

# Lightsource Test Report

## Product Infomation

Product Spec: FP 150 125W 5000K  
Manufacturer: FAROS

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3350$   $y=0.3455$   $u(u')=0.2069$   $v=0.3201$   $v'=0.4802$

CCT:  $T_c=5094K$  ( $duv=0.00117$ )

Color Ratio:  $R=0.138$   $G=0.821$   $B=0.041$

Peak Wavelength: 450.0nm

Half Bandwidth: 19.4nm

Dominant Wavelength: 577.0nm

Color Purity: 0.042

CRI:  $R_a$ :  $R_a=76.8$

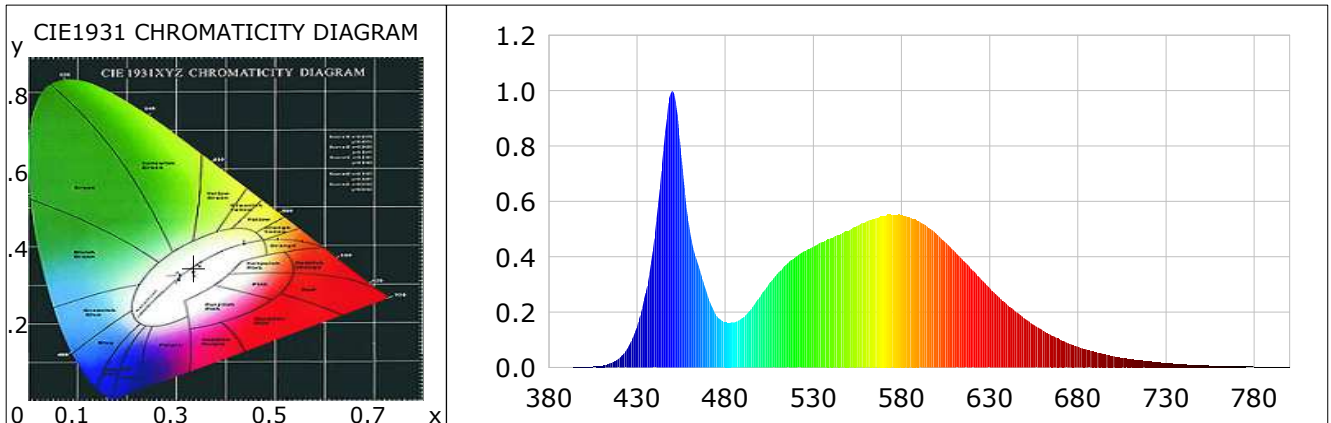
$R1=75$   $R2=79$   $R3=80$   $R4=82$   $R5=76$   $R6=70$   $R7=86$   $R8=66$

$R9=0$   $R10=48$   $R11=80$   $R12=42$   $R13=75$   $R14=89$   $R15=72$

Color Quality Scale:  $Q_a=73.6$ ,  $Q_f=73.5$ ,  $Q_p=74.3$ ,  $Q_g=88.5$

$Q1=81$   $Q2=97$   $Q3=69$   $Q4=60$   $Q5=69$   $Q6=74$   $Q7=81$   $Q8=88$

$Q9=93$   $Q10=79$   $Q11=71$   $Q12=70$   $Q13=71$   $Q14=62$   $Q15=70$



## Photometric Parameters

Luminous Flux: 17267.42 lm Efficiency: 137.79 lm/W

## Electric Parameters

Voltage: 221.20V  
Power Factor: 0.9920

Current: 0.573A  
Frequency: 49.99Hz

Power: 125.31W

## Test Infomation

Scan Range: 380~800:1nm  
Stabilization Time: 0 ms  
Max of Signal: 45394 (2952)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.00m, 4PI  
CCD Integration Time: 20.82 ms

Condition:  $T_x=24.0^{\circ}C$ ,  $T_i=23.5^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-10-23 16:07:15  
Inspector: