

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-SCW.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-D2-SCW-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	4999
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	5.32	22.80	8.36	6.08	3.04	1.52	5.32	8.36	4.56
92	12.16	74.48	34.96	24.32	15.96	12.92	34.20	44.84	10.64
93	19.00	27.36	77.52	47.88	32.68	32.68	72.96	87.40	19.00
94	29.64	131.48	53.96	18.24	6.84	3.04	50.92	118.56	29.64
95	41.04	157.32	177.84	129.20	100.32	104.12	174.80	145.92	40.28
96	53.20	180.88	220.40	175.56	137.56	149.72	219.64	169.48	53.20
97	66.88	206.72	257.64	220.40	179.36	193.04	258.40	193.80	67.64
98	81.32	230.28	288.04	260.68	218.12	234.08	292.60	218.12	82.08
99	95.76	253.08	323.00	298.68	262.96	275.88	325.28	241.68	97.28
100	111.72	277.40	353.40	333.64	301.72	310.84	354.92	258.40	112.48
101	127.68	303.24	383.80	365.56	335.92	345.80	386.84	288.80	129.96
102	144.40	329.84	413.44	395.20	367.84	375.44	415.72	314.64	145.16
103	161.12	361.76	446.88	425.60	397.48	406.60	449.16	344.28	163.40
104	178.60	389.88	478.04	455.24	426.36	436.24	481.84	375.44	180.88
105	196.08	413.44	513.00	486.40	456.00	466.64	515.28	400.52	198.36
106	212.80	428.64	545.68	520.60	486.40	497.80	551.00	418.76	215.84
107	231.04	444.60	582.92	552.52	517.56	531.24	585.20	435.48	233.32
108	248.52	462.08	617.88	589.76	551.00	565.44	623.20	452.20	251.56
109	262.20	480.32	657.40	624.72	585.96	601.16	661.96	470.44	269.04

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**CANDELA TABULATION - (Cont.)**

