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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955
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REPORT NUMBER: ITL62861
DATE: 8/05/09
PREPARED FOR: BetaLED a Division of Ruud Lighting
CATALOG NUMBER: BXSL0204C-U(525mA)/STR-LWY-2M-HT-04-C-UL

LUMINAIRE: CAST METAL HOUSING WITH CAST METAL ACCESS DOOR, EXTRUDED FINNED METAL HEAT SINK, CAST METAL FORWARD HOUSING PIECE, TWO CIRCUIT BOARDS EACH WITH 20 LEDS AND CAST WHITE PAINTED METAL TRIM PLATE, ONE CLEAR PLASTIC NON-INTEGRAL LENS BELOW EACH LED.

LAMPS: FORTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.

LED DRIVER: ADVANCE LED-INTA-700C-140-F3O

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE LED DRIVER.

INSTRUMENTATION: Yokogawa WT210 Digital Power Meter
Optronic Laboratories OL770 Spectroradiometer
ITL 1.5 meter integrating sphere
Kikusui PCR500L AC Power Source

OBJECT OF TEST: Measure the total flux output in lumens, Correlated Color Temperature (CCT), Color Rendering Index (CRI), Chromaticity Coordinates (x,y), ANSI C78.377 Duv, and input electrical parameters to the LED driver.

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 horizontal position (LEDs facing down). The luminaire was allowed to stabilize at 240 VAC input. After stabilization occurred, lumens, 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 240 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.

NOTE: The total lumen output shown on this report was obtained from photometric test ITL62860.

RESULTS: (continued next page)

Checked:
Approved:

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RESULTS:

PHOTOMETRIC	
Total Integrated Flux (Lumens)	4909
SPECTRORADIOMETRIC	
Observer	CIE 1931 2 degree
Correlated Color Temp CCT (K)	5726
Chromaticity Ordinate x	0.3271
Chromaticity Ordinate y	0.3545
Color Rendering Index (CRI)	73
ANSI C78.377-2008 Duv	0.009
ELECTRICAL	
Luminaire Input Voltage (Volts AC)	240.0
Luminaire Input Current (mA AC)	311
Luminaire Input Power (Watts AC)	71.3
EFFICACY (Lumens/Watt)	69.0