



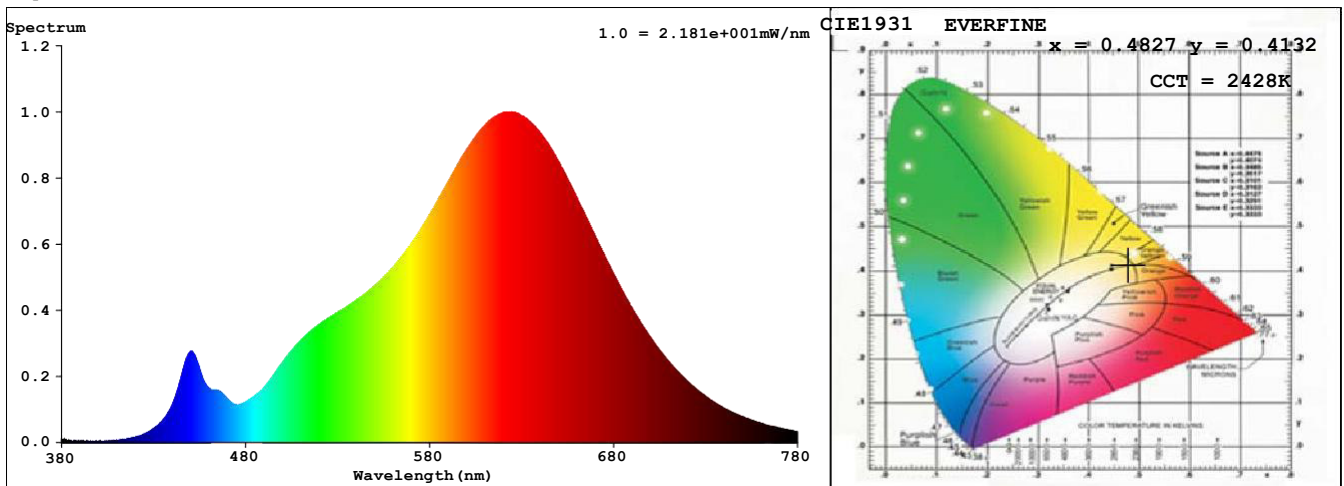
Spectrum Test Report

Sample : E24M676W24 Date : 2020-04-15 10:40:22
 Specification : COB 512 8MM 24V 10W 2400K CRI90 1M
 Sample No. : Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark : D512-RCOB-2400K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 52584 (80%)
 Test Mode : Fast Test T : 186 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4827$ $y = 0.4132$ / $u' = 0.2761$ $v' = 0.5318$ ($duv = -3.96e-04$)

CCT= 2428K Prcp WL: $L_d = 585.8 \text{ nm}$ Purity=69.0%

Peak WL: $L_p = 625 \text{ nm}$ FWHM: $= 126.1 \text{ nm}$ Ratio: R=28.8% G=69.2% B=1.9%

Render Index: $R_a = 91.4$ CRI = 89.1 AvgR = 88.9 TM30: $R_f = 89$ $R_g = 99$

R1 = 91 R2 = 96 R3 = 98 R4 = 92 R5 = 92 R6 = 97 R7 = 89

R8 = 76 R9 = 49 R10 = 92 R11 = 94 R12 = 89 R13 = 93 R14 = 99 R15 = 86

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 908.69 lm Eff. : 87.57 lm/W Fe = 3.2529 W

Electrical parameters

V = 24.00 V I = 0.4324 A P = 10.38 W PF = 1.000 F=0.00 Hz