



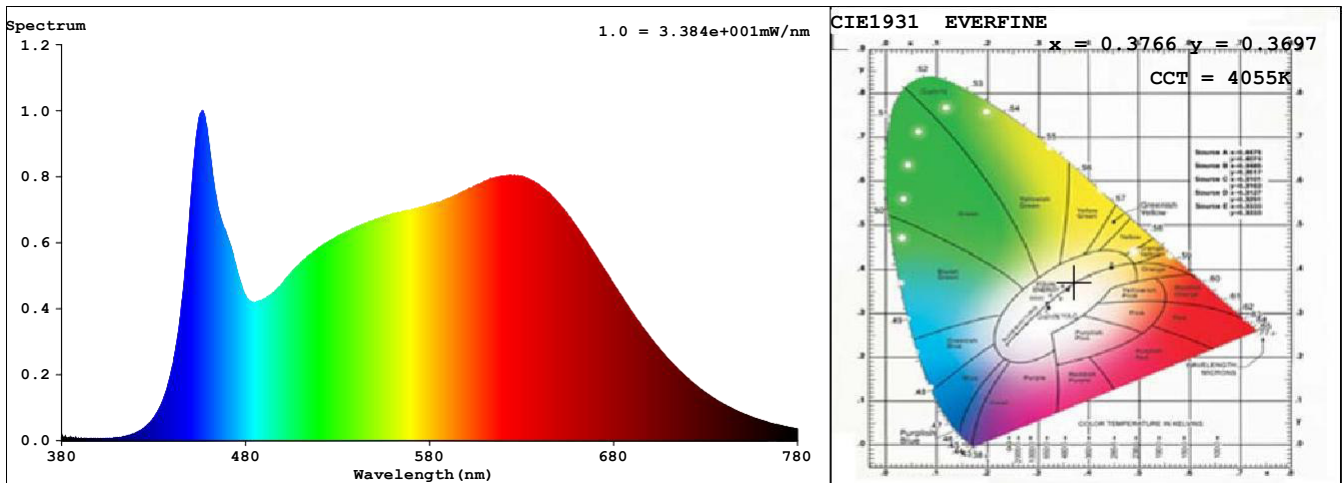
Spectrum Test Report

Sample : **E24N170W40** Date : 2018-11-26 17:20:11
 Specification : 2835 240LED 10mm 24V 19.2W 4000K CRI90 1M
 Sample No. : LD18111903#02 Instrument : HaasSuite(EVERFINE)
 Manufacturer : Test by : **Velleman**
 Assessor :
 Remark : LD240-RL2835-4000K-24-IP20

Test Condition

Temperature : 25.3Deg RH : 65.0%
 WL Range : 380nm-780nm IP : 49928 (76%)
 Test Mode : Fast Test T : 119 ms
 Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3766$ $y = 0.3697$ / $u' = 0.2254$ $v' = 0.4979$ ($duv = -2.19e-03$)

CCT= 4055K Prcp WL: $L_d = 580.2\text{nm}$ Purity=24.0%

Peak WL: $L_p = 457\text{nm}$ FWHM: $=29.3\text{nm}$ Ratio: R=20.3% G=74.7% B=5.0%

Render Index: $R_a = 95.6$ CRI = 94.3 AvgR = 94.4 TM30: $R_f = 91$ $R_g = 99$

R1 =98 R2 =98 R3 =98 R4 =94 R5 =95 R6 =95 R7 =93

R8 =93 R9 =90 R10=99 R11=95 R12=73 R13=99 R14=100 R15=96

LEVEL:OUT WHITE:ANSI_4000K

Photometric & Radiometric Parameters

Flux = 1651.2 lm Eff. : 87.63 lm/W $F_e = 5.9858\text{ W}$

Flux of emitted photons($\mu\text{mol/s}$):28.896 Fluo. and blue light ratio:5.001 Fluorescent eff.:264.8

Electrical parameters

V = 24.00 V I = 0.7852 A P = 18.84 W PF = 1.000 F=0.00 Hz