



IES INDOOR REPORT

PHOTOMETRIC FILENAME : P8622-LED35-MO.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	1994
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	27
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	1770	1755	1750
55	1707	1684	1692
65	1627	1592	1598
75	1520	1468	1447
85	1422	1283	1236

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CANDELA TABULATION

	0.0	22.5	45.0	67.5	90.0	112.5	135.0	157.5	180.0	202.5
0.0	693.458	693.458	693.458	693.458	693.458	693.458	693.458	693.458	693.458	693.458
2.5	693.062	693.510	692.129	693.246	692.727	693.044	692.164	692.727	692.270	692.727
5.0	690.527	690.219	691.011	690.290	690.782	690.334	690.131	690.659	689.638	690.659
7.5	686.435	687.245	686.787	686.849	686.699	686.286	685.881	685.934	685.194	685.934
10.0	680.724	680.812	680.706	680.178	680.988	680.742	680.319	680.196	677.591	680.196
12.5	674.441	674.476	672.989	673.957	673.640	673.482	672.602	673.024	671.475	673.024
15.0	666.090	665.324	663.986	664.963	664.954	665.139	664.418	664.101	661.399	664.101
17.5	656.119	654.940	653.787	654.658	655.037	655.125	653.902	653.479	651.244	653.479
20.0	645.242	643.711	643.843	643.095	643.210	642.277	642.620	641.423	638.634	641.423
22.5	631.928	631.074	630.775	630.599	630.520	630.599	629.033	629.332	625.478	629.332
25.0	618.253	616.554	616.598	617.241	617.126	615.965	615.657	614.284	611.723	614.284
27.5	603.838	599.966	600.961	601.471	601.084	600.679	599.570	598.268	594.528	598.268
30.0	585.966	584.188	583.361	584.813	583.959	584.118	582.525	581.442	577.544	581.442
32.5	568.762	566.157	566.034	566.025	566.007	565.057	563.895	563.631	559.636	563.631
35.0	551.170	546.806	546.762	547.703	547.316	546.216	544.614	544.192	539.334	544.192
37.5	529.813	527.094	526.865	527.032	526.310	525.290	524.682	524.366	518.769	524.366
40.0	508.543	506.370	505.806	506.211	504.812	505.296	503.818	502.559	497.860	502.559
42.5	487.230	483.894	483.727	484.466	482.557	483.006	481.439	480.392	475.807	480.392
45.0	465.450	460.214	461.639	460.970	460.328	458.990	458.638	456.676	452.285	456.676
47.5	441.566	434.834	436.427	436.964	436.163	434.958	434.430	432.661	426.906	432.661
50.0	415.932	412.324	411.118	411.611	410.238	410.062	408.197	407.915	403.146	407.915
52.5	389.550	385.607	386.329	385.880	386.109	384.287	383.557	382.202	377.071	382.202
55.0	364.197	359.119	359.348	360.237	360.879	358.829	357.456	355.678	350.935	355.678
57.5	338.835	332.922	333.749	332.578	333.238	332.666	329.806	329.833	324.658	329.833
60.0	311.573	306.407	305.826	305.413	305.413	304.163	303.028	301.963	296.595	301.963
62.5	283.659	278.634	277.851	278.714	278.370	277.710	275.343	275.106	269.870	275.106
65.0	255.772	251.522	250.281	249.498	251.170	249.058	247.975	247.368	241.868	247.368
67.5	229.425	223.115	223.018	222.825	223.071	222.429	220.194	219.639	215.547	219.639
70.0	201.458	196.126	195.668	194.524	194.920	194.260	193.785	192.729	186.683	192.729
72.5	173.650	168.450	168.432	166.892	166.329	165.950	165.449	164.736	160.362	164.736
75.0	146.353	142.331	141.284	141.029	139.313	139.568	138.600	138.442	135.001	138.442
77.5	120.991	115.562	114.506	114.083	113.397	112.262	112.851	113.212	108.530	113.212
80.0	94.556	90.015	90.191	87.138	87.859	87.111	87.542	86.592	83.987	86.592
82.5	69.608	65.067	65.410	64.170	62.207	62.894	62.542	62.374	58.837	62.374
85.0	46.086	42.126	41.589	40.102	40.058	40.084	39.380	39.547	36.863	39.547
87.5	23.663	19.906	19.430	19.457	19.483	18.207	18.225	17.582	15.083	17.582
90.0	4.250	2.033	1.012	1.549	1.936	2.006	1.047	1.390	0.757	1.390
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. Angles **Horizontal Angles**

	225.0	247.5	270.0	292.5	315.0	337.5	360.0
0.0	693.458	693.458	693.458	693.458	693.458	693.458	693.458
2.5	692.164	693.044	692.727	693.246	692.129	693.510	693.062
5.0	690.131	690.334	690.782	690.290	691.011	690.219	690.527
7.5	685.881	686.286	686.699	686.849	686.787	687.245	686.435
10.0	680.319	680.742	680.988	680.178	680.706	680.812	680.724
12.5	672.602	673.482	673.640	673.957	672.989	674.476	674.441
15.0	664.418	665.139	664.954	664.963	663.986	665.324	666.090
17.5	653.902	655.125	655.037	654.658	653.787	654.940	656.119
20.0	642.620	642.277	643.210	643.095	643.843	643.711	645.242
22.5	629.033	630.599	630.520	630.599	630.775	631.074	631.928
25.0	615.657	615.965	617.126	617.241	616.598	616.554	618.253
27.5	599.570	600.679	601.084	601.471	600.961	599.966	603.838
30.0	582.525	584.118	583.959	584.813	583.361	584.188	585.966
32.5	563.895	565.057	566.007	566.025	566.034	566.157	568.762
35.0	544.614	546.216	547.316	547.703	546.762	546.806	551.170
37.5	524.682	525.290	526.310	527.032	526.865	527.094	529.813
40.0	503.818	505.296	504.812	506.211	505.806	506.370	508.543
42.5	481.439	483.006	482.557	484.466	483.727	483.894	487.230
45.0	458.638	458.990	460.328	460.970	461.639	460.214	465.450
47.5	434.430	434.958	436.163	436.964	436.427	434.834	441.566
50.0	408.197	410.062	410.238	411.611	411.118	412.324	415.932
52.5	383.557	384.287	386.109	385.880	386.329	385.607	389.550
55.0	357.456	358.829	360.879	360.237	359.348	359.119	364.197
57.5	329.806	332.666	333.238	332.578	333.749	332.922	338.835
60.0	303.028	304.163	305.413	305.413	305.826	306.407	311.573
62.5	275.343	277.710	278.370	278.714	277.851	278.634	283.659
65.0	247.975	249.058	251.170	249.498	250.281	251.522	255.772
67.5	220.194	222.429	223.071	222.825	223.018	223.115	229.425
70.0	193.785	194.260	194.920	194.524	195.668	196.126	201.458
72.5	165.449	165.950	166.329	166.892	168.432	168.450	173.650
75.0	138.600	139.568	139.313	141.029	141.284	142.331	146.353
77.5	112.851	112.262	113.397	114.083	114.506	115.562	120.991
80.0	87.542	87.111	87.859	87.138	90.191	90.015	94.556

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82.5	62.542	62.894	62.207	64.170	65.410	65.067	69.608
85.0	39.380	40.084	40.058	40.102	41.589	42.126	46.086
87.5	18.225	18.207	19.483	19.457	19.430	19.906	23.663
90.0	1.047	2.006	1.936	1.549	1.012	2.033	4.250
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	253.12	N.A.	12.70
0-30	536.89	N.A.	26.90
0-40	878.45	N.A.	44.00
0-60	1553.1	N.A.	77.90
0-80	1948.39	N.A.	97.70
0-90	1994.12	N.A.	100.00
10-90	1928.53	N.A.	96.70
20-40	625.34	N.A.	31.40
20-50	979.55	N.A.	49.10
40-70	921.71	N.A.	46.20
60-80	395.29	N.A.	19.80
70-80	148.23	N.A.	7.40
80-90	45.73	N.A.	2.30
90-110	0.23	N.A.	0.00
90-120	0.23	N.A.	0.00
90-130	0.23	N.A.	0.00
90-150	0.23	N.A.	0.00
90-180	0.23	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1994.35	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.59
10-20	187.53
20-30	283.77
30-40	341.56
40-50	354.22
50-60	320.44
60-70	247.06
70-80	148.23
80-90	45.73
90-100	0.23
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

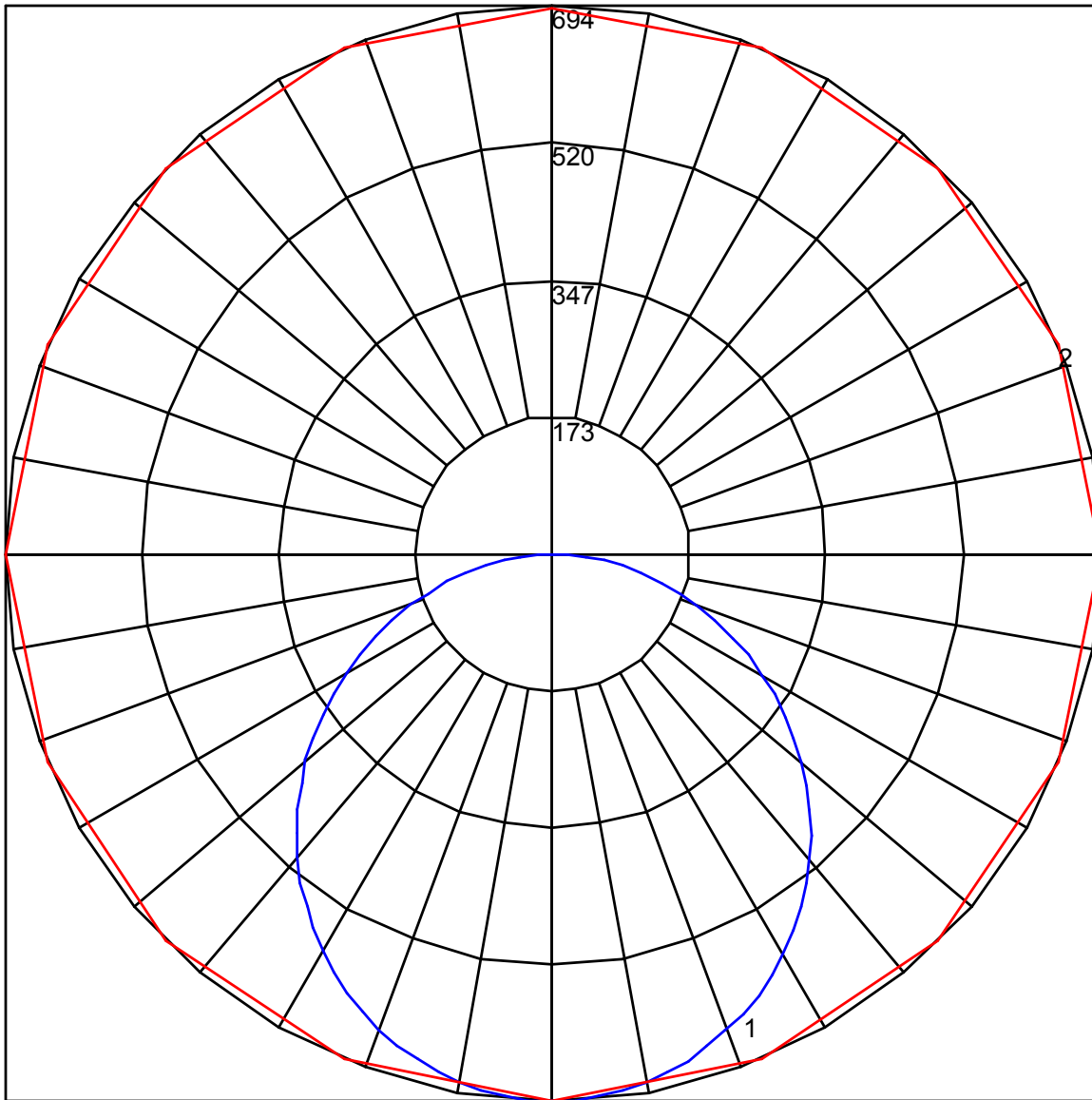
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	69	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 = 693.51 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.)