

# Spectrum Test Report

Sample :  
Specification : 250W FC2 6000K  
Sample No. : 01  
Manufacturer :  
Remark :  
Device SN :

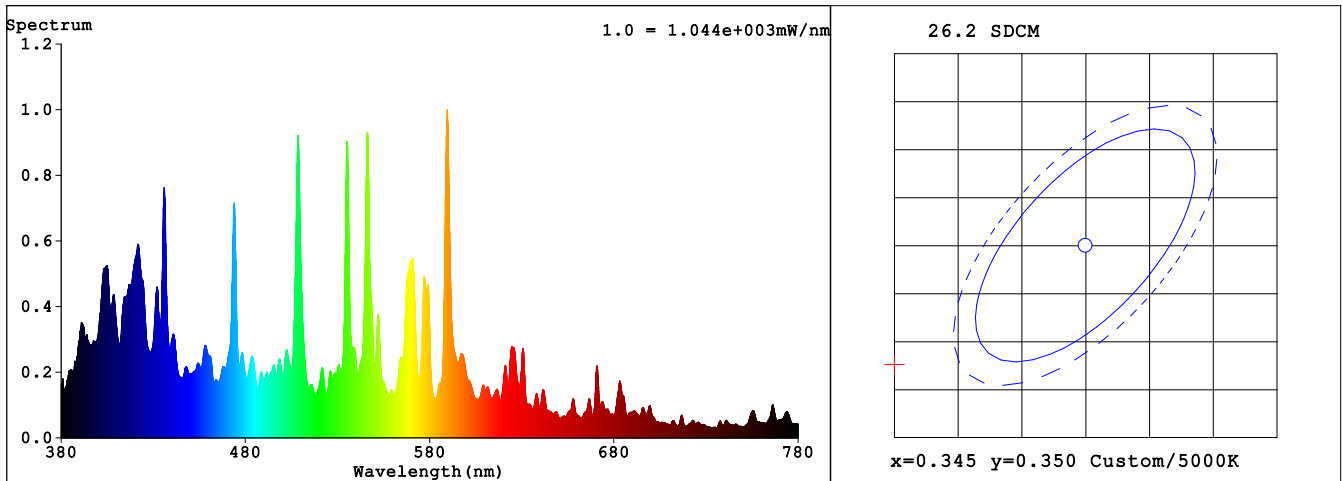
Date : 2024-06-14 15:18:57  
Sam. Status :  
Standard :  
Instrument :  
Test by :

## Test Condition

Temperature : 25.3Deg  
WL Range : 380nm-780nm  
Test Mode : Fast Test  
Sensitivity : High

RH : 65.0%  
IP : 54397 (83%)  
T : 307 ms

## Spectrum



## Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3052$   $y = 0.3376$  /  $u' = 0.1896$   $v' = 0.4717$  ( $duv=1.13e-02$ )

CCT= 6832K Prcp WL:  $L_d=493.7nm$  Purity=9.2%

Peak WL:  $L_p=590nm$  FWHM: =3.5nm Ratio:R=9.3% G=85.0% B=5.6%

Render Index:  $R_a = 76.2$

EEL: 0.16473 A+

R1 =68 R2 =81 R3 =91 R4 =75 R5 =74 R6 =80 R7 =83

R8 =57 R9 =0 R10=58 R11=72 R12=74 R13=71 R14=94 R15=57

LEVEL:OUT WHITE:OUT

## Photometric & Radiometric Parameters

Flux = 20955 lm Eff. : 82.70 lm/W  $F_e = 85.947 W$

Flux of emitted photons( $\mu mol/s$ ):374.88 Fluo. and blue light ratio:0.3501 Fluorescent eff.:76.77

A:  $5.2847e+003mW$

B:  $8.5947e+004mW$

Photosynthetic:PPF(400-700nm):332.44 $\mu mol/s$  PRF(400-700nm):76594mW

Eff(PPF) (400-700nm):1.31 $\mu mol/s/W$

## Electrical parameters

V = 120.40 V I = 2.412 A P = 253.4 W PF = 0.8726 F=50.00 Hz