

Lightsource Test Report

Product Information

Product Spec: FL 750 20W
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3454$ $y=0.3576$ $u(u')=0.2094$ $v=0.3251$ $v'=0.4876$

CCT: $T_c=5008K$ ($duv=0.00283$)

Color Ratio: $R=0.153$ $G=0.801$ $B=0.046$

Peak Wavelength: 451.4nm

Half Bandwidth: 20.7nm

Dominant Wavelength: 588.0nm

Color Purity: 0.110

CRI: R_a : $R_a=83.3$

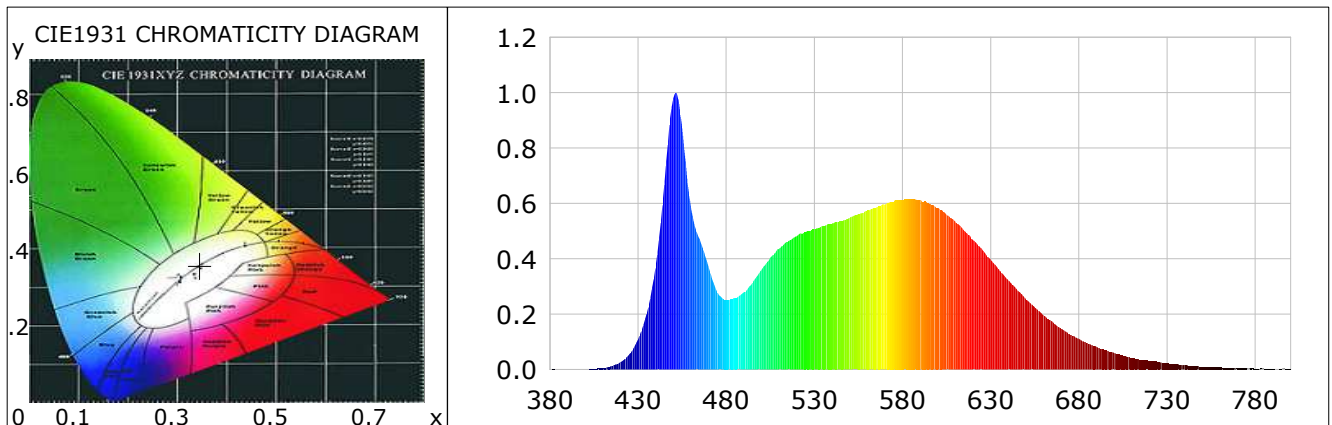
$R1=82$ $R2=85$ $R3=87$ $R4=88$ $R5=82$ $R6=79$ $R7=91$ $R8=73$

$R9=10$ $R10=64$ $R11=86$ $R12=51$ $R13=82$ $R14=93$ $R15=78$

Color Quality Scale: $Q_a=80.4$, $Q_f=80.7$, $Q_p=79.3$, $Q_g=90.2$

$Q1=82$ $Q2=98$ $Q3=78$ $Q4=71$ $Q5=76$ $Q6=79$ $Q7=85$ $Q8=91$

$Q9=97$ $Q10=87$ $Q11=82$ $Q12=80$ $Q13=79$ $Q14=71$ $Q15=75$



Photometric Parameters

Luminous Flux: 2509.56 lm

Efficiency: 129.29 lm/W

Radiant Power: 7.662 W

Electric Parameters

Voltage: 221.30V

Current: 0.0910A

Power: 19.41W

Power Factor: 0.9620

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 55258 (2974)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 254.26 ms

Condition: $T_x=22.3^{\circ}C$, $T_i=21.5^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-04-07 16:03:10

Inspector: