

Lightsource Test Report

Product Information

Product Spec: FG 55 34W 5000K opal
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3446$ $y=0.3577$ $u(u')=0.2088$ $v=0.3250$ $v'=0.4875$

CCT: $T_c=5040K$ ($duv=0.00322$)

Color Ratio: $R=0.155$ $G=0.799$ $B=0.047$

Peak Wavelength: 454.5nm

Half Bandwidth: 19.0nm

Dominant Wavelength: 569.2nm

Color Purity: 0.107

CRI: R_a : $R_a=84.1$

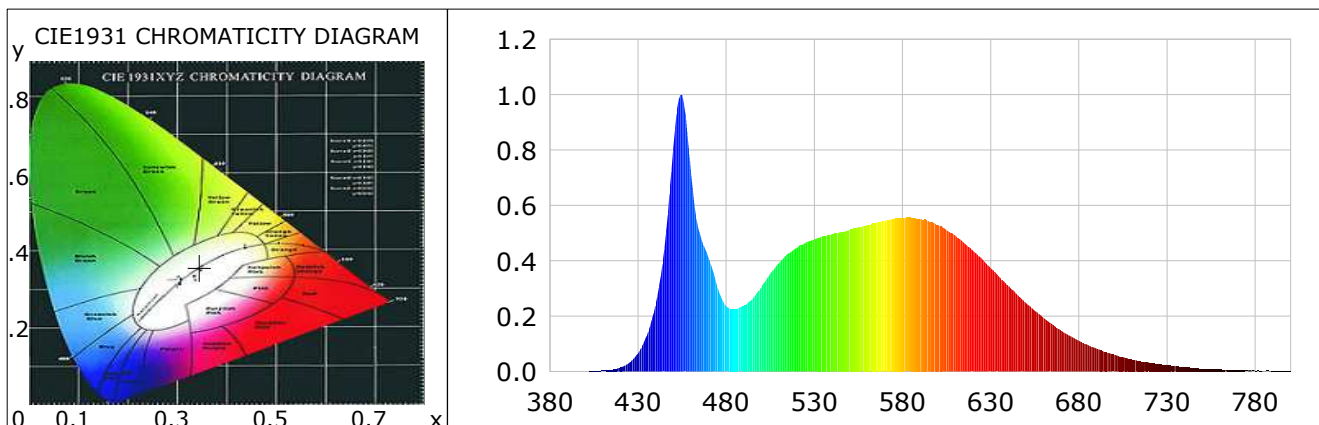
$R_1=83$ $R_2=87$ $R_3=87$ $R_4=87$ $R_5=82$ $R_6=79$ $R_7=92$ $R_8=75$

$R_9=18$ $R_{10}=66$ $R_{11}=85$ $R_{12}=47$ $R_{13}=84$ $R_{14}=93$ $R_{15}=80$

Color Quality Scale: $Q_a=80.5$, $Q_f=80.8$, $Q_p=79.2$, $Q_g=90.1$

$Q_1=82$ $Q_2=98$ $Q_3=78$ $Q_4=69$ $Q_5=74$ $Q_6=77$ $Q_7=84$ $Q_8=91$

$Q_9=96$ $Q_{10}=88$ $Q_{11}=83$ $Q_{12}=81$ $Q_{13}=81$ $Q_{14}=73$ $Q_{15}=77$



Photometric Parameters

Luminous Flux: 4284.58 lm

Efficiency: 125.65 lm/W

Radiant Power: 13.162 W

Electric Parameters

Voltage: 221.10V

Current: 0.1590A

Power: 34.10W

Power Factor: 0.9700

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45387 (2841)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 99.27 ms

Condition: $T_x=21.4^{\circ}C$, $T_i=20.5^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-01-28 16:14:10

Inspector: