UL Verification Services Inc.
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ACCREDITED

NVLAP LAB CODE 201042-0

Photometric Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-2002, UL 1598-2008
CIE 13.3-1995, CIE 15-2004, ANSI C78.377-2015
IES TM-30-2015

Prepared For

LDPI Inc

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Catalog Number

LEINS3-P9-8-3-V1-D2-C2-LGL-RS-535-PB

Order Number
11729723
Test Number
11729723.03

Test Date

2017-05-10 - 2017-05-11

Prepared By

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Approved By

Tiffany Hamm, Project Handler

Table of Contents

Laboratory results may not be representative of field performance
Ballast factors have not been applied

Testing was performed in a 3-meter integrating sphere using the 4π geometry method.

Absorption correction was employed for Sphere measurement

Luminaire Description: Formed black steel housing, upper frosted lens, linear prismatic reflectors, clear glass lens enclosure
Lamp: 1152 White LEDs
Mounting: Pendant
Ballast/Driver: Three Philips Advanced Xitanium XI075C200V054BST1

Luminaire

Summary of Results

Integrating Sphere

Luminous Flux:	20820	Lumens
Efficacy:	99.0	lm/w
CCT:	4343	K
CRI (Ra):	84.7	

Electrical Data at 120 VAC

Test Temperature:	25.7	°C
Voltage:	120.0	VAC
Current:	1.756	A
Power:	210.3	W
Power Factor:	0.998	
Frequency:	60	Hz
Current THD:	5.11	%

In-Situ

LED Temperature:	41.6	°C
Driver Temperature:	57.6	°C
Measured LED Current:	0.05530	A

Temperature is offset to an ambient temperature of 25°C as described in UL1598-2008.

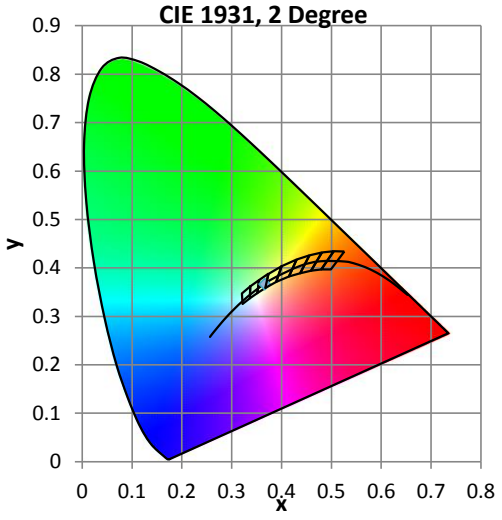
Color Quality - Integrating Sphere

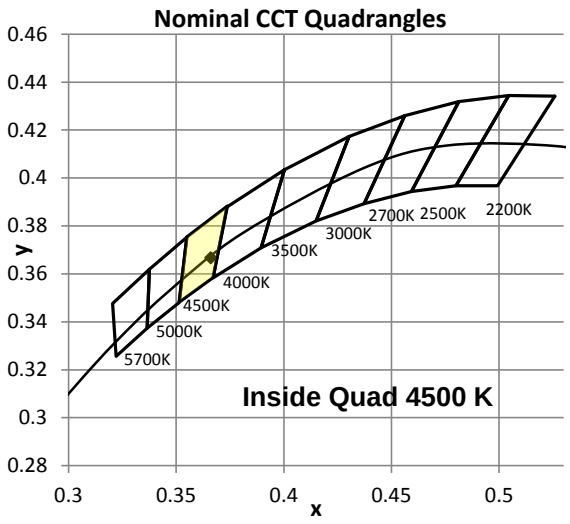
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.7 °C	120.0 VAC	1.756 A	210.3 W	0.998	60 Hz	5.11 %

Summary of Results

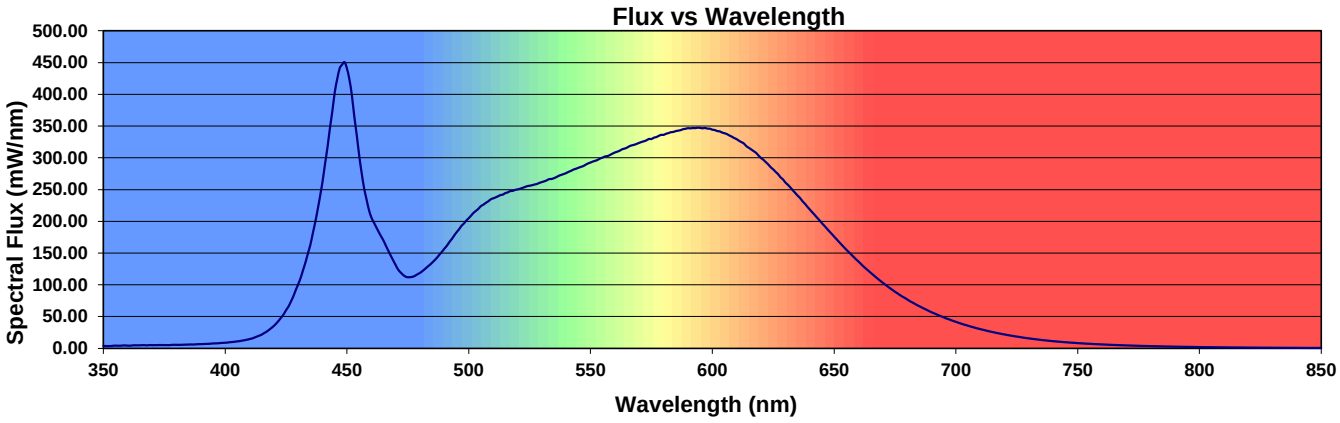
Total Output:	20820 Lumens	**Chromaticity (x):**	0.3662
Efficacy:	99.0 lm/w	**Chromaticity (y):**	0.3666
CCT:	4343 K	**Chromaticity (u'):**	0.2197
CRI (Ra):	84.7	**Chromaticity (v'):**	0.4949
CRI (R9):	14.7	**TM-30 R_f:**	83.9
Peak Wavelength:	448.5 nm	**TM-30 R_g:**	97.2
Dominant Wavelength:	577.9 nm	**Duv:**	-0.0005
S/P Ratio:	1.802		





Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
84.7	83.2	89.6	94.5	84.9	84.0	85.9	87.2	68.2	14.7	75.7	84.8	68.6	84.7	97.1



In-Situ Test

In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
23.3 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Temperature:	41.6	°C
Driver Temperature:	57.6	°C
Measured LED Current:	0.05530	A

Temperatures are offset to an ambient temperature of 25°C as described in UL1598-2008

LED Temperature Location

Driver Temperature Location