

Lightsource Test Report

Product Information

Product Spec: FT 91 30W 5000K
Manufacturer: FAROS

Product Number: 1

CIE Colorimetric Parameters

Chromaticity coordinates: $x=0.3471$ $y=0.3569$ $u(u')=0.2107$ $v=0.3250$ $v'=0.4875$

CCT: $T_c=4944K$ ($duv=0.00184$)

Color Ratio: $R=0.157$ $G=0.803$ $B=0.040$

Peak Wavelength: 447.6nm

Half Bandwidth: 20.8nm

Dominant Wavelength: 571.7nm

Color Purity: 0.113

CRI: R_a : $R_a=81.8$

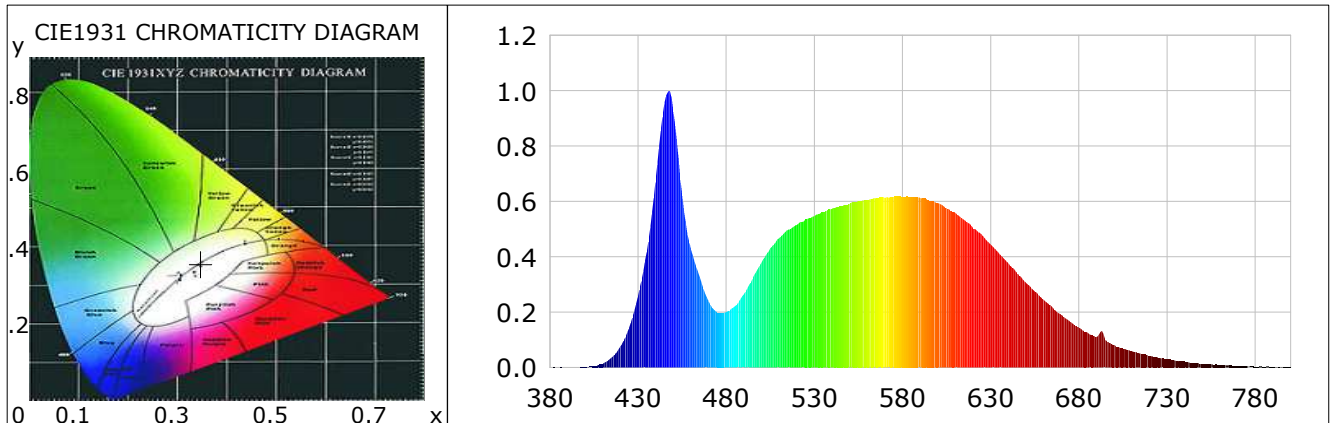
$R1=80$ $R2=85$ $R3=89$ $R4=83$ $R5=81$ $R6=80$ $R7=87$ $R8=70$

$R9=11$ $R10=65$ $R11=82$ $R12=60$ $R13=81$ $R14=94$ $R15=75$

Color Quality Scale: $Q_a=82.3$, $Q_f=82.1$, $Q_p=83.3$, $Q_g=93.7$

$Q1=85$ $Q2=97$ $Q3=77$ $Q4=75$ $Q5=82$ $Q6=83$ $Q7=85$ $Q8=90$

$Q9=96$ $Q10=85$ $Q11=83$ $Q12=83$ $Q13=83$ $Q14=73$ $Q15=77$



Photometric Parameters

Luminous Flux: 2275.88 lm

Efficiency: 80.48 lm/W

Radiant Power: 7.109 W

Electric Parameters

Voltage: 221.30V

Current: 0.1330A

Power: 28.28W

Power Factor: 0.9640

Frequency: 49.99Hz

Test Information

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45246 (2968)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 279.11 ms

Condition: $T_x=22.0^{\circ}C$, $T_i=21.0^{\circ}C$, R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-03-30 17:41:29

Inspector: