



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WALWVP2T8.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-1995  
[TEST] 15342  
[MANUFAC]PRUDENTIAL LIGHTING WALL MT LUMINAIRE  
[LUMCAT]WAL-WV-P-4-2T8  
[LUMINAIRE]WITH WHITE INTERIOR AND WHITE LENS OVER PERFORATIONS  
[LAMP]TWO PHILIPS 32 WATT T8 LAMPS  
[LAMPCAT]F32T8/TL835. LUMEN RATING = 2950 LMS.  
[OTHER]ONE SYLVANIA QT2X32/120 IS-SC BALLAST OPERATING AT 120 VAC

**CHARACTERISTICS**

Total Rated Lamp Lumens	5900 (2 lamps)
Total Luminaire Efficiency	74.3 %
CIE Type	Indirect
Spacing Criteria (0-180)	N.A.
Spacing Criteria (90-270)	N.A.
Spacing Criteria (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	4.00 ft
Luminous Width (90-270)	0.60 ft
Luminous Height	0.00 ft



**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	262	532	685
55	214	587	791
65	153	669	972
75	68	805	1285
85	26	1368	2704

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**CANDELA TABULATION**

	<u>0</u>	<u>22.5</u>	<u>45</u>	<u>67.5</u>	<u>90</u>	<u>112.5</u>	<u>135</u>	<u>157.5</u>	<u>180</u>	<u>202.5</u>
0	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5	74.3	75.2	78.7	76.8	79.4	76.8	78.7	75.2	74.3	72.5
5	74.7	76.1	80.4	80.4	83.9	80.4	80.4	76.1	74.7	71.6
7.5	72.9	78.7	82	82	86.5	82	82	78.7	72.9	69
10	72.1	77.8	82	86.5	88.2	86.5	82	77.8	72.1	66.6
12.5	71.2	77.8	85.6	89.1	93.4	89.1	85.6	77.8	71.2	64.7
15	71.2	77.8	86.5	91.7	94.3	91.7	86.5	77.8	71.2	63.1
17.5	68.6	78.7	88.2	92.5	97.7	92.5	88.2	78.7	68.6	59.5
20	67.8	77.8	89.1	95.1	100.3	95.1	89.1	77.8	67.8	56.2
22.5	65.7	76.8	89.1	96	102.9	96	89.1	76.8	65.7	53.6
25	63.5	76.1	89.8	97.7	104.8	97.7	89.8	76.1	63.5	51
27.5	61.4	75.2	90.8	99.6	102.9	99.6	90.8	75.2	61.4	48.4
30	59.6	74.2	89.1	100.3	107.4	100.3	89.1	74.2	59.6	45.8
32.5	57.4	72.5	89.8	101.2	108.1	101.2	89.8	72.5	57.4	41.3
35	53.9	71.6	89.1	103.8	107.4	103.8	89.1	71.6	53.9	39.6
37.5	51.3	68.3	88.2	103.8	107.4	103.8	88.2	68.3	51.3	37
40	47.4	69	87.2	102.2	109	102.2	87.2	69	47.4	31.8
42.5	45.3	64.7	85.6	102.2	109	102.2	85.6	64.7	45.3	28.2
45	41.3	62.1	83.9	100.3	108.1	100.3	83.9	62.1	41.3	25.6
47.5	37.9	58.8	82	99.6	107.4	99.6	82	58.8	37.9	23
50	35.2	56.9	79.4	98.6	106.4	98.6	79.4	56.9	35.2	20.4
52.5	31.4	53.6	77.8	97.7	104.8	97.7	77.8	53.6	31.4	17.1
55	27.4	50	75.2	95.1	101.2	95.1	75.2	50	27.4	13.5
57.5	24.8	48.4	71.6	93.4	100.3	93.4	71.6	48.4	24.8	12.6
60	20.9	43.9	70.9	90.8	96	90.8	70.9	43.9	20.9	9.3
62.5	17.1	39.6	67.3	89.1	95.1	89.1	67.3	39.6	17.1	6.7
65	14.4	35.3	63.1	84.6	91.7	84.6	63.1	35.3	14.4	5.7
67.5	11.8	31.8	58.8	81.3	87.2	81.3	58.8	31.8	11.8	4.1
70	9.6	29.2	56.2	76.8	83	76.8	56.2	29.2	9.6	3.1
72.5	6.2	25.6	51.7	72.5	79.4	72.5	51.7	25.6	6.2	2.2
75	3.9	22.3	46.5	67.3	74.2	67.3	46.5	22.3	3.9	0.5
77.5	2.3	18.7	43.2	63.1	68.3	63.1	43.2	18.7	2.3	0.5
80	0.5	16.1	37	57.9	62.1	57.9	37	16.1	0.5	0.5
82.5	0.5	13.5	31.8	51.7	58.8	51.7	31.8	13.5	0.5	0.5
85	0.5	9.3	26.6	46.5	52.6	46.5	26.6	9.3	0.5	0.5
87.5	0.5	4.8	20.4	40.6	44.8	40.6	20.4	4.8	0.5	0.5
90	0.5	6.9	29.9	39.8	47.7	39.8	29.9	6.9	0.5	0.5
92.5	15.7	76.1	72.5	113.3	97.7	113.3	72.5	76.1	15.7	14.5
95	45.3	180.1	170.7	215.9	199.3	215.9	170.7	180.1	45.3	32.7
97.5	89	265.2	310.5	346	315.7	346	310.5	265.2	89	57.9
100	143.8	370.4	425	552.7	468.3	552.7	425	370.4	143.8	89.1
102.5	201	392	516.2	601.3	599.6	601.3	516.2	392	201	105.5
105	263.1	435.4	614.3	700.1	694.2	700.1	614.3	435.4	263.1	156.7
107.5	327.8	478.8	702.7	804.4	792.3	804.4	702.7	478.8	327.8	197.7
110	393.3	522.4	776.7	904.2	898.9	904.2	776.7	522.4	393.3	238.4
112.5	454.9	564.8	811.3	983.3	996.3	983.3	811.3	564.8	454.9	295.8
115	515.4	611.7	839.9	1041.4	1072.7	1041.4	839.9	611.7	515.4	352.2
117.5	574.7	657.7	866.9	1063.2	1130	1063.2	866.9	657.7	574.7	413.8
120	632.1	708.9	896.3	1081.4	1150.9	1081.4	896.3	708.9	632.1	471.9
122.5	688	780.9	926.9	1105.6	1163.9	1105.6	926.9	780.9	688	529.2
125	741.1	807	957.2	1114.4	1176	1114.4	957.2	807	741.1	552.7
127.5	792.7	861.7	985	1130	1187.1	1130	985	861.7	792.7	635.2
130	840.4	912.9	1012	1149	1197.6	1149	1012	912.9	840.4	684.7
132.5	890.3	966.7	1039.7	1168.2	1212.5	1168.2	1039.7	966.7	890.3	736.6

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135	936.7	1012	1067.4	1183.8	1226.2	1183.8	1067.4	1012	936.7	787.8
137.5	979.8	1055.4	1096.1	1196.8	1237.6	1196.8	1096.1	1055.4	979.8	835.7
140	1023.2	1092.6	1124.8	1210.6	1247.1	1210.6	1124.8	1092.6	1023.2	884.2
142.5	1063.1	1130	1150.9	1227.2	1258.5	1227.2	1150.9	1130	1063.1	930.2
145	1101.2	1182.9	1181.2	1249.7	1267.9	1249.7	1181.2	1182.9	1101.2	977.2
147.5	1136.4	1196.8	1214.1	1256.6	1280	1256.6	1214.1	1196.8	1136.4	995.4
150	1170.8	1227.2	1246.4	1273.2	1289.7	1273.2	1246.4	1227.2	1170.8	1060.6
152.5	1200.6	1253.2	1273.2	1295	1301.8	1295	1273.2	1253.2	1200.6	1096.8
155	1228.5	1277.4	1295.7	1317.5	1318.4	1317.5	1295.7	1277.4	1228.5	1132.6
157.5	1255.9	1297.6	1317.5	1337.4	1339	1337.4	1317.5	1297.6	1255.9	1169.8
160	1279.7	1316.5	1334.8	1352.1	1356.6	1352.1	1334.8	1316.5	1279.7	1201.1
162.5	1300.1	1330.5	1348.8	1362.5	1367	1362.5	1348.8	1330.5	1300.1	1234.1
165	1317.8	1343.5	1359.2	1370.3	1374.8	1370.3	1359.2	1343.5	1317.8	1263.7
167.5	1333.1	1356.6	1367	1375.5	1380	1375.5	1367	1356.6	1333.1	1289.7
170	1345.2	1359.9	1369.6	1374.8	1380	1374.8	1369.6	1359.9	1345.2	1300.9
172.5	1354.7	1364.4	1370.3	1370.3	1375.5	1370.3	1370.3	1364.4	1354.7	1331.2
175	1362.1	1367	1367	1364.4	1369.6	1364.4	1367	1367	1362.1	1345.2
177.5	1366.1	1364.4	1362.5	1355.6	1359.2	1355.6	1362.5	1364.4	1366.1	1355.6
180	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4

**Vert. Angles**      **Horizontal Angles**

	<u>225</u>	<u>247.5</u>	<u>270</u>	<u>292.5</u>	<u>315</u>	<u>337.5</u>	<u>360</u>
0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5	73.5	69.9	72.5	69.9	73.5	72.5	74.3
5	70.9	66.6	68.3	66.6	70.9	71.6	74.7
7.5	68.3	63.1	65.7	63.1	68.3	69	72.9
10	65.7	59.5	61.4	59.5	65.7	66.6	72.1
12.5	62.1	56.2	57.9	56.2	62.1	64.7	71.2
15	58.8	52.6	54.3	52.6	58.8	63.1	71.2
17.5	53.6	48.4	50	48.4	53.6	59.5	68.6
20	47.4	44.8	44.8	44.8	47.4	56.2	67.8
22.5	48.4	42.2	43.2	42.2	48.4	53.6	65.7
25	44.8	38.7	38.7	38.7	44.8	51	63.5
27.5	42.2	33.4	34.4	33.4	42.2	48.4	61.4
30	37.9	30.8	32.7	30.8	37.9	45.8	59.6
32.5	36	28.2	28.2	28.2	36	41.3	57.4
35	30.8	24.9	24	24.9	30.8	39.6	53.9
37.5	27.5	21.4	25.6	21.4	27.5	37	51.3
40	24	18.7	18.7	18.7	24	31.8	47.4
42.5	19.7	17.1	16.1	17.1	19.7	28.2	45.3
45	19.7	14.5	12.6	14.5	19.7	25.6	41.3
47.5	17.1	12.6	12.6	12.6	17.1	23	37.9
50	13.5	9.3	10	9.3	13.5	20.4	35.2
52.5	11.9	9.3	7.4	9.3	11.9	17.1	31.4
55	11.9	6.7	7.4	6.7	11.9	13.5	27.4
57.5	9.3	6.7	6.7	6.7	9.3	12.6	24.8
60	7.4	5.7	6.7	5.7	7.4	9.3	20.9
62.5	5.7	3.1	3.1	3.1	5.7	6.7	17.1
65	4.8	3.1	4.8	3.1	4.8	5.7	14.4
67.5	3.1	3.1	3.1	3.1	3.1	4.1	11.8
70	3.1	2.2	2.2	2.2	3.1	3.1	9.6
72.5	2.2	1.4	0.5	1.4	2.2	2.2	6.2
75	2.2	0.5	0.5	0.5	2.2	0.5	3.9
77.5	0.5	0.5	0.5	0.5	0.5	0.5	2.3
80	0.5	0.5	0.5	0.5	0.5	0.5	0.5

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**CANDELA TABULATION - (Cont.)**

82.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85	0.5	0.5	0.5	0.5	0.5	0.5	0.5
87.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90	0.5	0.5	0.5	0.5	0.5	0.5	0.5
92.5	19.7	6.7	12.6	6.7	19.7	14.5	15.7
95	39.6	33.4	37	33.4	39.6	32.7	45.3
97.5	60.5	50	54.3	50	60.5	57.9	89
100	89.1	69	72.5	69	89.1	89.1	143.8
102.5	122.1	83	102.9	83	122.1	105.5	201
105	157.6	128.2	134.2	128.2	157.6	156.7	263.1
107.5	194.1	162.8	169	162.8	194.1	197.7	327.8
110	230.6	196.7	204.6	196.7	230.6	238.4	393.3
112.5	267.8	238.4	239.2	238.4	267.8	295.8	454.9
115	307.9	273	276.6	273	307.9	352.2	515.4
117.5	347	313.1	314.8	313.1	347	413.8	574.7
120	392	345.1	352.9	345.1	392	471.9	632.1
122.5	441.5	389.4	392	389.4	441.5	529.2	688
125	497	408.6	430.2	408.6	497	552.7	741.1
127.5	552.7	471.9	468.3	471.9	552.7	635.2	792.7
130	610	522.4	515.2	522.4	610	684.7	840.4
132.5	670.7	575.2	568.3	575.2	670.7	736.6	890.3
135	725.5	632.6	622.8	632.6	725.5	787.8	936.7
137.5	776.7	687.3	678.5	687.3	776.7	835.7	979.8
140	822.6	745.4	732.3	745.4	822.6	884.2	1023.2
142.5	869.6	800.8	793	800.8	869.6	930.2	1063.1
145	912	853	847	853	912	977.2	1101.2
147.5	954.6	874.8	893.7	874.8	954.6	995.4	1136.4
150	991.8	939.7	934.7	939.7	991.8	1060.6	1170.8
152.5	1032.6	979.8	975.5	979.8	1032.6	1096.8	1200.6
155	1071	1017	1012.7	1017	1071	1132.6	1228.5
157.5	1110.8	1057	1052.8	1057	1110.8	1169.8	1255.9
160	1146.4	1093.5	1090	1093.5	1146.4	1201.1	1279.7
162.5	1177.6	1130.7	1127.4	1130.7	1177.6	1234.1	1300.1
165	1210.6	1166.5	1162	1166.5	1210.6	1263.7	1317.8
167.5	1240.2	1200.2	1202.1	1200.2	1240.2	1289.7	1333.1
170	1272.2	1215.1	1230.7	1215.1	1272.2	1300.9	1345.2
172.5	1301.8	1264.4	1266.3	1264.4	1301.8	1331.2	1354.7
175	1326.2	1299.2	1299.2	1299.2	1326.2	1345.2	1362.1
177.5	1344.3	1326.2	1328.8	1326.2	1344.3	1355.6	1366.1
180	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4	1354.4

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-30	57.98	1	1.3
0-40	95.45	1.6	2.2
0-60	172.49	2.9	3.9
0-90	244.14	4.1	5.6
90-120	1071.04	18.2	24.4
90-130	1734.44	29.4	39.6
90-150	3098.94	52.5	39.6
90-180	4137.86	70.1	94.4
0-180	4382	74.3	100

Total Luminaire Efficiency = 74.3%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	7.07
10-20	20.22
20-30	30.69
30-40	37.48
40-50	39.4
50-60	37.64
60-70	32.13
70-80	24.06
80-90	15.45
90-100	123.43
100-110	379.37
110-120	568.23
120-130	663.4
130-140	700.96
140-150	663.54
150-160	548.1
160-170	363.24
170-180	127.59

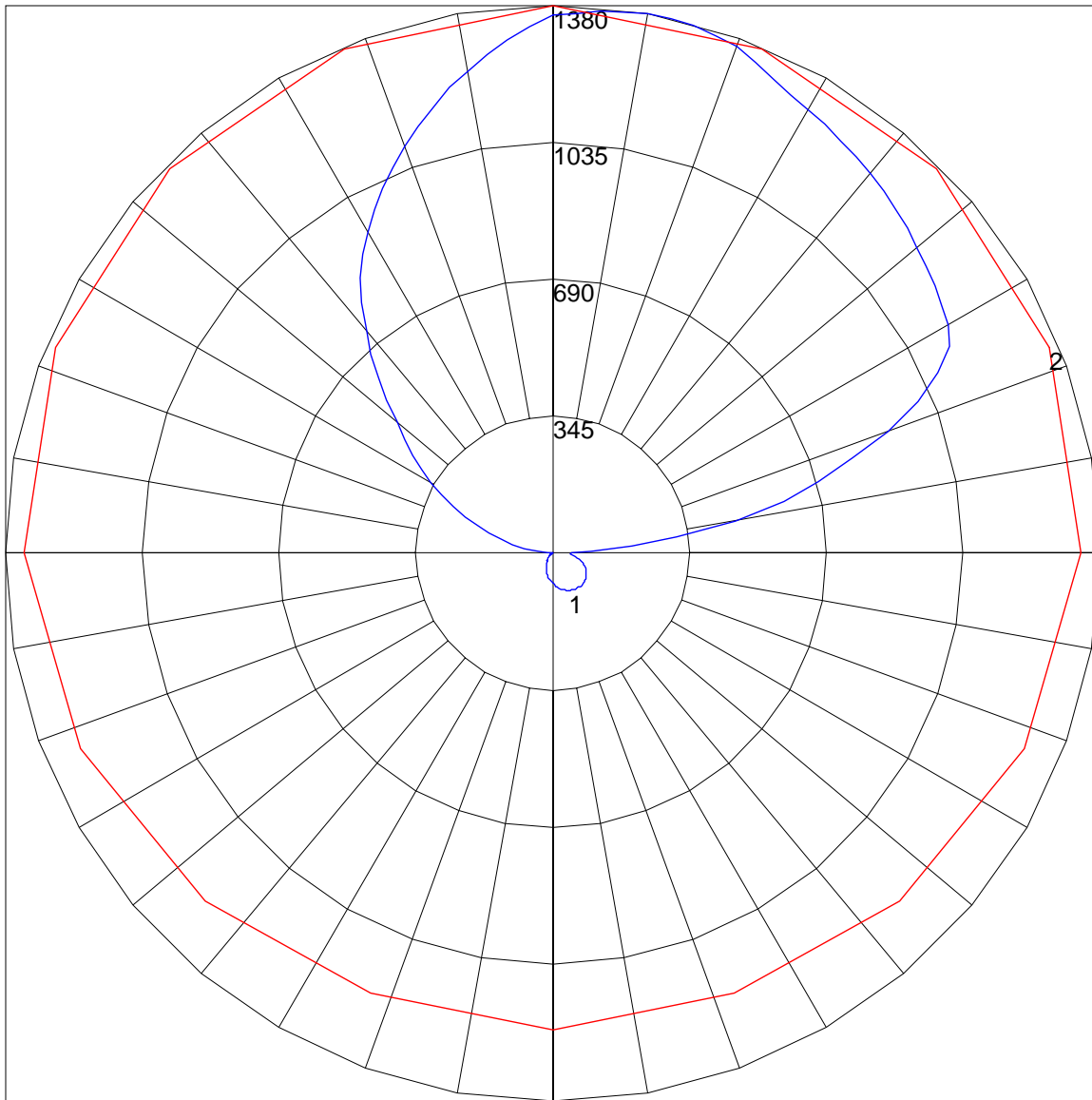
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	72	72	72	72	62	62	62	62	44	44	44	27	27	27	11	11	11	4
1	65	62	59	57	56	54	51	49	38	36	35	23	23	22	10	10	9	3
2	59	54	50	46	51	47	43	40	33	31	29	20	19	18	9	8	8	3
3	54	47	42	38	46	41	37	34	29	26	24	18	16	15	8	7	7	2
4	49	42	36	32	42	36	32	28	26	23	20	16	14	13	7	6	6	2
5	45	37	31	27	39	32	27	24	23	20	17	14	12	11	6	5	5	2
6	41	33	27	23	35	29	24	21	20	17	15	13	11	9	5	5	4	1
7	38	30	24	20	33	26	21	18	18	15	13	11	10	8	5	4	4	1
8	35	27	21	18	30	23	19	15	16	13	11	10	8	7	4	4	3	1
9	32	24	19	15	28	21	17	14	15	12	10	9	8	6	4	3	3	1
10	30	22	17	14	26	19	15	12	14	11	9	9	7	6	4	3	3	1

POLAR GRAPH



Maximum Candela = 1380 Located At Horizontal Angle = 90, Vertical Angle = 167.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (167.5) (Through Max. Cd.)