



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8622-LED35-MO-WA-SW.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] 104665338LAX-001  
 [TESTLAB] INTERTEK  
 [ISSUE DATE] 04-23-2021  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] P8622-LED35-MO-WA-SW

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2573
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	2.00 ft
Luminous Width (90-270)	2.00 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2259	2252	2241
55	2177	2165	2154
65	2059	2049	2047
75	1893	1892	1882
85	1641	1656	1649

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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	891.918	891.918	891.918	891.918	891.918	891.918	891.918	891.918	891.918	891.918
2.5	890.341	890.756	890.507	891.005	890.341	891.005	890.507	890.756	890.341	890.756
5.0	887.021	887.436	887.187	887.519	886.689	887.519	887.187	887.436	887.021	887.436
7.5	882.041	882.290	881.958	882.207	881.543	882.207	881.958	882.290	882.041	882.290
10.0	874.903	875.318	874.737	875.235	874.322	875.235	874.737	875.318	874.903	875.318
12.5	866.603	866.769	866.271	866.354	865.773	866.354	866.271	866.769	866.603	866.769
15.0	856.560	856.726	855.979	856.062	855.315	856.062	855.979	856.726	856.560	856.726
17.5	844.442	844.691	843.778	843.778	842.948	843.778	843.778	844.691	844.442	844.691
20.0	830.332	830.498	829.668	829.336	828.423	829.336	829.668	830.498	830.332	830.498
22.5	813.898	814.064	813.234	812.736	811.657	812.736	813.234	814.064	813.898	814.064
25.0	795.223	795.555	794.559	793.812	792.733	793.812	794.559	795.555	795.223	795.555
27.5	775.635	775.303	774.224	773.145	771.734	773.145	774.224	775.303	775.635	775.303
30.0	753.474	753.474	752.312	751.067	749.656	751.067	752.312	753.474	753.474	753.474
32.5	729.985	730.234	729.321	727.827	726.499	727.827	729.321	730.234	729.985	730.234
35.0	706.247	706.164	705.002	703.259	702.097	703.259	705.002	706.164	706.247	706.164
37.5	681.264	680.932	679.189	677.529	676.201	677.529	679.189	680.932	681.264	680.932
40.0	653.708	653.293	652.048	650.056	648.811	650.056	652.048	653.293	653.708	653.293
42.5	624.326	624.326	623.081	621.255	620.176	621.255	623.081	624.326	624.326	624.326
45.0	594.197	593.865	592.371	590.379	589.466	590.379	592.371	593.865	594.197	593.865
47.5	563.570	562.491	560.914	559.005	558.009	559.005	560.914	562.491	563.570	562.491
50.0	530.951	530.370	528.710	526.884	525.888	526.884	528.710	530.370	530.951	530.370
52.5	497.834	497.004	495.759	493.850	493.186	493.850	495.759	497.004	497.834	497.004
55.0	464.468	463.223	461.978	460.152	459.654	460.152	461.978	463.223	464.468	463.223
57.5	429.774	428.861	427.533	425.956	425.292	425.956	427.533	428.861	429.774	428.861
60.0	394.416	393.669	392.507	391.262	390.598	391.262	392.507	393.669	394.416	393.669
62.5	359.058	358.311	357.481	356.236	355.738	356.236	357.481	358.311	359.058	358.311
65.0	323.700	322.870	322.040	321.044	321.791	321.044	322.040	322.870	323.700	322.870
67.5	288.093	287.678	286.599	286.433	285.188	286.433	286.599	287.678	288.093	287.678
70.0	252.320	251.822	251.407	250.826	250.079	250.826	251.407	251.822	252.320	251.822
72.5	217.045	216.630	216.962	216.049	216.132	216.049	216.962	216.630	217.045	216.630
75.0	182.268	182.019	182.102	182.185	181.189	182.185	182.102	182.019	182.268	182.019
77.5	148.072	147.989	148.072	148.072	147.491	148.072	148.072	147.989	148.072	147.989
80.0	114.955	115.121	115.287	115.370	115.038	115.370	115.287	115.121	114.955	115.121
82.5	83.249	83.249	83.830	83.830	83.249	83.830	83.830	83.249	83.249	83.249
85.0	53.203	53.286	53.701	53.867	53.452	53.867	53.701	53.286	53.203	53.286
87.5	24.900	24.734	25.066	25.730	24.817	25.730	25.066	24.734	24.900	24.734
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**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	891.918	891.918	891.918	891.918	891.918	891.918	891.918
2.5	890.507	891.005	890.341	891.005	890.507	890.756	890.341
5.0	887.187	887.519	886.689	887.519	887.187	887.436	887.021
7.5	881.958	882.207	881.543	882.207	881.958	882.290	882.041
10.0	874.737	875.235	874.322	875.235	874.737	875.318	874.903
12.5	866.271	866.354	865.773	866.354	866.271	866.769	866.603
15.0	855.979	856.062	855.315	856.062	855.979	856.726	856.560
17.5	843.778	843.778	842.948	843.778	843.778	844.691	844.442
20.0	829.668	829.336	828.423	829.336	829.668	830.498	830.332
22.5	813.234	812.736	811.657	812.736	813.234	814.064	813.898
25.0	794.559	793.812	792.733	793.812	794.559	795.555	795.223
27.5	774.224	773.145	771.734	773.145	774.224	775.303	775.635
30.0	752.312	751.067	749.656	751.067	752.312	753.474	753.474
32.5	729.321	727.827	726.499	727.827	729.321	730.234	729.985
35.0	705.002	703.259	702.097	703.259	705.002	706.164	706.247
37.5	679.189	677.529	676.201	677.529	679.189	680.932	681.264
40.0	652.048	650.056	648.811	650.056	652.048	653.293	653.708
42.5	623.081	621.255	620.176	621.255	623.081	624.326	624.326
45.0	592.371	590.379	589.466	590.379	592.371	593.865	594.197
47.5	560.914	559.005	558.009	559.005	560.914	562.491	563.570
50.0	528.710	526.884	525.888	526.884	528.710	530.370	530.951
52.5	495.759	493.850	493.186	493.850	495.759	497.004	497.834
55.0	461.978	460.152	459.654	460.152	461.978	463.223	464.468
57.5	427.533	425.956	425.292	425.956	427.533	428.861	429.774
60.0	392.507	391.262	390.598	391.262	392.507	393.669	394.416
62.5	357.481	356.236	355.738	356.236	357.481	358.311	359.058
65.0	322.040	321.044	321.791	321.044	322.040	322.870	323.700
67.5	286.599	286.433	285.188	286.433	286.599	287.678	288.093
70.0	251.407	250.826	250.079	250.826	251.407	251.822	252.320
72.5	216.962	216.049	216.132	216.049	216.962	216.630	217.045
75.0	182.102	182.185	181.189	182.185	182.102	182.019	182.268
77.5	148.072	148.072	147.491	148.072	148.072	147.989	148.072
80.0	115.287	115.370	115.038	115.370	115.287	115.121	114.955

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**CANDELA TABULATION - (Cont.)**

82.5	83.830	83.830	83.249	83.830	83.830	83.249	83.249
85.0	53.701	53.867	53.452	53.867	53.701	53.286	53.203
87.5	25.066	25.730	24.817	25.730	25.066	24.734	24.900
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	325.94	N.A.	12.70
0-30	692.02	N.A.	26.90
0-40	1132.82	N.A.	44.00
0-60	2002.29	N.A.	77.80
0-80	2513.58	N.A.	97.70
0-90	2573.37	N.A.	100.00
10-90	2489.07	N.A.	96.70
20-40	806.87	N.A.	31.40
20-50	1263.61	N.A.	49.10
40-70	1188.27	N.A.	46.20
60-80	511.29	N.A.	19.90
70-80	192.49	N.A.	7.50
80-90	59.80	N.A.	2.30
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2573.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	84.31
10-20	241.64
20-30	366.08
30-40	440.80
40-50	456.74
50-60	412.74
60-70	318.80
70-80	192.49
80-90	59.80
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

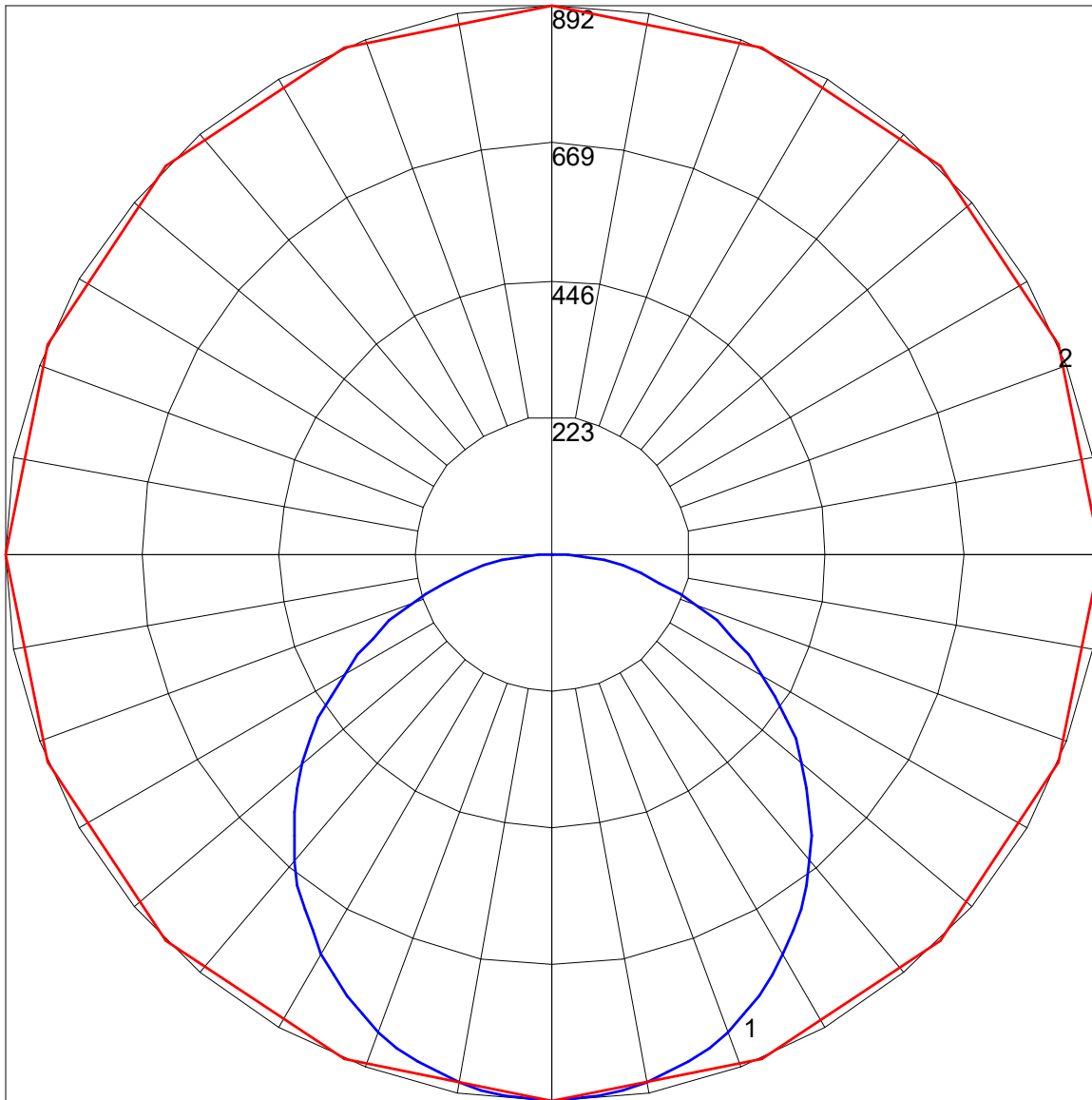
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 891.918 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)