

IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L112411507
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUE DATE] 11/21/2024
[MANUFAC] Prudential Lighting
[LUMCAT] WV2-LED35-80-SO-4'-SAL-TMW-D9-HACW-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	3622
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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

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

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	6.84	12.16	5.32	6.84	5.32	3.80	3.80	3.04	6.84
92	11.40	71.44	15.96	11.40	9.12	6.84	10.64	38.76	11.40
93	16.72	124.64	95.00	66.88	22.80	17.48	88.92	101.84	16.72
94	22.04	157.32	193.04	190.76	131.48	119.32	194.56	145.16	22.04
95	28.12	180.12	329.08	345.04	281.20	248.52	328.32	173.28	28.12
96	34.96	201.40	429.40	554.04	471.96	432.44	430.92	195.32	35.72
97	42.56	220.40	494.76	715.16	681.72	622.44	496.28	210.52	43.32
98	50.92	238.64	537.32	825.36	855.76	769.88	538.84	231.04	50.92
99	58.52	256.88	573.04	915.04	973.56	863.36	576.08	249.28	64.60
100	66.12	280.44	599.64	966.72	1070.84	933.28	604.96	262.96	68.40
101	76.00	301.72	623.96	1013.08	1130.88	984.96	627.76	290.32	76.76
102	83.60	329.08	642.20	1047.28	1180.28	1025.24	645.24	314.64	85.88
103	93.48	360.24	661.96	1083.00	1220.56	1060.20	666.52	348.08	95.00
104	101.84	380.76	680.96	1100.48	1254.76	1091.36	684.00	373.92	104.12
105	111.72	381.52	697.68	1118.72	1280.60	1109.60	700.72	381.52	114.00
106	120.08	378.48	711.36	1138.48	1298.08	1126.32	715.92	381.52	123.88
107	130.72	376.96	725.80	1152.16	1314.80	1144.56	730.36	379.24	132.24
108	139.08	376.96	740.24	1165.08	1330.00	1158.24	744.04	379.24	142.12
109	148.96	376.96	755.44	1171.92	1341.40	1169.64	760.76	379.24	151.24

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

110	158.08	377.72	773.68	1178.76	1349.00	1177.24	778.24	380.00	161.12
111	167.20	377.72	794.20	1182.56	1353.56	1182.56	802.56	380.00	169.48
112	176.32	378.48	823.08	1184.84	1354.32	1185.60	830.68	380.76	179.36
113	185.44	378.48	855.00	1189.40	1354.32	1188.64	864.88	381.52	188.48
114	193.80	378.48	874.00	1189.40	1350.52	1191.68	881.60	381.52	196.84
115	202.92	378.48	880.08	1195.48	1349.76	1193.20	880.84	382.28	205.96
116	211.28	378.48	870.96	1206.12	1344.44	1201.56	870.20	381.52	214.32
117	219.64	377.72	847.40	1219.04	1343.68	1212.96	848.92	381.52	222.68
118	227.24	377.72	826.12	1238.04	1347.48	1228.16	828.40	381.52	230.28
119	235.60	377.72	804.84	1251.72	1354.32	1245.64	807.12	381.52	238.64
120	243.20	376.96	785.84	1248.68	1364.96	1255.52	788.88	380.76	246.24
121	251.56	376.96	766.08	1230.44	1375.60	1246.40	769.12	380.76	253.84
122	253.84	376.96	749.36	1198.52	1372.56	1223.60	750.88	380.00	260.68
123	263.72	376.96	731.12	1155.96	1349.00	1186.36	734.92	380.76	268.28
124	270.56	378.48	715.92	1112.64	1316.32	1146.08	718.20	381.52	275.12
125	277.40	380.00	699.20	1072.36	1265.40	1100.48	703.00	383.04	281.96
126	285.00	382.28	683.24	1033.60	1215.24	1060.96	687.04	384.56	288.04
127	290.32	383.80	668.80	997.12	1167.36	1022.96	672.60	386.08	294.12
128	297.16	385.32	653.60	962.16	1121.76	986.48	657.40	387.60	300.20
129	303.24	386.84	639.92	927.96	1078.44	952.28	642.96	389.12	307.04
130	308.56	388.36	626.24	898.32	1037.40	920.36	629.28	390.64	312.36
131	313.88	389.88	613.32	865.64	996.36	889.20	616.36	392.16	317.68
132	319.20	390.64	600.40	840.56	961.40	859.56	603.44	392.92	323.00
133	324.52	391.40	588.24	810.16	924.92	832.20	590.52	394.44	328.32
134	329.84	392.92	576.84	786.60	893.00	804.84	579.88	395.20	332.88
135	334.40	393.68	565.44	760.00	860.32	779.00	568.48	396.72	338.20
136	338.96	395.20	554.80	736.44	831.44	754.68	557.84	397.48	342.00
137	343.52	395.96	544.16	713.64	801.04	731.88	547.20	398.24	346.56
138	347.32	396.72	534.28	692.36	773.68	709.08	536.56	399.00	351.12
139	351.88	398.24	524.40	672.60	747.08	688.56	527.44	400.52	354.92
140	355.68	399.00	516.80	652.84	724.28	668.04	518.32	401.28	358.72
141	358.72	399.76	508.44	634.60	699.96	649.80	510.72	402.04	362.52
142	363.28	400.52	500.84	617.88	677.92	630.04	503.88	402.80	366.32
143	366.32	401.28	494.76	601.92	657.40	614.84	497.04	403.56	369.36
144	370.12	402.04	489.44	586.72	638.40	598.12	491.72	404.32	372.40
145	372.40	402.80	483.36	572.28	620.16	583.68	485.64	405.08	375.44
146	376.20	403.56	478.80	558.60	603.44	567.72	480.32	405.84	378.48
147	378.48	404.32	473.48	544.92	586.72	556.32	475.00	406.60	381.52
148	381.52	405.08	468.92	535.04	571.52	542.64	471.20	407.36	383.80
149	383.80	406.60	464.36	523.64	557.08	532.76	465.88	408.12	386.84
150	386.84	407.36	459.80	515.28	544.92	522.12	462.08	408.88	389.12
151	389.12	408.12	456.00	506.16	533.52	513.00	458.28	409.64	391.40
152	391.40	408.88	452.96	499.32	522.88	504.64	454.48	410.40	393.68
153	393.68	409.64	449.92	490.96	513.00	497.04	451.44	411.16	395.96
154	395.20	410.40	446.88	484.12	503.88	489.44	448.40	411.92	397.48
155	397.48	411.16	443.84	477.28	496.28	482.60	445.36	412.68	399.76
156	399.00	411.92	441.56	471.20	487.92	476.52	443.08	412.68	401.28
157	401.28	412.68	439.28	465.88	481.08	470.44	440.04	413.44	402.80
158	402.80	413.44	437.00	461.32	474.24	465.12	438.52	414.20	405.08
159	404.32	413.44	434.72	456.76	468.92	460.56	436.24	414.96	406.60
160	405.84	414.20	433.20	452.20	462.84	456.00	433.96	414.96	407.36
161	407.36	414.96	431.68	448.40	458.28	451.44	432.44	415.72	408.88
162	408.88	415.72	430.16	445.36	452.96	447.64	431.68	416.48	410.40
163	410.40	415.72	429.40	441.56	449.16	444.60	430.16	417.24	411.92
164	411.92	416.48	427.88	438.52	445.36	441.56	428.64	417.24	412.68
165	412.68	417.24	427.12	436.24	441.56	438.52	427.88	418.00	414.20

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

166	413.44	417.24	426.36	433.96	438.52	436.24	427.12	418.00	414.96
167	414.96	418.00	425.60	431.68	436.24	433.96	425.60	418.76	415.72
168	415.72	418.76	424.84	430.16	433.96	431.68	424.84	418.76	416.48
169	416.48	418.76	424.08	428.64	431.68	430.16	424.84	419.52	417.24
170	417.24	418.76	423.32	427.12	430.16	427.88	424.08	419.52	418.00
171	418.00	419.52	422.56	425.60	428.64	427.12	423.32	419.52	418.76
172	418.76	419.52	422.56	424.08	426.36	425.60	422.56	420.28	418.76
173	418.76	420.28	421.80	423.32	425.60	424.08	422.56	420.28	419.52
174	419.52	420.28	421.80	422.56	424.84	423.32	421.80	420.28	420.28
175	419.52	420.28	421.04	421.80	423.32	422.56	421.80	420.28	420.28
176	420.28	420.28	421.04	421.04	422.56	421.80	421.04	421.04	420.28
177	420.28	420.28	421.04	421.04	422.56	421.04	421.04	421.04	420.28
178	421.04	421.04	421.04	420.28	421.80	421.04	421.04	421.04	421.04
179	421.04	421.04	420.28	420.28	421.80	420.28	421.04	421.04	421.04
180	421.04	421.04	421.04	421.04	421.04	421.04	421.04	421.04	421.04

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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	1034.28	N.A.	28.60
90-120	1828.27	N.A.	50.50
90-130	2488.51	N.A.	68.70
90-150	3253.23	N.A.	89.80
90-180	3622.31	N.A.	100.00
110-180	2588.04	N.A.	71.40
0-180	3622.31	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	284.97
100-110	749.31
110-120	794.00
120-130	660.24
130-140	454.35
140-150	310.37
150-160	207.30
160-170	121.48
170-180	40.30

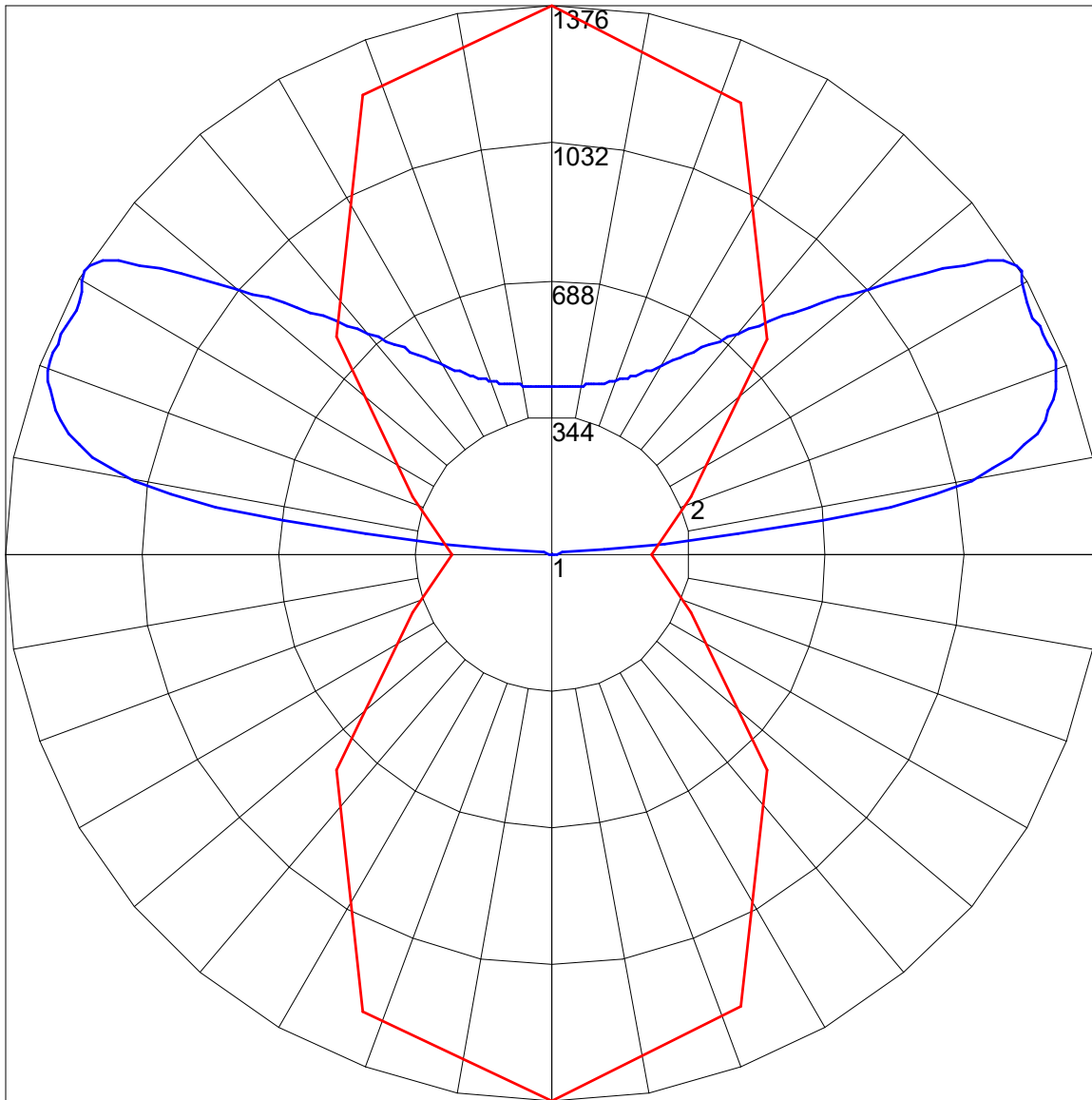
IES INDOOR REPORT
PHOTOMETRIC FILENAME : WV2-LED35-80-SO-4'-D2-HCW.IES

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 = 1375.6 Located At Horizontal Angle = 90, Vertical Angle = 121
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (121) (Through Max. Cd.)