

# Lightsource Test Report

## Product Infomation

Product Spec: FG 250 30W 5000K  
Manufacturer: FAROS

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3819$   $y=0.3834$   $u(u')=0.2234$   $v=0.3365$   $v'=0.5047$

CCT:  $T_c=4999K$  ( $duv=0.00266$ )

Color Ratio:  $R=0.182$   $G=0.780$   $B=0.038$

Peak Wavelength: 454.7nm

Half Bandwidth: 20.7nm

Dominant Wavelength: 577.7nm

Color Purity: 0.297

CRI:  $R_a$ :  $R_a=83.5$

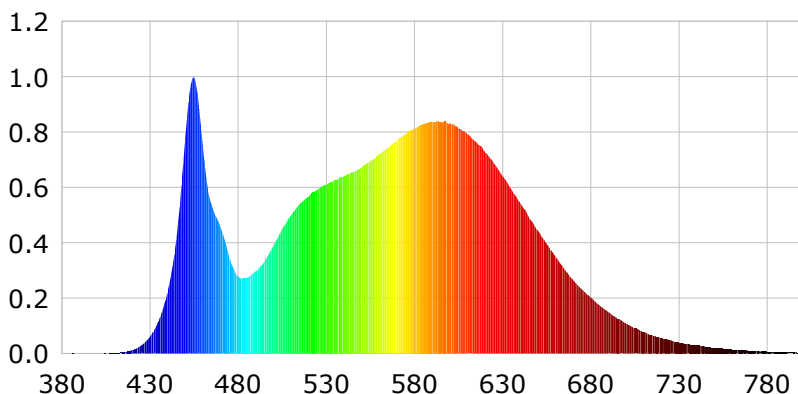
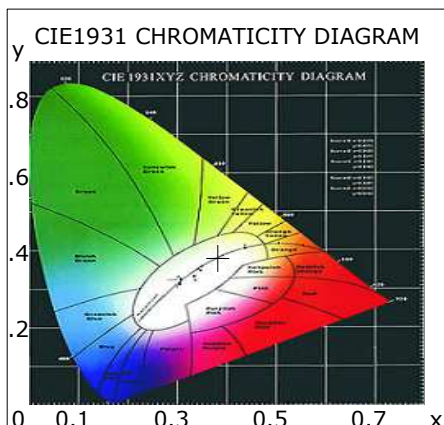
$R1=82$   $R2=91$   $R3=96$   $R4=81$   $R5=81$   $R6=87$   $R7=86$   $R8=65$

$R9=11$   $R10=77$   $R11=80$   $R12=58$   $R13=84$   $R14=98$   $R15=75$

Color Quality Scale:  $Q_a=83.3$ ,  $Q_f=83.7$ ,  $Q_p=81.7$ ,  $Q_g=90.8$

$Q1=81$   $Q2=97$   $Q3=82$   $Q4=76$   $Q5=80$   $Q6=82$   $Q7=85$   $Q8=89$

$Q9=98$   $Q10=92$   $Q11=88$   $Q12=86$   $Q13=85$   $Q14=74$   $Q15=77$



## Photometric Parameters

Luminous Flux: 3444.60 lm

Efficiency: 112.53 lm/W

Radiant Power: 10.374 W

## Electric Parameters

Voltage: 221.20V

Current: 0.1440A

Power: 30.61W

Power Factor: 0.9640

Frequency: 49.99Hz

## Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 46153 (2797)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 185.91 ms

Condition:  $T_x=20.4^{\circ}C$ ,  $T_i=20.5^{\circ}C$ , R.H.:60%

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-04-07 14:09:04

Inspector: