



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8633-LED35-SO.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] P8622-LED35-SO  
 [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	4306
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	56
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	3821	3790	3779
55	3686	3637	3652
65	3513	3438	3450
75	3282	3169	3124
85	3069	2770	2668

**IES INDOOR REPORT**  
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**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238
<b>2.5</b>	1496.383	1497.352	1494.369	1496.782	1495.661	1496.345	1494.445	1495.661	1494.673	1495.661
<b>5.0</b>	1490.911	1490.246	1491.956	1490.398	1491.462	1490.493	1490.056	1491.196	1488.992	1491.196
<b>7.5</b>	1482.076	1483.824	1482.836	1482.969	1482.646	1481.753	1480.879	1480.993	1479.397	1480.993
<b>10.0</b>	1469.745	1469.935	1469.707	1468.567	1470.315	1469.783	1468.871	1468.605	1462.981	1468.605
<b>12.5</b>	1456.179	1456.255	1453.044	1455.134	1454.450	1454.108	1452.208	1453.120	1449.776	1453.120
<b>15.0</b>	1438.148	1436.495	1433.607	1435.716	1435.697	1436.096	1434.538	1433.854	1428.021	1433.854
<b>17.5</b>	1416.621	1414.075	1411.586	1413.467	1414.284	1414.474	1411.833	1410.921	1406.095	1410.921
<b>20.0</b>	1393.137	1389.831	1390.116	1388.501	1388.748	1386.734	1387.475	1384.891	1378.868	1384.891
<b>22.5</b>	1364.390	1362.547	1361.901	1361.521	1361.350	1361.521	1358.139	1358.785	1350.463	1358.785
<b>25.0</b>	1334.864	1331.197	1331.292	1332.679	1332.432	1329.924	1329.259	1326.295	1320.766	1326.295
<b>27.5</b>	1303.742	1295.382	1297.529	1298.631	1297.795	1296.921	1294.527	1291.715	1283.640	1291.715
<b>30.0</b>	1265.153	1261.315	1259.529	1262.664	1260.821	1261.163	1257.724	1255.387	1246.970	1255.387
<b>32.5</b>	1228.008	1222.384	1222.118	1222.099	1222.061	1220.009	1217.501	1216.931	1208.305	1216.931
<b>35.0</b>	1190.027	1180.603	1180.508	1182.541	1181.705	1179.330	1175.872	1174.960	1164.472	1174.960
<b>37.5</b>	1143.914	1138.043	1137.549	1137.910	1136.352	1134.148	1132.837	1132.153	1120.069	1132.153
<b>40.0</b>	1097.991	1093.298	1092.082	1092.956	1089.935	1090.980	1087.788	1085.071	1074.925	1085.071
<b>42.5</b>	1051.973	1044.772	1044.411	1046.007	1041.884	1042.853	1039.471	1037.210	1027.311	1037.210
<b>45.0</b>	1004.948	993.643	996.721	995.277	993.890	991.002	990.242	986.005	976.524	986.005
<b>47.5</b>	953.382	938.847	942.286	943.445	941.716	939.113	937.973	934.154	921.728	934.154
<b>50.0</b>	898.035	890.245	887.642	888.706	885.742	885.362	881.334	880.726	870.428	880.726
<b>52.5</b>	841.073	832.561	834.119	833.150	833.644	829.711	828.134	825.208	814.131	825.208
<b>55.0</b>	786.334	775.371	775.865	777.784	779.171	774.744	771.780	767.942	757.701	767.942
<b>57.5</b>	731.576	718.808	720.594	718.067	719.492	718.257	712.082	712.139	700.967	712.139
<b>60.0</b>	672.714	661.561	660.307	659.414	659.414	656.716	654.265	651.966	640.376	651.966
<b>62.5</b>	612.446	601.597	599.906	601.768	601.027	599.602	594.491	593.978	582.673	593.978
<b>65.0</b>	552.235	543.058	540.379	538.688	542.298	537.738	535.401	534.090	522.215	534.090
<b>67.5</b>	495.349	481.726	481.517	481.099	481.631	480.244	475.418	474.221	465.386	474.221
<b>70.0</b>	434.967	423.453	422.465	419.995	420.850	419.425	418.399	416.119	403.066	416.119
<b>72.5</b>	374.927	363.698	363.660	360.335	359.119	358.302	357.219	355.680	346.237	355.680
<b>75.0</b>	315.989	307.306	305.045	304.494	300.789	301.340	299.250	298.908	291.479	298.908
<b>77.5</b>	261.231	249.508	247.228	246.316	244.834	242.383	243.656	244.435	234.327	244.435
<b>80.0</b>	204.155	194.351	194.731	188.138	189.696	188.081	189.012	186.960	181.336	186.960
<b>82.5</b>	150.290	140.486	141.227	138.548	134.311	135.793	135.033	134.672	127.034	134.672
<b>85.0</b>	99.503	90.953	89.794	86.583	86.488	86.545	85.025	85.386	79.591	85.386
<b>87.5</b>	51.091	42.978	41.952	42.009	42.066	39.311	39.349	37.962	32.566	37.962
<b>90.0</b>	9.177	4.389	2.185	3.344	4.180	4.332	2.261	3.002	1.634	3.002
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	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. Horizontal Angles**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238	1497.238
2.5	1494.445	1496.345	1495.661	1496.782	1494.369	1497.352	1496.383
5.0	1490.056	1490.493	1491.462	1490.398	1491.956	1490.246	1490.911
7.5	1480.879	1481.753	1482.646	1482.969	1482.836	1483.824	1482.076
10.0	1468.871	1469.783	1470.315	1468.567	1469.707	1469.935	1469.745
12.5	1452.208	1454.108	1454.450	1455.134	1453.044	1456.255	1456.179
15.0	1434.538	1436.096	1435.697	1435.716	1433.607	1436.495	1438.148
17.5	1411.833	1414.474	1414.284	1413.467	1411.586	1414.075	1416.621
20.0	1387.475	1386.734	1388.748	1388.501	1390.116	1389.831	1393.137
22.5	1358.139	1361.521	1361.350	1361.521	1361.901	1362.547	1364.390
25.0	1329.259	1329.924	1332.432	1332.679	1331.292	1331.197	1334.864
27.5	1294.527	1296.921	1297.795	1298.631	1297.529	1295.382	1303.742
30.0	1257.724	1261.163	1260.821	1262.664	1259.529	1261.315	1265.153
32.5	1217.501	1220.009	1222.061	1222.099	1222.118	1222.384	1228.008
35.0	1175.872	1179.330	1181.705	1182.541	1180.508	1180.603	1190.027
37.5	1132.837	1134.148	1136.352	1137.910	1137.549	1138.043	1143.914
40.0	1087.788	1090.980	1089.935	1092.956	1092.082	1093.298	1097.991
42.5	1039.471	1042.853	1041.884	1046.007	1044.411	1044.772	1051.973
45.0	990.242	991.002	993.890	995.277	996.721	993.643	1004.948
47.5	937.973	939.113	941.716	943.445	942.286	938.847	953.382
50.0	881.334	885.362	885.742	888.706	887.642	890.245	898.035
52.5	828.134	829.711	833.644	833.150	834.119	832.561	841.073
55.0	771.780	774.744	779.171	777.784	775.865	775.371	786.334
57.5	712.082	718.257	719.492	718.067	720.594	718.808	731.576
60.0	654.265	656.716	659.414	659.414	660.307	661.561	672.714
62.5	594.491	599.602	601.027	601.768	599.906	601.597	612.446
65.0	535.401	537.738	542.298	538.688	540.379	543.058	552.235
67.5	475.418	480.244	481.631	481.099	481.517	481.726	495.349
70.0	418.399	419.425	420.850	419.995	422.465	423.453	434.967
72.5	357.219	358.302	359.119	360.335	363.660	363.698	374.927
75.0	299.250	301.340	300.789	304.494	305.045	307.306	315.989
77.5	243.656	242.383	244.834	246.316	247.228	249.508	261.231
80.0	189.012	188.081	189.696	188.138	194.731	194.351	204.155

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**CANDELA TABULATION - (Cont.)**

82.5	135.033	135.793	134.311	138.548	141.227	140.486	150.290
85.0	85.025	86.545	86.488	86.583	89.794	90.953	99.503
87.5	39.349	39.311	42.066	42.009	41.952	42.978	51.091
90.0	2.261	4.332	4.180	3.344	2.185	4.389	9.177
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	546.50	N.A.	12.70
0-30	1159.19	N.A.	26.90
0-40	1896.66	N.A.	44.00
0-60	3353.29	N.A.	77.90
0-80	4206.75	N.A.	97.70
0-90	4305.48	N.A.	100.00
10-90	4163.86	N.A.	96.70
20-40	1350.15	N.A.	31.40
20-50	2114.94	N.A.	49.10
40-70	1990.06	N.A.	46.20
60-80	853.46	N.A.	19.80
70-80	320.04	N.A.	7.40
80-90	98.73	N.A.	2.30
90-110	0.50	N.A.	0.00
90-120	0.50	N.A.	0.00
90-130	0.50	N.A.	0.00
90-150	0.50	N.A.	0.00
90-180	0.50	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4305.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	141.62
10-20	404.88
20-30	612.69
30-40	737.46
40-50	764.78
50-60	691.85
60-70	533.42
70-80	320.04
80-90	98.73
90-100	0.50
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

