



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4656
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	45
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	1612	1619	1626
55	1557	1566	1573
65	1476	1494	1500
75	1368	1397	1398
85	1200	1238	1229

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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	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700
2.5	1601.096	1601.158	1600.687	1600.539	1601.064	1600.539	1600.687	1601.158	1601.096	1601.158
5.0	1595.326	1595.586	1595.532	1594.884	1595.729	1594.884	1595.532	1595.586	1595.326	1595.586
7.5	1586.153	1586.328	1586.374	1586.221	1586.759	1586.221	1586.374	1586.328	1586.153	1586.328
10.0	1573.177	1573.343	1573.510	1573.289	1573.913	1573.289	1573.510	1573.343	1573.177	1573.343
12.5	1556.753	1556.805	1556.932	1557.304	1557.949	1557.304	1556.932	1556.805	1556.753	1556.805
15.0	1536.961	1536.922	1537.518	1537.856	1538.826	1537.856	1537.518	1536.922	1536.961	1536.922
17.5	1513.587	1513.863	1514.438	1515.056	1516.026	1515.056	1514.438	1513.863	1513.587	1513.863
20.0	1486.984	1487.528	1488.581	1488.583	1490.265	1488.583	1488.581	1487.528	1486.984	1487.528
22.5	1457.360	1457.477	1458.387	1459.211	1460.662	1459.211	1458.387	1457.477	1457.360	1457.477
25.0	1424.142	1424.636	1425.689	1426.971	1428.307	1426.971	1425.689	1424.636	1424.142	1424.636
27.5	1388.366	1388.717	1389.853	1391.237	1393.254	1391.237	1389.853	1388.717	1388.366	1388.717
30.0	1348.006	1350.146	1351.168	1352.551	1355.279	1352.551	1351.168	1350.146	1348.006	1350.146
32.5	1305.741	1308.611	1310.059	1311.716	1314.417	1311.716	1310.059	1308.611	1305.741	1308.611
35.0	1261.910	1264.016	1266.450	1268.212	1270.422	1268.212	1266.450	1264.016	1261.910	1264.016
37.5	1216.678	1217.320	1219.829	1221.935	1223.979	1221.935	1219.829	1217.320	1216.678	1217.320
40.0	1168.885	1168.612	1171.563	1173.773	1175.678	1173.773	1171.563	1168.612	1168.885	1168.612
42.5	1117.992	1117.620	1120.478	1122.966	1125.176	1122.966	1120.478	1117.620	1117.992	1117.620
45.0	1063.052	1064.149	1067.451	1069.869	1072.100	1069.869	1067.451	1064.149	1063.052	1064.149
47.5	1006.642	1008.683	1011.998	1015.284	1016.597	1015.284	1011.998	1008.683	1006.642	1008.683
50.0	949.824	952.000	955.118	958.937	959.470	958.937	955.118	952.000	949.824	952.000
52.5	892.185	893.760	897.023	900.546	901.225	900.546	897.023	893.760	892.185	893.760
55.0	832.647	833.752	837.806	840.923	841.503	840.923	837.806	833.752	832.647	833.752
57.5	770.994	772.738	776.997	780.426	780.036	780.426	776.997	772.738	770.994	772.738
60.0	708.191	710.705	714.553	718.765	717.600	718.765	714.553	710.705	708.191	710.705
62.5	644.966	648.203	651.680	655.767	654.623	655.767	651.680	648.203	644.966	648.203
65.0	581.794	585.827	588.606	591.986	591.139	591.986	588.606	585.827	581.794	585.827
67.5	519.137	522.285	525.634	528.811	527.158	528.811	525.634	522.285	519.137	522.285
