

# Lightsource Test Report

## Product Infomation

Product Spec: FG 55 40W 5000K  
Manufacturer: FAROS

Product Number: 1

## CIE Colorimetric Parameters

Chromaticity coordinates:  $x=0.3433$   $y=0.3566$   $u(u')=0.2083$   $v=0.3246$   $v'=0.4868$

CCT:  $T_c=5082K$  ( $duv=0.00320$ )

Color Ratio:  $R=0.153$   $G=0.800$   $B=0.047$

Peak Wavelength: 454.4nm

Half Bandwidth: 19.4nm

Dominant Wavelength: 568.5nm

Color Purity: 0.101

CRI:  $R_a$ :  $R_a=83.6$

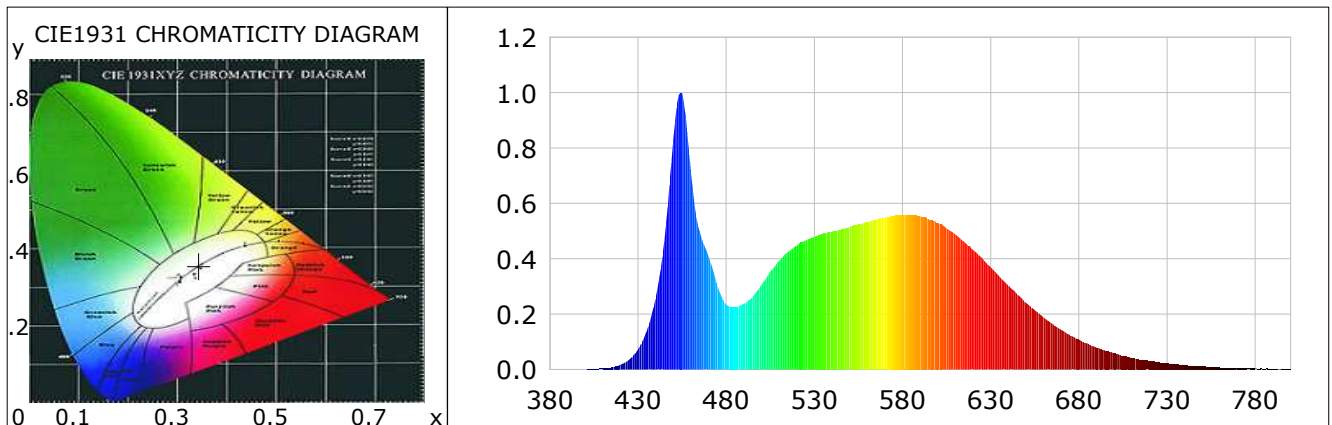
$R1=82$   $R2=86$   $R3=87$   $R4=86$   $R5=82$   $R6=79$   $R7=92$   $R8=74$

$R9=16$   $R10=64$   $R11=85$   $R12=47$   $R13=83$   $R14=92$   $R15=80$

Color Quality Scale:  $Q_a=80.0$ ,  $Q_f=80.3$ ,  $Q_p=78.8$ ,  $Q_g=89.9$

$Q1=81$   $Q2=98$   $Q3=77$   $Q4=68$   $Q5=74$   $Q6=77$   $Q7=84$   $Q8=91$

$Q9=96$   $Q10=88$   $Q11=82$   $Q12=81$   $Q13=80$   $Q14=73$   $Q15=77$



## Photometric Parameters

Luminous Flux: 5692.72 lm

Efficiency: 146.49 lm/W

Radiant Power: 17.460 W

## Electric Parameters

Voltage: 221.00V

Current: 0.1810A

Power: 38.86W

Power Factor: 0.9730

Frequency: 49.99Hz

## Test Infomation

Scan Range: 380~800:1nm

Stabilization Time: 0 ms

Max of Signal: 45658 (2752)

Photometric Method: sphere-spectroradiometer

Photometric Condition: Sphere diameter: 2.00m, 4PI

CCD Integration Time: 74.97 ms

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

Test Lab:

Operator:

Test Device: Lisun LMS-9000A(Plus)

Test Time: 2019-01-30 11:50:17

Inspector: