

Test Report

Sample : Tube light
 Specification : T8
 Sample No. : WY-GP-2022031001
 Manufacturer : Queendom
 Assessor : Lijian Jiang
 Remark :

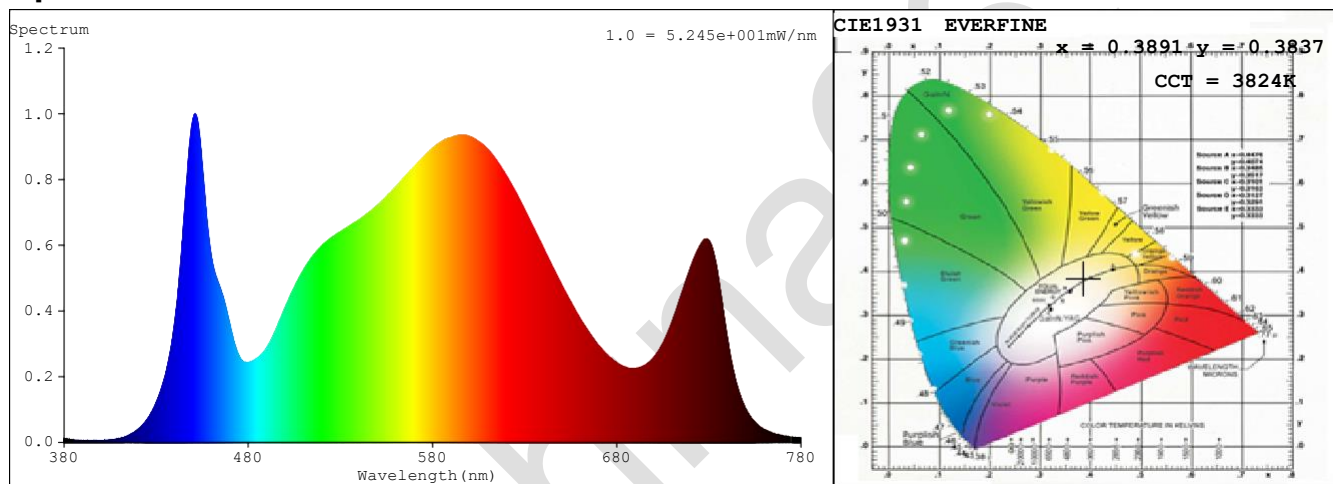
Date : 2022-03-14 10:12:05
 Standard : bk IES LM-79-08
 Instrument : HaasSuite(EVERFINE)
 Test by : Jianfei Wu

Test Condition

Temperature : 25.2Deg
 WL Range : 380nm-780nm
 Test Mode : Fast Test
 Sensitivity : High

RH : 41.9%
 IP : 48511 (74%)
 T : 37 ms

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3891$ $y = 0.3837$ / $u' = 0.2280$ $v' = 0.5059$ ($duv=7.68e-04$) $Dx, Dy: 0.0006, 0.0020$
 CCT= 3824K Prcp WL: Ld=579.3nm Purity=31.9%
 Peak WL: Lp=451nm FWHM: =20.1nm Ratio: R=18.8% G=77.9% B=3.3%

Render Index: Ra = 82.6

R1 =81 R2 =89 R3 =95 R4 =81 R5 =81 R6 =85 R7 =86
 R8 =63 R9 =7 R10=74 R11=80 R12=61 R13=83 R14=98 R15=75
 WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 2764.8 lm Eff. : 146.54 lm/W Fe = 9.3150 W
 Photons1:3.854e+001 $\mu\text{mol/s}$ (400~700nm) Photons2:4.530e+001 $\mu\text{mol/s}$ (380~780nm)
 Photosynthetic:PPF(400-700nm):38.535 $\mu\text{mol/s}$ PRF(400-700nm):8195.4mW
 Eff(PPF) (400-700nm):2.04 $\mu\text{mol/s/W}$

Electrical parameters

V = 220.2 V I = 0.08807 A P = 18.87 W PF = 0.9717 F=49.99 Hz