



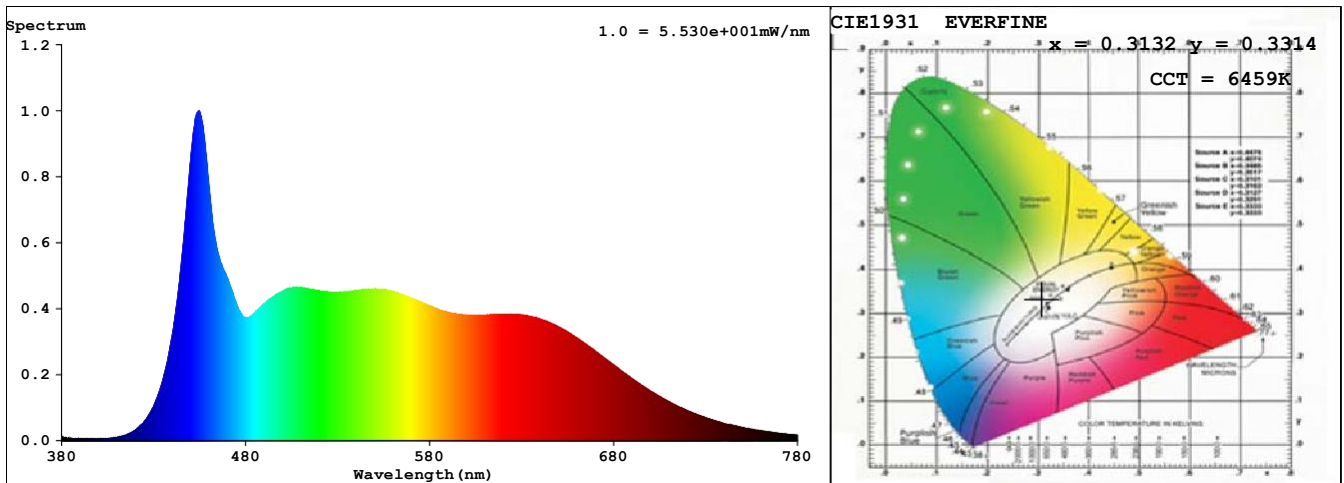
## Spectrum Test Report

Sample : **E24N170W65** Date : 2018-11-26 17:18:52  
 Specification : 2835 240LED 10mm 24V 19.2W 6500K CRI90 1M  
 Sample No. : LD18111903#01 Instrument : HaasSuite(EVERFINE)  
 Manufacturer : Test by : **Velleman**  
 Assessor :  
 Remark : LD240-RL2835-6500K-24-IP20

### Test Condition

Temperature : 25.3Deg RH : 65.0%  
 WL Range : 380nm-780nm IP : 57052 (87%)  
 Test Mode : Fast Test T : 119 ms  
 Sensitivity : High

### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3132$   $y = 0.3314$  /  $u' = 0.1973$   $v' = 0.4697$  ( $duv=4.18e-03$ )

CCT= 6459K Prcp WL:  $L_d=490.5\text{nm}$  Purity=6.9%

Peak WL:  $L_p=455\text{nm}$  FWHM:  $=25.1\text{nm}$  Ratio: R=15.3% G=77.5% B=7.2%

Render Index: Ra = 96.0 CRI = 94.6 AvgR = 94.6 TM30:Rf=92 Rg=99

R1 =97 R2 =100 R3 =99 R4 =93 R5 =95 R6 =96 R7 =95

R8 =94 R9 =93 R10=99 R11=96 R12=72 R13=98 R14=100 R15=95

LEVEL:OUT WHITE:ANSI\_6500K

### Photometric & Radiometric Parameters

Flux = 1725.9 lm Eff. : 92.02 lm/W Fe = 6.4080 W

Flux of emitted photons( $\mu\text{mol/s}$ ):29.703 Flu. and blue light ratio:3.159 Fluorescent eff.:259.6

### Electrical parameters

V = 24.00 V I = 0.7816 A P = 18.76 W PF = 1.000 F=0.00 Hz