

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : GAZE-36-48-LED35-MO-D9.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 105127679LAX-005  
[TESTLAB] Intertek  
[ISSUE DATE] 06/27/2022  
[MANUFAC] Prudential Lighting  
[LUMCAT] Gaze-48-LED35-MO-D9  
[OTHER] Input Electricals:

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	34
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	2.00 ft (Diameter)
Luminous Width (90-270)	2.00 ft (Diameter)
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
<b>0.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>2.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>5.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>7.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>10.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>12.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>15.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>17.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>20.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>22.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>25.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>27.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>30.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>32.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>37.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>40.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>42.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>45.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>47.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>50.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>52.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>55.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>57.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>60.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>62.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>65.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>67.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>70.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>72.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>75.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>77.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>80.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>82.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>85.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>87.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>90.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>92.5</b>	12.8	12.2	12.2	11.2	10.8	11.2	12.2	12.2	12.8	12.2
<b>95.0</b>	31.2	30.4	30.0	29.0	28.8	29.0	30.0	30.4	31.2	30.4
<b>97.5</b>	55.0	54.0	53.4	52.8	52.4	52.8	53.4	54.0	55.0	54.0
<b>100.0</b>	81.8	81.2	81.0	80.8	81.2	80.8	81.0	81.2	81.8	81.2
<b>102.5</b>	111.8	111.2	111.8	111.6	112.0	111.6	111.8	111.2	111.8	111.2
<b>105.0</b>	142.2	141.8	142.4	142.4	142.4	142.4	142.4	141.8	142.2	141.8
<b>107.5</b>	173.2	173.0	174.0	174.0	174.4	174.0	174.0	173.0	173.2	173.0
<b>110.0</b>	205.8	205.8	206.6	207.0	207.0	207.0	206.6	205.8	205.8	205.8
<b>112.5</b>	240.2	239.8	240.6	241.2	241.6	241.2	240.6	239.8	240.2	239.8
<b>115.0</b>	276.0	275.4	276.2	276.8	277.6	276.8	276.2	275.4	276.0	275.4
<b>117.5</b>	312.6	312.0	313.0	313.2	314.2	313.2	313.0	312.0	312.6	312.0
<b>120.0</b>	349.6	348.8	350.0	350.2	351.2	350.2	350.0	348.8	349.6	348.8
<b>122.5</b>	387.0	386.4	387.0	388.0	388.6	388.0	387.0	386.4	387.0	386.4
<b>125.0</b>	425.0	424.8	424.8	426.2	426.4	426.2	424.8	424.8	425.0	424.8
<b>127.5</b>	463.6	463.4	463.2	464.6	464.8	464.6	463.2	463.4	463.6	463.4
<b>130.0</b>	502.6	502.0	502.2	503.0	503.4	503.0	502.2	502.0	502.6	502.0
<b>132.5</b>	541.0	540.6	540.6	541.2	541.6	541.2	540.6	540.6	541.0	540.6

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**CANDELA TABULATION - (Cont.)**

135.0	578.4	578.2	577.8	578.6	578.8	578.6	577.8	578.2	578.4	578.2
137.5	614.4	614.0	613.6	614.2	614.2	614.2	613.6	614.0	614.4	614.0
140.0	649.0	648.4	647.8	648.8	648.2	648.8	647.8	648.4	649.0	648.4
142.5	681.8	681.2	680.8	681.2	680.8	681.2	680.8	681.2	681.8	681.2
145.0	712.4	711.8	711.4	711.6	711.2	711.6	711.4	711.8	712.4	711.8
147.5	740.0	739.4	739.2	738.8	738.6	738.8	739.2	739.4	740.0	739.4
150.0	764.4	764.0	763.4	763.4	762.6	763.4	763.4	764.0	764.4	764.0
152.5	786.0	785.6	784.8	784.8	784.0	784.8	784.8	785.6	786.0	785.6
155.0	804.4	804.0	803.2	803.4	802.4	803.4	803.2	804.0	804.4	804.0
157.5	819.8	819.2	818.6	818.6	817.8	818.6	818.6	819.2	819.8	819.2
160.0	832.2	831.6	831.0	831.0	830.2	831.0	831.0	831.6	832.2	831.6
162.5	841.6	841.2	840.6	840.6	840.0	840.6	840.6	841.2	841.6	841.2
165.0	848.6	848.2	847.8	847.8	847.0	847.8	847.8	848.2	848.6	848.2
167.5	853.8	853.2	853.0	853.0	852.2	853.0	853.0	853.2	853.8	853.2
170.0	857.4	857.0	856.6	856.8	856.0	856.8	856.6	857.0	857.4	857.0
172.5	859.8	859.6	859.2	859.6	858.6	859.6	859.2	859.6	859.8	859.6
175.0	861.0	860.8	860.6	861.0	860.4	861.0	860.6	860.8	861.0	860.8
177.5	861.6	861.6	861.4	861.6	861.0	861.6	861.4	861.6	861.6	861.6
180.0	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6	861.6

**Vert. Angles**      **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA TABULATION - (Cont.)**

82.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5	12.2	11.2	10.8	11.2	12.2	12.2	12.8
95.0	30.0	29.0	28.8	29.0	30.0	30.4	31.2
97.5	53.4	52.8	52.4	52.8	53.4	54.0	55.0
100.0	81.0	80.8	81.2	80.8	81.0	81.2	81.8
102.5	111.8	111.6	112.0	111.6	111.8	111.2	111.8
105.0	142.4	142.4	142.4	142.4	142.4	141.8	142.2
107.5	174.0	174.0	174.4	174.0	174.0	173.0	173.2
110.0	206.6	207.0	207.0	207.0	206.6	205.8	205.8
112.5	240.6	241.2	241.6	241.2	240.6	239.8	240.2
115.0	276.2	276.8	277.6	276.8	276.2	275.4	276.0
117.5	313.0	313.2	314.2	313.2	313.0	312.0	312.6
120.0	350.0	350.2	351.2	350.2	350.0	348.8	349.6
122.5	387.0	388.0	388.6	388.0	387.0	386.4	387.0
125.0	424.8	426.2	426.4	426.2	424.8	424.8	425.0
127.5	463.2	464.6	464.8	464.6	463.2	463.4	463.6
130.0	502.2	503.0	503.4	503.0	502.2	502.0	502.6
132.5	540.6	541.2	541.6	541.2	540.6	540.6	541.0
135.0	577.8	578.6	578.8	578.6	577.8	578.2	578.4
137.5	613.6	614.2	614.2	614.2	613.6	614.0	614.4
140.0	647.8	648.8	648.2	648.8	647.8	648.4	649.0
142.5	680.8	681.2	680.8	681.2	680.8	681.2	681.8
145.0	711.4	711.6	711.2	711.6	711.4	711.8	712.4
147.5	739.2	738.8	738.6	738.8	739.2	739.4	740.0
150.0	763.4	763.4	762.6	763.4	763.4	764.0	764.4
152.5	784.8	784.8	784.0	784.8	784.8	785.6	786.0
155.0	803.2	803.4	802.4	803.4	803.2	804.0	804.4
157.5	818.6	818.6	817.8	818.6	818.6	819.2	819.8
160.0	831.0	831.0	830.2	831.0	831.0	831.6	832.2
162.5	840.6	840.6	840.0	840.6	840.6	841.2	841.6
165.0	847.8	847.8	847.0	847.8	847.8	848.2	848.6
167.5	853.0	853.0	852.2	853.0	853.0	853.2	853.8
170.0	856.6	856.8	856.0	856.8	856.6	857.0	857.4
172.5	859.2	859.6	858.6	859.6	859.2	859.6	859.8
175.0	860.6	861.0	860.4	861.0	860.6	860.8	861.0
177.5	861.4	861.6	861.0	861.6	861.4	861.6	861.6
180.0	861.6	861.6	861.6	861.6	861.6	861.6	861.6

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	187.54	N.A.	7.70
90-120	461.58	N.A.	19.00
90-130	842.17	N.A.	34.80
90-150	1731.91	N.A.	71.50
90-180	2423.45	N.A.	100.00
110-180	2235.91	N.A.	92.30
0-180	2423.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	36.92
100-110	150.62
110-120	274.04
120-130	380.59
130-140	445.45
140-150	444.28
150-160	369.93
160-170	239.57
170-180	82.04

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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	
0	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

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**POLAR GRAPH**