

# Lightsource Test Report

## Product Information

Product Spec: FG 55 0,675A 112W  
Manufacturer: FAROS

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3419$   $y=0.3578$   $u(u')=0.2069$   $v=0.3248$   $v'=0.4872$   
CCT:  $T_c=5142K$  ( $duv=0.00440$ ) Color Ratio:  $R=0.149$   $G=0.806$   $B=0.045$   
Peak Wavelength: 451.8nm Half Bandwidth: 21.2nm  
Dominant Wavelength: 566.5nm Color Purity: 0.100

CRI:  $R_a$ :  $R_a=84.6$

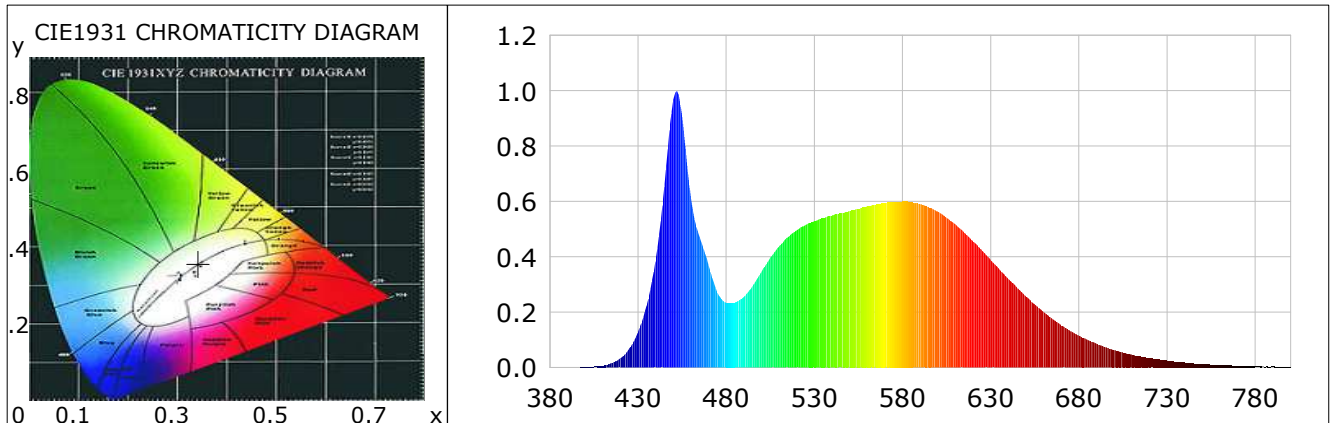
$R_1=81$   $R_2=84$   $R_3=84$   $R_4=88$   $R_5=81$   $R_6=77$   $R_7=91$   $R_8=74$

$R_9=12$   $R_{10}=60$   $R_{11}=86$   $R_{12}=48$   $R_{13}=81$   $R_{14}=91$   $R_{15}=78$

Color Quality Scale:  $Q_a=80.3$ ,  $Q_f=80.6$ ,  $Q_p=79.4$ ,  $Q_g=90.3$

$Q_1=83$   $Q_2=98$   $Q_3=77$   $Q_4=70$   $Q_5=76$   $Q_6=79$   $Q_7=85$   $Q_8=91$

$Q_9=96$   $Q_{10}=86$   $Q_{11}=81$   $Q_{12}=80$   $Q_{13}=80$   $Q_{14}=71$   $Q_{15}=76$



## Photometric Parameters

Luminous Flux: 13462.54 lm Efficiency: 120.50 lm/W

Radiant Power: 41.171 W

## Electric Parameters

Voltage: 221.30V  
Power Factor: 0.9910

Current: 0.5090A  
Frequency: 49.99Hz

Power: 111.72W

## Test Information

Scan Range: 380~800:1nm  
Stabilization Time: 0 ms  
Max of Signal: 47349 (2895)

Photometric Method: sphere-spectroradiometer  
Photometric Condition: Sphere diameter: 1.00m, 4PI  
CCD Integration Time: 39.09 ms

Condition:  $T_x=22.8^{\circ}C$ ,  $T_i=21.5^{\circ}C$ , R.H.:60%  
Test Lab:  
Operator:

Test Device: Lisun LMS-9000A(Plus)  
Test Time: 2018-10-23 12:57:53  
Inspector: