

Lightsource Test Report

Product Infomation

Product Spec: FG 50 34W 5000K opal
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3882$ $y=0.3908$ $u(u')=0.2246$ $v=0.3392$ $v'=0.5088$

CCT: $T_c=3900K$ ($duv=0.00422$)

Color Ratio: $R=0.181$ $G=0.783$ $B=0.036$

Peak Wavelength: 455.1nm

Half Bandwidth: 23.1nm

Dominant Wavelength: 577.5nm

Color Purity: 0.338

CRI: R_a : $R_a=81.1$

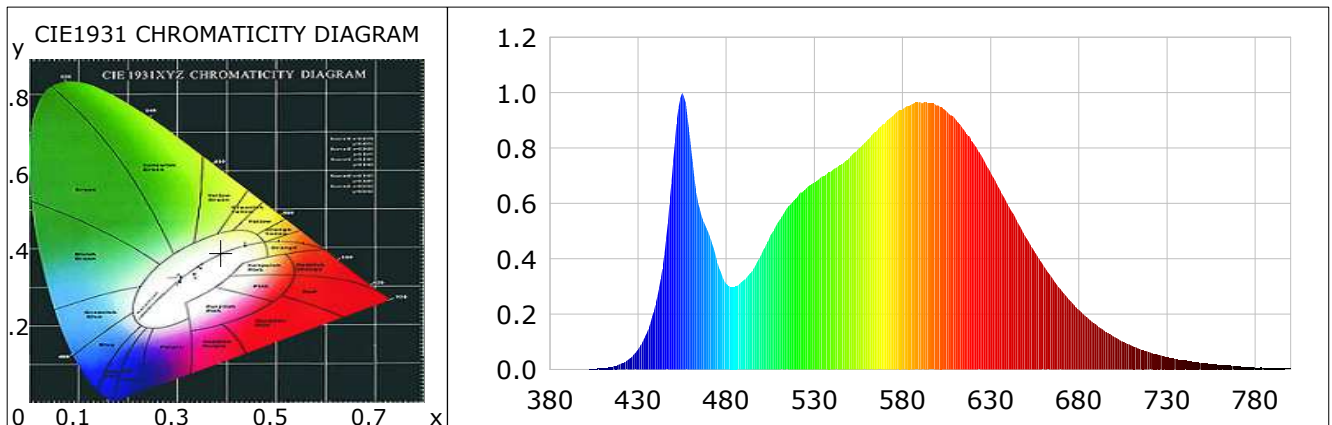
$R1=79$ $R2=89$ $R3=96$ $R4=78$ $R5=78$ $R6=85$ $R7=84$ $R8=60$

$R9=0$ $R10=74$ $R11=76$ $R12=56$ $R13=81$ $R14=98$ $R15=72$

Color Quality Scale: $Q_a=81.6$, $Q_f=82.2$, $Q_p=79.2$, $Q_g=88.9$

$Q1=79$ $Q2=96$ $Q3=82$ $Q4=75$ $Q5=78$ $Q6=79$ $Q7=82$ $Q8=88$

$Q9=97$ $Q10=91$ $Q11=87$ $Q12=85$ $Q13=83$ $Q14=70$ $Q15=74$



Photometric Parameters

Luminous Flux: 4141.83 lm

Efficiency: 136.29 lm/W

Radiant Power: 12.217 W

Electric Parameters

Voltage: 220.90V

Current: 0.1430A

Power: 30.39W

Power Factor: 0.9640

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 55497 (2706)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 200.00 ms

Condition: $T_x=18.5^{\circ}C$, $T_i=18.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-01-29 10:27:48

Inspector: