# Spectrum Test Report

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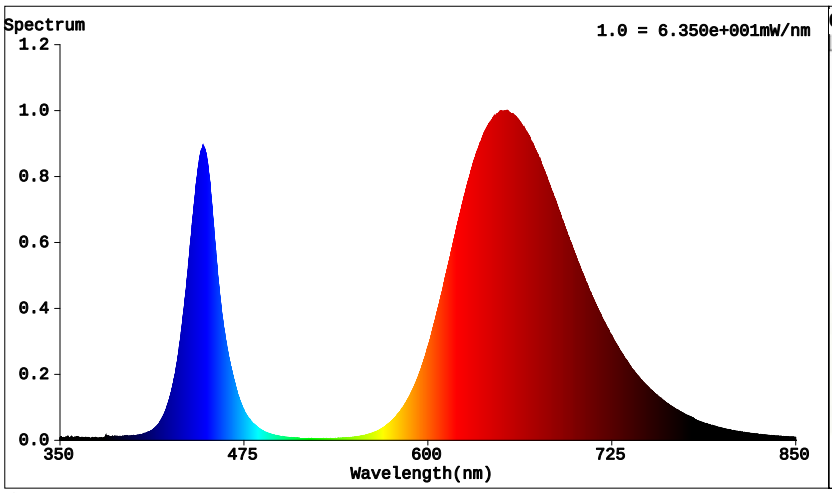
|---|---|---|---|
| Sample | : 超薄50W | Date | : 2018-11-12 17:57:41 |
| Specification | : | Standardtus | : |
| Sample No. | : 9 | Instrument | : HaasSuite(EVERFINE) |
| Manufacturer | : | Test by | : 赵志桐 |
| Remark | : | | |

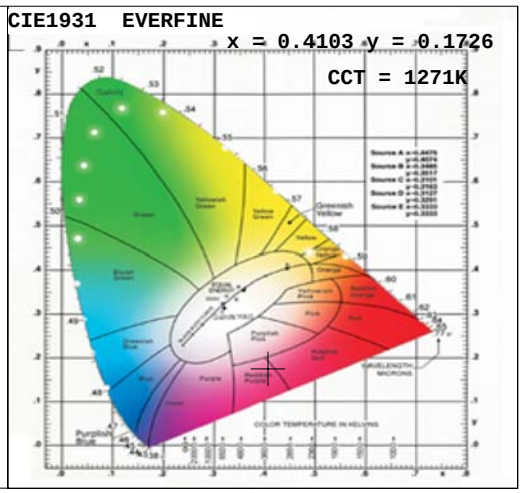
## Test Condition

| | | | |
|---|---|---|---|
| Temprature | : 25.3Deg | RH | : 65.0% |
| WL Range | : 350nm-850nm | IP | : 41934 (64%) |
| Test Mode | : Fast Test | T | : 341 ms |
| Sensitivity | : High | | |

## Spectrum




Spectral Distribution




CIE1931 Chromaticity Diagram

## Colorimetric Parameters

Chromaticity Coordinate: x = 0.4103 y = 0.1726 / u' = 0.3861 v' = 0.3655 (duv=1.15e-01) Dx,Dy:-0.2052,-0.2019

CCT= 1271K Prcp WL: Ld=-522.5nm Purity=32.2%

Peak WL: Lp=654nm FWHM: =93.5nm Ratio:R=72.7% G=21.1% B=6.3%

Render Index: Ra = 23.8 AvgR = 27.4 TM30:Rf=0 Rg=139

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| R1 =80 | R2 =13 | R3 =0 | R4 =10 | R5 =50 | R6 =0 | R7 =0 | |
| R8 =37 | R9 =63 | R10=0 | R11=24 | R12=0 | R13=45 | R14=16 | R15=71 |

LEVEL:OUT WHITE:OUT

## Photometric & Radiometric Parameters

Flux = 706.27 lm Eff. : 13.58 lm/W Fe = 8.1614 W

Flux of emitted photons(μmol/s):41.607 Fluo. and blue light ratio:4.057 Fluorescent eff.:114.4

Photosynthetic:PPF(400-700nm):33.953μmol/s PRF(400-700nm):6756.4mW

Eff(PPF) (400-700nm):0.65μmol/s/W

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## Electrical parameters

V = 220.6 V I = 0.2595 A P = 52.02 W PF = 0.9085 F=50.01 Hz