



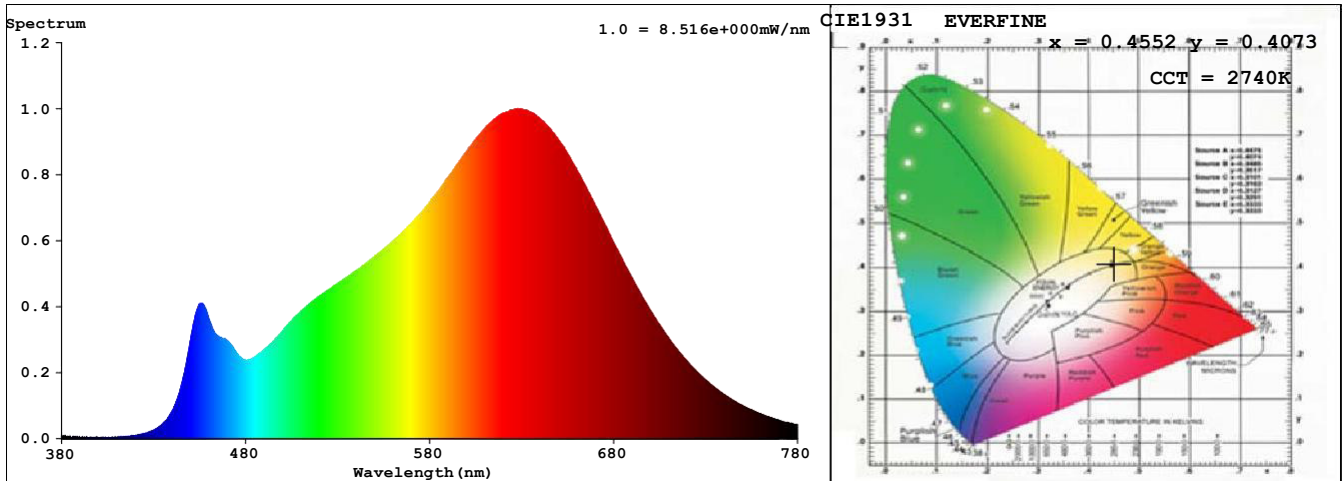
Spectrum Test Report

Sample : **E24N130W27** Date : 2018-11-26 18:34:44
 Specification : 2835 60LED 8mm 24V 4.8W 2700K CRI90 1M
 Sample No. : LD18111903#23 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD60-RL2835-2700K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 54660 (83%)
 Test Mode : Fast Test T : 428 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4552$ $y = 0.4073$ / $u' = 0.2610$ $v' = 0.5254$ ($duv = -8.39e-04$)

CCT= 2740K Prcp WL: $L_d = 584.3\text{nm}$ Purity=58.9%

Peak WL: $L_p = 628\text{nm}$ FWHM: =150.7nm Ratio:R=26.5% G=70.6% B=2.9%

Render Index: $R_a = 95.1$ CRI = 93.7 AvgR = 93.7 TM30:Rf=92 Rg=99

R1 =97 R2 =100 R3 =98 R4 =95 R5 =97 R6 =96 R7 =92

R8 =86 R9 =72 R10=99 R11=97 R12=85 R13=98 R14=100 R15=93

LEVEL:OUT WHITE:ANSI_2700K

Photometric & Radiometric Parameters

Flux = 386.52 lm Eff. : 82.13 lm/W Fe = 1.4277 W

Flux of emitted photons($\mu\text{mol/s}$):7.1794 Fluo. and blue light ratio:12.79 Fluorescent eff.:281.4

Electrical parameters

V = 24.00 V I = 0.1961 A P = 4.706 W PF = 1.000 F=0.00 Hz