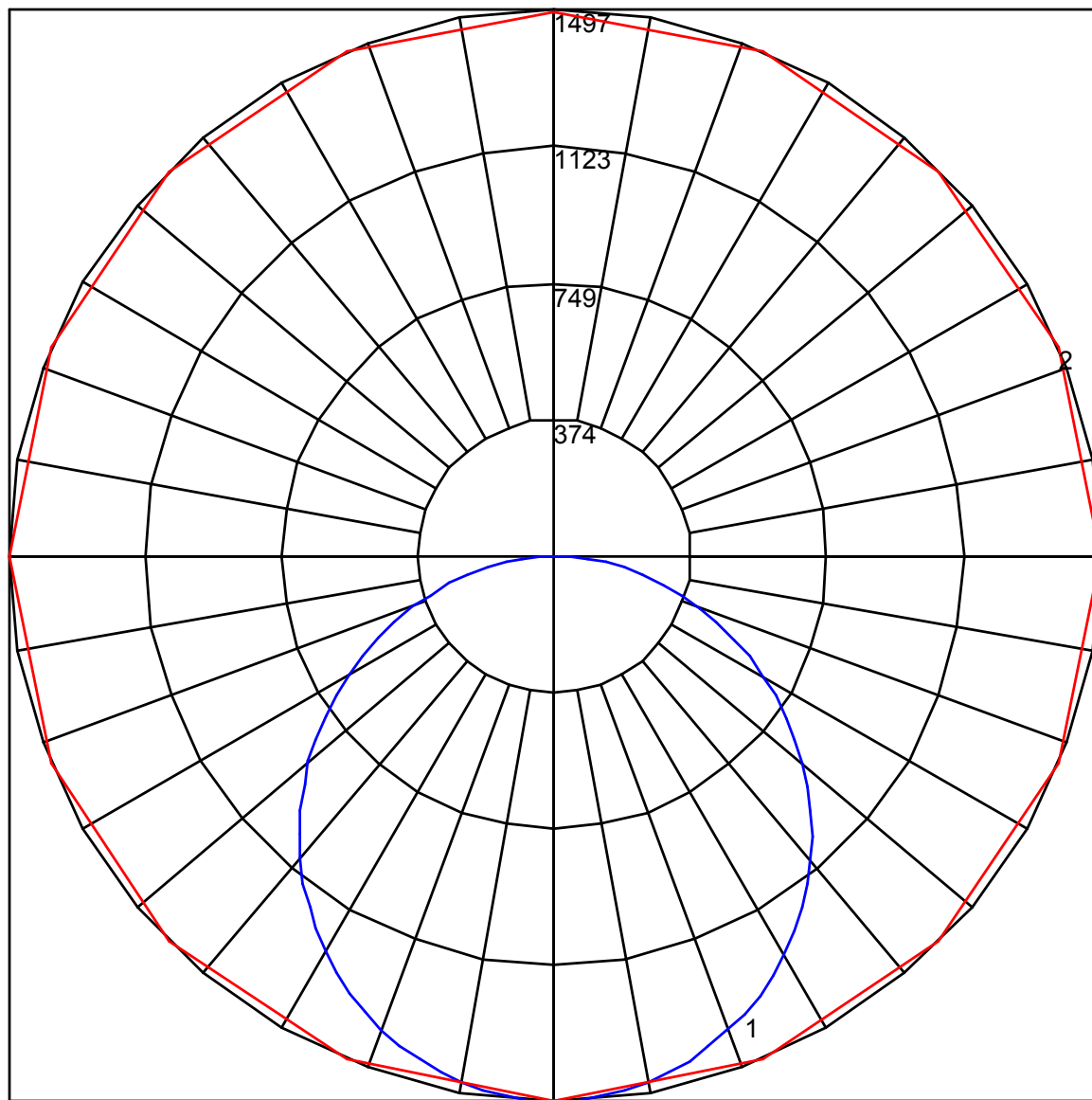
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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 = 1497.352 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.)