



IES INDOOR REPORT

PHOTOMETRIC FILENAME : WALWV-LED35-MO-SD.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] WALWV-LED35-MO-SD (indirect)

[TESTLAB]INTERTEK

[ISSUE DATE] 7-20-18

[MANUFAC] PRUDENTIAL

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3078
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	28
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	5.710	7.092	6.926	8.640	6.156	6.552	5.364	4.745	3.067	4.745
95.0	11.556	12.658	13.334	94.255	16.423	17.042	16.992	15.494	15.962	15.494
97.5	19.778	22.795	190.865	161.654	32.839	32.306	35.323	33.638	36.094	33.638
100.0	86.710	443.405	424.814	226.505	56.707	51.185	56.779	57.823	62.539	57.823
102.5	714.859	678.024	517.241	292.298	85.507	72.389	80.129	83.765	87.523	83.765
105.0	832.320	777.953	600.890	351.137	119.369	95.688	104.206	108.965	114.955	108.965
107.5	920.981	861.660	676.649	413.323	153.857	119.671	128.938	134.863	140.278	134.863
110.0	996.314	935.021	743.868	471.067	191.383	145.678	154.231	159.804	165.917	159.804
112.5	1060.294	994.630	799.106	525.290	229.586	169.603	178.625	185.018	189.806	185.018
115.0	1113.430	1044.086	844.070	576.036	268.042	194.566	202.709	209.254	214.906	209.254
117.5	1156.457	1088.165	887.054	623.822	304.884	216.972	226.735	232.150	236.714	232.150
120.0	1190.729	1116.799	922.867	665.906	343.066	238.903	249.574	255.010	259.855	255.010
122.5	1209.204	1139.767	958.212	704.030	377.748	258.134	271.714	276.466	281.426	276.466
125.0	1225.166	1160.215	988.661	740.570	414.072	275.220	293.450	297.202	300.967	297.202
127.5	1240.452	1179.778	1012.565	772.344	447.264	292.486	313.121	316.735	320.227	316.735
130.0	1253.664	1192.990	1034.100	799.942	479.671	307.303	331.171	334.930	338.645	334.930
132.5	1262.628	1202.854	1048.766	827.057	510.422	323.122	348.329	353.196	354.967	353.196

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CANDELA TABULATION - (Cont.)

135.0	1267.776	1211.501	1064.045	847.152	540.382	338.544	362.189	369.216	372.312	369.216
137.5	1270.649	1216.109	1077.782	864.569	568.231	355.255	373.550	383.933	386.035	383.933
140.0	1267.157	1216.836	1086.019	877.385	594.662	377.078	383.796	396.670	400.126	396.670
142.5	1263.953	1215.562	1090.188	889.042	619.603	399.946	392.645	407.419	411.307	407.419
145.0	1256.270	1213.222	1090.591	901.591	642.334	424.310	399.514	415.973	420.487	415.973
147.5	1245.240	1206.259	1088.935	907.855	664.574	450.950	406.462	421.891	426.931	421.891
150.0	1231.387	1194.696	1081.440	911.909	684.763	478.022	412.841	425.995	431.374	425.995
152.5	1214.712	1179.929	1071.727	911.938	702.360	507.269	422.698	429.293	433.260	429.293
155.0	1194.566	1160.842	1060.459	911.117	719.662	535.464	437.537	432.151	434.930	432.151
157.5	1171.728	1138.824	1044.770	908.438	733.421	564.898	461.419	436.471	436.838	436.471
160.0	1143.641	1112.270	1028.290	904.176	747.562	593.525	489.182	449.611	445.550	449.611
162.5	1111.342	1083.204	1008.158	897.386	758.995	622.030	522.713	475.142	466.560	475.142
165.0	1077.034	1049.782	985.025	889.481	770.249	650.686	558.518	507.888	499.615	507.888
167.5	1037.376	1013.386	957.535	880.193	779.882	679.414	596.210	547.769	539.683	547.769
170.0	995.285	974.736	929.470	867.960	787.795	705.449	635.746	592.063	586.476	592.063
172.5	951.293	932.558	897.516	853.114	793.382	730.642	676.793	642.974	637.834	642.974
175.0	902.390	886.673	863.554	836.402	796.342	755.971	716.213	693.007	690.890	693.007
177.5	849.982	840.413	829.274	817.985	798.343	778.889	754.380	742.601	747.014	742.601
180.0	796.068	796.068	796.068	796.068	796.068	796.068	796.068	796.068	796.068	796.068

