

**DATE:** 5/04/09  
**REPORT NUMBER:** ITL62283  
**PREPARED FOR:** Nexxus Lighting, Inc.  
**CATALOG NUMBER:** AE26R16WW60 (Test 1)  
 AE26R16NW60 (Test 2)



Array PAR16

**LAMPS:** Two R-16 style medium base LED lamps with integral LED driver, molded finned white plastic body, one circuit board with 40 white light emitting diodes (LEDs), fabricated metal heat sink, translucent white flat plastic diffuser, vertical base-up position.

**LED DRIVER:** Integrated

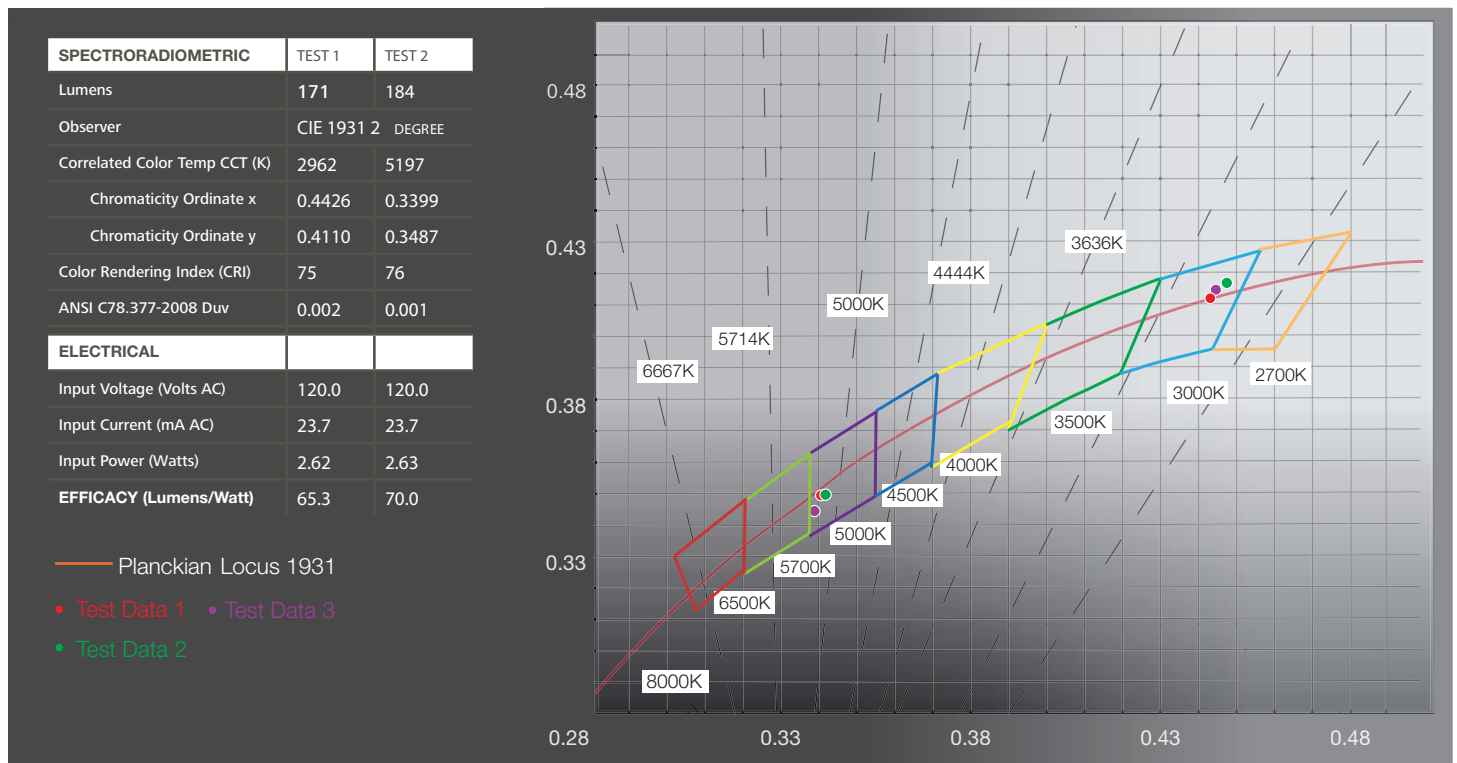
**NOTE:** Data shown is absolute for the sample provided at rated input voltage (120VAC, 60Hz) to the lamp.

**INSTRUMENTATION:** Elgar CW2501 Voltage Regulator  
 Yokogawa WT210 Digital Power Analyzer  
 Optronics OL770 Spectroradiometer  
 ITL 1.5 Meter Diameter Integrating Sphere

**OBJECT OF TEST:** Measure the Absolute Lumens, Correlated Color Temperature (CCT), Color Rendering Index (CRI), ANSI C78.377 Duv, Chromaticity Coordinates (x,y), and input electrical parameters for each lamp.

**PROCEDURE:** The lamps were provided by customer and the LEDs had an unknown number of burn hours. Each lamp was mounted inside the integrating sphere with the LEDs in a base up position (lens down). Each lamp was allowed to stabilize at 120VAC input. After stabilization occurred, lumens, CCT, CRI, ANSI C78.377 Duv, x/y coordinates, and electrical readings were recorded. In order to measure the mean performance, twenty data sets were recorded and averaged within the OL770. Readings were taken with the lamps operating in a 25 +/-1 degree Celsius free air ambient. All data are traceable to the National Institute of Standards and Technology.

**RESULTS:**



**NOTE:** The information in this report has been compiled from the official ITL Boulder test results. No information has been changed, only reformatted to show both photometric and color data on one page. Please contact our customer service department at 704.405.9745 to receive a copy of the original report.