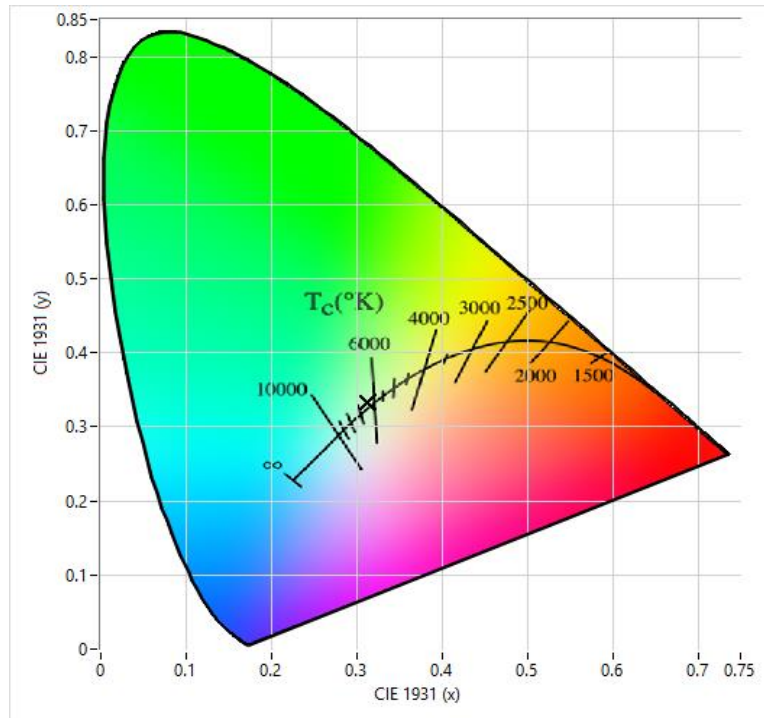


## Integrating Sphere Test Report

WATERPROOF DIMMABLE 2.7 WATT LED HIGH BRIGHTNESS MODULE, IP65 (DAYLIGHT WHITE)  
MG21DB-DW



MG21DB-DW

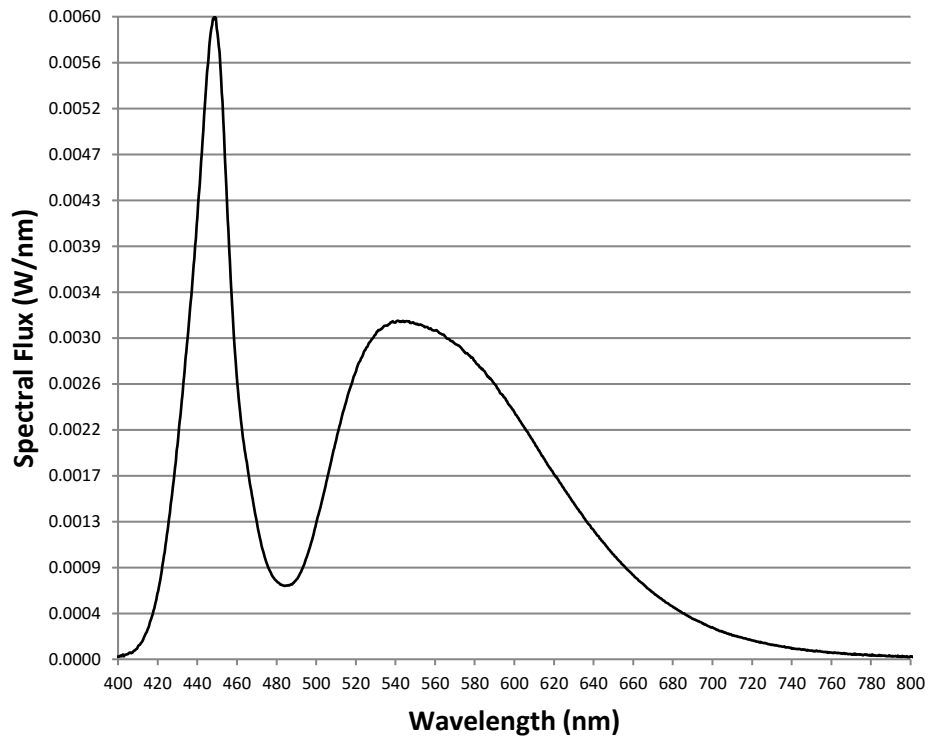


### Photometric Test Results

Total Radiant Flux* (W): 0.582305	R1: 69.59535
Total Luminous Flux* (lm): 185.7086	R2: 74.10813
	R3: 76.35115
CIE 1931 Tristimulus x: 0.311541	R4: 73.22518
CIE 1931 Tristimulus y: 0.333309	R5: 71.09767
CIE 1931 Tristimulus Y: 0.271844	R6: 65.84947
	R7: 80.5563
CIE 1976 Chroma u': 0.195427	R8: 62.02085
CIE 1976 Chroma v': 0.470434	R9: -26.6651
	R10: 37.79988
Color Temperature (CCT K): 6533	R11: 71.06499
Duv: 0.005981	R12: 42.44109
CQS: 72.27	R13: 69.60456
CRI: 71.6	R14: 86.66676

\*Total radiant and luminous flux are per module.

## Spectral Power Distribution



### Spectral Response Characteristics

Peak Wavelength (nm): 448.51  
Center Wavelength (nm): 446.82  
Full Width (nm): 23.41  
Centroid Wavelength (nm): 539.48  
Voltage (V): 12

Date of Test: 10/14/16  
Length of Test Sample: 1 module  
Measurement Geometry: 2pi

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