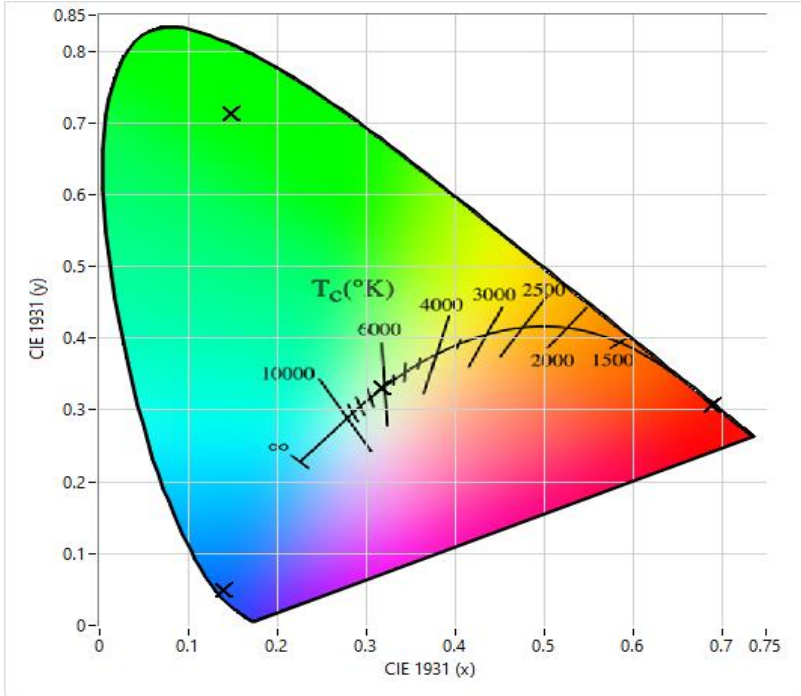


## Integrating Sphere Test Report

4-in-1 5050 LED Module - RGB + 6,500K - 3 LEDs  
EL-M5050-3-RGBDW



EL-M5050-3-RGBDW



### Photometric Test Results

Red Total Radiant Flux\* (W): 0.03239  
 Red Total Luminous Flux\* (lm): 6.843789  
 Red CIE 1931 Tristimulus x: 0.689163  
 Red CIE 1931 Tristimulus y: 0.306903  
 Red CIE 1931 Tristimulus Y: 0.010026  
 Red CIE 1976 Chroma u': 0.519681  
 Red CIE 1976 Chroma v': 0.520713  
 Green Total Radiant Flux\* (W): 0.039063  
 Green Total Luminous Flux\* (lm): 17.61957  
 Green CIE 1931 Tristimulus x: 0.148447  
 Green CIE 1931 Tristimulus y: 0.713467  
 Green CIE 1931 Tristimulus Y: 0.02579  
 Green CIE 1976 Chroma u': 0.052712  
 Green CIE 1976 Chroma v': 0.570028

Blue Total Radiant Flux\* (W): 0.064418317  
 Blue Total Luminous Flux\* (lm): 3.79526182  
 Blue CIE 1931 Tristimulus x: 0.13969196  
 Blue CIE 1931 Tristimulus y: 0.049428  
 Blue CIE 1931 Tristimulus Y: 0.00556482  
 Blue CIE 1976 Chroma u': 0.1686209  
 Blue CIE 1976 Chroma v': 0.1342442  
 White Total Radiant Flux\* (W): 0.081848627  
 White Total Luminous Flux\* (lm): 24.94319874  
 White CIE 1931 Tristimulus x: 0.31704858  
 White CIE 1931 Tristimulus y: 0.33006668  
 White CIE 1931 Tristimulus Y: 0.03651602  
 White CIE 1976 Chroma u': 0.20045106  
 White CIE 1976 Chroma v': 0.46953368

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

## Photometric Test Results cont. (White)

Color Temperature (White) (CCT K): 6266

Duv(White): 0.001583

CQS(White): 83.82

CRI(White): 86.81

### R Values of White Diodes

R1(White): 86.3035

R2(White): 92.643

R3(White): 94.2784

R4(White): 85.4787

R5(White): 85.8409

R6(White): 86.8558

R7(White): 89.062

R8(White): 74.0291

R9(White): 25.1443

R10(White): 80.7811

R11(White): 85.4669

R12(White): 60.6775

R13(White): 88.8506

R14(White): 97.3986

Date of Test: 8/21/19

Length of Test Sample: 1 module

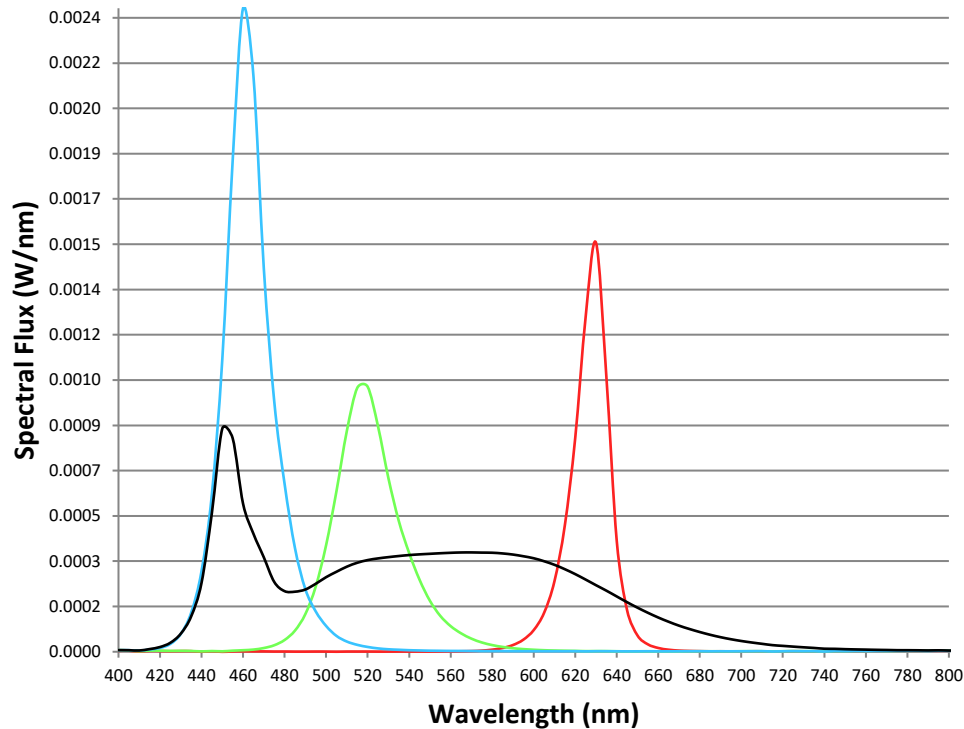
Measurement Geometry: 2pi

Voltage (V): 12

**Environmental Lights**

**888-880-1800**

## Spectral Power Distribution



### Spectral Response Characteristics

Red Peak Wavelength (nm): 629.746	Blue Peak Wavelength (nm): 461.016
Red Center Wavelength (nm): 628.233	Blue Center Wavelength (nm): 461.279
Red Full Width (nm): 16.574	Blue Full Width (nm): 20.269
Red Centroid Wavelength (nm): 626.59	Blue Centroid Wavelength (nm): 463.373
Red Dominant Wavelength (nm): 620	Blue Dominant Wavelength (nm): 465
Red Purity: 98.8626	Blue Purity: 97.30001302
Green Peak Wavelength (nm): 517.645	White Peak Wavelength (nm): 452.009
Green Center Wavelength (nm): 518.606	White Center Wavelength (nm): 454.199
Green Full Width (nm): 31.296	White Full Width (nm): 20.163
Green Centroid Wavelength (nm): 521.536	White Centroid Wavelength (nm): 543.55
Green Dominant Wavelength (nm): 522	
Green Purity: 76.04156	

### Environmental Lights

888-880-1800