

## Lighting Measure Report

### Color Parameter

Chroma Coordinate:  $x=0.453$   $y=0.408$   $u=0.2592$   $v=0.3502$

Chroma Coordinate:  $u'=0.2592$   $v'=0.5253$

CCT.: CCT=2778K Dominant:  $\lambda_d=584\text{nm}$  Barycenter:  $\lambda_b=593\text{nm}$  Peak Wavelength:  $\lambda_p=609.9\text{nm}$

FWHM:  $\Delta\lambda=112.6\text{nm}$  Purity:  $P_e=58.4\%$  Red Ratio:  $R=0.249$  Green Ratio:  $G=0.727$  Blue Ratio:  $B=0.024$

Color CRI.:  $R_a=83.95$

R 1=83	R 2=92	R 3=95	R 4=82	R 5=83	R 6=92	R 7=81
R 8=59	R 9=11	R 10=83	R 11=83	R 12=76	R 13=85	R 14=98
R 15=75						

### Luminosity Parameter

Luminous Flux(380-780nm): 1131.4lm Optical Power(380-780nm): 3.079W Efficient(380-780nm): 122.6lm/W

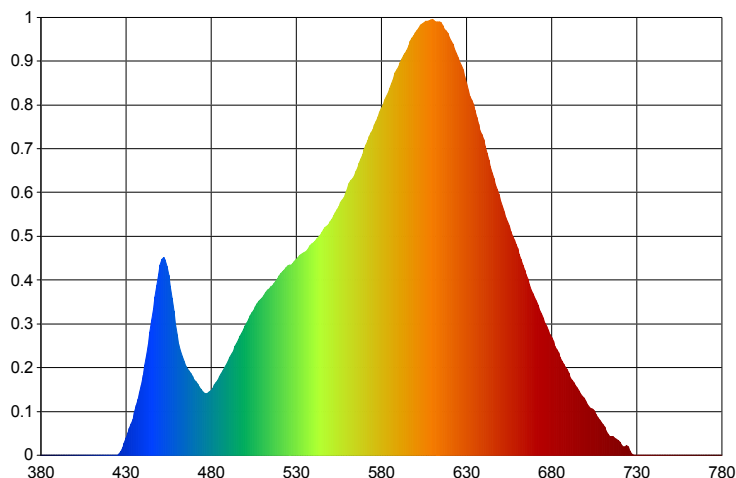
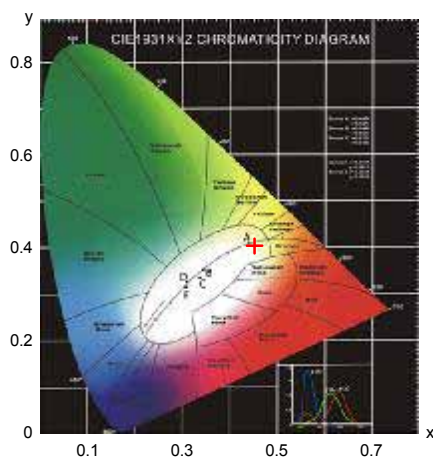
### Electric Parameter

Voltage:  $U=110.3\text{V}$  Current:  $I=85\text{mA}$  Power:  $P=9.23\text{W}$  PF: PF=1

### Device State

Wavelength Range 380nm-780nm Wavelength Interval 1nm

CIE1931 Chroma Figure



### Debug

Model EG-LED0827-01(2)

Test Cond:  $T_g=24.2\text{Cels}$   $T_a=24.6\text{Cels}$  RH=60%

Test Date: 2014-12-4

Manufacturer: GEMBIRD ELECTRONICS CO.,LTD

Measure Device: Volnic X-8 CCD Spectrum System

Operator(Sign): WANG JIAN