

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GAZE-36-48-LED35-SO-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-SO-D9
[OTHER] Input Electricals:

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4847
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	69
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>
0.0	0.0	0.0	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	0.0	0.0	0.0
5.0	0.0	0.0	0.0	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	0.0	0.0	0.0
10.0	0.0	0.0	0.0	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	0.0	0.0	0.0
15.0	0.0	0.0	0.0	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	0.0	0.0	0.0
20.0	0.0	0.0	0.0	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	0.0	0.0	0.0
25.0	0.0	0.0	0.0	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	0.0	0.0	0.0
30.0	0.0	0.0	0.0	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	0.0	0.0	0.0
35.0	0.0	0.0	0.0	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	0.0	0.0	0.0
40.0	0.0	0.0	0.0	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	0.0	0.0	0.0
45.0	0.0	0.0	0.0	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	0.0	0.0	0.0
50.0	0.0	0.0	0.0	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	0.0	0.0	0.0
55.0	0.0	0.0	0.0	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	0.0	0.0	0.0
60.0	0.0	0.0	0.0	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	0.0	0.0	0.0
65.0	0.0	0.0	0.0	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	0.0	0.0	0.0
70.0	0.0	0.0	0.0	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	0.0	0.0	0.0
75.0	0.0	0.0	0.0	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	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5	0.0	0.0	0.0	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	0.0	0.0	0.0
87.5	0.0	0.0	0.0	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	0.0	0.0	0.0
92.5	25.6	24.4	24.4	22.4	21.6	22.4	24.4	24.4	25.6	24.4
95.0	62.4	60.8	60.0	58.0	57.6	58.0	60.0	60.8	62.4	60.8
97.5	110.0	108.0	106.8	105.6	104.8	105.6	106.8	108.0	110.0	108.0
100.0	163.6	162.4	162.0	161.6	162.4	161.6	162.0	162.4	163.6	162.4
102.5	223.6	222.4	223.6	223.2	224.0	223.2	223.6	222.4	223.6	222.4
105.0	284.4	283.6	284.8	284.8	284.8	284.8	284.8	283.6	284.4	283.6
107.5	346.4	346.0	348.0	348.0	348.8	348.0	348.0	346.0	346.4	346.0
110.0	411.6	411.6	413.2	414.0	414.0	414.0	413.2	411.6	411.6	411.6
112.5	480.4	479.6	481.2	482.4	483.2	482.4	481.2	479.6	480.4	479.6
115.0	552.0	550.8	552.4	553.6	555.2	553.6	552.4	550.8	552.0	550.8
117.5	625.2	624.0	626.0	626.4	628.4	626.4	626.0	624.0	625.2	624.0
120.0	699.2	697.6	700.0	700.4	702.4	700.4	700.0	697.6	699.2	697.6
122.5	774.0	772.8	774.0	776.0	777.2	776.0	774.0	772.8	774.0	772.8
125.0	850.0	849.6	849.6	852.4	852.8	852.4	849.6	849.6	850.0	849.6
127.5	927.2	926.8	926.4	929.2	929.6	929.2	926.4	926.8	927.2	926.8
130.0	1005.2	1004.0	1004.4	1006.0	1006.8	1006.0	1004.4	1004.0	1005.2	1004.0
132.5	1082.0	1081.2	1081.2	1082.4	1083.2	1082.4	1081.2	1081.2	1082.0	1081.2

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135.0	1156.8	1156.4	1155.6	1157.2	1157.6	1157.2	1155.6	1156.4	1156.8	1156.4
137.5	1228.8	1228.0	1227.2	1228.4	1228.4	1228.4	1227.2	1228.0	1228.8	1228.0
140.0	1298.0	1296.8	1295.6	1297.6	1296.4	1297.6	1295.6	1296.8	1298.0	1296.8
142.5	1363.6	1362.4	1361.6	1362.4	1361.6	1362.4	1361.6	1362.4	1363.6	1362.4
145.0	1424.8	1423.6	1422.8	1423.2	1422.4	1423.2	1422.8	1423.6	1424.8	1423.6
147.5	1480.0	1478.8	1478.4	1477.6	1477.2	1477.6	1478.4	1478.8	1480.0	1478.8
150.0	1528.8	1528.0	1526.8	1526.8	1525.2	1526.8	1526.8	1528.0	1528.8	1528.0
152.5	1572.0	1571.2	1569.6	1569.6	1568.0	1569.6	1569.6	1571.2	1572.0	1571.2
155.0	1608.8	1608.0	1606.4	1606.8	1604.8	1606.8	1606.4	1608.0	1608.8	1608.0
157.5	1639.6	1638.4	1637.2	1637.2	1635.6	1637.2	1637.2	1638.4	1639.6	1638.4
160.0	1664.4	1663.2	1662.0	1662.0	1660.4	1662.0	1662.0	1663.2	1664.4	1663.2
162.5	1683.2	1682.4	1681.2	1681.2	1680.0	1681.2	1681.2	1682.4	1683.2	1682.4
165.0	1697.2	1696.4	1695.6	1695.6	1694.0	1695.6	1695.6	1696.4	1697.2	1696.4
167.5	1707.6	1706.4	1706.0	1706.0	1704.4	1706.0	1706.0	1706.4	1707.6	1706.4
170.0	1714.8	1714.0	1713.2	1713.6	1712.0	1713.6	1713.2	1714.0	1714.8	1714.0
172.5	1719.6	1719.2	1718.4	1719.2	1717.2	1719.2	1718.4	1719.2	1719.6	1719.2
175.0	1722.0	1721.6	1721.2	1722.0	1720.8	1722.0	1721.2	1721.6	1722.0	1721.6
177.5	1723.2	1723.2	1722.8	1723.2	1722.0	1723.2	1722.8	1723.2	1723.2	1723.2
180.0	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2

