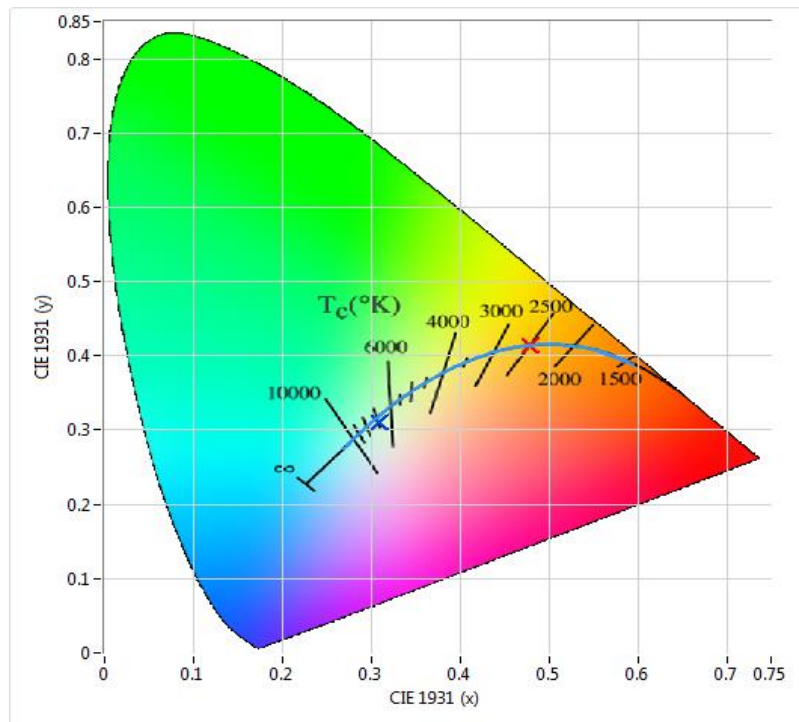


## Integrating Sphere Test Report

White Adjustable 3528 Quad Row LED Strip Light, 450/m, 28mm wide, by the 3.2m Reel  
ct3528-450-reel



ct3528-450-reel

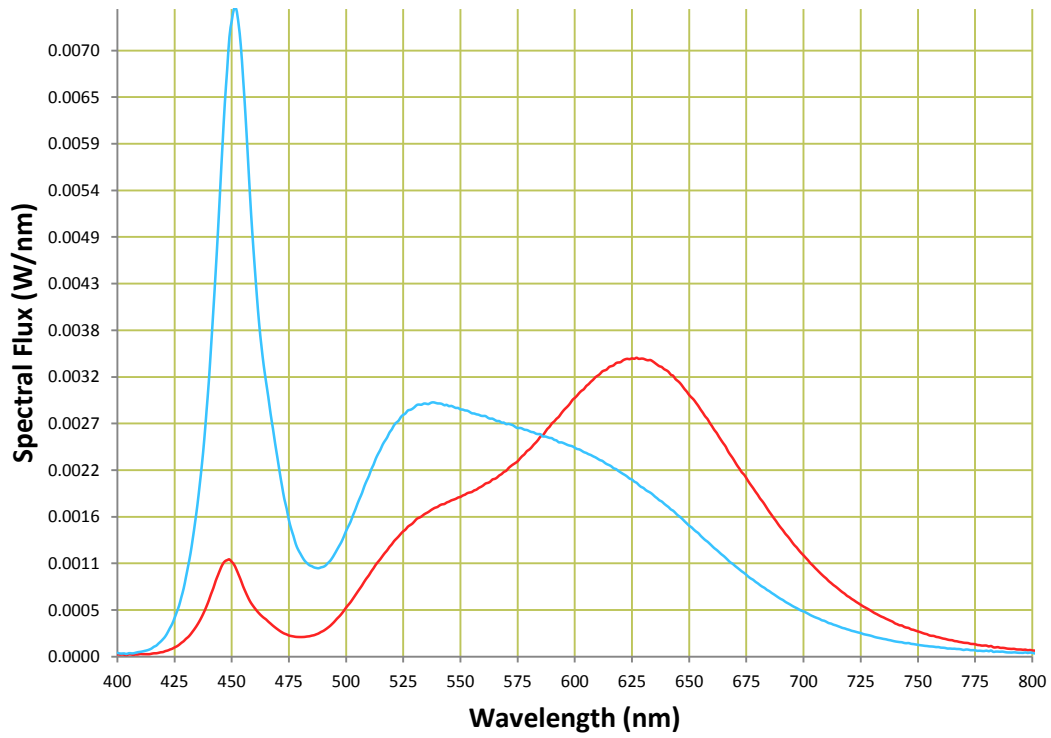


### Photometric Test Results

|  |   |
|--|---|
| Total Radiant Flux* (Warm) (W): 0.53168246   | CIE 1931 Tristimulus x (Warm): 0.478174 |
| Total Radiant Flux* (Cool) (W): 0.64447016   | CIE 1931 Tristimulus x (Cool): 0.308186 |
| Total Luminous Flux* (Warm) (lm): 148.438146 | CIE 1931 Tristimulus y (Warm): 0.414489 |
| Total Luminous Flux* (Cool) (lm): 183.758751 | CIE 1931 Tristimulus y (Cool): 0.30945  |
| Color Temperature (Warm) (CCT K): 2492       | CIE 1931 Tristimulus Y (Warm): 0.217333 |
| Color Temperature (Cool) (CCT K): 6977       | CIE 1931 Tristimulus Y (Cool): 0.269047 |
| Duv (Warm): 0.0002284                        | CIE 1976 Chroma u' (Warm): 0.27256      |
| Duv (Cool): -0.0047653                       | CIE 1976 Chroma u' (Cool): 0.202187     |
| CQS (Warm): 83.527675                        | CIE 1976 Chroma v' (Warm): 0.531584     |
| CQS (Cool): 80.797963                        | CIE 1976 Chroma v' (Cool): 0.456788     |
| CRI (Warm): 88.7112075                       |   |
| CRI (Cool): 86.6199135                       |   |

\*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): 627  
Peak Wavelength (Cool) (nm): 451  
Center Wavelength (Warm) (nm): 612  
Center Wavelength (Cool) (nm): 451.5  
Full Width (Warm) (nm): 144  
Full Width (Cool) (nm): 21  
Centroid Wavelength (Warm) (nm): 608.2205  
Centroid Wavelength (Cool) (nm): 544.6096  
Voltage (V): 24

Date of Test: 5/9/14  
Length of Test Sample: 150mm  
Measurement Geometry: 2pi

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

### **R Values of Warm and Cool Diodes**

|                       |                      |
|-----------------------|----------------------|
| R1 (Warm): 89.9036877 | R8 (Warm): 79.47397  |
| R1 (Cool): 89.5667516 | R8 (Cool): 86.70789  |
| R2 (Warm): 91.6723027 | R9 (Warm): 52.71958  |
| R2 (Cool): 88.0446987 | R9 (Cool): 56.54729  |
| R3 (Warm): 90.7035141 | R10 (Warm): 78.31429 |
| R3 (Cool): 81.4241985 | R10 (Cool): 66.98784 |
| R4 (Warm): 90.0476457 | R11 (Warm): 89.99973 |
| R4 (Cool): 89.2480198 | R11 (Cool): 87.72749 |
| R5 (Warm): 87.8253405 | R12 (Warm): 70.98905 |
| R5 (Cool): 87.541044  | R12 (Cool): 53.14476 |
| R6 (Warm): 88.6926547 | R13 (Warm): 90.0835  |
| R6 (Cool): 79.5856289 | R13 (Cool): 89.3903  |
| R7 (Warm): 91.3705422 | R14 (Warm): 93.34038 |
| R7 (Cool): 90.8410812 | R14 (Cool): 89.11138 |

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