



## Light Source Test Report

Model: 50W B

Manufacturer: RANTOON

Ambient Temperature  $T_a$ : 20.9° C

Instrument: FMS-6000 Fast-scan Spectrum System

Internal Temp. of Sphere  $T_i$ : 20.7° C

Operator: LJL

Humidity: 85%

Date: 16-03-18

Color & Spectrum	Photometric	Electrical
Chromaticity Coordinate x=0.4325 u=0.2468 y=0.4061 v=0.3477	Luminous Flux (lm) 3926.773	Voltage U 220.100V
CCT 3093K	Efficiency (lm/w) 77.773	Current I 0.243A
Dominant 582.1nm	Optical Power (400nm-700nm) 10988.1	Power P 50.490W
Peak Wavelength 596nm	Part Flux 537-733nm (lm) 3297.588	PF 0.941
FWHM 128.3nm	Scotopic Vision (lm) 4766.401	
Purity 51.67%	S/P 1.214	
Color Ratio: R=0.226 G=0.759 B=0.014	Photon Count (umol/s) 53.056	
Color CRI. Ra= 72.73 ( R1= 70 R2= 81 R3= 89 R4= 70 R5= 68 R6= 72 R7= 81 R8= 51 R9= 19 R10= 54 R11= 64 R12= 43 R13= 72 R14= 93 R15= 64)		

Ansi 6500K (x=0.313 y=0.337)

Instrument Status

Scan Range: 380nm-780nm

Interval: 5nm

HV: 400V

The main channel range: 1

Signal Peak: 12545.1

Signal fluctuations: -0.3%