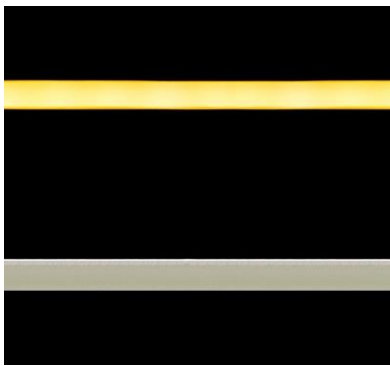
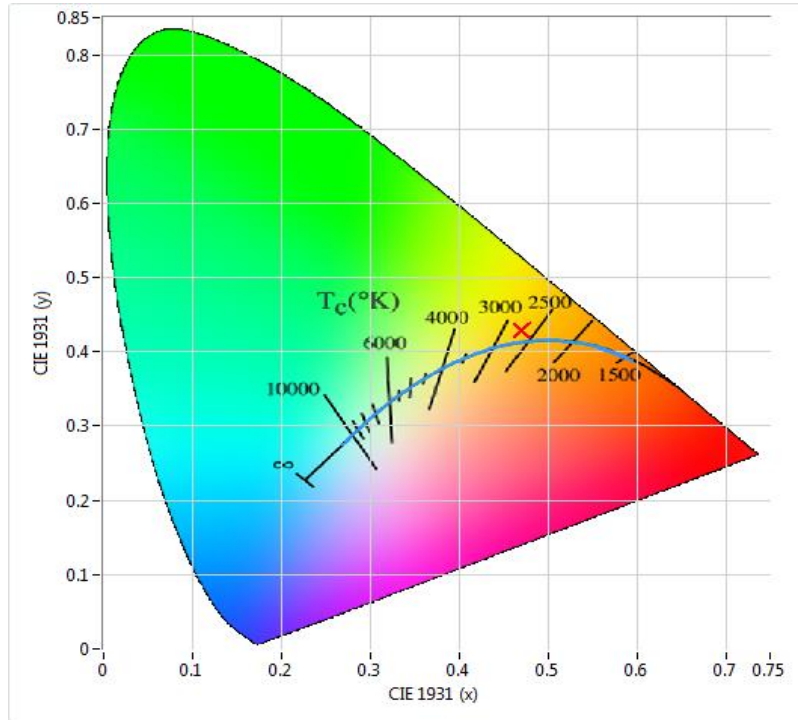


## Integrating Sphere Test Report

Waterproof Warm White LED Neon, by the 20m Reel  
LN-WW-20



LN-WW-20

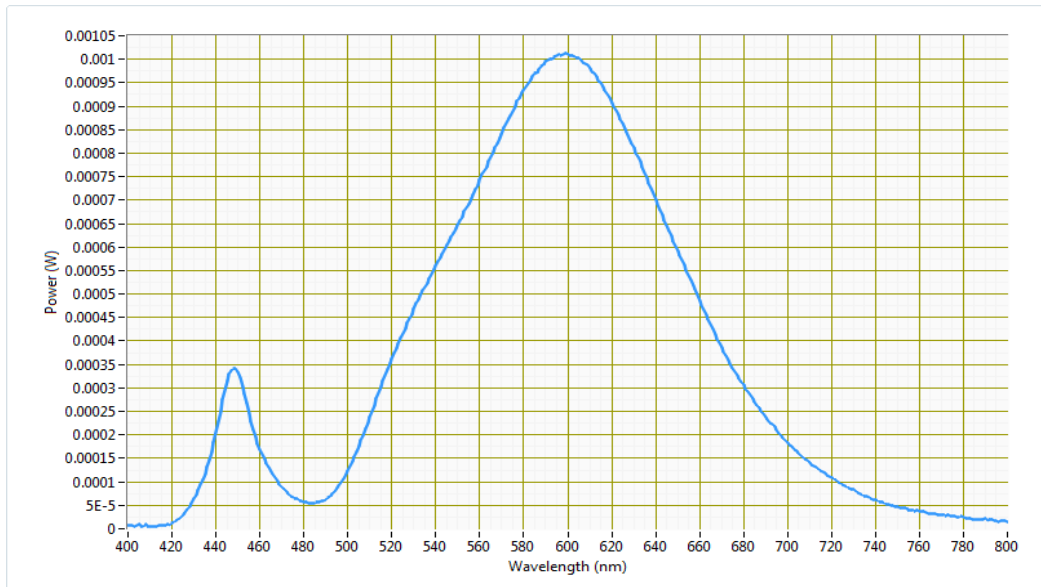


### Photometric Test Results

Total Radiant Flux* (W): 0.141128	R1: 67.02442
Total Luminous Flux* (lm): 48.41751	R2: 79.26869
CIE 1931 Tristimulus x: 0.469841	R3: 90.72066
CIE 1931 Tristimulus y: 0.429349	R4: 67.43536
CIE 1931 Tristimulus Y: 0.070889	R5: 64.19558
CIE 1976 Chroma u': 0.260571	R6: 69.58454
CIE 1976 Chroma v': 0.535756	R7: 81.34758
Color Temperature (CCT K): 2707	R8: 47.28084
Duv: 0.005918	R9: -23.5642
CQS: 72.609039	R10: 51.69891
CRI: 70.85721	R11: 59.80883
	R12: 37.03775
	R13: 68.50621
	R14: 94.18084

\*Total radiant and luminous flux are per test length, listed on page 2, not characteristic of the entire reel.

## Spectral Power Distribution



### Spectral Response Characteristics

Peak Wavelength (nm): 599  
Center Wavelength (nm): 596  
Full Width (nm): 124  
Centroid Wavelength (nm): 594.49  
Voltage (V): 24

Date of Test: 5/8/14

Length of Test Sample: 150mm

Measurement Geometry: 2pi

**Environmental Lights**

**888-880-1800**