

IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-SACW.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-SACW-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	4546
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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)	0.58 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	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	12.92	69.16	41.04	70.68	6.08	1.52	2.28	2.28	2.28
92	121.60	158.84	167.96	152.00	12.16	3.80	4.56	3.04	3.80
93	242.44	294.12	252.32	217.36	19.00	7.60	6.84	6.08	6.08
94	386.08	431.68	408.12	274.36	26.60	11.40	10.64	9.12	9.12
95	516.80	560.88	515.28	354.16	35.72	14.44	15.20	12.92	12.92
96	646.00	693.88	608.00	391.40	46.36	22.80	20.52	16.72	17.48
97	777.48	807.88	690.08	424.84	59.28	27.36	25.08	22.04	22.80
98	899.84	909.72	767.60	459.80	69.92	33.44	28.12	27.36	28.12
99	1004.72	997.12	869.44	517.56	82.08	38.76	32.68	31.92	32.68
100	1093.64	1083.76	924.16	545.68	95.76	45.60	42.56	34.96	36.48
101	1178.76	1189.40	972.04	571.52	109.44	55.48	50.16	38.76	39.52
102	1275.28	1254.76	1018.40	604.96	123.12	63.84	54.72	42.56	43.32
103	1355.84	1304.16	1066.28	642.20	136.80	71.44	61.56	52.44	50.16
104	1404.48	1348.24	1110.36	671.84	152.00	77.52	66.12	60.80	64.60
105	1448.56	1394.60	1158.24	681.72	166.44	83.60	72.96	66.12	66.88
106	1491.12	1438.68	1212.20	687.04	180.88	88.92	79.80	69.92	70.68
107	1533.68	1483.52	1284.40	693.88	196.08	95.00	87.40	75.24	74.48
108	1575.48	1527.60	1333.04	705.28	211.28	101.08	96.52	80.56	79.80
109	1616.52	1571.68	1378.64	715.92	226.48	110.20	104.12	85.88	84.36

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CANDELA TABULATION - (Cont.)

110	1662.12	1623.36	1424.24	728.84	241.68	118.56	111.72	91.96	89.68
111	1700.12	1689.48	1472.88	741.00	255.36	128.44	119.32	98.04	95.00
112	1754.84	1750.28	1522.28	753.92	271.32	138.32	126.92	105.64	101.08
113	1813.36	1802.72	1571.68	766.84	286.52	148.20	134.52	112.48	109.44
114	1877.96	1847.56	1618.04	779.76	301.72	158.08	141.36	120.08	114.76
115	1921.28	1900.00	1656.80	792.68	316.92	168.72	148.20	126.16	122.36
116	1972.20	1948.64	1678.84	804.84	331.36	180.12	155.80	133.00	128.44
117	2020.84	2002.60	1691.76	817.76	347.32	192.28	161.88	139.08	133.76
118	2070.24	2049.72	1701.64	829.92	361.76	202.16	168.72	145.92	139.08
119	2121.16	2099.12	1713.04	842.84	376.96	215.08	176.32	152.76	145.92
120	2169.80	2140.16	1723.68	855.76	390.64	226.48	183.16	158.84	151.24
121	2216.16	2178.92	1733.56	868.68	405.84	238.64	191.52	164.16	158.08
122	2259.48	2204.00	1743.44	882.36	419.52	250.80	201.40	170.24	163.40
123	2297.48	2218.44	1751.04	893.00	434.72	259.16	209.76	176.32	168.72
124	2326.36	2232.12	1757.12	905.92	448.40	274.36	219.64	182.40	174.80
125	2344.60	2244.28	1760.92	915.04	463.60	288.04	228.76	188.48	180.12
126	2359.04	2254.92	1762.44	925.68	478.04	300.96	239.40	196.08	185.44
127	2371.96	2264.80	1761.68	934.04	491.72	313.88	249.28	202.16	192.28
128	2383.36	2273.16	1757.88	943.16	506.16	326.80	259.92	209.76	199.12
129	2394.00	2277.72	1753.32	950.76	519.84	339.72	269.80	217.36	205.20
130	2403.12	2279.24	1745.72	958.36	533.52	352.64	280.44	225.72	212.04
131	2409.20	2278.48	1736.60	965.96	547.96	365.56	291.84	234.08	219.64
132	2412.24	2273.92	1724.44	972.04	560.88	378.48	302.48	243.96	228.00
133	2411.48	2265.56	1711.52	978.12	574.56	390.64	314.64	253.08	236.36
134	2407.68	2254.16	1696.32	984.20	587.48	403.56	325.28	261.44	245.48
135	2398.56	2238.20	1681.12	989.52	601.16	417.24	337.44	271.32	254.60
136	2387.16	2219.20	1664.40	994.84	613.32	429.40	348.84	281.20	263.72
137	2369.68	2196.40	1646.92	999.40	627.00	442.32	361.00	292.60	274.36
138	2351.44	2169.80	1628.68	1003.96	639.92	454.48	373.16	302.48	285.00
139	2326.36	2142.44	1611.20	1008.52	652.08	468.16	386.08	314.64	294.88
140	2300.52	2109.76	1592.20	1012.32	664.24	480.32	399.00	326.04	307.04
141	2267.08	2078.60	1571.68	1016.88	676.40	493.24	412.68	338.20	317.68
142	2232.88	2042.12	1551.16	1019.92	689.32	506.16	425.60	350.36	330.60
143	2195.64	2006.40	1532.16	1023.72	699.96	518.32	438.52	363.28	341.24
144	2155.36	1967.64	1510.88	1026.76	712.12	531.24	451.44	376.20	355.68
145	2113.56	1931.16	1491.88	1029.80	722.76	542.64	463.60	389.12	369.36
146	2070.24	1890.12	1470.60	1032.84	734.92	555.56	477.28	402.80	382.28
147	2025.40	1850.60	1452.36	1035.88	745.56	567.72	489.44	417.24	396.72
148	1980.56	1811.08	1431.84	1037.40	756.20	579.88	502.36	433.20	411.16
149	1934.20	1771.56	1412.84	1040.44	766.84	592.04	515.28	448.40	427.12
150	1888.60	1732.04	1394.60	1041.96	776.72	604.20	526.68	462.84	443.84
151	1842.24	1692.52	1375.60	1043.48	786.60	616.36	539.60	478.04	459.80
152	1795.88	1654.52	1358.88	1045.00	796.48	627.76	551.76	492.48	475.00
153	1749.52	1617.28	1340.64	1045.76	805.60	639.92	564.68	506.92	490.96
154	1705.44	1579.28	1324.68	1046.52	815.48	651.32	577.60	520.60	507.68
155	1661.36	1545.08	1307.96	1046.52	823.84	662.72	589.76	535.80	521.36
156	1618.80	1509.36	1292.76	1046.52	832.96	674.88	601.92	548.72	537.32
157	1577.76	1478.20	1277.56	1046.52	841.32	686.28	614.08	563.92	551.00
158	1534.44	1444.76	1262.36	1045.76	848.92	697.68	626.24	578.36	566.96
159	1497.20	1416.64	1247.92	1044.24	856.52	709.08	638.40	591.28	579.88
160	1460.72	1386.24	1234.24	1042.72	864.12	720.48	650.56	604.96	595.84
161	1426.52	1359.64	1219.80	1040.44	870.96	731.12	662.72	618.64	608.76
162	1393.84	1332.28	1206.12	1038.16	877.80	743.28	675.64	632.32	623.96
163	1362.68	1305.68	1192.44	1035.88	883.88	753.16	688.56	645.24	637.64
164	1333.04	1282.88	1178.76	1032.08	889.96	765.32	699.96	658.92	652.08
165	1304.16	1257.80	1165.08	1028.28	895.28	775.20	713.64	672.60	665.76

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CANDELA TABULATION - (Cont.)

166	1277.56	1235.76	1150.64	1024.48	900.60	787.36	725.80	686.28	680.20
167	1250.96	1212.20	1136.20	1019.92	905.92	798.00	738.72	699.96	694.64
168	1225.88	1191.68	1122.52	1015.36	910.48	808.64	751.64	714.40	709.08
169	1200.80	1168.88	1107.32	1009.28	914.28	819.28	765.32	728.84	724.28
170	1177.24	1146.84	1092.88	1003.96	918.08	829.16	779.00	743.28	739.48
171	1152.92	1124.80	1076.92	997.88	921.88	839.80	792.68	759.24	755.44
172	1128.60	1102.00	1062.48	991.04	924.92	849.68	807.12	773.68	772.16
173	1104.28	1079.96	1045.76	984.20	927.96	860.32	821.56	791.16	788.88
174	1077.68	1057.92	1029.80	976.60	930.24	870.20	836.76	808.64	807.12
175	1054.88	1035.12	1013.84	969.76	932.52	880.08	851.20	825.36	825.36
176	1028.28	1012.32	997.12	961.40	934.04	889.96	867.16	844.36	845.12
177	1005.48	989.52	980.40	953.80	935.56	899.08	881.60	861.84	864.88
178	978.88	967.48	963.68	944.68	936.32	908.20	898.32	882.36	886.16
179	956.84	944.68	946.96	935.56	937.08	918.08	914.28	902.12	910.48
180	928.72	928.72	928.72	928.72	928.72	928.72	928.72	928.72	928.72

