

# PRUDENTIAL LIGHTING TEST REPORT

## SCOPE OF WORK

LED Performance Testing

## MODEL NUMBER

Gaze-48-LED35-HO-D9

## PROJECT NUMBER

G105127679

## REPORT NUMBER

105127679LAX-006

## ISSUE DATE

June 24, 2022

## REVISED DATE

None

## TEST DATES

June 24, 2022

## DOCUMENT CONTROL NUMBER

RTTDS-R-AMER-Test-3407

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**REPORT NUMBER**

105127679LAX-006

**MODEL NUMBER(s)**

GAZE-48-LED35-HO-D9

**REPORT RENDERED TO:**

PRUDENTIAL LIGHTING  
1774 EAST 21ST  
LOS ANGELES, CA 90058

**STATEMENT OF LIMITATION**

NVLAP Lab Code 600221-0. 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.

**AUTHORIZATION**

The testing performed was authorized by signed quote number Qu-01185794-0.

**TEST STANDARDS**

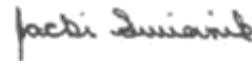
IESNA LM-79 - 2008: Electrical and Photometric Measurements of Solid State Lighting

In Charge of Testing:



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Reviewer:



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**SAMPLE INFORMATION**

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**ITEMS RECEIVED**

Item No.	Control No.	Model No.	Description	Type	Received
1	LAN2206201340-001a	Gaze-48-LED35-HO-D9	Indirect only	Prototype	06/20/22

**TESTED SAMPLE CONFIGURATIONS**

Config No.	Tested Model No.	Item Nos. Utilized
1	Gaze-48-LED35-HO-D9	1

**SAMPLE PHOTOS - TESTED CONFIGURATIONS**



**SUMMARY**

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**PRODUCT INFORMATION AND SUMMARY OF DATA**

Product Model No.:	Gaze-48-LED35-HO-D9
Product Description:	Indirect only
LED Model No.:	Lumileds 2835
Driver Model No.:	Iota ILB-SL-CP08-HE
Light Source:	LED

Criteria	Results
Light Output (lumens)	6659.0
Input Power (W) @ 120 (Vac)	99.17
Lumen Efficacy (lm/W)	67.1
Input Power Factor ( ) @ 120 (Vac)	0.988

**TEST METHODS**

**SEASONING IN SAMPLE ORIENTATION - LED PRODUCTS**

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

**TYPE C GONIOPHOTOMETER DISTRIBUTION TESTING**

A Type C Mirror Goniophotometer system was used to measure the luminous intensity (candela) at each angle of distribution for the EUT. Electrical measurements of the unit were measured using a power analyzer. Each EUT was operated at the rated input voltage of the system in its designated orientation. The ambient temperature was measured at a position near the EUT at equal height and stabilization procedures to LM-79 were followed.

**TYPE C GONIOPHOTOMETER DISTRIBUTION TESTING**

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Test Configuration	Tested Model No.	Pass/Fail/NA
1	Gaze-48-LED35-HO-D9	NA

**PHOTOMETRIC AND ELECTRICAL MEASUREMENTS (25°C +/- 1°C)**

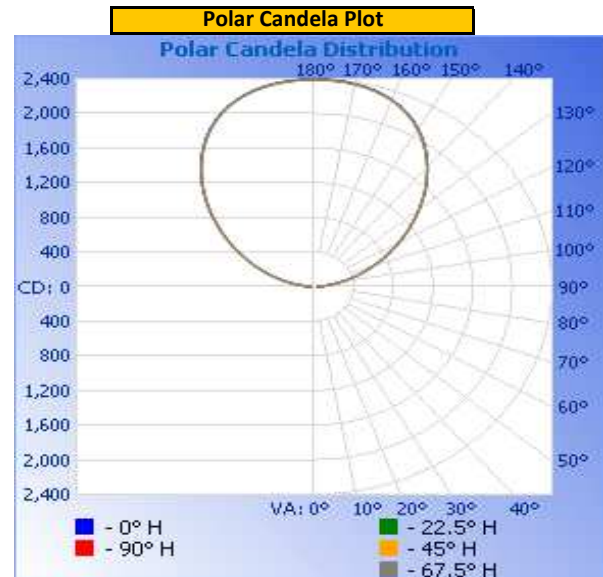
Base Orientation	Input Voltage (Vac)	Input Current (mA)	Input Power (W)	Input Power Factor (I)	Input ATHD(%)
Up	120.00	836.8	99.17	0.988	8.1

Light Output (lm)	Lumen Efficacy (lm/W)
6659.0	67.1

**INTENSITY SUMMARY - CANDELA**

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	87	84	82	80	78
100	226	224	222	223	223
105	394	392	393	393	395
110	573	571	572	573	573
115	761	758	759	762	761
120	962	959	961	962	962
125	1169	1167	1167	1169	1168
130	1381	1375	1377	1378	1379
135	1588	1581	1583	1583	1584
140	1782	1775	1773	1777	1776
145	1956	1948	1947	1949	1949
150	2102	2095	2092	2094	2094
155	2217	2210	2207	2208	2207
160	2298	2292	2289	2289	2290
165	2350	2344	2342	2342	2342
170	2379	2374	2372	2372	2373
175	2393	2389	2387	2388	2388
180	2393	2393	2393	2393	2393

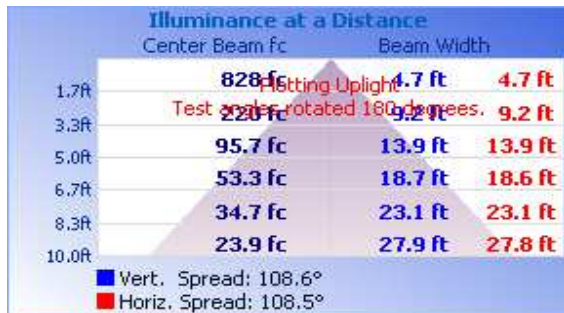
Entire luminous intensity matrix found in .IES file



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ILLUMINANCE SUMMARY

Mounting Height: 10ft
Illuminance - Cone Of Light



ZONAL LUMENS

**Zonal Lumen Summary**

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%
70-100	101.7	1.5%
90-120	1,273.2	19.1%
0-90	0.0	0.0%
90-180	6,659.0	100.0%
0-180	6,659.0	100.0%

Zone	Lumens	Total	Zone	Lumens	Total
0-10	0.0	0.0%	90-100	101.7	1.5%
10-20	0.0	0.0%	100-110	416.5	6.3%
20-30	0.0	0.0%	110-120	755.1	11.3%
30-40	0.0	0.0%	120-130	1044.2	15.7%
40-50	0.0	0.0%	130-140	1219.3	18.3%
50-60	0.0	0.0%	140-150	1216.6	18.3%
60-70	0.0	0.0%	150-160	1016.5	15.3%
70-80	0.0	0.0%	160-170	661.7	9.9%
80-90	0.0	0.0%	170-180	227.5	3.4%

**EQUIPMENT LIST**

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#	Equipment	Model No	Control No.	Last Cal	Cal Due
1	Goniophotometer	6440T	000943	06/21/22	07/21/22
2	AC Source	CW1251P	000944	VBV	VBV
3	Power Analyzer	WT210	000945	09/21/21	09/21/22
4	Tape Measure	33-428	002225	ICO	ICO
5	Thermometer	DPi8-C24	001782	09/22/21	09/22/22
6	Magnetic Level	581-9	001610	10/05/21	10/05/22
7	Temp. & RH Meter	971	002137	09/20/21	09/20/22

**REVISION HISTORY**

#	Revision Date	Updated By	Reviewed BY	Description of Change
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