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REPORT NUMBER: ITL62908
DATE: 8/10/09
PREPARED FOR: EDGE LIGHTING

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CATALOG NUMBER: SUN3-**-**-**

LUMINAIRE: CAST METAL HOUSING WITH FINNED UPPER SECTION, ONE CIRCUIT BOARD WITH FOUR LEDS, ONE CLEAR PLASTIC LENS BELOW LEDS WITH MICRO-PRISMATIC BOTTOM, CLEAR FLAT GLASS LENS IN FABRICATED SEMI-DIFFUSE METAL FRAME.

LAMP: ONE CHIP WITH AN ARRAY OF FOUR WHITE LIGHT EMITTING DIODES (LEDs), CHIP HAS A CLEAR HEMISPHERICAL GLASS INTEGRAL LENS, VERTICAL BASE UP POSITION.

LED DRIVER: MDL CORP 319-0002

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER. A 6 FOOT POWER CORD EXTENDS FROM THE LED DRIVER TO THE LED ASSEMBLY.

INSTRUMENTATION: Kikusui PCR500L AC Power Source
Yokogawa WT210 Digital Power Meter
Optronics OL770 Spectroradiometer
ITL 1.5 Meter Diameter Integrating Sphere

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

PROCEDURE: The luminaire was provided by customer and the LEDs had an unknown number of burn hours. The luminaire was mounted inside the integrating sphere with the luminaire in a base up position (LEDs facing down). The luminaire was allowed to stabilize at 120 VAC input. After stabilization occurred, CCT, CRI, x/y chromaticity coordinates, ANSI C78.377 Duv, and input electrical data were measured with the luminaire operating in the integrating sphere. In order to measure the mean performance, twenty data sets were recorded and averaged within the OL770. Readings were taken with the luminaire operating at 120 VAC input in a 25 +/-1 degree Celsius free air ambient and in accordance with IESNA LM-79-08. All data are traceable to the National Institute of Standards and Technology.

RESULTS:

SPECTRORADIOMETRIC	
Observer	CIE 1931 2 degree
Correlated Color Temp CCT (K)	2812
Chromaticity Ordinate x	0.4531
Chromaticity Ordinate y	0.4125
Color Rendering Index (CRI)	80
ANSI C78.377-2008 Duv	0.001
ELECTRICAL	
Input Voltage (Volts AC)	120.0
Input Current (mA AC)	189
Input Power (Watts)	10.3

Checked: <i>N Gully</i>
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