

Lightsource Test Report

Product Information

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

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3441$ $y=0.3570$ $u(u')=0.2087$ $v=0.3248$ $v'=0.4871$

CCT: $T_c=5056K$ ($duv=0.00308$)

Color Ratio: $R=0.154$ $G=0.800$ $B=0.047$

Peak Wavelength: 454.5nm

Half Bandwidth: 20.0nm

Dominant Wavelength: 569.0nm

Color Purity: 0.104

CRI: R_a : $R_a=83.7$

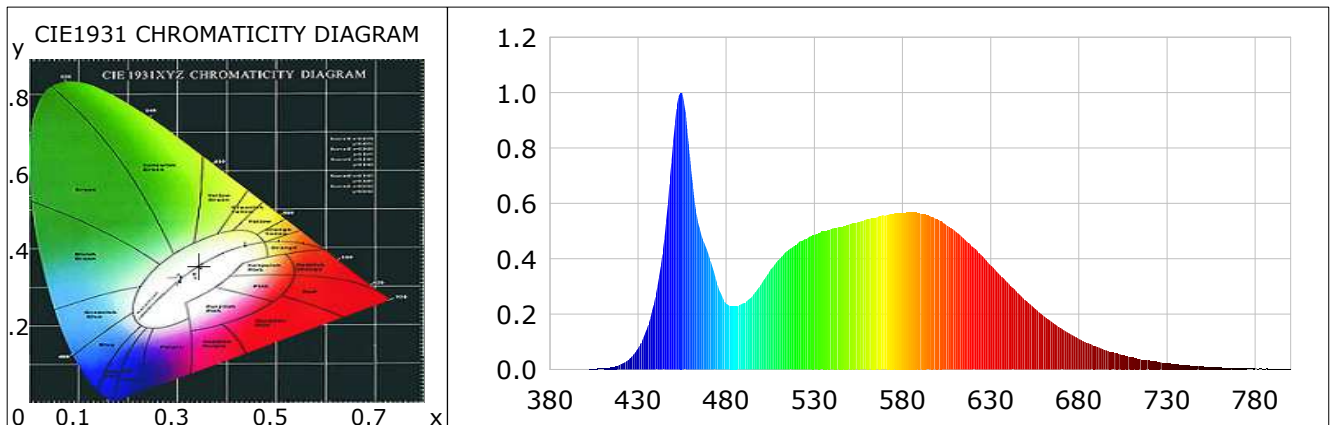
$R_1=83$ $R_2=86$ $R_3=87$ $R_4=87$ $R_5=82$ $R_6=79$ $R_7=92$ $R_8=74$

$R_9=16$ $R_{10}=65$ $R_{11}=85$ $R_{12}=47$ $R_{13}=83$ $R_{14}=92$ $R_{15}=80$

Color Quality Scale: $Q_a=80.1$, $Q_f=80.4$, $Q_p=78.9$, $Q_g=90.0$

$Q_1=82$ $Q_2=98$ $Q_3=77$ $Q_4=68$ $Q_5=74$ $Q_6=77$ $Q_7=84$ $Q_8=91$

$Q_9=96$ $Q_{10}=88$ $Q_{11}=82$ $Q_{12}=81$ $Q_{13}=81$ $Q_{14}=73$ $Q_{15}=77$



Photometric Parameters

Luminous Flux: 6665.96 lm

Efficiency: 123.79 lm/W

Radiant Power: 20.456 W

Electric Parameters

Voltage: 221.30V

Current: 0.2470A

Power: 53.85W

Power Factor: 0.9860

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45078 (3026)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 63.36 ms

Condition: $T_x=24.6^{\circ}C$, $T_i=23.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-02-15 13:27:19

Inspector: