



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8633-LED35-SO-WA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] P8633-LED35-SO-WA  
 [TESTLAB] Intertek  
 [ISSUE DATE]  
 [MANUFAC] Prudential Lighting

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5193
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	53
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)	3.17 ft
Luminous Width (90-270)	3.17 ft
Luminous Height	0.00 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1798	1806	1814
55	1736	1747	1755
65	1647	1666	1673
75	1526	1558	1560
85	1338	1381	1370

**IES INDOOR REPORT**  
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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>	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627
<b>2.5</b>	1785.837	1785.907	1785.382	1785.217	1785.803	1785.217	1785.382	1785.907	1785.837	1785.907
<b>5.0</b>	1779.402	1779.692	1779.631	1778.909	1779.852	1778.909	1779.631	1779.692	1779.402	1779.692
<b>7.5</b>	1769.171	1769.365	1769.418	1769.246	1769.847	1769.246	1769.418	1769.365	1769.171	1769.365
<b>10.0</b>	1754.697	1754.883	1755.068	1754.822	1755.518	1754.822	1755.068	1754.883	1754.697	1754.883
<b>12.5</b>	1736.378	1736.436	1736.578	1736.993	1737.712	1736.993	1736.578	1736.436	1736.378	1736.436
<b>15.0</b>	1714.303	1714.260	1714.924	1715.301	1716.382	1715.301	1714.924	1714.260	1714.303	1714.260
<b>17.5</b>	1688.232	1688.539	1689.180	1689.871	1690.952	1689.871	1689.180	1688.539	1688.232	1688.539
<b>20.0</b>	1658.559	1659.165	1660.340	1660.343	1662.219	1660.343	1660.340	1659.165	1658.559	1659.165
<b>22.5</b>	1625.517	1625.647	1626.662	1627.581	1629.200	1627.581	1626.662	1625.647	1625.517	1625.647
<b>25.0</b>	1588.466	1589.017	1590.192	1591.621	1593.112	1591.621	1590.192	1589.017	1588.466	1589.017
<b>27.5</b>	1548.562	1548.954	1550.221	1551.764	1554.014	1551.764	1550.221	1548.954	1548.562	1548.954
<b>30.0</b>	1503.546	1505.932	1507.072	1508.615	1511.657	1508.615	1507.072	1505.932	1503.546	1505.932
<b>32.5</b>	1456.403	1459.605	1461.220	1463.067	1466.080	1463.067	1461.220	1459.605	1456.403	1459.605
<b>35.0</b>	1407.515	1409.864	1412.578	1414.545	1417.010	1414.545	1412.578	1409.864	1407.515	1409.864
<b>37.5</b>	1357.064	1357.780	1360.578	1362.927	1365.207	1362.927	1360.578	1357.780	1357.064	1357.780
<b>40.0</b>	1303.756	1303.451	1306.743	1309.208	1311.334	1309.208	1306.743	1303.451	1303.756	1303.451
<b>42.5</b>	1246.991	1246.577	1249.764	1252.539	1255.004	1252.539	1249.764	1246.577	1246.991	1246.577
<b>45.0</b>	1185.711	1186.935	1190.618	1193.315	1195.803	1193.315	1190.618	1186.935	1185.711	1186.935
<b>47.5</b>	1122.793	1125.069	1128.767	1132.433	1133.897	1132.433	1128.767	1125.069	1122.793	1125.069
<b>50.0</b>	1059.419	1061.847	1065.324	1069.584	1070.178	1069.584	1065.324	1061.847	1059.419	1061.847
<b>52.5</b>	995.129	996.887	1000.526	1004.456	1005.212	1004.456	1000.526	996.887	995.129	996.887
<b>55.0</b>	928.722	929.955	934.476	937.953	938.599	937.953	934.476	929.955	928.722	929.955
<b>57.5</b>	859.954	861.900	866.650	870.476	870.041	870.476	866.650	861.900	859.954	861.900
<b>60.0</b>	789.905	792.709	797.001	801.699	800.400	801.699	797.001	792.709	789.905	792.709
<b>62.5</b>	719.386	722.996	726.873	731.432	730.156	731.432	726.873	722.996	719.386	722.996
<b>65.0</b>	648.924	653.422	656.522	660.292	659.347	660.292	656.522	653.422	648.924	653.422
<b>67.5</b>	579.037	582.549	586.284	589.828	587.984	589.828	586.284	582.549	579.037	582.549
<b>70.0</b>	508.587	511.789	516.339	519.193	516.615	519.193	516.339	511.789	508.587	511.789
<b>72.5</b>	438.080	442.175	445.434	449.091	446.423	449.091	445.434	442.175	438.080	442.175
<b>75.0</b>	368.193	373.946	376.078	379.494	376.432	379.494	376.078	373.946	368.193	373.946
<b>77.5</b>	300.634	305.921	308.757	310.242	307.812	310.242	308.757	305.921	300.634	305.921
<b>80.0</b>	234.775	239.096	241.445	242.602	239.737	242.602	241.445	239.096	234.775	239.096
<b>82.5</b>	170.967	173.898	175.630	176.769	174.058	176.769	175.630	173.898	170.967	173.898
<b>85.0</b>	108.744	111.206	112.207	113.700	111.374	113.700	112.207	111.206	108.744	111.206
<b>87.5</b>	49.738	51.846	52.191	53.870	51.826	53.870	52.191	51.846	49.738	51.846
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<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. 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	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627	1787.627
2.5	1785.382	1785.217	1785.803	1785.217	1785.382	1785.907	1785.837
5.0	1779.631	1778.909	1779.852	1778.909	1779.631	1779.692	1779.402
7.5	1769.418	1769.246	1769.847	1769.246	1769.418	1769.365	1769.171
10.0	1755.068	1754.822	1755.518	1754.822	1755.068	1754.883	1754.697
12.5	1736.578	1736.993	1737.712	1736.993	1736.578	1736.436	1736.378
15.0	1714.924	1715.301	1716.382	1715.301	1714.924	1714.260	1714.303
17.5	1689.180	1689.871	1690.952	1689.871	1689.180	1688.539	1688.232
20.0	1660.340	1660.343	1662.219	1660.343	1660.340	1659.165	1658.559
22.5	1626.662	1627.581	1629.200	1627.581	1626.662	1625.647	1625.517
25.0	1590.192	1591.621	1593.112	1591.621	1590.192	1589.017	1588.466
27.5	1550.221	1551.764	1554.014	1551.764	1550.221	1548.954	1548.562
30.0	1507.072	1508.615	1511.657	1508.615	1507.072	1505.932	1503.546
32.5	1461.220	1463.067	1466.080	1463.067	1461.220	1459.605	1456.403
35.0	1412.578	1414.545	1417.010	1414.545	1412.578	1409.864	1407.515
37.5	1360.578	1362.927	1365.207	1362.927	1360.578	1357.780	1357.064
40.0	1306.743	1309.208	1311.334	1309.208	1306.743	1303.451	1303.756
42.5	1249.764	1252.539	1255.004	1252.539	1249.764	1246.577	1246.991
45.0	1190.618	1193.315	1195.803	1193.315	1190.618	1186.935	1185.711
47.5	1128.767	1132.433	1133.897	1132.433	1128.767	1125.069	1122.793
50.0	1065.324	1069.584	1070.178	1069.584	1065.324	1061.847	1059.419
52.5	1000.526	1004.456	1005.212	1004.456	1000.526	996.887	995.129
55.0	934.476	937.953	938.599	937.953	934.476	929.955	928.722
57.5	866.650	870.476	870.041	870.476	866.650	861.900	859.954
60.0	797.001	801.699	800.400	801.699	797.001	792.709	789.905
62.5	726.873	731.432	730.156	731.432	726.873	722.996	719.386
65.0	656.522	660.292	659.347	660.292	656.522	653.422	648.924
67.5	586.284	589.828	587.984	589.828	586.284	582.549	579.037
70.0	516.339	519.193	516.615	519.193	516.339	511.789	508.587
72.5	445.434	449.091	446.423	449.091	445.434	442.175	438.080
75.0	376.078	379.494	376.432	379.494	376.078	373.946	368.193
77.5	308.757	310.242	307.812	310.242	308.757	305.921	300.634
80.0	241.445	242.602	239.737	242.602	241.445	239.096	234.775

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CANDELA TABULATION - (Cont.)

82.5	175.630	176.769	174.058	176.769	175.630	173.898	170.967
85.0	112.207	113.700	111.374	113.700	112.207	111.206	108.744
87.5	52.191	53.870	51.826	53.870	52.191	51.846	49.738
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	653.05	N.A.	12.60
0-30	1385.95	N.A.	26.70
0-40	2269.44	N.A.	43.70
0-60	4022.17	N.A.	77.40
0-80	5068.52	N.A.	97.60
0-90	5193.33	N.A.	100.00
10-90	5024.24	N.A.	96.70
20-40	1616.39	N.A.	31.10
20-50	2534.48	N.A.	48.80
40-70	2402.1	N.A.	46.30
60-80	1046.35	N.A.	20.10
70-80	396.98	N.A.	7.60
80-90	124.81	N.A.	2.40
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	5193.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	169.09
10-20	483.96
20-30	732.90
30-40	883.49
40-50	918.09
50-60	834.64
60-70	649.37
70-80	396.98
80-90	124.81
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

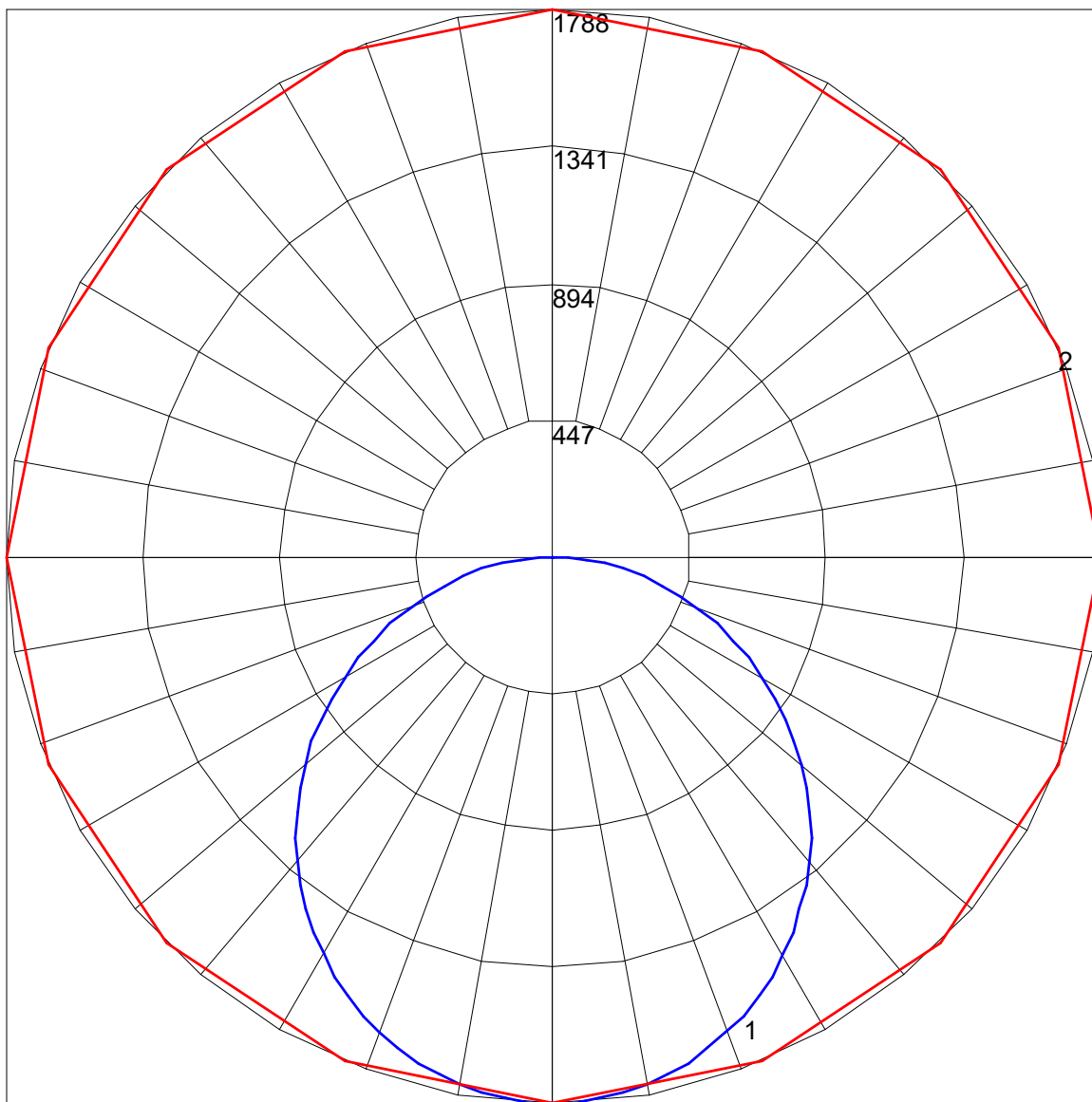
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1787.627 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.)