



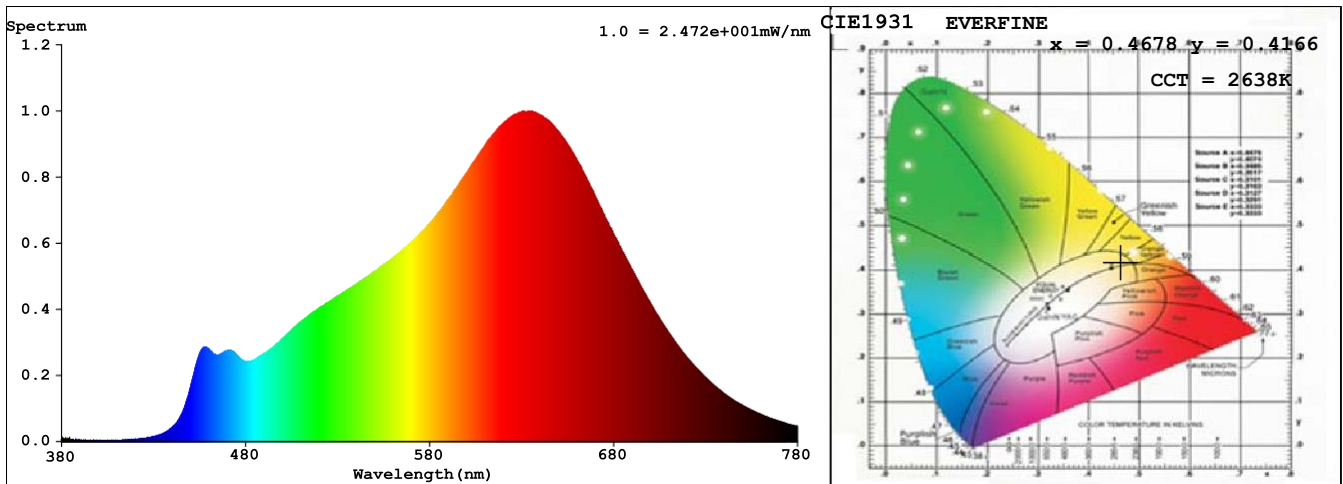
Spectrum Test Report

Sample : E24W230W27 Date : 2019-04-17 17:05:40
 Specification : 5050 60LED 10MM 24V 14.4W 2700K IP68CRI90 1M
 Sample No. : LD19040302#24 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark :

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 58438 (89%)
 Test Mode : Fast Test T : 180 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4678$ $y = 0.4166$ / $u' = 0.2649$ $v' = 0.5308$ ($duv=1.57e-03$)

CCT= 2638K Prcp WL: $L_d=584.0nm$ Purity=65.5%

Peak WL: $L_p=631nm$ FWHM: $=145.4nm$ Ratio:R=27.6% G=69.6% B=2.8%

Render Index: $R_a = 95.9$ CRI = 94.9 AvgR = 94.9 TM30:Rf=89 Rg=96

R1 =99 R2 =98 R3 =98 R4 =96 R5 =97 R6 =95 R7 =93

R8 =90 R9 =82 R10=98 R11=97 R12=86 R13=99 R14=99 R15=95

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 1056.2 lm Eff. : 72.62 lm/W Fe = 4.0233 W

Flux of emitted photons($\mu mol/s$):20.416 Flu. and blue light ratio:16.84 Fluorescent eff.:261.2

Electrical parameters

V = 24.00 V I = 0.6061 A P = 14.55 W PF = 1.000 F=0.00 Hz