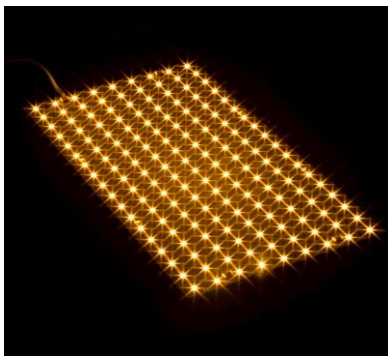
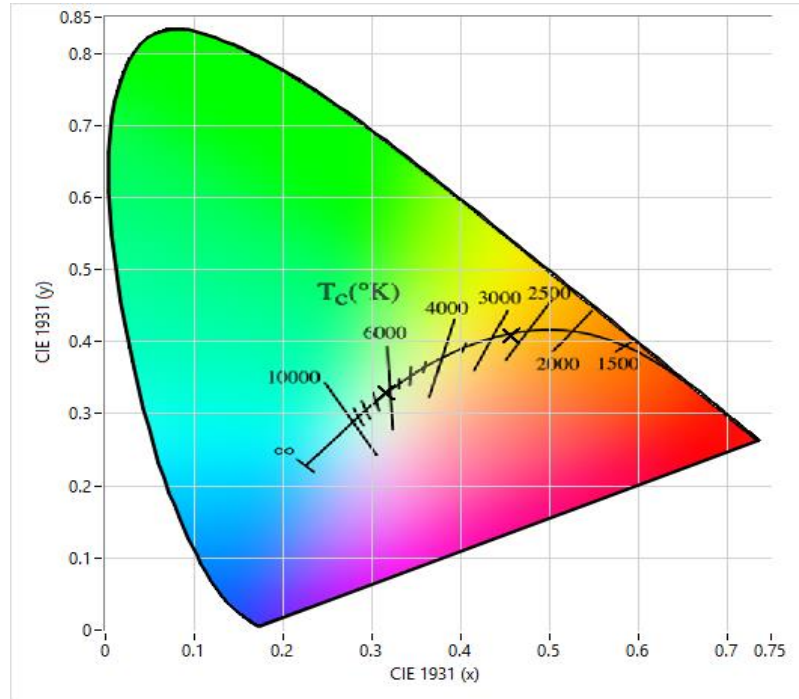


## Integrating Sphere Test Report

LumenMax Tunable White LED Light Sheet - 18 x 9 Segments  
TW-2835LM-LS-18x9



TW-2835LM-LS-18x9

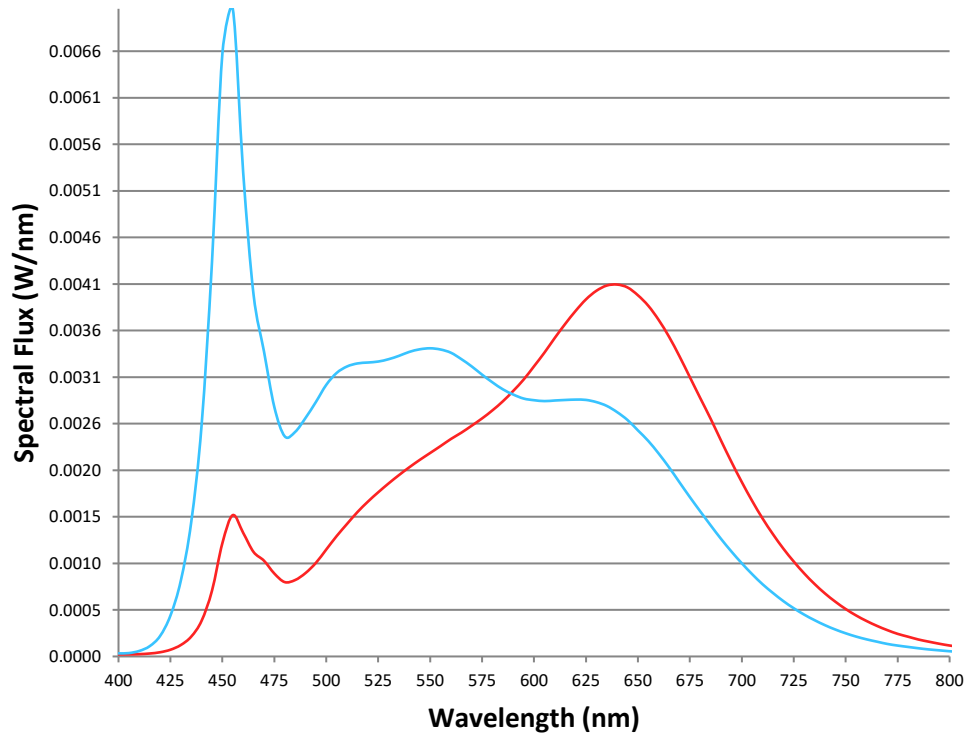


### Photometric Test Results

Total Radiant Flux* (Warm) (W): 0.697571	CIE 1931 Tristimulus x (Warm): 0.455674
Total Radiant Flux* (Cool) (W): 0.831755	CIE 1931 Tristimulus x (Cool): 0.315818
Total Luminous Flux* (Warm) (lm): 176.2972	CIE 1931 Tristimulus y (Warm): 0.407555
Total Luminous Flux* (Cool) (lm): 226.033	CIE 1931 Tristimulus y (Cool): 0.329184
Color Temperature (Warm) (CCT K): 2736	CIE 1931 Tristimulus Y (Warm): 0.258117
Color Temperature (Cool) (CCT K): 6336	CIE 1931 Tristimulus Y (Cool): 0.330924
Duv (Warm): -0.00077	CIE 1976 Chroma u' (Warm): 0.261157
Duv (Cool): 0.001739	CIE 1976 Chroma u' (Cool): 0.19993
CQS (Warm): 94.17	CIE 1976 Chroma v' (Warm): 0.525553
CQS (Cool): 92.76	CIE 1976 Chroma v' (Cool): 0.468881
CRI (Warm): 97.96	
CRI (Cool): 95.63	

\*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 (Warm) (nm): 638.66  
Peak Wavelength (Cool) (nm): 453.25  
Center Wavelength (Warm) (nm): 617.43  
Center Wavelength (Cool) (nm): 455.19  
Full Width (Warm) (nm): 158.98  
Full Width (Cool) (nm): 22.99  
Centroid Wavelength (Warm) (nm): 612.35  
Centroid Wavelength (Cool) (nm): 557.73  
Voltage (V): 24

Date of Test: 2/13/19  
Length of Test Sample: 8 Segments  
Measurement Geometry: 2pi

**Environmental Lights**  
**888-880-1800**  
R Values of Warm and Cool Diodes

	99.25884		
R1 (Warm):	96.33464	R8 (Warm):	95.63654
R1 (Cool):	99.45968	R8 (Cool):	95.55517
R2 (Warm):	97.998	R9 (Warm):	90.28332
R2 (Cool):	96.99794	R9 (Cool):	90.53501
R3 (Warm):	95.96154	R10 (Warm):	96.8327
R3 (Cool):	98.80806	R10 (Cool):	93.44407
R4 (Warm):	94.78847	R11 (Warm):	98.43176
R4 (Cool):	98.38329	R11 (Cool):	95.19152
R5 (Warm):	94.3766	R12 (Warm):	84.55522
R5 (Cool):	97.70721	R12 (Cool):	69.76687
R6 (Warm):	92.83995	R13 (Warm):	99.75439
R6 (Cool):	97.39919	R13 (Cool):	97.80256
R7 (Warm):	97.22153	R14 (Warm):	97.21112
R7 (Cool):		R14 (Cool):	97.89299

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