

PRUDENTIAL LIGHTING TEST REPORT

SCOPE OF WORK

LED Performance Testing

MODEL NUMBER

Gaze-48-LED35-LO-D9

PROJECT NUMBER

G105127679

REPORT NUMBER

105127679LAX-005

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-005

MODEL NUMBER(s)

GAZE-48-LED35-LO-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

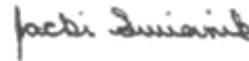
IESNA LM-79 - 2008: Electrical and Photometric Measurements of Solid State Lighting

In Charge of Testing:



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Reviewer:



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SAMPLE INFORMATION

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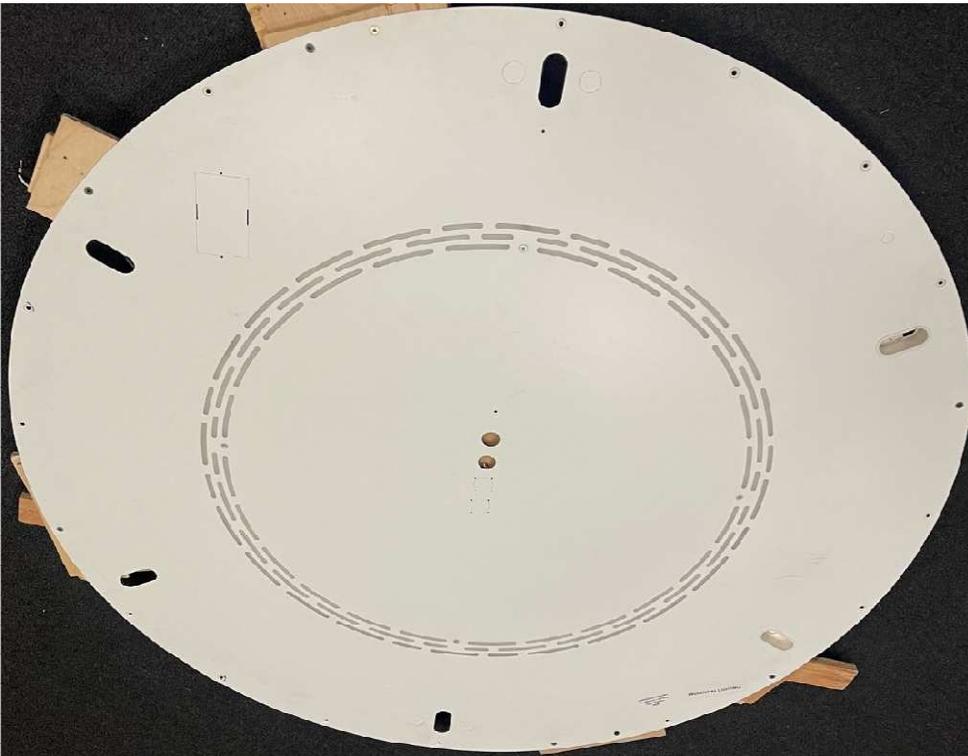
ITEMS RECEIVED

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

TESTED SAMPLE CONFIGURATIONS

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

SAMPLE PHOTOS - TESTED CONFIGURATIONS



SUMMARY

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PRODUCT INFORMATION AND SUMMARY OF DATA

Product Model No.:	Gaze-48-LED35-LO-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)	1211.2
Input Power (W) @ 120 (Vac)	16.42
Lumen Efficacy (lm/W)	73.8
Input Power Factor () @ 120 (Vac)	0.989

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-LO-D9	NA

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

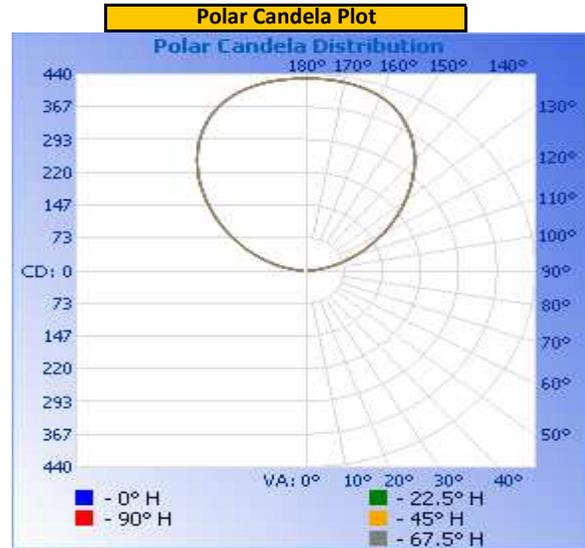
Base Orientation	Input Voltage (Vac)	Input Current (mA)	Input Power (W)	Input Power Factor ()	Input ATHD(%)
Up	119.98	138.4	16.42	0.989	6.9

Light Output (lm)	Lumen Efficacy (lm/W)
1211.2	73.8

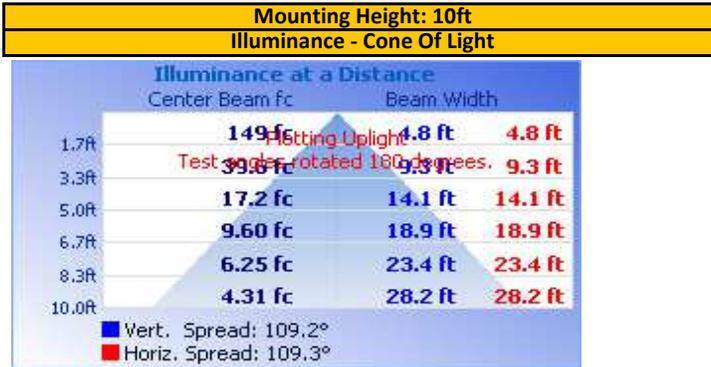
INTENSITY SUMMARY - CANDELA

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	16	15	15	14	14
100	41	41	40	40	41
105	71	71	71	71	71
110	103	103	103	104	104
115	138	138	138	138	139
120	175	174	175	175	176
125	212	212	212	213	213
130	251	251	251	252	252
135	289	289	289	289	289
140	324	324	324	324	324
145	356	356	356	356	356
150	382	382	382	382	381
155	402	402	402	402	401
160	416	416	416	416	415
165	424	424	424	424	424
170	429	428	428	428	428
175	430	430	430	430	430
180	431	431	431	431	431

Entire luminous intensity matrix found in .IES file



ILLUMINANCE SUMMARY



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	18.5	1.5%
90-120	230.7	19.0%
0-90	0.0	0.0%
90-180	1,211.2	100.0%
0-180	1,211.2	100.0%

Zone	Lumens	Total	Zone	Lumens	Total
0-10	0.0	0.0%	90-100	18.5	1.5%
10-20	0.0	0.0%	100-110	75.3	6.2%
20-30	0.0	0.0%	110-120	137.0	11.3%
30-40	0.0	0.0%	120-130	190.2	15.7%
40-50	0.0	0.0%	130-140	222.6	18.4%
50-60	0.0	0.0%	140-150	222.0	18.3%
60-70	0.0	0.0%	150-160	184.9	15.3%
70-80	0.0	0.0%	160-170	119.7	9.9%
80-90	0.0	0.0%	170-180	41.0	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	VBU	VBU
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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