110	282.72	499.32	699.96	665.76	621.68	638.40	702.24	490.20	286.52
111	300.20	518.32	740.24	701.48	658.92	676.40	744.80	508.44	304.76
112	318.44	538.08	786.60	747.08	698.44	717.44	789.64	528.96	322.24
113	335.92	557.08	829.16	791.16	741.00	759.24	834.48	547.20	340.48
114	354.92	576.84	874.76	836.76	782.04	804.08	877.80	568.48	357.96
115	370.88	597.36	915.80	885.40	829.16	850.44	920.36	586.72	375.44
116	389.88	616.36	956.08	936.32	877.04	899.84	958.36	608.00	392.92
117	407.36	635.36	991.80	988.76	929.48	956.08	994.84	627.76	411.92
118	424.84	654.36	1024.48	1043.48	979.64	1003.96	1026.76	646.76	427.88
119	441.56	673.36	1056.40	1093.64	1035.88	1060.96	1060.20	665.76	446.88
120	459.04	691.60	1088.32	1145.32	1088.32	1108.84	1092.12	684.76	463.60
121	475.76	710.60	1119.48	1195.48	1145.32	1164.32	1124.04	703.00	481.08
122	36.48	728.08	1149.88	1243.36	1199.28	1209.16	1155.96	721.24	497.80
123	509.20	745.56	1179.52	1288.96	1251.72	1260.84	1183.32	738.72	514.52
124	525.92	762.28	446.12	572.28	543.40	542.64	451.44	72.20	531.24
125	542.64	778.24	1231.96	1374.84	1352.04	1349.00	1235.76	772.16	547.20
126	558.60	793.44	1255.52	1415.88	1399.16	1390.80	1260.08	788.12	563.92
127	575.32	808.64	1276.80	1454.64	1444.00	1431.08	1279.84	803.32	579.88
128	591.28	823.08	1295.04	1491.88	1488.08	1469.84	1298.84	819.28	595.84
129	607.24	836.00	1311.00	1529.12	1532.16	1506.32	1315.56	832.20	611.80
130	622.44	848.92	1325.44	1558.00	1569.40	1539.76	1329.24	846.64	627.76
131	638.40	861.84	1336.08	1586.88	1608.16	1569.40	1340.64	858.80	643.72
132	652.84	873.24	1345.96	1608.92	1639.32	1596.00	1349.76	870.96	658.92
133	668.04	885.40	1353.56	1631.72	1672.00	1618.04	1357.36	883.12	674.12
134	684.76	895.28	1358.12	1646.16	1695.56	1637.80	1362.68	893.76	689.32
135	699.96	905.92	1361.92	1659.84	1719.12	1653.00	1365.72	904.40	703.76
136	715.16	915.04	1363.44	1668.20	1735.08	1664.40	1367.24	914.28	719.72
137	729.60	924.92	1363.44	1673.52	1749.52	1672.00	1368.00	924.16	733.40
138	744.04	934.04	1362.68	1675.04	1757.88	1676.56	1366.48	933.28	748.60
139	757.72	942.40	1359.64	1673.52	1762.44	1677.32	1364.20	942.40	762.28
140	772.16	950.76	1356.60	1668.96	1763.20	1675.04	1360.40	950.76	777.48
141	785.84	958.36	1351.28	1662.12	1760.16	1669.72	1355.84	958.36	789.64
142	798.76	966.72	1345.96	1651.48	1754.08	1660.60	1350.52	965.96	804.84
143	813.20	972.80	1339.12	1640.08	1743.44	1650.72	1343.68	973.56	816.24
144	826.12	980.40	1332.28	1626.40	1731.28	1637.80	1336.84	980.40	830.68
145	839.04	986.48	1324.68	1611.96	1716.08	1624.88	1328.48	987.24	843.60
146	851.20	993.32	1316.32	1594.48	1699.36	1607.40	1320.12	993.32	856.52
147	864.12	999.40	1307.96	1577.00	1680.36	1591.44	1310.24	1000.16	868.68
148	876.28	1004.72	1298.84	1558.00	1659.84	1572.44	1301.88	1005.48	880.84
149	888.44	1010.80	1288.96	1538.24	1637.80	1552.68	1292.76	1011.56	893.00
150	899.84	1016.12	1279.84	1517.72	1615.00	1532.16	1282.88	1016.88	904.40
151	912.00	1021.44	1269.96	1495.68	1590.68	1511.64	1273.00	1022.20	915.80
152	162.64	266.00	500.08	715.16	45.60	730.36	503.88	266.00	927.20
153	934.80	1030.56	1250.20	1452.36	1540.52	1469.08	1253.24	1031.32	937.84
154	943.92	1035.12	1240.32	1429.56	1513.16	1447.04	1243.36	1035.88	947.72
155	955.32	1039.68	1231.20	1408.28	1488.84	1425.00	1234.24	1040.44	958.36
156	964.44	1044.24	1222.08	1386.24	1461.48	1402.96	1224.36	1044.24	968.24
157	975.08	1047.28	1212.20	1365.72	1436.40	1381.68	1214.48	1048.04	978.12
158	983.44	1051.84	1203.08	1343.68	1409.04	1359.64	1205.36	1052.60	987.24
159	993.32	1054.88	1193.96	1324.68	1386.24	1339.12	1197.76	1055.64	996.36
160	1002.44	1058.68	1185.60	1303.40	1358.88	1317.84	1187.88	1058.68	1004.72
161	1010.80	1061.72	1177.24	1285.16	1336.84	1299.60	1179.52	1061.72	1013.84
162	1018.40	1064.76	1168.88	1265.40	1312.52	1279.08	1171.16	1065.52	1022.20
163	1026.00	1067.04	1161.28	1247.92	1290.48	1261.60	1162.80	1067.80	1029.04
164	1033.60	1070.08	1153.68	1231.20	1268.44	1243.36	1155.20	1070.84	1035.88
165	1040.44	1073.12	1146.84	1214.48	1249.44	1227.40	1147.60	1073.12	1042.72

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CANDELA TABULATION - (Cont.)

166	1046.52	1075.40	1140.00	1199.28	1229.68	1209.92	1141.52	1075.40	1048.80
167	1052.60	1076.92	1133.16	1184.84	1211.44	1194.72	1134.68	1077.68	1054.88
168	1057.92	1079.20	1127.84	1171.16	1194.72	1181.04	1128.60	1079.96	1059.44
169	1063.24	1080.72	1121.76	1159.00	1178.76	1167.36	1122.52	1081.48	1064.76
170	1067.80	1083.00	1116.44	1146.84	1164.32	1155.20	1117.96	1083.00	1069.32
171	1072.36	1084.52	1111.88	1136.96	1151.40	1143.80	1112.64	1084.52	1073.88
172	1076.16	1086.04	1108.08	1126.32	1139.24	1133.16	1108.08	1086.04	1077.68
173	1079.20	1087.56	1103.52	1118.72	1128.60	1124.04	1104.28	1087.56	1080.72
174	1083.00	1088.32	1100.48	1110.36	1119.48	1115.68	1101.24	1088.32	1083.76
175	1085.28	1089.08	1097.44	1105.04	1111.12	1108.84	1098.20	1089.08	1086.04
176	1086.80	1089.84	1095.16	1098.96	1105.04	1103.52	1095.16	1089.84	1087.56
177	1088.32	1090.60	1093.64	1095.16	1098.96	1098.20	1093.64	1090.60	1089.08
178	1089.84	1090.60	1092.12	1092.88	1095.16	1094.40	1092.12	1090.60	1090.60
179	1090.60	1091.36	1091.36	1091.36	1092.88	1092.12	1091.36	1091.36	1090.60
180	1091.36	1091.36	1091.36	1091.36	1091.36	1091.36	1091.36	1091.36	1091.36

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-SCW.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	591.12	N.A.	11.80
90-120	1329.1	N.A.	26.60
90-130	2236.67	N.A.	44.70
90-150	4039.55	N.A.	80.80
90-180	4999.36	N.A.	100.00
110-180	4408.25	N.A.	88.20
0-180	4999.36	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	137.14
100-110	453.98
110-120	737.98
120-130	907.57
130-140	986.44
140-150	816.44
150-160	527.95
160-170	326.45
170-180	105.42

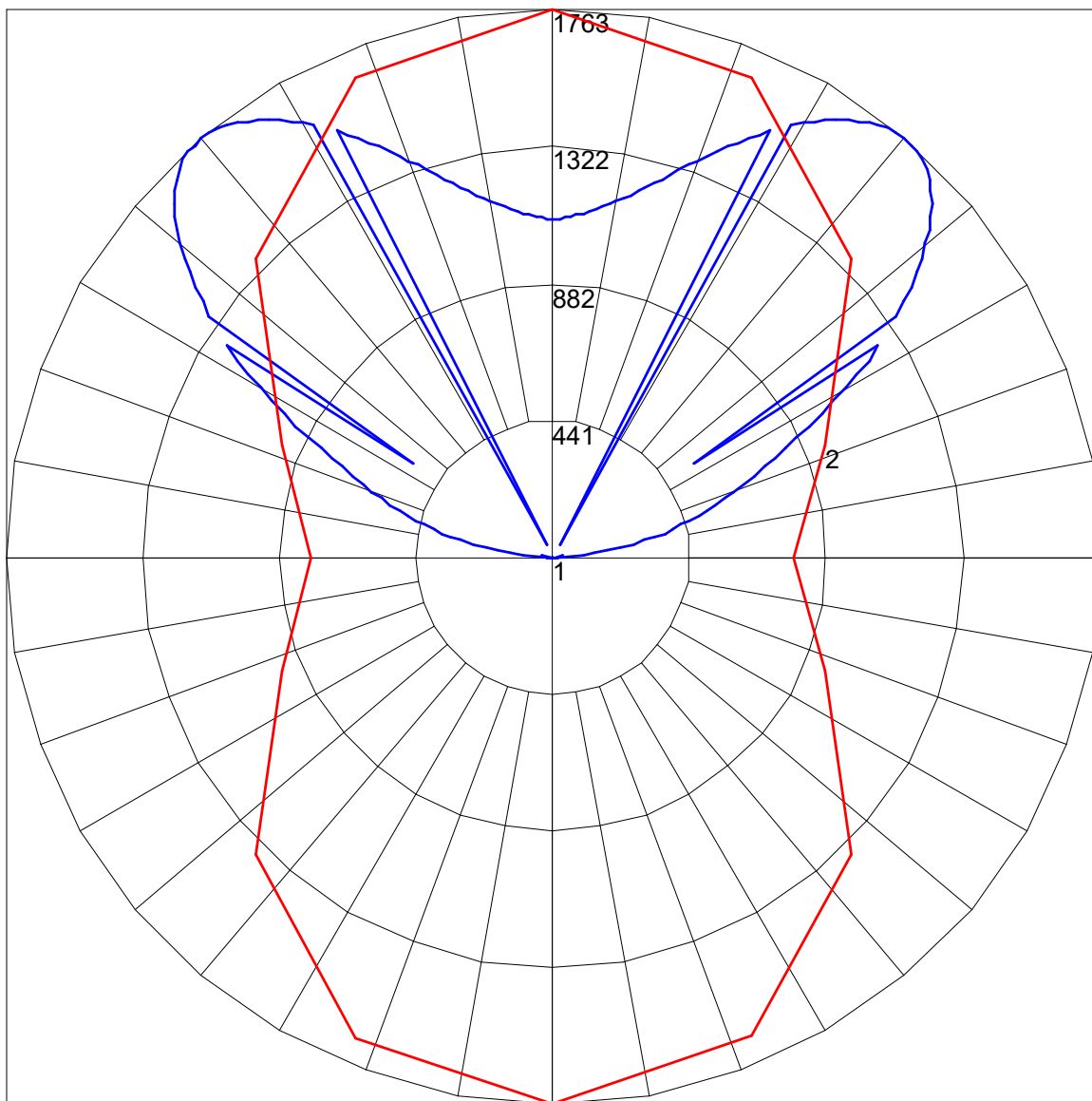
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-SCW.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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 = 1763.2 Located At Horizontal Angle = 90, Vertical Angle = 140  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (140) (Through Max. Cd.)