



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3940
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	37
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	1364	1370	1376
55	1317	1325	1331
65	1249	1264	1269
75	1157	1182	1183
85	1015	1047	1040

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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	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131
2.5	1354.773	1354.826	1354.428	1354.302	1354.747	1354.302	1354.428	1354.826	1354.773	1354.826
5.0	1349.891	1350.111	1350.065	1349.517	1350.232	1349.517	1350.065	1350.111	1349.891	1350.111
7.5	1342.130	1342.277	1342.317	1342.187	1342.642	1342.187	1342.317	1342.277	1342.130	1342.277
10.0	1331.150	1331.290	1331.431	1331.244	1331.772	1331.244	1331.431	1331.290	1331.150	1331.290
12.5	1317.252	1317.296	1317.404	1317.719	1318.264	1317.719	1317.404	1317.296	1317.252	1317.296
15.0	1300.506	1300.473	1300.977	1301.263	1302.083	1301.263	1300.977	1300.473	1300.506	1300.473
17.5	1280.728	1280.961	1281.447	1281.971	1282.791	1281.971	1281.447	1280.961	1280.728	1280.961
20.0	1258.217	1258.677	1259.568	1259.570	1260.994	1259.570	1259.568	1258.677	1258.217	1258.677
22.5	1233.151	1233.250	1234.020	1234.717	1235.945	1234.717	1234.020	1233.250	1233.151	1233.250
25.0	1205.043	1205.461	1206.352	1207.437	1208.568	1207.437	1206.352	1205.461	1205.043	1205.461
27.5	1174.771	1175.068	1176.030	1177.200	1178.907	1177.200	1176.030	1175.068	1174.771	1175.068
30.0	1140.621	1142.431	1143.296	1144.466	1146.774	1144.466	1143.296	1142.431	1140.621	1142.431
32.5	1104.858	1107.286	1108.512	1109.913	1112.199	1109.913	1108.512	1107.286	1104.858	1107.286
35.0	1067.770	1069.552	1071.611	1073.103	1074.973	1073.103	1071.611	1069.552	1067.770	1069.552
37.5	1029.497	1030.040	1032.163	1033.945	1035.674	1033.945	1032.163	1030.040	1029.497	1030.040
40.0	989.056	988.825	991.322	993.192	994.805	993.192	991.322	988.825	989.056	988.825
42.5	945.993	945.679	948.097	950.202	952.072	950.202	948.097	945.679	945.993	945.679
45.0	899.505	900.434	903.228	905.274	907.161	905.274	903.228	900.434	899.505	900.434
47.5	851.774	853.501	856.306	859.087	860.198	859.087	856.306	853.501	851.774	853.501
50.0	803.697	805.539	808.177	811.408	811.859	811.408	808.177	805.539	803.697	805.539
52.5	754.926	756.259	759.020	762.001	762.575	762.001	759.020	756.259	754.926	756.259
55.0	704.548	705.483	708.913	711.550	712.041	711.550	708.913	705.483	704.548	705.483
57.5	652.379	653.855	657.459	660.361	660.031	660.361	657.459	653.855	652.379	653.855
60.0	599.238	601.366	604.622	608.186	607.200	608.186	604.622	601.366	599.238	601.366
62.5	545.741	548.480	551.421	554.880	553.912	554.880	551.421	548.480	545.741	548.480
65.0	492.287	495.700	498.051	500.911	500.194	500.911	498.051	495.700	492.287	495.700
67.5	439.270	441.934	444.767	447.456	446.057	447.456	444.767	441.934	439.270	441.934
70.0	385.825	388.254	391.706	393.870	391.915	393.870	391.706	388.254	385.825	388.254
72.5	332.336	335.443	337.916	340.690	338.666	340.690	337.916	335.443	332.336	335.443
75.0	279.319	283.683	285.300	287.892	285.569	287.892	285.300	283.683	279.319	283.683
77.5	228.067	232.078	234.230	235.356	233.512	235.356	234.230	232.078	228.067	232.078
80.0	178.105	181.383	183.165	184.043	181.870	184.043	183.165	181.383	178.105	181.383
82.5	129.699	131.923	133.236	134.101	132.044	134.101	133.236	131.923	129.699	131.923
85.0	82.496	84.363	85.122	86.255	84.491	86.255	85.122	84.363	82.496	84.363
87.5	37.732	39.332	39.593	40.867	39.316	40.867	39.593	39.332	37.732	39.332
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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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	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131	1356.131
2.5	1354.428	1354.302	1354.747	1354.302	1354.428	1354.826	1354.773
5.0	1350.065	1349.517	1350.232	1349.517	1350.065	1350.111	1349.891
7.5	1342.317	1342.187	1342.642	1342.187	1342.317	1342.277	1342.130
10.0	1331.431	1331.244	1331.772	1331.244	1331.431	1331.290	1331.150
12.5	1317.404	1317.719	1318.264	1317.719	1317.404	1317.296	1317.252
15.0	1300.977	1301.263	1302.083	1301.263	1300.977	1300.473	1300.506
17.5	1281.447	1281.971	1282.791	1281.971	1281.447	1280.961	1280.728
20.0	1259.568	1259.570	1260.994	1259.570	1259.568	1258.677	1258.217
22.5	1234.020	1234.717	1235.945	1234.717	1234.020	1233.250	1233.151
25.0	1206.352	1207.437	1208.568	1207.437	1206.352	1205.461	1205.043
27.5	1176.030	1177.200	1178.907	1177.200	1176.030	1175.068	1174.771
30.0	1143.296	1144.466	1146.774	1144.466	1143.296	1142.431	1140.621
32.5	1108.512	1109.913	1112.199	1109.913	1108.512	1107.286	1104.858
35.0	1071.611	1073.103	1074.973	1073.103	1071.611	1069.552	1067.770
37.5	1032.163	1033.945	1035.674	1033.945	1032.163	1030.040	1029.497
40.0	991.322	993.192	994.805	993.192	991.322	988.825	989.056
42.5	948.097	950.202	952.072	950.202	948.097	945.679	945.993
45.0	903.228	905.274	907.161	905.274	903.228	900.434	899.505
47.5	856.306	859.087	860.198	859.087	856.306	853.501	851.774
50.0	808.177	811.408	811.859	811.408	808.177	805.539	803.697
52.5	759.020	762.001	762.575	762.001	759.020	756.259	754.926
55.0	708.913	711.550	712.041	711.550	708.913	705.483	704.548
57.5	657.459	660.361	660.031	660.361	657.459	653.855	652.379
60.0	604.622	608.186	607.200	608.186	604.622	601.366	599.238
62.5	551.421	554.880	553.912	554.880	551.421	548.480	545.741
65.0	498.051	500.911	500.194	500.911	498.051	495.700	492.287
67.5	444.767	447.456	446.057	447.456	444.767	441.934	439.270
70.0	391.706	393.870	391.915	393.870	391.706	388.254	385.825
72.5	337.916	340.690	338.666	340.690	337.916	335.443	332.336
75.0	285.300	287.892	285.569	287.892	285.300	283.683	279.319
77.5	234.230	235.356	233.512	235.356	234.230	232.078	228.067
80.0	183.165	184.043	181.870	184.043	183.165	181.383	178.105

