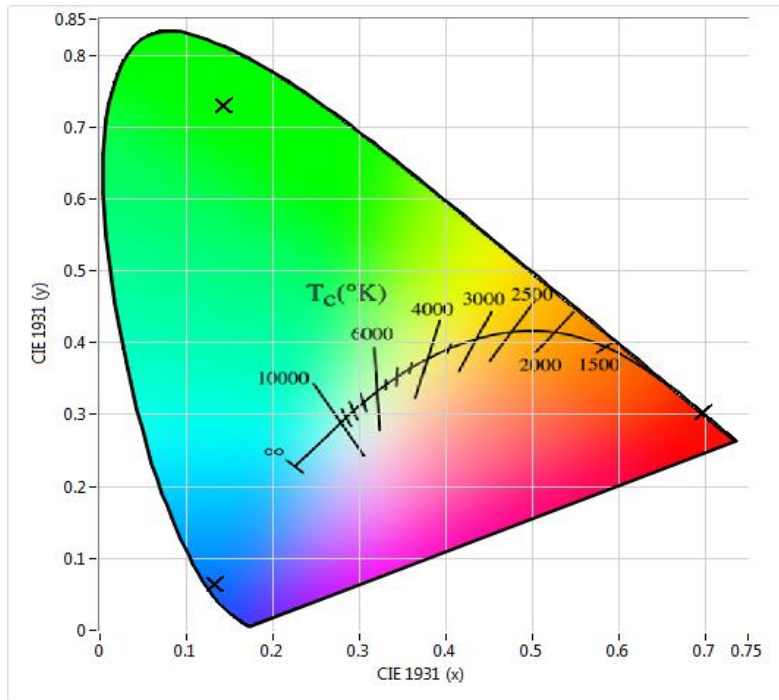


## Integrating Sphere Test Report

Waterproof RGB 5050 LED Super Flat Rope, 60/m, with Black Finish, by the 20m Reel  
SFR-RGB-B-20



SFR-RGB-B-20



### Photometric Test Results

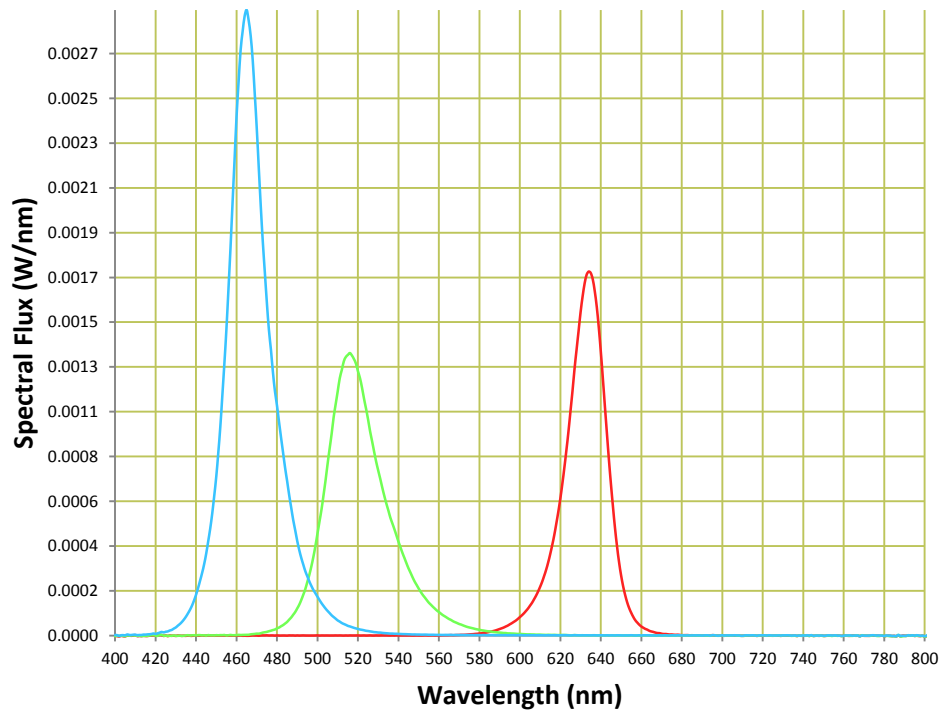
Red Total Radiant Flux\* (W): 0.041685  
 Red Total Luminous Flux\* (lm): 7.629928  
 Red CIE 1931 Tristimulus x: 0.697992  
 Red CIE 1931 Tristimulus y: 0.303188  
 Red CIE 1931 Tristimulus Y: 0.011171  
 Red CIE 1976 Chroma u': 0.532588  
 Red CIE 1976 Chroma v': 0.520517

Blue Total Radiant Flux\* (W): 0.07629953  
 Blue Total Luminous Flux\* (lm): 5.36808733  
 Blue CIE 1931 Tristimulus x: 0.13220626  
 Blue CIE 1931 Tristimulus y: 0.06325338  
 Blue CIE 1931 Tristimulus Y: 0.00785957  
 Blue CIE 1976 Chroma u': 0.15132514  
 Blue CIE 1976 Chroma v': 0.16290157

Green Total Radiant Flux\* (W): 0.046715  
 Green Total Luminous Flux\* (lm): 21.52572  
 Green CIE 1931 Tristimulus x: 0.141717  
 Green CIE 1931 Tristimulus y: 0.730051  
 Green CIE 1931 Tristimulus Y: 0.031516  
 Green CIE 1976 Chroma u': 0.049391  
 Green CIE 1976 Chroma v': 0.57248

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

# Spectral Power Distribution



## Spectral Response Characteristics

Red Peak Wavelength (nm): 634  
Red Center Wavelength (nm): 633.5  
Red Full Width (nm): 21  
Red Centroid Wavelength (nm): 631.3141

Blue Peak Wavelength (nm): 465  
Blue Center Wavelength (nm): 465.5  
Blue Full Width (nm): 21  
Blue Centroid Wavelength (nm): 467.7059654  
Blue Dominant Wavelength (nm): 469  
Blue Purity: 96.95252327

Green Peak Wavelength (nm): 516  
Green Center Wavelength (nm): 518  
Green Full Width (nm): 30  
Green Centroid Wavelength (nm): 521.3302  
Green Dominant Wavelength (nm): 522  
Green Purity: 79.42234

Date of Test: 7/23/14  
Length of Test Sample: 150mm  
Measurement Geometry: 2pi  
Voltage (V): 24

**Environmental Lights**  
**888-880-1800**