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
32.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
37.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
42.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
47.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
52.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	5.364	6.552	6.156	8.640	6.926	7.092	5.710
95.0	16.992	17.042	16.423	94.255	13.334	12.658	11.556
97.5	35.323	32.306	32.839	161.654	190.865	22.795	19.778
100.0	56.779	51.185	56.707	226.505	424.814	443.405	86.710
102.5	80.129	72.389	85.507	292.298	517.241	678.024	714.859
105.0	104.206	95.688	119.369	351.137	600.890	777.953	832.320
107.5	128.938	119.671	153.857	413.323	676.649	861.660	920.981
110.0	154.231	145.678	191.383	471.067	743.868	935.021	996.314
112.5	178.625	169.603	229.586	525.290	799.106	994.630	1060.294
115.0	202.709	194.566	268.042	576.036	844.070	1044.086	1113.430
117.5	226.735	216.972	304.884	623.822	887.054	1088.165	1156.457
120.0	249.574	238.903	343.066	665.906	922.867	1116.799	1190.729
122.5	271.714	258.134	377.748	704.030	958.212	1139.767	1209.204
125.0	293.450	275.220	414.072	740.570	988.661	1160.215	1225.166
127.5	313.121	292.486	447.264	772.344	1012.565	1179.778	1240.452
130.0	331.171	307.303	479.671	799.942	1034.100	1192.990	1253.664
132.5	348.329	323.122	510.422	827.057	1048.766	1202.854	1262.628
135.0	362.189	338.544	540.382	847.152	1064.045	1211.501	1267.776
137.5	373.550	355.255	568.231	864.569	1077.782	1216.109	1270.649
140.0	383.796	377.078	594.662	877.385	1086.019	1216.836	1267.157
142.5	392.645	399.946	619.603	889.042	1090.188	1215.562	1263.953
145.0	399.514	424.310	642.334	901.591	1090.591	1213.222	1256.270
147.5	406.462	450.950	664.574	907.855	1088.935	1206.259	1245.240
150.0	412.841	478.022	684.763	911.909	1081.440	1194.696	1231.387
152.5	422.698	507.269	702.360	911.938	1071.727	1179.929	1214.712
155.0	437.537	535.464	719.662	911.117	1060.459	1160.842	1194.566
157.5	461.419	564.898	733.421	908.438	1044.770	1138.824	1171.728
160.0	489.182	593.525	747.562	904.176	1028.290	1112.270	1143.641
162.5	522.713	622.030	758.995	897.386	1008.158	1083.204	1111.342
165.0	558.518	650.686	770.249	889.481	985.025	1049.782	1077.034
167.5	596.210	679.414	779.882	880.193	957.535	1013.386	1037.376
170.0	635.746	705.449	787.795	867.960	929.470	974.736	995.285
172.5	676.793	730.642	793.382	853.114	897.516	932.558	951.293
175.0	716.213	755.971	796.342	836.402	863.554	886.673	902.390
177.5	754.380	778.889	798.343	817.985	829.274	840.413	849.982
180.0	796.068	796.068	796.068	796.068	796.068	796.068	796.068

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	388.30	N.A.	12.60
90-120	881.73	N.A.	28.60
90-130	1432.53	N.A.	46.50
90-150	2432.27	N.A.	79.00
90-180	3078.24	N.A.	100.00
110-180	2689.94	N.A.	87.40
0-180	3078.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	50.35
100-110	337.95
110-120	493.43
120-130	550.81
130-140	535.77
140-150	463.97
150-160	351.10
160-170	219.39
170-180	75.48

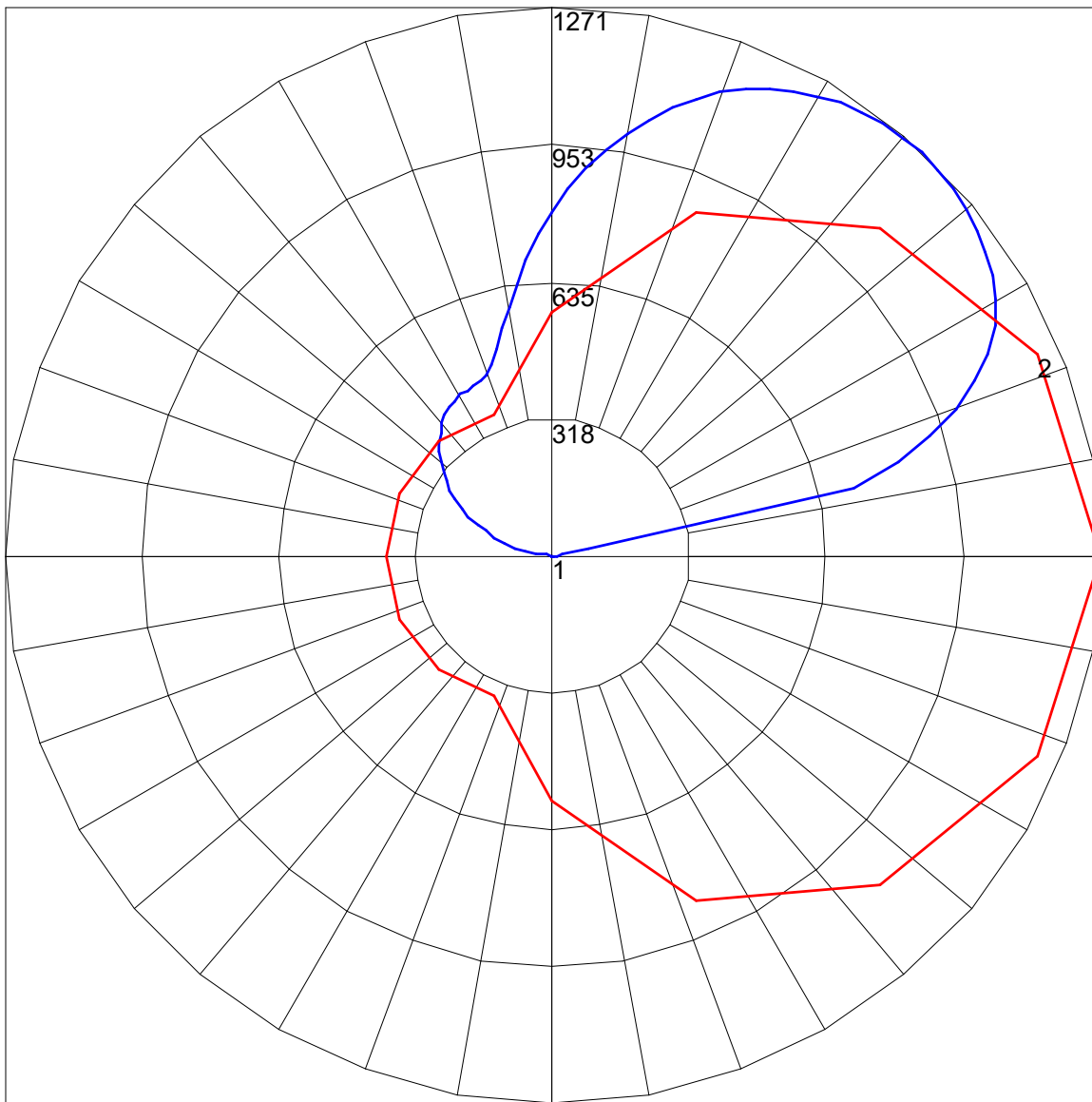
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1270.649 Located At Horizontal Angle = 0, Vertical Angle = 137.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (137.5) (Through Max. Cd.)