



Verification Services

Project No: 4786842793-15

Report No: 4786842793-15b

Report Issued Date: 2015-06-04


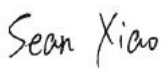
Test Report

| | | | |
|---|-------------|--|--|
| Customer Company & Address: | | | |
| Company Name: Premium Quality Lighting, Inc. | | | |
| ADD: 2285 Ward Avenue / Simi Valley, CA 93065 | | | |
| Telephone: | 18003238107 | | |

| | |
|----------------------------------|---|
| Manufacturer: | Premium Quality Lighting, Inc. |
| Country of Origin: | CHINA |
| Country of Export: | N/A |
| Product Description: | Lamp Type: Four-foot Linear Replacement Lamps Total Amount Of Light Source: 96 Manufacturer Of Light Source: Everlight Electronics Co.,Ltd Model Number Of Light Source: 67-21S Series |
| Model Number: | Model Name: 90540 |
| Electrical Specification: | Rated voltage: 120-277V Frequency: 50/60Hz Wattage: 15 W |

| | | | |
|---|-----------------|-------------|-----------------|
| Test Laboratory & Address: | | | |
| UL Verification Services (Guangzhou) Co., Ltd. | | | |
| ADD: Building A1, 1F & 2F, Nansha Science and Technology Innovation Center, No. 25, South Huanshi Avenue , Nansha District, Guangzhou 511458, China | | | |
| Telephone: | +86 20 28667188 | Fax: | +86 20 83486605 |

| | | | |
|----------------------------------|------------|---------------------|-----------------------|
| Receipt of Test Samples : | 2015-04-30 | Test Period: | 2015-05-23~2015-05-27 |
|----------------------------------|------------|---------------------|-----------------------|

| | |
|---|---|
| Tested By | Approved By |
|  / Jackson Zeng |  / Sean Xiao |
| Test Personnel Name & Signatory | Approval Name & Signatory |

The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

Doc No: 10-CT-F0059

Issue No: 1.1



Verification Services
Project No: 4786842793-15
Report No: 4786842793-15b
Report Issued Date: 2015-06-04

Test Report

Statement of Results

| Test Flow | Test Method | Sample ID (Lab) | Sample Serial No. | Pass/Fail/NA |
|-----------|-------------------------|-----------------|-------------------|----------------------|
| 1. | Integrating Sphere Test | 2125889-S1 | N/A | Evaluate by customer |

Deviation from Test Method (if any)

| |
|-----|
| N/A |
|-----|

Remark (if any)

| |
|--|
| 1. This report shall not be used by the client to claim product endorsement by NVLAP, NIST or any agency of the US government. |
|--|



Verification Services

Project No: 4786842793-15
Report No: 4786842793-15b
Report Issued Date: 2015-06-04

Test Report

Test No.1: Integrating Sphere Test

Environmental Conditions

Temperature: 25.1°C

Test Equipment

| Equipment ID | Equipment Name | Last Calibration Date | Calibration Due Date |
|--------------|---------------------------|-----------------------|----------------------|
| GVS-LE-PE001 | Integrating Sphere | Before Use | Before Use |
| GVS-LE-FS019 | Measurement Standard Lamp | 8/19/2014 | 8/18/2015 |

Test Sample

2125889-S1

Test Method

The sample (bare lamp) was tested according to the IES LM-79-2008. Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25° C ± 1° C.

The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. The sample was operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780 nm.

Test Results

| Test Type | Voltage (V AC) | Frequency (Hz) | Current (A) | Power (W) | Power Factor | Orientation | Operate time (Min.) | Stabilization time (Min.) |
|-----------|----------------|----------------|-------------|-----------|--------------|-------------|---------------------|---------------------------|
| Input | 120.08 | 60 | 0.1455 | 16.866 | 0.965 | Base up | 58 | 50 |

| Test type | CCT (K) | Luminous Flux (lm) | Color Rendering Index Ra | Luminous Efficacy (lm/W) |
|-----------|---------|--------------------|--------------------------|--------------------------|
| Output | 4972 | 2007.092 | 83.1 | 119.002 |



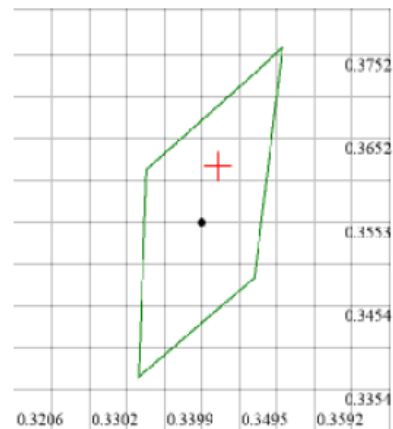
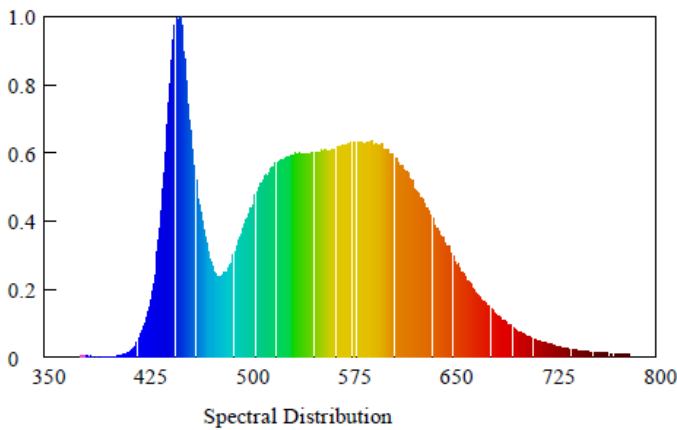
Test Report

Test Condition

Temperature: 25.1°C
Spectrum Range: 380-780 nm

RH: ----%
Scan Step: 1 nm

Spectroradiometric Parameters



Nominal CCT:LED_5000K
x0=0.3468 y0=0.3620

Chromaticity Coordinates: $x=0.3468$ $y=0.3620$ $u'=0.2086$ $v'=0.4899$

Correlated Color Temperature: 4972 K

Dominant Wavelength: 568.0 nm(E)

Luminous Flux: 2007.092 lm

Purity: 0.1264

Chromaticity Difference: +0.00447Duv

Peak Wavelength: 450.9 nm

Color Ratio: $K_r=33.6\%$ $K_g=55.2\%$ $K_b=11.2\%$

Bandwidth: 22.6nm

Radiant Flux: 5.775 W

Rendering Index: Ra=83.1

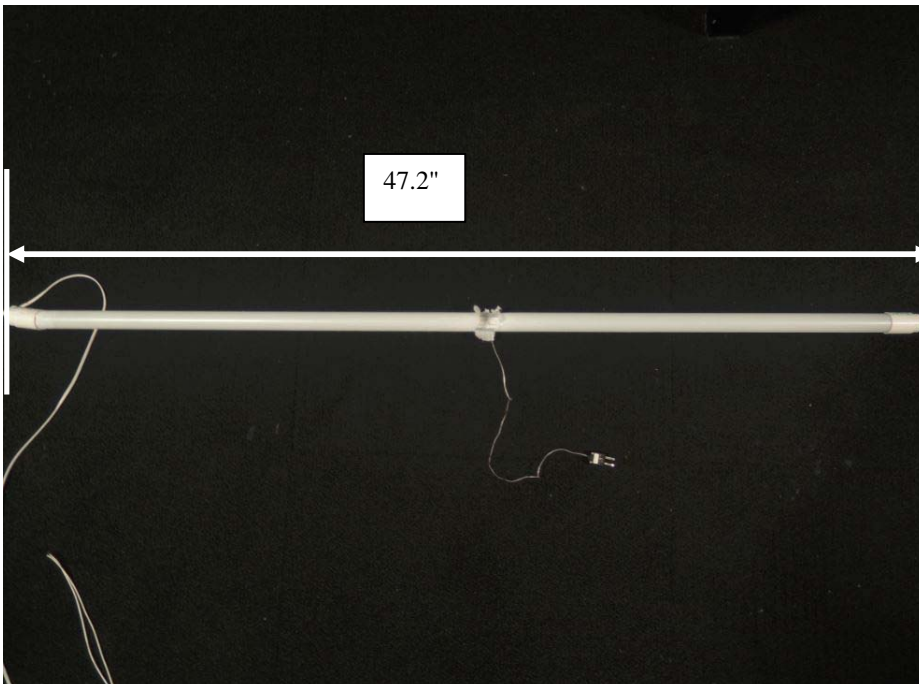
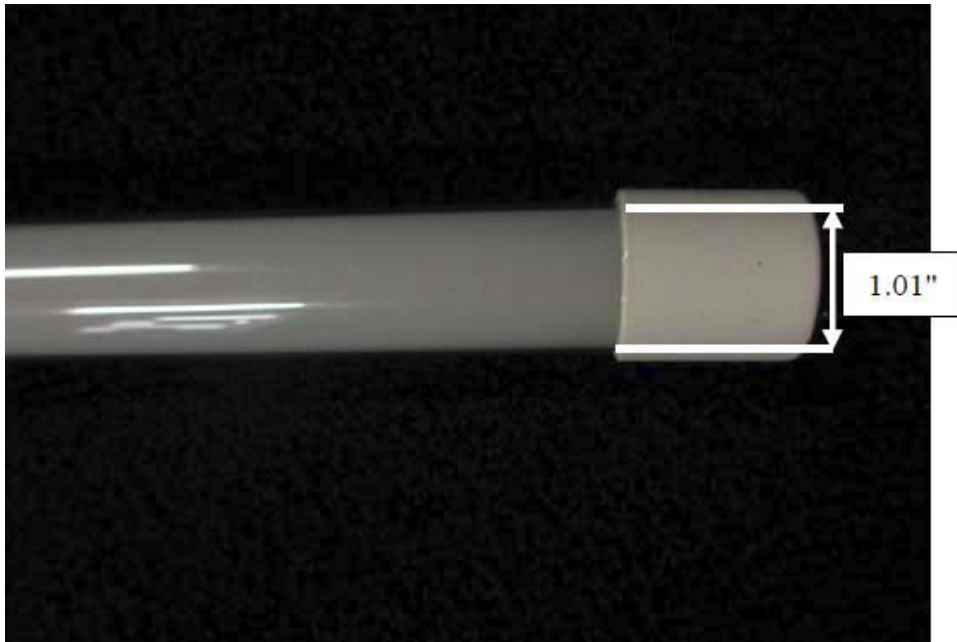
R1=81 R2=87 R3=92 R4=83 R5=81 R6=82 R7=89 | R8=69

R9=10 R10=70 R11=82 R12=56 R13=84 R14=95 R15=75



Test Report

Photos of sample





Verification Services
Project No: 4786842793-15
Report No: 4786842793-15b
Report Issued Date: 2015-06-04

Test Report

*******END OF TEST REPORT*******