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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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	24.4	22.4	21.6	22.4	24.4	24.4	25.6
95.0	60.0	58.0	57.6	58.0	60.0	60.8	62.4
97.5	106.8	105.6	104.8	105.6	106.8	108.0	110.0
100.0	162.0	161.6	162.4	161.6	162.0	162.4	163.6
102.5	223.6	223.2	224.0	223.2	223.6	222.4	223.6
105.0	284.8	284.8	284.8	284.8	284.8	283.6	284.4
107.5	348.0	348.0	348.8	348.0	348.0	346.0	346.4
110.0	413.2	414.0	414.0	414.0	413.2	411.6	411.6
112.5	481.2	482.4	483.2	482.4	481.2	479.6	480.4
115.0	552.4	553.6	555.2	553.6	552.4	550.8	552.0
117.5	626.0	626.4	628.4	626.4	626.0	624.0	625.2
120.0	700.0	700.4	702.4	700.4	700.0	697.6	699.2
122.5	774.0	776.0	777.2	776.0	774.0	772.8	774.0
125.0	849.6	852.4	852.8	852.4	849.6	849.6	850.0
127.5	926.4	929.2	929.6	929.2	926.4	926.8	927.2
130.0	1004.4	1006.0	1006.8	1006.0	1004.4	1004.0	1005.2
132.5	1081.2	1082.4	1083.2	1082.4	1081.2	1081.2	1082.0
135.0	1155.6	1157.2	1157.6	1157.2	1155.6	1156.4	1156.8
137.5	1227.2	1228.4	1228.4	1228.4	1227.2	1228.0	1228.8
140.0	1295.6	1297.6	1296.4	1297.6	1295.6	1296.8	1298.0
142.5	1361.6	1362.4	1361.6	1362.4	1361.6	1362.4	1363.6
145.0	1422.8	1423.2	1422.4	1423.2	1422.8	1423.6	1424.8
147.5	1478.4	1477.6	1477.2	1477.6	1478.4	1478.8	1480.0
150.0	1526.8	1526.8	1525.2	1526.8	1526.8	1528.0	1528.8
152.5	1569.6	1569.6	1568.0	1569.6	1569.6	1571.2	1572.0
155.0	1606.4	1606.8	1604.8	1606.8	1606.4	1608.0	1608.8
157.5	1637.2	1637.2	1635.6	1637.2	1637.2	1638.4	1639.6
160.0	1662.0	1662.0	1660.4	1662.0	1662.0	1663.2	1664.4
162.5	1681.2	1681.2	1680.0	1681.2	1681.2	1682.4	1683.2
165.0	1695.6	1695.6	1694.0	1695.6	1695.6	1696.4	1697.2
167.5	1706.0	1706.0	1704.4	1706.0	1706.0	1706.4	1707.6
170.0	1713.2	1713.6	1712.0	1713.6	1713.2	1714.0	1714.8
172.5	1718.4	1719.2	1717.2	1719.2	1718.4	1719.2	1719.6
175.0	1721.2	1722.0	1720.8	1722.0	1721.2	1721.6	1722.0
177.5	1722.8	1723.2	1722.0	1723.2	1722.8	1723.2	1723.2
180.0	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2	1723.2

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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	375.08	N.A.	7.70
90-120	923.16	N.A.	19.00
90-130	1684.34	N.A.	34.80
90-150	3463.82	N.A.	71.50
90-180	4846.91	N.A.	100.00
110-180	4471.83	N.A.	92.30
0-180	4846.91	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	73.83
100-110	301.25
110-120	548.08
120-130	761.19
130-140	890.91
140-150	888.57
150-160	739.85
160-170	479.15
170-180	164.09

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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