

Lightsource Test Report

Product Infomation

Product Spec: FL 750 20W
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3505$ $y=0.3634$ $u(u')=0.2105$ $v=0.3274$ $v'=0.4911$

CCT: $T_c=4947K$ ($duv=0.00370$)

Color Ratio: $R=0.157$ $G=0.798$ $B=0.045$

Peak Wavelength: 451.5nm

Half Bandwidth: 20.8nm

Dominant Wavelength: 571.4nm

Color Purity: 0.142

CRI: R_a : $R_a=82.2$

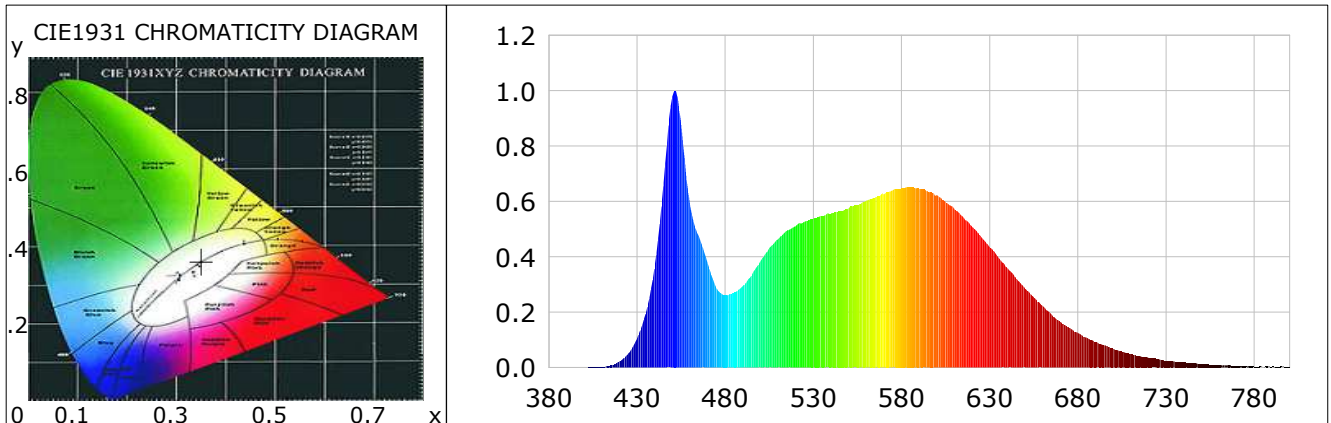
$R1=80$ $R2=88$ $R3=95$ $R4=80$ $R5=80$ $R6=84$ $R7=86$ $R8=64$

$R9=1$ $R10=73$ $R11=79$ $R12=56$ $R13=82$ $R14=97$ $R15=73$

Color Quality Scale: $Q_a=81.9$, $Q_f=82.3$, $Q_p=80.7$, $Q_g=90.2$

$Q1=81$ $Q2=98$ $Q3=80$ $Q4=75$ $Q5=79$ $Q6=81$ $Q7=84$ $Q8=89$

$Q9=97$ $Q10=90$ $Q11=86$ $Q12=84$ $Q13=83$ $Q14=70$ $Q15=75$



Photometric Parameters

Luminous Flux: 2167.47 lm

Efficiency: 111.73 lm/W

Radiant Power: 6.593 W

Electric Parameters

Voltage: 221.30V

Current: 0.0910A

Power: 19.40W

Power Factor: 0.9610

Frequency: 49.99Hz

Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45230 (2972)

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 15:59:14

Inspector: