



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] P8644-LED35-MO
 [TESTLAB] Intertek
 [ISSUE DATE] 09/01/2015
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	7139
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	89
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	6335	6283	6265
55	6110	6029	6055
65	5824	5699	5719
75	5442	5253	5180
85	5089	4592	4423

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263
2.5	2480.846	2482.452	2477.507	2481.507	2479.649	2480.783	2477.633	2479.649	2478.011	2479.649
5.0	2471.774	2470.671	2473.506	2470.923	2472.687	2471.081	2470.356	2472.246	2468.592	2472.246
7.5	2457.126	2460.024	2458.386	2458.607	2458.071	2456.591	2455.142	2455.331	2452.685	2455.331
10.0	2436.683	2436.998	2436.620	2434.730	2437.628	2436.746	2435.234	2434.793	2425.469	2434.793
12.5	2414.192	2414.318	2408.994	2412.459	2411.325	2410.758	2407.608	2409.120	2403.576	2409.120
15.0	2384.298	2381.558	2376.770	2380.266	2380.235	2380.896	2378.313	2377.179	2367.509	2377.179
17.5	2348.609	2344.388	2340.261	2343.380	2344.734	2345.049	2340.671	2339.159	2331.158	2339.159
20.0	2309.675	2304.194	2304.666	2301.989	2302.398	2299.059	2300.288	2296.004	2286.018	2296.004
22.5	2262.015	2258.960	2257.889	2257.259	2256.975	2257.259	2251.652	2252.723	2238.926	2252.723
25.0	2213.064	2206.985	2207.142	2209.442	2209.032	2204.874	2203.772	2198.858	2189.691	2198.858
27.5	2161.467	2147.607	2151.167	2152.994	2151.608	2150.159	2146.190	2141.528	2128.140	2141.528
30.0	2097.491	2091.128	2088.167	2093.364	2090.309	2090.876	2085.174	2081.300	2067.345	2081.300
32.5	2035.908	2026.584	2026.143	2026.112	2026.049	2022.647	2018.489	2017.544	2003.243	2017.544
35.0	1972.940	1957.316	1957.158	1960.529	1959.143	1955.205	1949.472	1947.960	1930.572	1947.960
37.5	1896.489	1886.756	1885.937	1886.535	1883.952	1880.298	1878.125	1876.991	1856.957	1876.991
40.0	1820.354	1812.573	1810.557	1812.006	1806.998	1808.730	1803.438	1798.934	1782.113	1798.934
42.5	1744.061	1732.122	1731.524	1734.170	1727.334	1728.941	1723.334	1719.585	1703.174	1719.585
45.0	1666.098	1647.356	1652.459	1650.065	1647.765	1642.977	1641.717	1634.693	1618.974	1634.693
47.5	1580.607	1556.510	1562.211	1564.133	1561.266	1556.951	1555.061	1548.729	1528.128	1548.729
50.0	1488.848	1475.933	1471.617	1473.381	1468.467	1467.837	1461.159	1460.151	1443.078	1460.151
52.5	1394.411	1380.299	1382.882	1381.275	1382.094	1375.574	1372.959	1368.108	1349.744	1368.108
55.0	1303.659	1285.484	1286.303	1289.484	1291.784	1284.444	1279.530	1273.167	1256.189	1273.167
57.5	1212.876	1191.708	1194.669	1190.480	1192.842	1190.795	1180.557	1180.652	1162.130	1180.652
60.0	1115.289	1096.799	1094.720	1093.239	1093.239	1088.766	1084.703	1080.891	1061.676	1080.891
62.5	1015.371	997.385	994.581	997.668	996.440	994.077	985.604	984.753	966.011	984.753
65.0	915.548	900.333	895.892	893.088	899.073	891.513	887.639	885.465	865.778	885.465
67.5	821.237	798.651	798.305	797.612	798.494	796.194	788.193	786.209	771.561	786.209
70.0	721.130	702.041	700.403	696.308	697.725	695.363	693.662	689.882	668.241	689.882
72.5	621.590	602.973	602.910	597.398	595.382	594.027	592.232	589.680	574.025	589.680
75.0	523.877	509.481	505.733	504.819	498.677	499.590	496.125	495.558	483.242	495.558
77.5	433.094	413.658	409.878	408.366	405.909	401.846	403.956	405.248	388.490	405.248
80.0	338.468	322.214	322.844	311.913	314.496	311.819	313.362	309.960	300.636	309.960
82.5	249.165	232.911	234.140	229.698	222.674	225.131	223.871	223.272	210.609	223.272
85.0	164.966	150.791	148.869	143.546	143.388	143.483	140.963	141.561	131.954	141.561
87.5	84.704	71.253	69.552	69.647	69.741	65.174	65.237	62.937	53.991	62.937
90.0	15.215	7.277	3.623	5.544	6.930	7.182	3.749	4.977	2.709	4.977
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

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. Horizontal Angles

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263	2482.263
2.5	2477.633	2480.783	2479.649	2481.507	2477.507	2482.452	2480.846
5.0	2470.356	2471.081	2472.687	2470.923	2473.506	2470.671	2471.774
7.5	2455.142	2456.591	2458.071	2458.607	2458.386	2460.024	2457.126
10.0	2435.234	2436.746	2437.628	2434.730	2436.620	2436.998	2436.683
12.5	2407.608	2410.758	2411.325	2412.459	2408.994	2414.318	2414.192
15.0	2378.313	2380.896	2380.235	2380.266	2376.770	2381.558	2384.298
17.5	2340.671	2345.049	2344.734	2343.380	2340.261	2344.388	2348.609
20.0	2300.288	2299.059	2302.398	2301.989	2304.666	2304.194	2309.675
22.5	2251.652	2257.259	2256.975	2257.259	2257.889	2258.960	2262.015
25.0	2203.772	2204.874	2209.032	2209.442	2207.142	2206.985	2213.064
27.5	2146.190	2150.159	2151.608	2152.994	2151.167	2147.607	2161.467
30.0	2085.174	2090.876	2090.309	2093.364	2088.167	2091.128	2097.491
32.5	2018.489	2022.647	2026.049	2026.112	2026.143	2026.584	2035.908
35.0	1949.472	1955.205	1959.143	1960.529	1957.158	1957.316	1972.940
37.5	1878.125	1880.298	1883.952	1886.535	1885.937	1886.756	1896.489
40.0	1803.438	1808.730	1806.998	1812.006	1810.557	1812.573	1820.354
42.5	1723.334	1728.941	1727.334	1734.170	1731.524	1732.122	1744.061
45.0	1641.717	1642.977	1647.765	1650.065	1652.459	1647.356	1666.098
47.5	1555.061	1556.951	1561.266	1564.133	1562.211	1556.510	1580.607
50.0	1461.159	1467.837	1468.467	1473.381	1471.617	1475.933	1488.848
52.5	1372.959	1375.574	1382.094	1381.275	1382.882	1380.299	1394.411
55.0	1279.530	1284.444	1291.784	1289.484	1286.303	1285.484	1303.659
57.5	1180.557	1190.795	1192.842	1190.480	1194.669	1191.708	1212.876
60.0	1084.703	1088.766	1093.239	1093.239	1094.720	1096.799	1115.289
62.5	985.604	994.077	996.440	997.668	994.581	997.385	1015.371
65.0	887.639	891.513	899.073	893.088	895.892	900.333	915.548
67.5	788.193	796.194	798.494	797.612	798.305	798.651	821.237
70.0	693.662	695.363	697.725	696.308	700.403	702.041	721.130
72.5	592.232	594.027	595.382	597.398	602.910	602.973	621.590
75.0	496.125	499.590	498.677	504.819	505.733	509.481	523.877
77.5	403.956	401.846	405.909	408.366	409.878	413.658	433.094
80.0	313.362	311.819	314.496	311.913	322.844	322.214	338.468

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

CANDELA TABULATION - (Cont.)

82.5	223.871	225.131	222.674	229.698	234.140	232.911	249.165
85.0	140.963	143.483	143.388	143.546	148.869	150.791	164.966
87.5	65.237	65.174	69.741	69.647	69.552	71.253	84.704
90.0	3.749	7.182	6.930	5.544	3.623	7.277	15.215
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	906.04	N.A.	12.70
0-30	1921.82	N.A.	26.90
0-40	3144.46	N.A.	44.00
0-60	5559.41	N.A.	77.90
0-80	6974.36	N.A.	97.70
0-90	7138.03	N.A.	100.00
10-90	6903.25	N.A.	96.70
20-40	2238.42	N.A.	31.40
20-50	3506.35	N.A.	49.10
40-70	3299.31	N.A.	46.20
60-80	1414.95	N.A.	19.80
70-80	530.59	N.A.	7.40
80-90	163.68	N.A.	2.30
90-110	0.83	N.A.	0.00
90-120	0.83	N.A.	0.00
90-130	0.83	N.A.	0.00
90-150	0.83	N.A.	0.00
90-180	0.83	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	7138.86	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	234.78
10-20	671.26
20-30	1015.78
30-40	1222.64
40-50	1267.93
50-60	1147.02
60-70	884.36
70-80	530.59
80-90	163.68
90-100	0.83
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

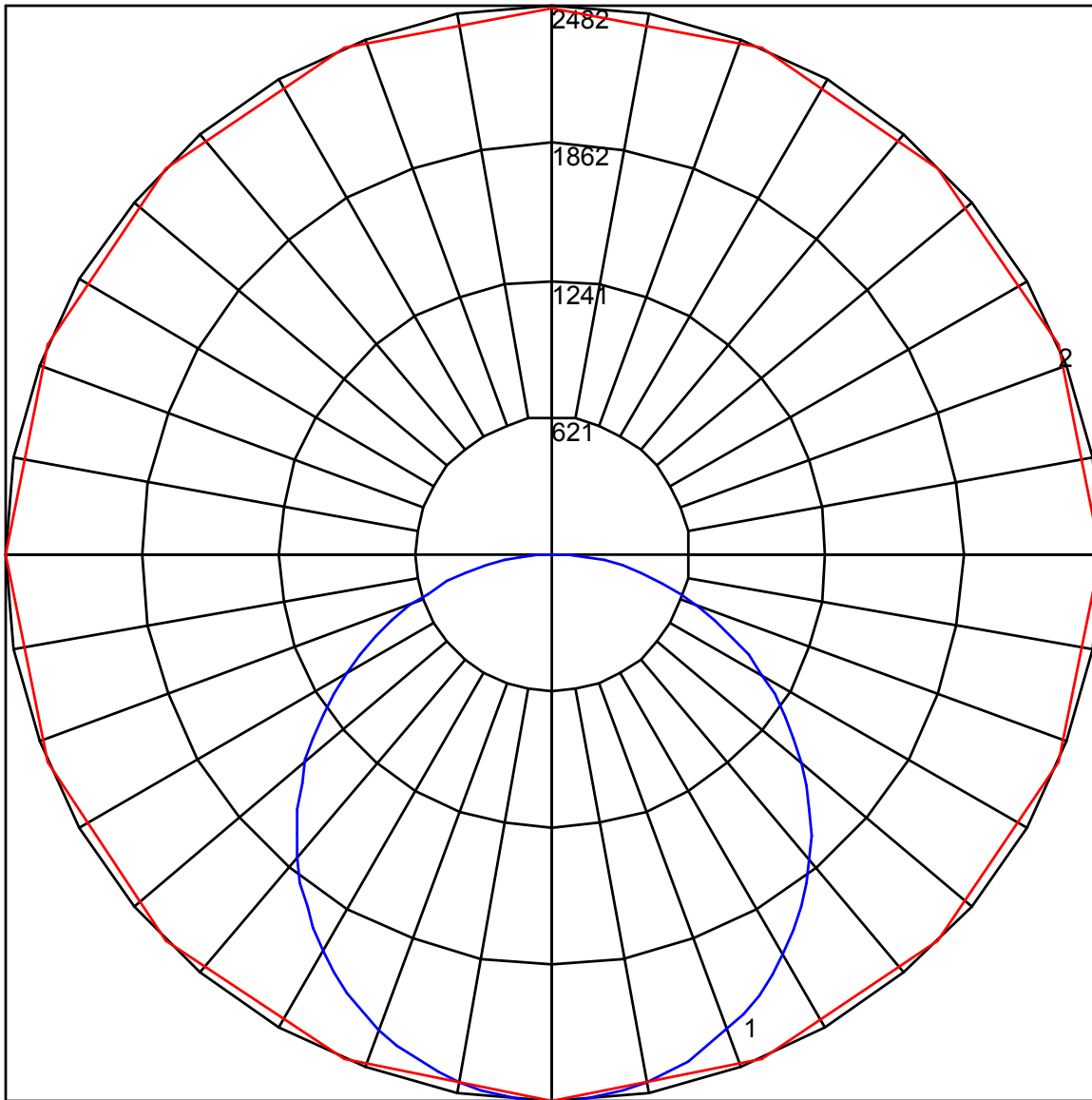
IES INDOOR REPORT
PHOTOMETRIC FILENAME : P8644-LED35-MO.IES

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	52	49
5	75	62	53	47	73	61	53	46	59	52	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	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	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 = 2482.452 Located At Horizontal Angle = 22.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)