

Lightsource Test Report

Product Infomation

Product Spec: FD 111 160W 5000K
Manufacturer: FAROS

Product Number: 2

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3468$ $y=0.3568$ $u(u')=0.2105$ $v=0.3250$ $v'=0.4874$
CCT: $T_c=4957K$ ($duv=0.00194$) Color Ratio: $R=0.158$ $G=0.795$ $B=0.047$
Peak Wavelength: 452.8nm Half Bandwidth: 24.7nm
Dominant Wavelength: 571.4nm Color Purity: 0.111

CRI: $R_a=83.2$

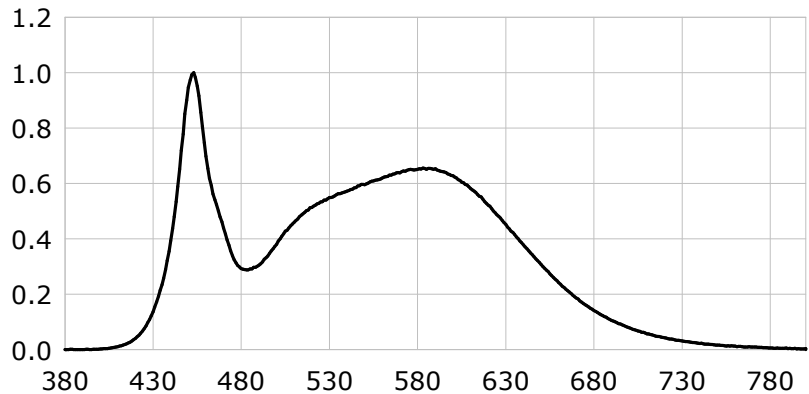
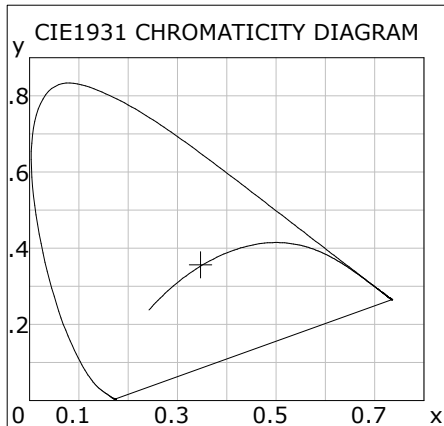
$R_1=81$ $R_2=90$ $R_3=94$ $R_4=81$ $R_5=81$ $R_6=85$ $R_7=87$ $R_8=67$

$R_9=9$ $R_{10}=74$ $R_{11}=79$ $R_{12}=58$ $R_{13}=84$ $R_{14}=97$ $R_{15}=76$

Color Quality Scale: $Q_a=82.2$, $Q_f=82.5$, $Q_p=81.4$, $Q_g=91.0$

$Q_1=82$ $Q_2=98$ $Q_3=80$ $Q_4=74$ $Q_5=79$ $Q_6=81$ $Q_7=85$ $Q_8=89$

$Q_9=97$ $Q_{10}=89$ $Q_{11}=85$ $Q_{12}=84$ $Q_{13}=84$ $Q_{14}=73$ $Q_{15}=77$



Photometric Parameters

Luminous Flux: 19347.74 lm Efficiency: 120.92 lm/W

Radiant Power: 60.285 W

Electric Parameters

Voltage: 219.60V
Power Factor: 0.9770

Current: 0.7460A
Frequency: 49.99Hz

Power: 160.00W

Test Infomation

Scan Range: 380~800:1nm
Stabilization Time: 0 Min
Max of Signal: 45712 (2833)

Photometric Method: sphere-spectroradiometer
Photometric Condition: Sphere diameter: 2.00m, 4PI
CCD Integration Time: 27.75 ms

Condition: $T_x=22.3^{\circ}C$, $T_i=23.5^{\circ}C$, R.H.:60%
Test Lab:
Operator:

Test Device: Lisun LMS-9000A(Plus)
Test Time: 2018-03-15 09:57:55
Inspector: