

IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-MCW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUE DATE] 11/21/2024

[MANUFAC] Prudential Lighting

[LUMCAT] WV2-LED35-80-SO-4'-SAL-TMW-D9-MCW-SC-UNV-DM01

[LUMINAIRE] LED PENDANT LUMINAIRE

[BALLASTCAT] OPTOTRONIC OTi 50/120-277/1A4 DIM-1 L G2

[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND

[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.

[TEST PROCEDURE] IESNA:LM-79-19

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4326
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	36
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)	0.58 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>
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
68	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91	4.56	14.44	6.08	5.32	3.04	2.28	3.04	4.56	4.56
92	10.64	51.68	37.24	35.72	14.44	9.88	34.96	34.20	10.64
93	17.48	91.20	95.00	90.44	60.80	51.68	90.44	79.04	17.48
94	25.84	112.48	179.36	186.96	153.52	133.00	180.12	106.40	25.84
95	34.20	126.16	268.28	307.80	243.20	241.68	266.00	120.08	34.96
96	44.84	142.88	310.84	423.32	370.12	363.28	330.60	135.28	45.60
97	54.72	160.36	367.84	517.56	480.32	465.88	367.84	152.76	56.24
98	66.88	177.08	389.12	578.36	571.52	544.16	389.88	171.76	67.64
99	78.28	188.48	408.88	625.48	637.64	601.16	410.40	184.68	80.56
100	91.20	202.16	427.12	656.64	686.28	637.64	429.40	195.32	93.48
101	104.12	218.88	446.88	688.56	722.76	668.80	451.44	208.24	106.40
102	117.80	240.16	469.68	716.68	756.20	698.44	473.48	226.48	120.08
103	132.24	264.48	493.24	748.60	792.68	730.36	500.84	253.08	133.76
104	145.92	285.00	518.32	779.00	826.88	759.24	524.40	274.36	148.20
105	161.12	299.44	539.60	812.44	864.12	792.68	544.92	296.40	162.64
106	175.56	308.56	555.56	845.12	901.36	824.60	560.88	304.76	179.36
107	190.00	317.68	570.00	877.80	939.36	859.56	575.32	313.88	192.28
108	205.20	328.32	585.20	908.20	977.36	890.72	590.52	323.76	209.00
109	220.40	338.96	601.92	936.32	1014.60	921.88	606.48	334.40	222.68

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CANDELA TABULATION - (Cont.)

110	235.60	350.36	623.96	959.88	1050.32	949.24	625.48	345.80	239.40
111	251.56	361.00	646.76	981.16	1079.96	971.28	652.08	357.20	253.84
112	265.24	372.40	679.44	1001.68	1109.60	992.56	685.52	367.84	270.56
113	280.44	383.04	708.32	1022.20	1134.68	1012.32	719.72	378.48	285.76
114	295.64	392.92	737.96	1041.96	1159.00	1032.84	748.60	389.12	300.96
115	310.84	404.32	757.72	1064.76	1181.80	1051.84	768.36	399.76	316.92
116	326.80	414.96	771.40	1088.32	1204.60	1074.64	777.48	411.16	332.12
117	343.52	427.88	776.72	1117.96	1227.40	1100.48	780.52	422.56	348.08
118	357.20	439.28	778.24	1146.84	1250.96	1131.64	781.28	434.72	363.28
119	374.68	453.72	780.52	1174.96	1279.08	1162.04	783.56	447.64	378.48
120	388.36	466.64	783.56	1194.72	1309.48	1187.88	786.60	462.08	393.68
121	405.08	481.08	787.36	1208.40	1336.08	1206.88	791.16	475.76	409.64
122	418.76	496.28	791.16	1211.44	1357.36	1216.00	794.96	490.20	424.84
123	435.48	509.20	795.72	1206.88	1369.52	1215.24	799.52	504.64	440.04
124	449.16	524.40	800.28	1198.52	1374.08	1207.64	804.08	518.32	455.24
125	465.88	537.32	804.84	1190.92	1368.00	1199.28	807.88	532.76	470.44
126	481.08	551.76	808.64	1183.32	1356.60	1190.92	812.44	547.20	485.64
127	496.28	565.44	813.20	1175.72	1345.20	1183.32	816.24	560.12	500.84
128	511.48	579.12	817.00	1168.12	1332.28	1175.72	820.04	574.56	516.04
129	525.92	592.80	820.04	1160.52	1320.12	1168.12	823.84	587.48	530.48
130	540.36	606.48	823.84	1152.92	1307.96	1160.52	826.88	601.92	545.68
131	554.80	619.40	826.88	1145.32	1295.80	1152.92	830.68	614.08	560.88
132	570.00	632.32	831.44	1136.96	1282.88	1144.56	834.48	628.52	574.56
133	583.68	645.24	835.24	1128.60	1269.96	1136.20	838.28	641.44	590.52
134	598.12	657.40	839.80	1120.24	1257.04	1127.84	842.84	653.60	603.44
135	612.56	670.32	844.36	1111.88	1243.36	1118.72	846.64	666.52	618.64
136	626.24	682.48	848.92	1102.76	1229.68	1110.36	851.96	678.68	630.80
137	639.92	694.64	853.48	1094.40	1216.00	1101.24	856.52	691.60	646.00
138	652.84	706.80	858.80	1085.28	1201.56	1092.88	861.84	703.00	658.92
139	665.76	718.20	863.36	1077.68	1187.12	1084.52	866.40	715.16	671.84
140	678.68	729.60	868.68	1069.32	1173.44	1076.16	871.72	725.80	684.76
141	691.60	740.24	873.24	1061.72	1159.76	1067.80	875.52	737.20	697.68
142	705.28	750.88	877.04	1054.12	1145.32	1060.20	880.08	747.84	709.84
143	716.68	761.52	881.60	1047.28	1133.16	1052.60	883.88	758.48	722.00
144	729.60	771.40	885.40	1041.20	1120.24	1046.52	888.44	769.12	733.40
145	739.48	781.28	889.20	1035.12	1109.60	1039.68	892.24	779.00	745.56
146	752.40	791.16	893.00	1029.04	1097.44	1034.36	896.04	788.88	756.20
147	763.80	800.28	896.80	1023.72	1087.56	1028.28	899.08	798.00	767.60
148	773.68	809.40	899.84	1018.40	1077.68	1022.96	902.88	807.12	778.24
149	784.32	817.76	902.88	1013.08	1067.80	1017.64	905.92	815.48	788.12
150	794.20	826.12	905.92	1008.52	1058.68	1012.32	908.96	824.60	798.00
151	804.08	834.48	909.72	1003.96	1049.56	1007.00	911.24	832.20	808.64
152	813.20	842.08	912.00	999.40	1041.96	1003.20	914.28	840.56	817.00
153	823.08	849.68	915.04	994.84	1033.60	998.64	916.56	848.16	826.88
154	831.44	857.28	917.32	991.04	1026.00	994.08	918.84	855.00	836.00
155	839.80	863.36	919.60	987.24	1019.16	990.28	921.12	861.84	844.36
156	848.16	870.96	921.88	983.44	1012.32	986.48	923.40	868.68	851.96
157	855.76	876.28	924.16	979.64	1006.24	982.68	925.68	874.76	859.56
158	864.12	883.12	925.68	976.60	1000.16	978.88	927.20	881.60	867.16
159	870.20	888.44	927.20	973.56	994.08	975.84	928.72	886.92	874.00
160	877.80	893.76	929.48	970.52	989.52	972.80	931.00	893.00	880.84
161	883.88	899.08	931.00	967.48	984.20	969.76	932.52	897.56	886.92
162	890.72	903.64	932.52	965.20	979.64	967.48	934.04	902.88	893.00
163	896.04	908.20	934.04	962.92	975.84	965.20	934.80	907.44	898.32
164	902.12	912.76	934.80	960.64	972.04	962.16	936.32	911.24	903.64
165	906.68	916.56	936.32	958.36	968.24	960.64	937.08	915.80	908.96

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CANDELA TABULATION - (Cont.)

166	912.00	920.36	937.08	956.84	965.20	958.36	938.60	919.60	913.52
167	915.80	923.40	938.60	955.32	962.16	956.84	939.36	922.64	918.08
168	920.36	926.44	939.36	953.80	959.88	955.32	940.12	925.68	921.88
169	924.16	929.48	940.12	952.28	957.60	953.80	940.88	928.72	925.68
170	927.96	932.52	940.88	950.76	956.08	952.28	941.64	931.76	929.48
171	931.00	934.80	941.64	950.00	953.80	950.76	942.40	934.04	931.76
172	933.28	937.08	942.40	948.48	952.28	950.00	943.16	936.32	934.80
173	936.32	938.60	943.16	947.72	950.76	949.24	943.16	938.60	937.08
174	938.60	940.12	943.16	946.96	950.00	947.72	943.92	940.12	939.36
175	940.12	941.64	943.92	946.96	948.48	946.96	943.92	941.64	940.88
176	941.64	942.40	943.92	946.20	948.48	946.96	944.68	942.40	942.40
177	943.16	943.92	944.68	945.44	947.72	946.20	944.68	943.16	943.16
178	943.92	943.92	944.68	945.44	946.96	945.44	944.68	943.92	943.92
179	944.68	944.68	944.68	945.44	946.96	945.44	944.68	944.68	944.68
180	945.44	945.44	945.44	945.44	945.44	945.44	945.44	945.44	945.44

IES INDOOR REPORT
PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-MCW.IES

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	780.03	N.A.	18.00
90-120	1511.88	N.A.	35.00
90-130	2282.75	N.A.	52.80
90-150	3541.79	N.A.	81.90
90-180	4325.56	N.A.	100.00
110-180	3545.53	N.A.	82.00
0-180	4325.56	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	216.33
100-110	563.70
110-120	731.85
120-130	770.88
130-140	688.50
140-150	570.53
150-160	428.13
160-170	265.59
170-180	90.06

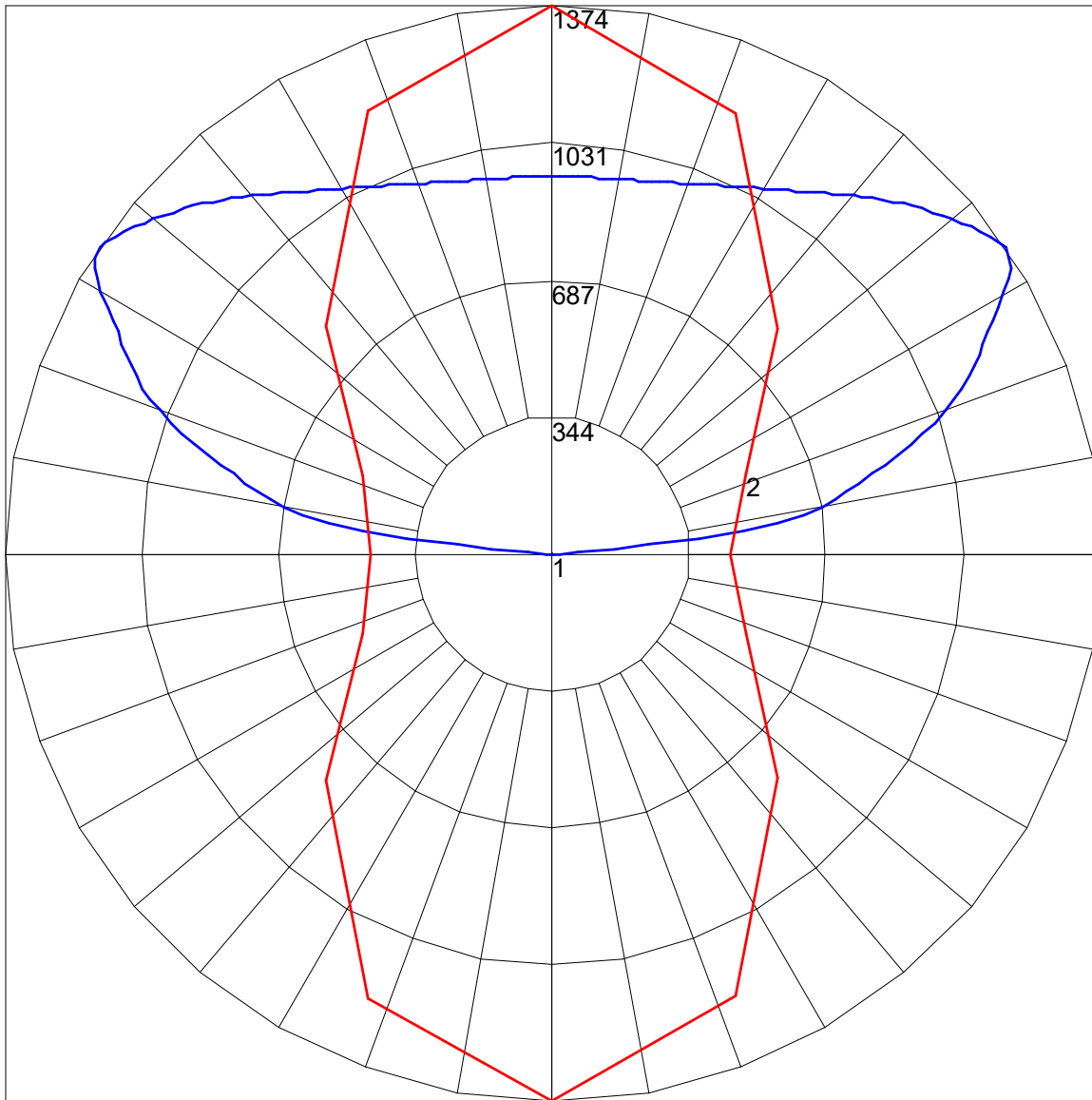
IES INDOOR REPORT
PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-MCW.IES

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	27	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 = 1374.08 Located At Horizontal Angle = 90, Vertical Angle = 124
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (124) (Through Max. Cd.)