70.0	455.975	458.845	462.925	465.483	463.172	465.483	462.925	458.845	455.975	458.845
72.5	392.761	396.432	399.355	402.633	400.241	402.633	399.355	396.432	392.761	396.432
75.0	330.104	335.262	337.173	340.236	337.490	340.236	337.173	335.262	330.104	335.262
77.5	269.534	274.274	276.817	278.148	275.969	278.148	276.817	274.274	269.534	274.274
80.0	210.488	214.362	216.468	217.506	214.937	217.506	216.468	214.362	210.488	214.362
82.5	153.280	155.909	157.461	158.483	156.052	158.483	157.461	155.909	153.280	155.909
85.0	97.495	99.702	100.599	101.938	99.853	101.938	100.599	99.702	97.495	99.702
87.5	44.593	46.483	46.792	48.298	46.465	48.298	46.792	46.483	44.593	46.483
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. 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	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700	1602.700
2.5	1600.687	1600.539	1601.064	1600.539	1600.687	1601.158	1601.096
5.0	1595.532	1594.884	1595.729	1594.884	1595.532	1595.586	1595.326
7.5	1586.374	1586.221	1586.759	1586.221	1586.374	1586.328	1586.153
10.0	1573.510	1573.289	1573.913	1573.289	1573.510	1573.343	1573.177
12.5	1556.932	1557.304	1557.949	1557.304	1556.932	1556.805	1556.753
15.0	1537.518	1537.856	1538.826	1537.856	1537.518	1536.922	1536.961
17.5	1514.438	1515.056	1516.026	1515.056	1514.438	1513.863	1513.587
20.0	1488.581	1488.583	1490.265	1488.583	1488.581	1487.528	1486.984
22.5	1458.387	1459.211	1460.662	1459.211	1458.387	1457.477	1457.360
25.0	1425.689	1426.971	1428.307	1426.971	1425.689	1424.636	1424.142
27.5	1389.853	1391.237	1393.254	1391.237	1389.853	1388.717	1388.366
30.0	1351.168	1352.551	1355.279	1352.551	1351.168	1350.146	1348.006
32.5	1310.059	1311.716	1314.417	1311.716	1310.059	1308.611	1305.741
35.0	1266.450	1268.212	1270.422	1268.212	1266.450	1264.016	1261.910
37.5	1219.829	1221.935	1223.979	1221.935	1219.829	1217.320	1216.678
40.0	1171.563	1173.773	1175.678	1173.773	1171.563	1168.612	1168.885
42.5	1120.478	1122.966	1125.176	1122.966	1120.478	1117.620	1117.992
45.0	1067.451	1069.869	1072.100	1069.869	1067.451	1064.149	1063.052
47.5	1011.998	1015.284	1016.597	1015.284	1011.998	1008.683	1006.642
50.0	955.118	958.937	959.470	958.937	955.118	952.000	949.824
52.5	897.023	900.546	901.225	900.546	897.023	893.760	892.185
55.0	837.806	840.923	841.503	840.923	837.806	833.752	832.647
57.5	776.997	780.426	780.036	780.426	776.997	772.738	770.994
60.0	714.553	718.765	717.600	718.765	714.553	710.705	708.191
62.5	651.680	655.767	654.623	655.767	651.680	648.203	644.966
65.0	588.606	591.986	591.139	591.986	588.606	585.827	581.794
67.5	525.634	528.811	527.158	528.811	525.634	522.285	519.137
70.0	462.925	465.483	463.172	465.483	462.925	458.845	455.975
72.5	399.355	402.633	400.241	402.633	399.355	396.432	392.761
75.0	337.173	340.236	337.490	340.236	337.173	335.262	330.104
77.5	276.817	278.148	275.969	278.148	276.817	274.274	269.534
80.0	216.468	217.506	214.937	217.506	216.468	214.362	210.488

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CANDELA TABULATION - (Cont.)

82.5	157.461	158.483	156.052	158.483	157.461	155.909	153.280
85.0	100.599	101.938	99.853	101.938	100.599	99.702	97.495
87.5	46.792	48.298	46.465	48.298	46.792	46.483	44.593
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	585.49	N.A.	12.60
0-30	1242.58	N.A.	26.70
0-40	2034.67	N.A.	43.70
0-60	3606.09	N.A.	77.40
0-80	4544.19	N.A.	97.60
0-90	4656.09	N.A.	100.00
10-90	4504.49	N.A.	96.70
20-40	1449.18	N.A.	31.10
20-50	2272.29	N.A.	48.80
40-70	2153.61	N.A.	46.30
60-80	938.11	N.A.	20.10
70-80	355.91	N.A.	7.60
80-90	111.89	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	4656.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	151.59
10-20	433.90
20-30	657.08
30-40	792.10
40-50	823.11
50-60	748.30
60-70	582.19
70-80	355.91
80-90	111.89
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

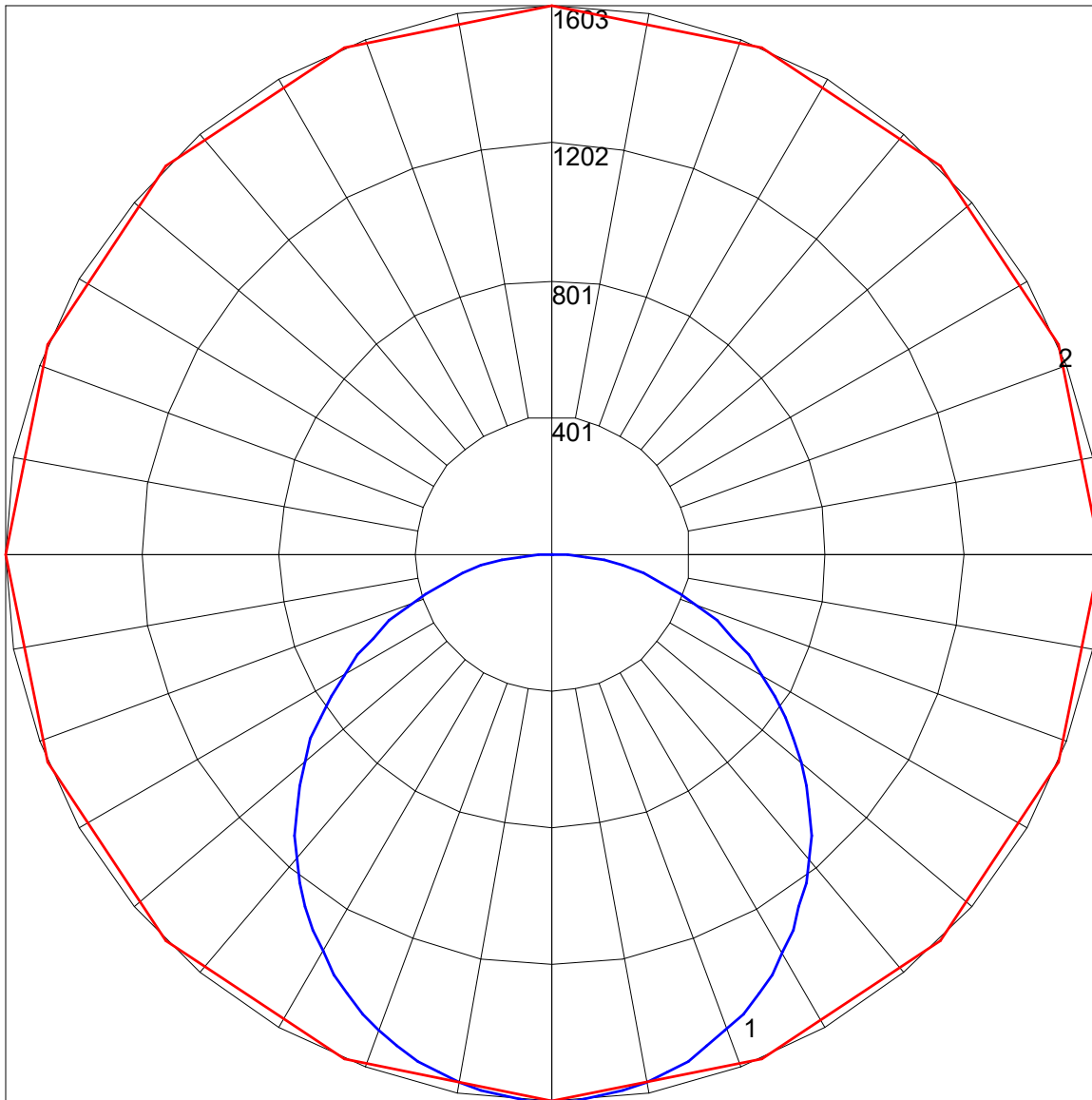
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1602.7 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.)