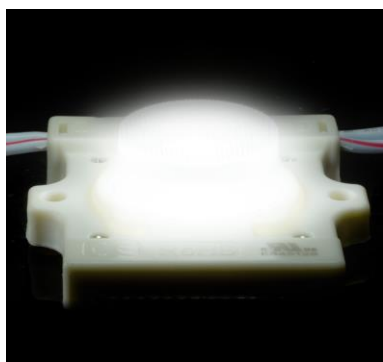
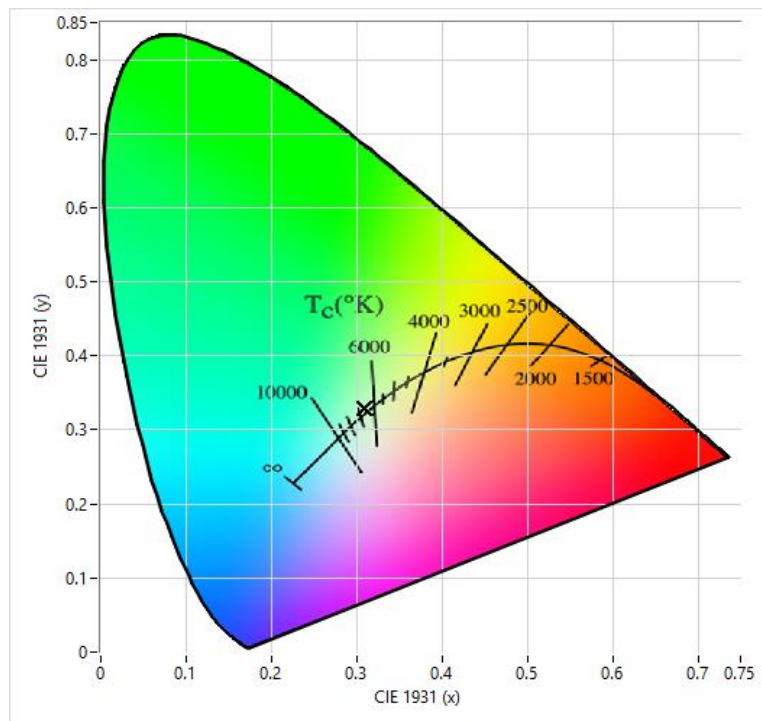


## Integrating Sphere Test Report

WATERPROOF DIMMABLE 2.7 WATT LED HIGH BRIGHTNESS MODULE, IP67 (DAYLIGHT WHITE)  
MG11DB-DW



MG11DB-DW

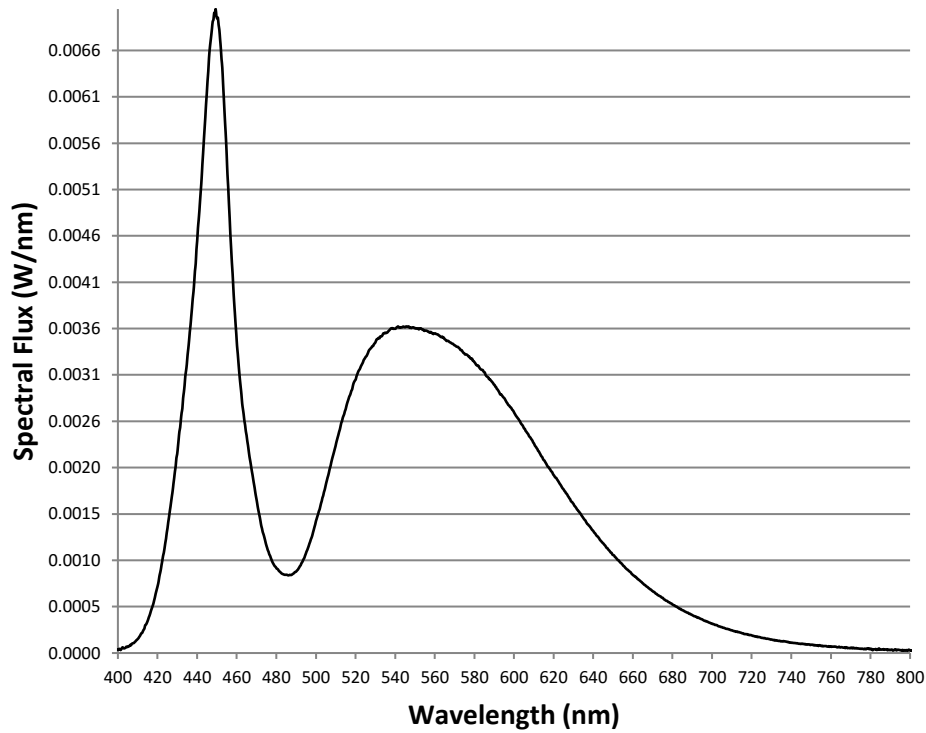


### Photometric Test Results

Total Radiant Flux* (W): 0.66838	R1: 70.2708
Total Luminous Flux* (lm): 211.2921	R2: 75.12241
	R3: 76.98518
CIE 1931 Tristimulus x: 0.308836	R4: 73.76484
CIE 1931 Tristimulus y: 0.328213	R5: 71.65591
CIE 1931 Tristimulus Y: 0.309295	R6: 66.66393
	R7: 81.43015
CIE 1976 Chroma u': 0.195439	R8: 62.4267
CIE 1976 Chroma v': 0.467326	R9: -25.8901
	R10: 39.52167
Color Temperature (CCT K): 6724	R11: 71.1448
Duv: 0.004773	R12: 42.70721
CQS: 71.96	R13: 70.54148
CRI: 72.29	R14: 86.9972

\*Total radiant and luminous flux are per module.

## Spectral Power Distribution



### Spectral Response Characteristics

Peak Wavelength (nm): 449.3  
Center Wavelength (nm): 448.02  
Full Width (nm): 23.32  
Centroid Wavelength (nm): 538.08  
Voltage (V): 12

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

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