IES INDOOR REPORT
PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-SACW.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	805.02	N.A.	17.70
90-120	1559.21	N.A.	34.30
90-130	2379.58	N.A.	52.30
90-150	3751.26	N.A.	82.50
90-180	4546.48	N.A.	100.00
110-180	3741.46	N.A.	82.30
0-180	4546.48	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	230.44
100-110	574.58
110-120	754.18
120-130	820.38
130-140	758.29
140-150	613.38
150-160	440.53
160-170	265.74
170-180	88.96

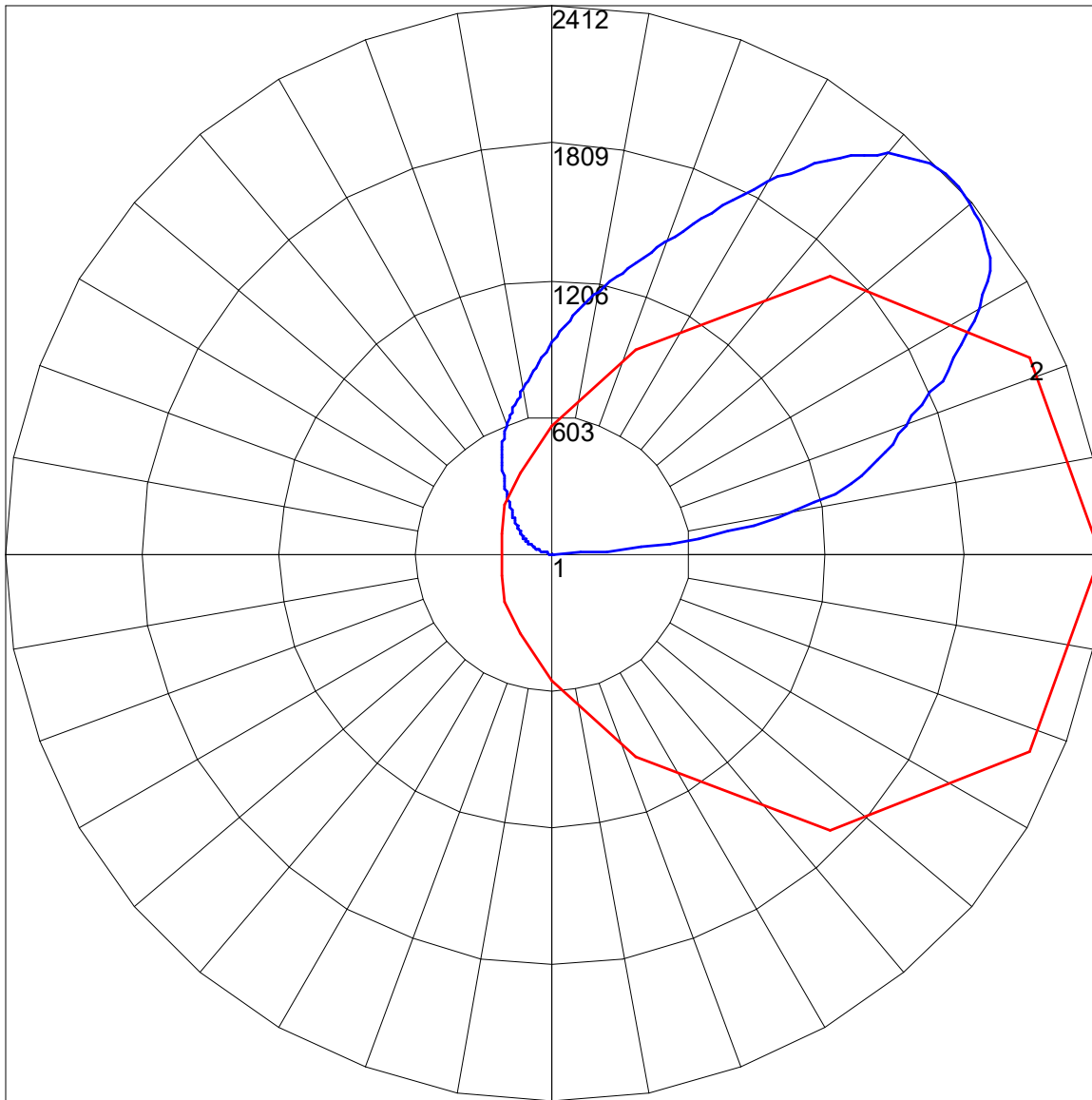
IES INDOOR REPORT
PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4-D2-SACW.IES

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	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 = 2412.24 Located At Horizontal Angle = 0, Vertical Angle = 132
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (132) (Through Max. Cd.)