



NVLAP Lab Code: 200952-0

Verification Services

Project No: 4786842793-1

Report No: 4786842793-5a

Report Issued Date: 2015-05-29


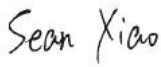
Test Report

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: LED Lamp Total Amount Of Light Source: 60 Manufacturer Of Light Source: Everlight Electronics Co., LTD. Model Number Of Light Source: 67-21S Series
Model Number:	Model Name: 90541
Electrical Specification:	Rated voltage: 100-277V Frequency: 50/60Hz Wattage: 9 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 :	2015-04-29	Test Period:	2015-05-21~2015-05-24
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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.



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Statement of Results

Test Flow	Test Method	Sample ID (Lab)	Sample Serial No.	Pass/Fail/NA
1.	Integrating Sphere Test	2117662-S001	N/A	Evaluate by customer
2.	Total Harmonic Distortion Test	2117662-S001	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.



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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

2117662-S001

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	120.02	60	0.0745	8.752	0.978	Base up	58	50

Test type	CCT (K)	Luminous Flux (lm)	Color Rendering Index Ra	Luminous Efficacy (lm/W)
Output	2908	1029.421	81.9	117.621



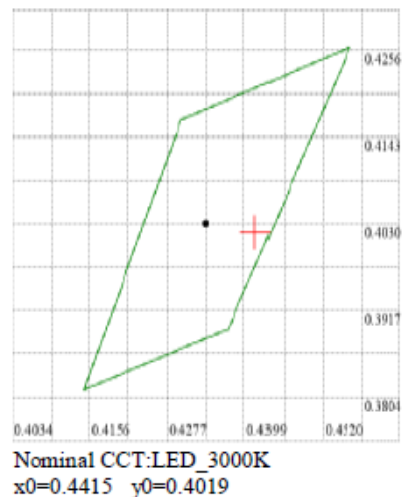
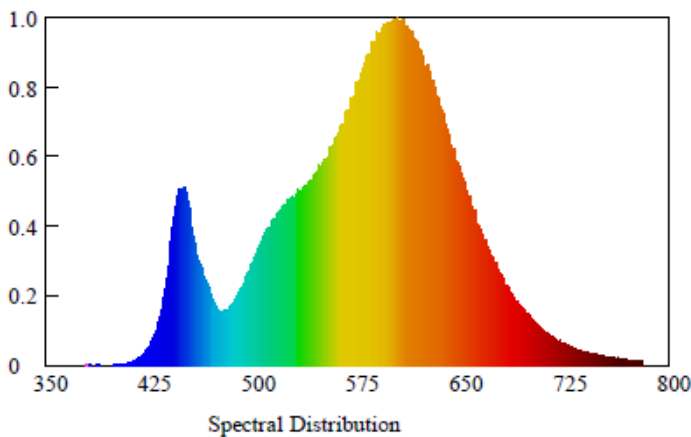
Test Report

Test Condition

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

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

Spectroradiometric Parameters



Chromaticity Coordinates: x=0.4415 y=0.4019 u'=0.2544 v'=0.5212

Correlated Color Temperature: 2908 K

Dominant Wavelength: 582.0 nm(E)

Luminous Flux: 1029.421 lm

Purity: 0.5347

Chromaticity Difference: -0.00145Duv

Peak Wavelength: 603.8 nm

Color Ratio: Kr=46.1% Kg=47.0% Kb=6.9%

Bandwidth: 116.8nm

Radiant Flux: 2.871 W

Rendering Index: Ra=81.9

R1=81 R2=91 R3=96 R4=80 R5=81 R6=89 R7=81 R8=57

R9=3 R10=79 R11=80 R12=72 R13=84 R14=98 R15=73



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Test No. 2: Total Harmonic Distortion Test

Environmental Conditions

Temperature: 25.1°C

Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
GVS-LE-PM010	Digital Power Meter	06/10/2014	06/09/2015
GVS-LE-PS047	Power Supply	----	----

Test Sample

2117662-S001

Test Method

The sample was tested according to the ANSI C82.77-2002. The ambient temperature condition was maintained at 25° C ± 1° C. The sample measurements were made using a digital power meter and power supply. The sample was operated at rated voltage and was stabilized before measurement. The total harmonic distortion were calculated from the digital power meter.

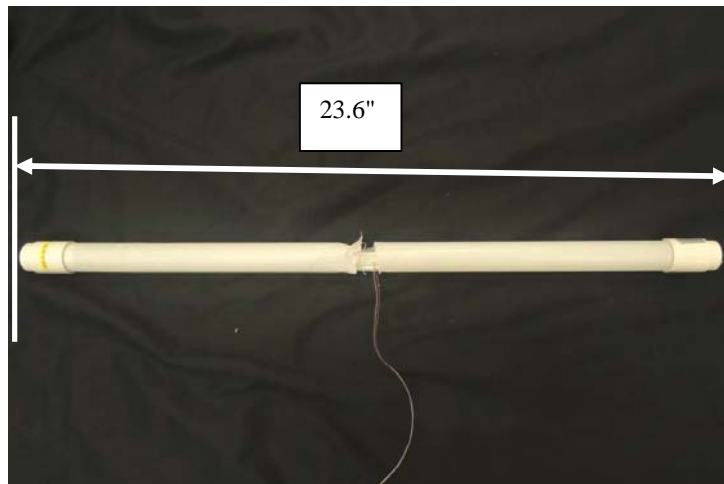
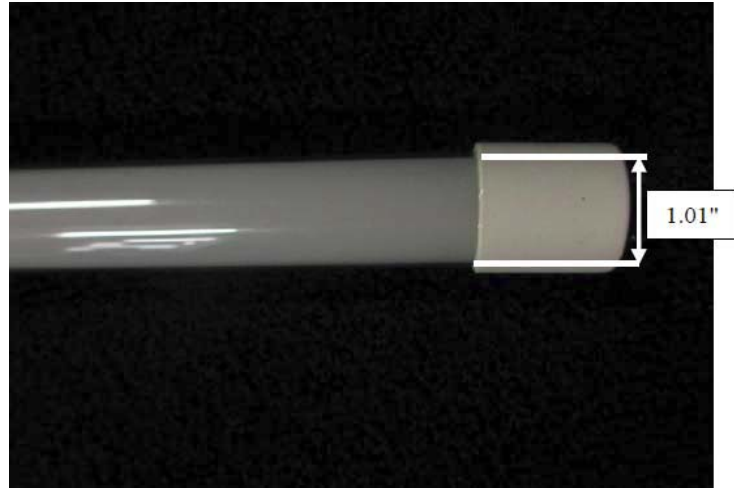
Test Results

Test Type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	Current THD (%)	Operate time (Min.)	Stabilization time (Min.)
Input	277.02	60	0.0363	9.09	0.9039	19.68	58	50



Test Report

Photos of sample





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Test Report

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