



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8644-LED35-HO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] P8644-LED35-HO
 [TESTLAB] Intertek
 [ISSUE DATE]
 [MANUFAC] Prudential Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11558
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	121
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	10256	10172	10143
55	9893	9761	9803
65	9430	9227	9260
75	8810	8505	8387
85	8239	7435	7161

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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	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902
2.5	4016.607	4019.208	4011.201	4017.678	4014.669	4016.505	4011.405	4014.669	4012.017	4014.669
5.0	4001.919	4000.134	4004.724	4000.542	4003.398	4000.797	3999.624	4002.684	3996.768	4002.684
7.5	3978.204	3982.896	3980.244	3980.601	3979.734	3977.337	3974.991	3975.297	3971.013	3975.297
10.0	3945.105	3945.615	3945.003	3941.943	3946.635	3945.207	3942.759	3942.045	3926.949	3942.045
12.5	3908.691	3908.895	3900.276	3905.886	3904.050	3903.132	3898.032	3900.480	3891.504	3900.480
15.0	3860.292	3855.855	3848.103	3853.764	3853.713	3854.784	3850.602	3848.766	3833.109	3848.766
17.5	3802.509	3795.675	3788.994	3794.043	3796.236	3796.746	3789.657	3787.209	3774.255	3787.209
20.0	3739.473	3730.599	3731.364	3727.029	3727.692	3722.286	3724.275	3717.339	3701.172	3717.339
22.5	3662.310	3657.363	3655.629	3654.609	3654.150	3654.609	3645.531	3647.265	3624.927	3647.265
25.0	3583.056	3573.213	3573.468	3577.191	3576.528	3569.796	3568.011	3560.055	3545.214	3560.055
27.5	3499.518	3477.078	3482.841	3485.799	3483.555	3481.209	3474.783	3467.235	3445.560	3467.235
30.0	3395.937	3385.635	3380.841	3389.256	3384.309	3385.227	3375.996	3369.723	3347.130	3369.723
32.5	3296.232	3281.136	3280.422	3280.371	3280.269	3274.761	3268.029	3266.499	3243.345	3266.499
35.0	3194.283	3168.987	3168.732	3174.189	3171.945	3165.570	3156.288	3153.840	3125.688	3153.840
37.5	3070.506	3054.747	3053.421	3054.390	3050.208	3044.292	3040.773	3038.937	3006.501	3038.937
40.0	2947.239	2934.642	2931.378	2933.724	2925.615	2928.420	2919.852	2912.559	2885.325	2912.559
42.5	2823.717	2804.388	2803.419	2807.703	2796.636	2799.237	2790.159	2784.090	2757.519	2784.090
45.0	2697.492	2667.147	2675.409	2671.533	2667.810	2660.058	2658.018	2646.645	2621.196	2646.645
47.5	2559.078	2520.063	2529.294	2532.405	2527.764	2520.777	2517.717	2507.466	2474.112	2507.466
50.0	2410.515	2389.605	2382.618	2385.474	2377.518	2376.498	2365.686	2364.054	2336.412	2364.054
52.5	2257.617	2234.769	2238.951	2236.350	2237.676	2227.119	2222.886	2215.032	2185.299	2215.032
55.0	2110.686	2081.259	2082.585	2087.736	2091.459	2079.576	2071.620	2061.318	2033.829	2061.318
57.5	1963.704	1929.432	1934.226	1927.443	1931.268	1927.953	1911.378	1911.531	1881.543	1911.531
60.0	1805.706	1775.769	1772.403	1770.006	1770.006	1762.764	1756.185	1750.014	1718.904	1750.014
62.5	1643.934	1614.813	1610.274	1615.272	1613.283	1609.458	1595.739	1594.362	1564.017	1594.362
65.0	1482.315	1457.682	1450.491	1445.952	1455.642	1443.402	1437.129	1433.610	1401.735	1433.610
67.5	1329.621	1293.054	1292.493	1291.371	1292.799	1289.076	1276.122	1272.909	1249.194	1272.909
70.0	1167.543	1136.637	1133.985	1127.355	1129.650	1125.825	1123.071	1116.951	1081.914	1116.951
72.5	1006.383	976.242	976.140	967.215	963.951	961.758	958.851	954.720	929.373	954.720
75.0	848.181	824.874	818.805	817.326	807.381	808.860	803.250	802.332	782.391	802.332
77.5	701.199	669.732	663.612	661.164	657.186	650.607	654.024	656.115	628.983	656.115
80.0	547.995	521.679	522.699	505.002	509.184	504.849	507.348	501.840	486.744	501.840
82.5	403.410	377.094	379.083	371.892	360.519	364.497	362.457	361.488	340.986	361.488
85.0	267.087	244.137	241.026	232.407	232.152	232.305	228.225	229.194	213.639	229.194
87.5	137.139	115.362	112.608	112.761	112.914	105.519	105.621	101.898	87.414	101.898
90.0	24.633	11.781	5.865	8.976	11.220	11.628	6.069	8.058	4.386	8.058
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. 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	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902	4018.902
2.5	4011.405	4016.505	4014.669	4017.678	4011.201	4019.208	4016.607
5.0	3999.624	4000.797	4003.398	4000.542	4004.724	4000.134	4001.919
7.5	3974.991	3977.337	3979.734	3980.601	3980.244	3982.896	3978.204
10.0	3942.759	3945.207	3946.635	3941.943	3945.003	3945.615	3945.105
12.5	3898.032	3903.132	3904.050	3905.886	3900.276	3908.895	3908.691
15.0	3850.602	3854.784	3853.713	3853.764	3848.103	3855.855	3860.292
17.5	3789.657	3796.746	3796.236	3794.043	3788.994	3795.675	3802.509
20.0	3724.275	3722.286	3727.692	3727.029	3731.364	3730.599	3739.473
22.5	3645.531	3654.609	3654.150	3654.609	3655.629	3657.363	3662.310
25.0	3568.011	3569.796	3576.528	3577.191	3573.468	3573.213	3583.056
27.5	3474.783	3481.209	3483.555	3485.799	3482.841	3477.078	3499.518
30.0	3375.996	3385.227	3384.309	3389.256	3380.841	3385.635	3395.937
32.5	3268.029	3274.761	3280.269	3280.371	3280.422	3281.136	3296.232
35.0	3156.288	3165.570	3171.945	3174.189	3168.732	3168.987	3194.283
37.5	3040.773	3044.292	3050.208	3054.390	3053.421	3054.747	3070.506
40.0	2919.852	2928.420	2925.615	2933.724	2931.378	2934.642	2947.239
42.5	2790.159	2799.237	2796.636	2807.703	2803.419	2804.388	2823.717
45.0	2658.018	2660.058	2667.810	2671.533	2675.409	2667.147	2697.492
47.5	2517.717	2520.777	2527.764	2532.405	2529.294	2520.063	2559.078
50.0	2365.686	2376.498	2377.518	2385.474	2382.618	2389.605	2410.515
52.5	2222.886	2227.119	2237.676	2236.350	2238.951	2234.769	2257.617
55.0	2071.620	2079.576	2091.459	2087.736	2082.585	2081.259	2110.686
57.5	1911.378	1927.953	1931.268	1927.443	1934.226	1929.432	1963.704
60.0	1756.185	1762.764	1770.006	1770.006	1772.403	1775.769	1805.706
62.5	1595.739	1609.458	1613.283	1615.272	1610.274	1614.813	1643.934
65.0	1437.129	1443.402	1455.642	1445.952	1450.491	1457.682	1482.315
67.5	1276.122	1289.076	1292.799	1291.371	1292.493	1293.054	1329.621
70.0	1123.071	1125.825	1129.650	1127.355	1133.985	1136.637	1167.543
72.5	958.851	961.758	963.951	967.215	976.140	976.242	1006.383
75.0	803.250	808.860	807.381	817.326	818.805	824.874	848.181
77.5	654.024	650.607	657.186	661.164	663.612	669.732	701.199
80.0	507.348	504.849	509.184	505.002	522.699	521.679	547.995

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82.5	362.457	364.497	360.519	371.892	379.083	377.094	403.410
85.0	228.225	232.305	232.152	232.407	241.026	244.137	267.087
87.5	105.621	105.519	112.914	112.761	112.608	115.362	137.139
90.0	6.069	11.628	11.220	8.976	5.865	11.781	24.633
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	1466.92	N.A.	12.70
0-30	3111.52	N.A.	26.90
0-40	5091.02	N.A.	44.00
0-60	9000.94	N.A.	77.90
0-80	11291.81	N.A.	97.70
0-90	11556.81	N.A.	100.00
10-90	11176.69	N.A.	96.70
20-40	3624.1	N.A.	31.40
20-50	5676.94	N.A.	49.10
40-70	5341.74	N.A.	46.20
60-80	2290.87	N.A.	19.80
70-80	859.04	N.A.	7.40
80-90	265.01	N.A.	2.30
90-110	1.34	N.A.	0.00
90-120	1.34	N.A.	0.00
90-130	1.34	N.A.	0.00
90-150	1.34	N.A.	0.00
90-180	1.34	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	11558.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	380.13
10-20	1086.79
20-30	1644.59
30-40	1979.51
40-50	2052.84
50-60	1857.08
60-70	1431.82
70-80	859.04
80-90	265.01
90-100	1.34
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

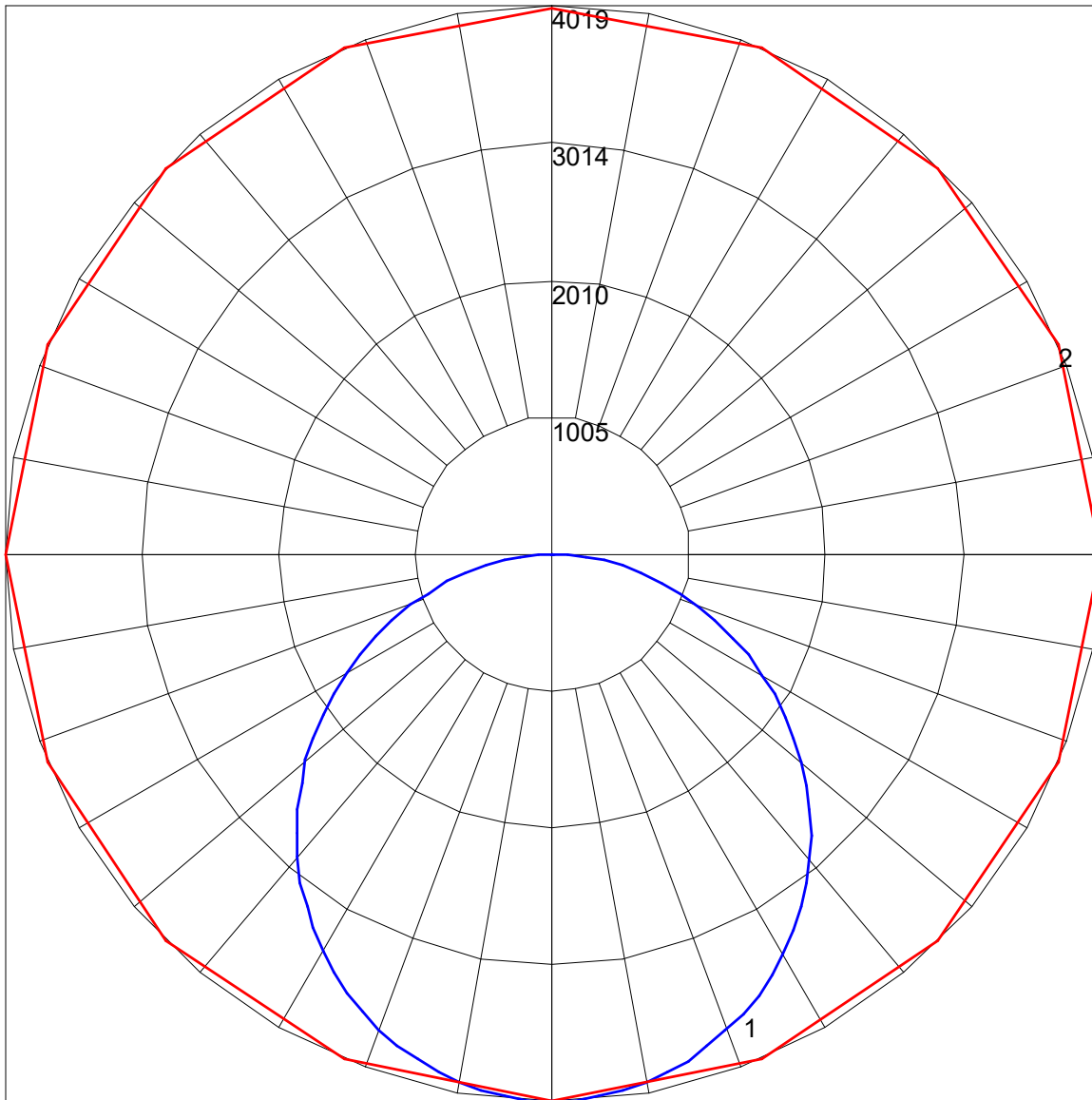
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4019.208 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.)