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CANDELA TABULATION - (Cont.)

82.5	133.236	134.101	132.044	134.101	133.236	131.923	129.699
85.0	85.122	86.255	84.491	86.255	85.122	84.363	82.496
87.5	39.593	40.867	39.316	40.867	39.593	39.332	37.732
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	495.42	N.A.	12.60
0-30	1051.41	N.A.	26.70
0-40	1721.65	N.A.	43.70
0-60	3051.3	N.A.	77.40
0-80	3845.09	N.A.	97.60
0-90	3939.77	N.A.	100.00
10-90	3811.49	N.A.	96.70
20-40	1226.23	N.A.	31.10
20-50	1922.71	N.A.	48.80
40-70	1822.28	N.A.	46.30
60-80	793.78	N.A.	20.10
70-80	301.16	N.A.	7.60
80-90	94.68	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	3939.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	128.27
10-20	367.14
20-30	555.99
30-40	670.24
40-50	696.48
50-60	633.18
60-70	492.62
70-80	301.16
80-90	94.68
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

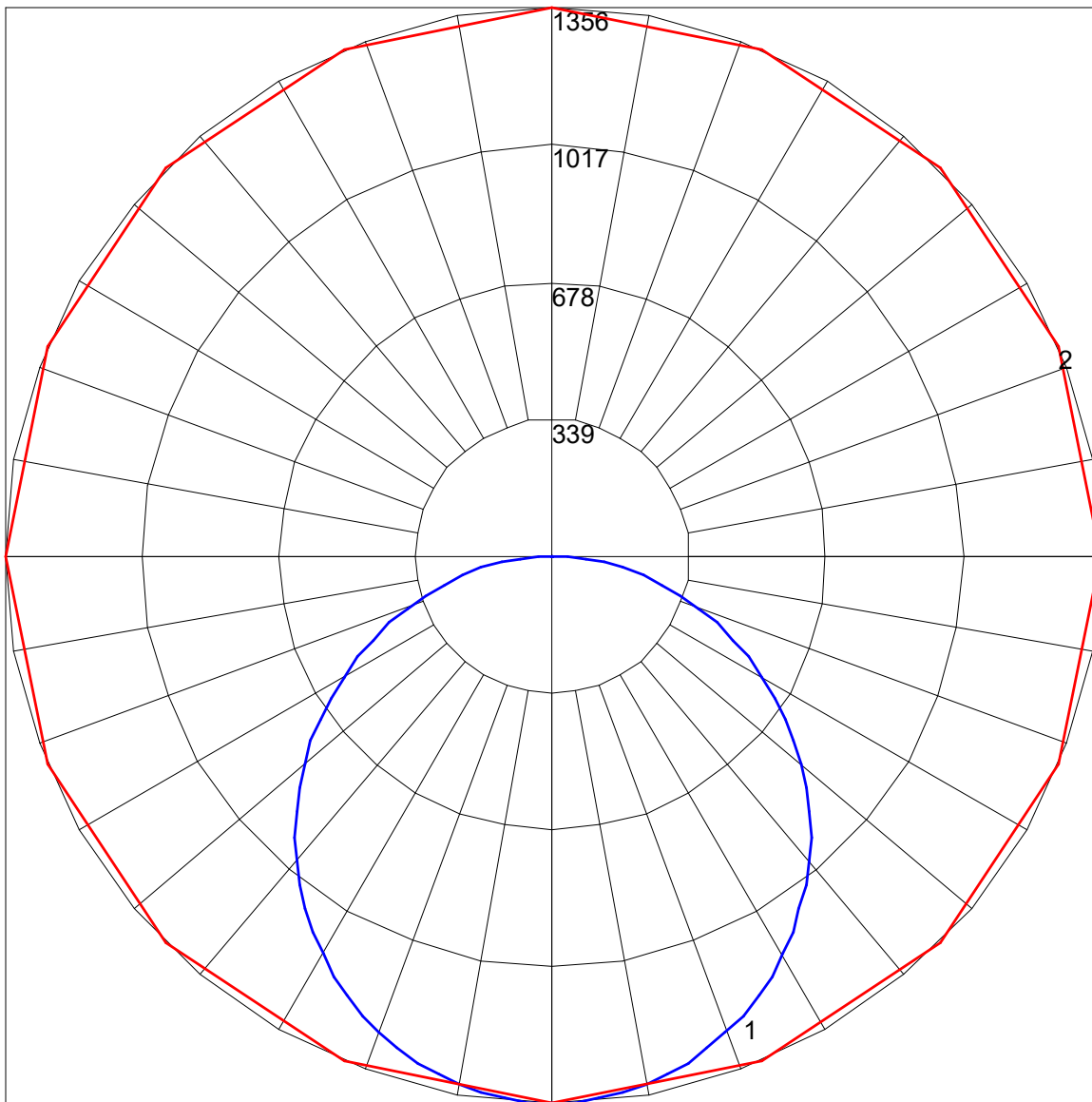
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69
3	89	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	45	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	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 1356.131 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.)