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Report No: L071506101T

Date: 8/6/2015



NVLAP LAB CODE 200927-0

Report No: L071506101T

Prepared For: Prudential Ltg.
1774 E. 21st Street, Los Angeles, CA 90058

Model Number: O-30-LED35-MO-D1

Test: In-Situ Temperature Measurement Test

Standards Used: Appropriate part or all test guidelines were used for test performed:
ANSI/UL 1598-2008 Sec. 19.7, 19.10-16 Luminaires: In-situ Temperature Measurement Test (ISTMT)

Description of Sample: Client submitted the sample. Catalog number is O-30-LED35-MO-D1. Received in working and undamaged condition. No modifications were necessary.

Testing condition: Fixture is tested with no special conditions.

Sample Arrival Date: 7/30/15

Date of Tests: 8/6/15 - 8/6/15

Seasoning of Sample: No seasoning was performed in accordance with ANSI/UL 1598-2008.

Equipment List

Equipment Used	Model No	Stock No	Calibration Due Date
Chroma Programmable AC Source	61604	PS-AC02	--
Yokogawa Digital Power Meter	WT210	MT-EL06-S1	11/10/15
Xitron Power Analysis System	2503AH	MT-EL01	10/20/15
Fluke Digital Thermometer	52k/J	MT-TP02-GC	01/05/16

ISTMT Test Summary

Manufacturer:	Prudential Ltg.
Model Number:	O-30-LED35-MO-D1
Driver Model Number:	OSRAM OPTOTRONIC OT40W/PRG1400C/UNV/DIM
LED Chip/Module Model Number:	NICHIA NFSL757D
Input Voltage (VAC/60Hz):	120.00
Input Current (Amp):	0.37
Input Power (W):	44.61
Input Power Factor:	1.00
Thermocouple #1 (Fig 1) °C:	42.5
Thermocouple #2 (Fig 2) °C:	57.5
Ambient Temperature (°C)*:	25.0
Stabilization Time (Hours):	3:00
Total Operating Time (Hours):	3:30

(*Temperature normalized to 25°C)

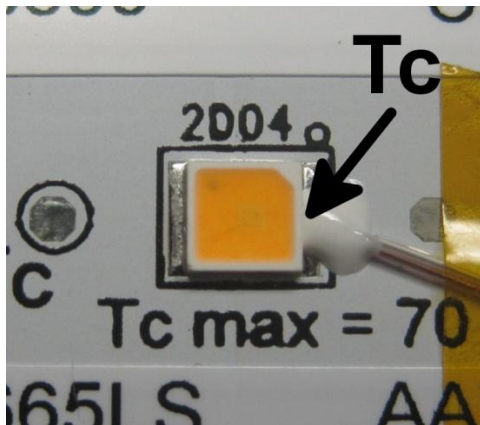


FIG.1 THERMOCOUPLE #1

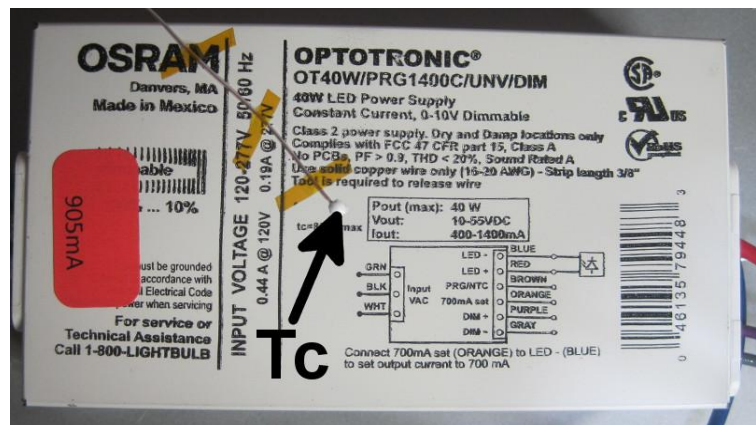


FIG.2 THERMOCOUPLE #2

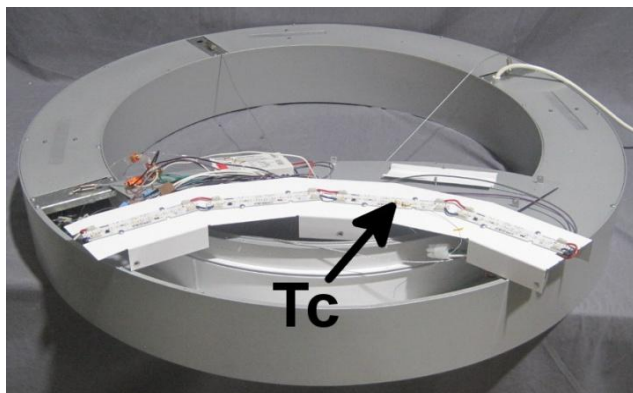


FIG.3 Tc POSITION

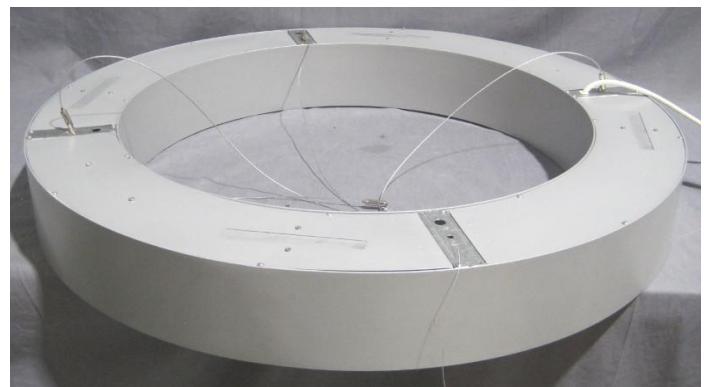


FIG.4 LUMINAIRE



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Test Methods

Temperature Measurements - ISTMT

A Fluke 52K/J Digital Thermometer is used to measure the ambient, LED, and power supply/driver temperature. Ambient temperature is set to 25°C +/- 5°C per ANSI/UL 1598-2008 19.5.1

Ambient temperature is set to 25°C and is measured from the horizontal plane passing through the midpoint of the luminaire's vertical axis at a horizontal distance from the luminaire equal to at least 3 times the luminaire diameter. Temperature is maintained at 25°C throughout the testing process and the sample is stabilized for at least 3 hours and longer as necessary for the sample to achieve stabilization.

Electrical measurements are measured using the listed equipment.

Reported temperature:

Per ANSI/UL 1598-2008 19.5.1, ambient temperature variations above or below 25°C are respectively subtracted from or added to temperatures recorded at points on the luminaire.

Test Report Released by:

Jeff Ahn
Engineering Manager

Test Report Reviewed by:

Steve Kang
Quality Assurance