=77$ $Q7=85$ $Q8=91$

$Q9=96$ $Q10=88$ $Q11=82$ $Q12=81$ $Q13=81$ $Q14=73$ $Q15=77$



Photometric Parameters

Luminous Flux: 4825.16 lm

Efficiency: 123.91 lm/W

Radiant Power: 14.836 W

Electric Parameters

Voltage: 220.90V

Current: 0.1810A

Power: 38.94W

Power Factor: 0.9730

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 46079 (2766)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 88.20 ms

Condition: $T_x=20.6^{\circ}C$, $T_i=20.5^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-01-30 11:53:44

Inspector: