



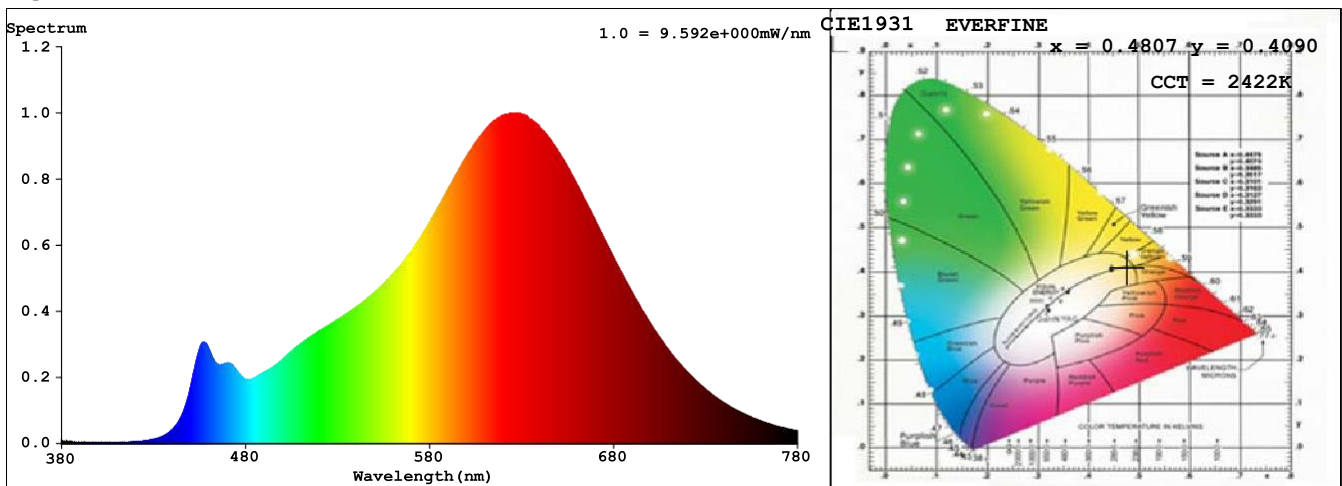
Spectrum Test Report

Sample : E24N230W24 Date : 2019-02-19 09:39:14
 Specification : 5050 60LED 10MM 24V 14.4W 2400K IP20 CRI90 1M
 Sample No. : LD19040302#10 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : Velleman
 Assessor :
 Remark :

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 53219 (81%)
 Test Mode : Fast Test T : 367 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4807$ $y = 0.4090$ / $u' = 0.2767$ $v' = 0.5299$ ($duv = -1.75e-03$)

CCT= 2422K Prcp WL: $L_d = 586.3\text{nm}$ Purity=67.1%

Peak WL: $L_p = 628\text{nm}$ FWHM: =127.8nm Ratio:R=29.4% G=68.1% B=2.5%

Render Index: $R_a = 92.1$ CRI = 90.7 AvgR = 90.6 TM30:Rf=89 Rg=98

R1 =95 R2 =99 R3 =94 R4 =93 R5 =96 R6 =94 R7 =88

R8 =79 R9 =60 R10=98 R11=95 R12=85 R13=97 R14=98 R15=89

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1137 lm Eff. : 81.95 lm/W Fe = 4.1943 W

Flux of emitted photons($\mu\text{mol/s}$):7.4629 Fluo. and blue light ratio:16.13 Fluorescent eff.:288.8

Electrical parameters

V = 24.00 V I = 0.5785 A P = 13.88 W PF = 1.000 F=0.00 Hz