



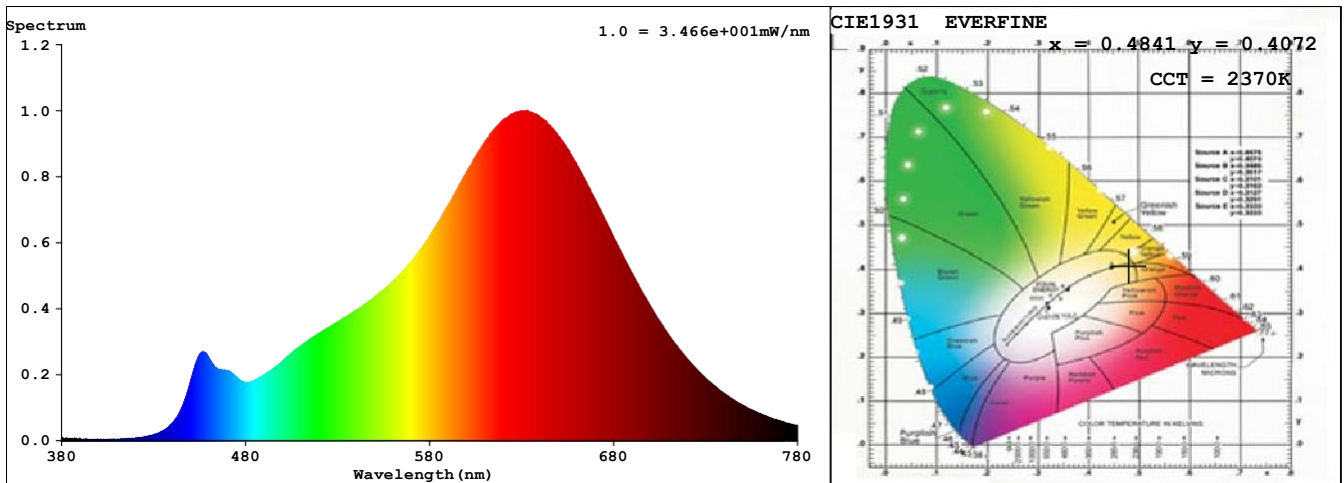
Spectrum Test Report

Sample : **E24N170W24** Date : 2018-11-26 17:24:24
 Specification : 2835 240LED 10mm 24V 19.2W 2400K CRI90 1M
 Sample No. : LD18111903#05 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD240-RL2835-2400K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 53164 (81%)
 Test Mode : Fast Test T : 104 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4841$ $y = 0.4072$ / $u' = 0.2799$ $v' = 0.5298$ ($duv = -2.46e-03$)

CCT= 2370K Prcp WL: $L_d = 586.9\text{nm}$ Purity=67.6%

Peak WL: $L_p = 633\text{nm}$ FWHM: =127.5nm Ratio:R=30.3% G=67.3% B=2.4%

Render Index: $R_a = 94.2$ CRI = 93.1 AvgR = 93.1 TM30:Rf=91 Rg=100

R1 =98 R2 =98 R3 =95 R4 =97 R5 =99 R6 =92 R7 =90

R8 =85 R9 =72 R10=96 R11=99 R12=85 R13=99 R14=99 R15=93

LEVEL:OUT WHITE:OUT

Photometric & Radiometric Parameters

Flux = 1352.0 lm Eff. : 71.35 lm/W $F_e = 5.3141$ W

Flux of emitted photons($\mu\text{mol/s}$):27.145 Fluo. and blue light ratio:17.58 Fluorescent eff.:265.4

Electrical parameters

V = 24.00 V I = 0.7896 A P = 18.95 W PF = 1.000 F=0.00 Hz