

Lightsource Test Report

Product Information

Product Spec: FG 55 75W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3440$ $y=0.3569$ $u(u')=0.2087$ $v=0.3247$ $v'=0.4871$

CCT: $T_c=5058K$ ($duv=0.00308$)

Color Ratio: $R=0.154$ $G=0.798$ $B=0.048$

Peak Wavelength: 455.0nm

Half Bandwidth: 20.2nm

Dominant Wavelength: 569.0nm

Color Purity: 0.103

CRI: R_a : $R_a=83.9$

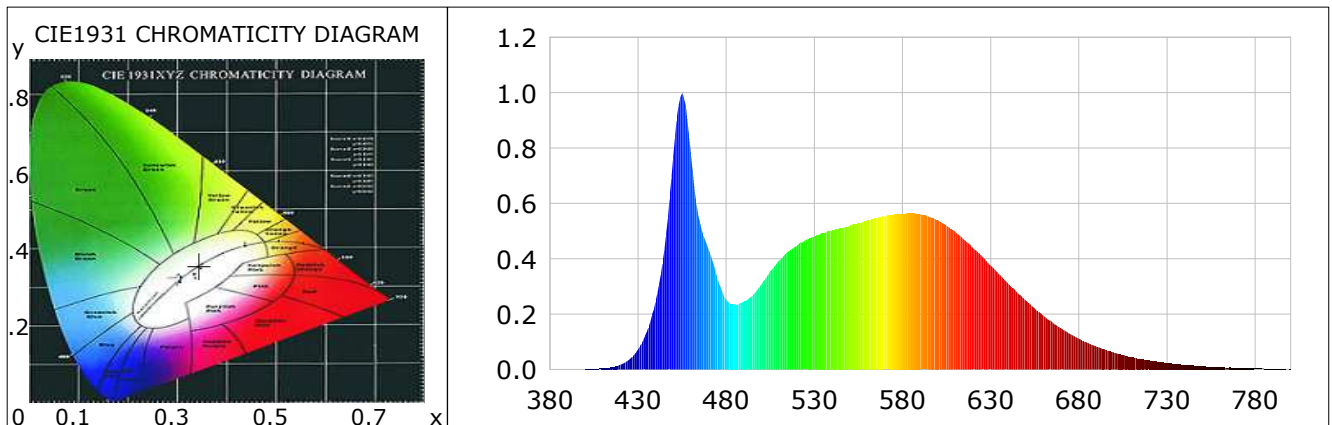
$R1=83$ $R2=87$ $R3=88$ $R4=86$ $R5=82$ $R6=80$ $R7=92$ $R8=74$

$R9=17$ $R10=66$ $R11=84$ $R12=48$ $R13=84$ $R14=93$ $R15=80$

Color Quality Scale: $Q_a=80.1$, $Q_f=80.5$, $Q_p=78.7$, $Q_g=89.7$

$Q1=81$ $Q2=97$ $Q3=78$ $Q4=68$ $Q5=73$ $Q6=76$ $Q7=84$ $Q8=91$

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



Photometric Parameters

Luminous Flux: 10741.21 lm Efficiency: 145.15 lm/W

Radiant Power: 33.051 W

Electric Parameters

Voltage: 220.90V

Current: 0.3410A

Power: 74.00W

Power Factor: 0.9820

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 50271 (2948)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 51.23 ms

Condition: $T_x=23.6^{\circ}C$, $T_i=22.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-02-12 17:01:57

Inspector: