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ACCREDITED
Testing Laboratory

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

4404 Anderson Dr
Eau Claire, WI 54703
United States

Catalog Number

LE551-L4-V1-5-D-V

Order Number
12369265
Test Number
12369265.04

Test Date

2018-06-26 - 2018-06-28

Prepared By

Jesse Litchfield, Technician

Approved By

Kevin Rodriguez, Project Handler

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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 aluminum housing, clear/frosted glass lens enclosures
Lamp: 180 white LEDs
Mounting: Pendant
Ballast/Driver: One Inventronics EUD-096S210DTA driver

Luminaire

Summary of Results

Integrating Sphere

Luminous Flux:	7085	Lumens
Efficacy:	114.8	lm/w
CCT:	4940	K
CRI (Ra):	83.7	

Electrical Data at 277 VAC

Test Temperature:	25.1	°C
Voltage:	277.0	VAC
Current:	0.2407	A
Power:	61.40	W
Power Factor:	0.921	
Frequency:	60	Hz
Current THD:	15.6	%

In-Situ

LED Temperature:	54.5	°C
Driver Temperature:	40.3	°C
Measured LED Current:	0.05260	A

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

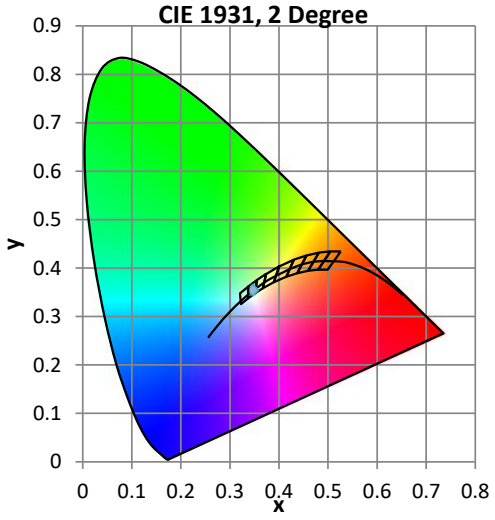
Color Quality - Integrating Sphere

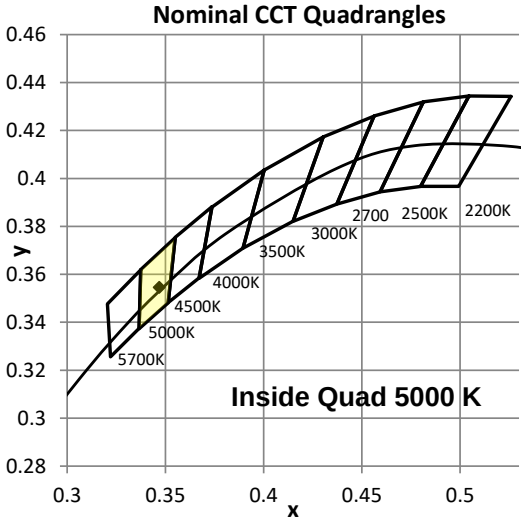
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.5186 A	61.71 W	0.992	60 Hz	7.51 %

Summary of Results

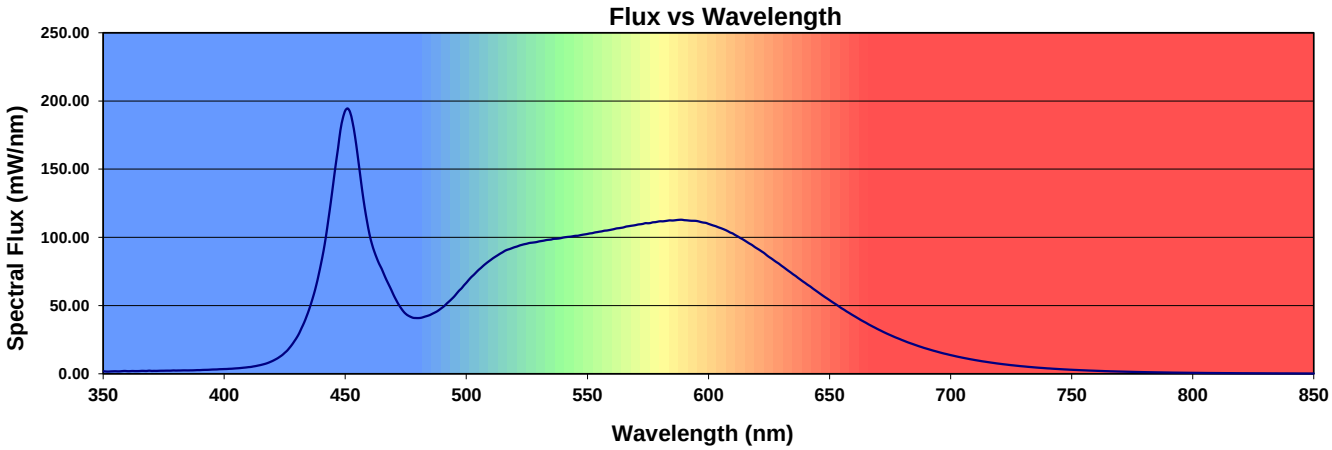
Total Output:	7085	Lumens	**Chromaticity (x):**	0.3469
Efficacy:	114.8	lm/w	**Chromaticity (y):**	0.3546
CCT:	4940	K	**Chromaticity (u'):**	0.2115
CRI (Ra):	83.7		**Chromaticity (v'):**	0.4864
CRI (R9):	12.4		**TM-30 Rf:**	82
Peak Wavelength:	451	nm	**TM-30 Rg:**	96.5
Dominant Wavelength:	573	nm	**Duv:**	0.0007
S/P Ratio:	1.94			





Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83.7	82.3	88.4	92.4	83.6	82.3	83.2	88.0	69.0	12.4	72.0	82.9	58.1	83.9	96.0	76.6



In-Situ Test

In-Situ Test Conditions

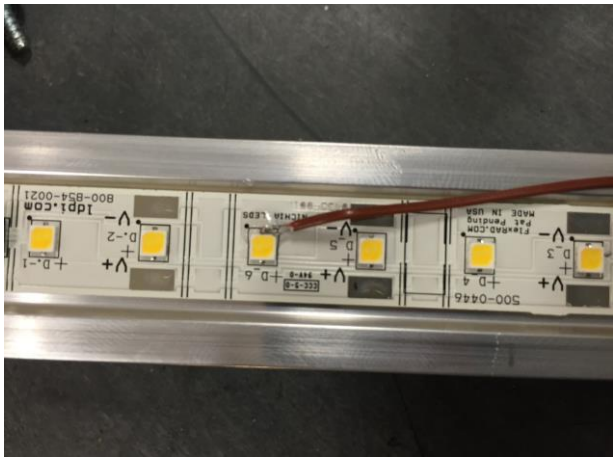
Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
22.3 °C	121.8 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Temperature:	54.5 °C
Driver Temperature:	40.3 °C
Measured LED Current:	0.05260 A

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

LED Temperature Location



Thermocouple Reference

Driver Temperature Location