REPORT

25800 COMMERCENTRE DRIVE, LAKE FOREST, CA 92630

Project No. G104503052 Date: November 6, 2020

REPORT NO. 104503052LAX-001

TEST OF ONE INDIRECT LED LUMINAIRE

MODEL NO. BPRO2-LED35-SO-NW-SYM-ADC
LED MODEL NO. LUMILEDS 2835
DRIVER MODEL NO. OSRAM OTI 50/120-277/1A4 DIM-1 L G2 - 868MA

RENDERED TO

PRUDENTIAL LIGHTING
1774 EAST 21ST
LOS ANGELES, CA 90058

STATEMENT OF LIMITATION: This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

TEST: Electrical and Photometric tests as required to the IESNA test standard.

AUTHORIZATION: The testing performed was authorized by signed quote number Qu-01120100-0.

STANDARDS USED: The following American National Standards or Illuminating Engineering Society of North America Test Guides were used in part or totally to test each specimen:

IESNA LM-79 - 2008: Electrical and Photometric Measurements of Solid State Lighting

DESCRIPTION OF SAMPLE: The client submitted one Prototype sample of model number BPRO2-LED35-SO-NW-SYM-ADC. The sample was received by Intertek on October 15, 2020, in undamaged condition and one sample was tested as received. The sample designation was LAN2010151201-003 .

DATES OF TESTS: November 6, 2020

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SUMMARY

Model No.:	BPRO2-LED35-SO-NW-SYM-ADC
Description:	Indirect LED Luminaire

Criteria	Result
Total Lumen Output (Lumens)	4332
Total Power (W)	32.74
Luminaire Efficacy (LPW)	132.3
Power Factor	0.981

EQUIPMENT LIST

Equipment Used	Model Number	Control Number	Last Date Calibrated	Calibration Due Date	Date Used
Goniophotometer	6440T	000943	VBU	VBU	11/06/20
AC Source	CW1251P	000944	VBU	VBU	11/06/20
Power Analyzer	WT210	000945	09/29/20	09/29/21	11/06/20
Tape Measure	33-428	001491	VBU	VBU	11/06/20
Magnetic Level	581-9	001610	10/21/20	10/21/21	11/06/20
Temp. & RH Meter	971	002137	10/13/20	10/13/21	11/06/20
Thermometer	DPi8-C24	001782	10/09/20	10/09/21	11/06/20

TEST METHODS

Seasoning in Sample Orientation – LED Products

No seasoning was performed in accordance with IESNA LM-79.

Photometric and Electrical Measurements – Distribution Method

A LSI Type C High Speed Model 6440 Mirror Goniometer was used to measure the intensity (candelas) at each angle of distribution for each sample.

Ambient temperature was measured equal to the height of the sample mounted on the Goniometer equipment. Each sample was operated at input rated voltage in its designated orientation. Each sample was allowed to stabilize for at least thirty minutes before measurements were made. Electrical measurements including voltage, current, and power were measured using the Xitron or Yokogawa Power Analyzer.

Some graphics were created with Photometrics Plus software.

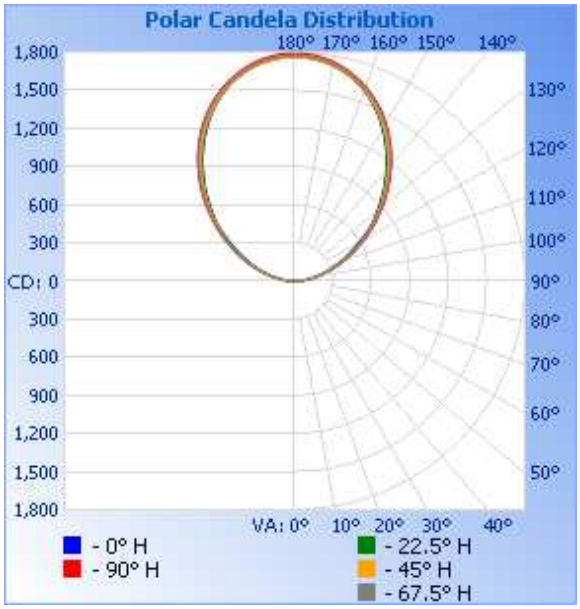
RESULTS OF TEST

Photometric and Electrical Measurements at Ambient Temperature (25°C +/- 1°C) – Distribution Method

Intertek Sample No.	Base Orientation	Input Voltage {Vac}	Input Current (mA)	Input Power (Watts)	Input Power Factor	Absolute Luminous Flux (Lumens)	Lumen Efficacy (LPW)
LAN2010151201-003	Down	120.0	278.2	32.74	0.981	4332	132.3

Intensity (Candlepower) Summary at 25°C - Candelas

Angle	0	22.5	45	67.5	90
0	0	0	0	0	0
5	0	0	0	0	0
10	0	0	0	0	0
15	0	0	0	0	0
20	0	0	0	0	0
25	0	0	0	0	0
30	0	0	0	0	0
35	0	0	0	0	0
40	0	0	0	0	0
45	0	0	0	0	0
50	0	0	0	0	0
55	0	0	0	0	0
60	0	0	0	0	0
65	0	0	0	0	0
70	0	0	0	0	0
75	0	0	0	0	0
80	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0
95	61	62	65	67	69
100	137	139	145	150	154
105	225	229	238	249	252
110	325	331	343	355	361
115	436	444	465	473	483
120	560	573	595	600	613
125	706	715	723	734	750
130	840	842	855	875	891
135	976	980	993	1018	1034
140	1113	1117	1132	1158	1174
145	1248	1255	1267	1292	1308
150	1377	1383	1392	1414	1429
155	1494	1499	1502	1522	1537
160	1591	1594	1594	1611	1628
165	1668	1670	1667	1682	1699
170	1723	1723	1719	1734	1751
175	1755	1755	1750	1765	1782
180	1770	1770	1770	1770	1770

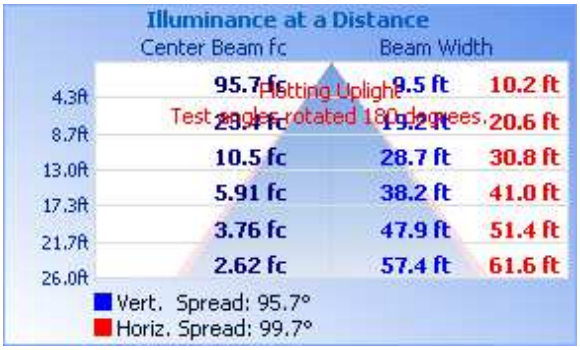


RESULTS OF TEST (cont'd)

Illumination Plots

Mounting Height: 10 ft.

Illuminance - Cone of Light



Isoillumination Plot



Zonal Lumen Summary and Percentages at 25°C

Zone	Lumens	% Luminaire
0-30	0.0	0.0
0-40	0.0	0.0
0-60	0.0	0.0
60-90	0.0	0.0
0-90	0.0	0.0
90-180	4332	100.0
0-180	4332	100.0

Spacing Criterion at 25°C

Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.

Zonal Lumens and Percentages at 25°C

Zone	Lumens	% Luminaire
0-10	0.0	0.0
10-20	0.0	0.0
20-30	0.0	0.0
30-40	0.0	0.0
40-50	0.0	0.0
50-60	0.0	0.0
60-70	0.0	0.0
70-80	0.0	0.0
80-90	0.0	0.0
90-100	73.4	1.7
100-110	253.1	5.8
110-120	456.8	10.5
120-130	647.4	14.9
130-140	771.0	17.8
140-150	795.9	18.4
150-160	694.9	16.0
160-170	472.5	10.9
170-180	167.1	3.9

PICTURES (not to scale)



CONCLUSION

The results tabulated in this report are representative of the actual test samples submitted for this report only. The data is provided to the client for further evaluation. Compliance to the referenced specification requirements was not determined in this report.

In Charge Of Tests:

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Report Reviewed By:

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Attachment: None