

IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-LO-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-LO-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	1707
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	14.4
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
36	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA TABULATION - (Cont.)

54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
61	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
73	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
76	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
86	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
91	1.8	5.7	2.4	2.1	1.2	0.9	1.2	1.8	1.8
92	4.2	20.4	14.7	14.1	5.7	3.9	13.8	13.5	4.2
93	6.9	36.0	37.5	35.7	24.0	20.4	35.7	31.2	6.9
94	10.2	44.4	70.8	73.8	60.6	52.5	71.1	42.0	10.2
95	13.5	49.8	105.9	121.5	96.0	95.4	105.0	47.4	13.8
96	17.7	56.4	122.7	167.1	146.1	143.4	130.5	53.4	18.0
97	21.6	63.3	145.2	204.3	189.6	183.9	145.2	60.3	22.2
98	26.4	69.9	153.6	228.3	225.6	214.8	153.9	67.8	26.7
99	30.9	74.4	161.4	246.9	251.7	237.3	162.0	72.9	31.8
100	36.0	79.8	168.6	259.2	270.9	251.7	169.5	77.1	36.9
101	41.1	86.4	176.4	271.8	285.3	264.0	178.2	82.2	42.0
102	46.5	94.8	185.4	282.9	298.5	275.7	186.9	89.4	47.4
103	52.2	104.4	194.7	295.5	312.9	288.3	197.7	99.9	52.8
104	57.6	112.5	204.6	307.5	326.4	299.7	207.0	108.3	58.5
105	63.6	118.2	213.0	320.7	341.1	312.9	215.1	117.0	64.2
106	69.3	121.8	219.3	333.6	355.8	325.5	221.4	120.3	70.8
107	75.0	125.4	225.0	346.5	370.8	339.3	227.1	123.9	75.9
108	81.0	129.6	231.0	358.5	385.8	351.6	233.1	127.8	82.5
109	87.0	133.8	237.6	369.6	400.5	363.9	239.4	132.0	87.9

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CANDELA TABULATION - (Cont.)

110	93.0	138.3	246.3	378.9	414.6	374.7	246.9	136.5	94.5
111	99.3	142.5	255.3	387.3	426.3	383.4	257.4	141.0	100.2
112	104.7	147.0	268.2	395.4	438.0	391.8	270.6	145.2	106.8
113	110.7	151.2	279.6	403.5	447.9	399.6	284.1	149.4	112.8
114	116.7	155.1	291.3	411.3	457.5	407.7	295.5	153.6	118.8
115	122.7	159.6	299.1	420.3	466.5	415.2	303.3	157.8	125.1
116	129.0	163.8	304.5	429.6	475.5	424.2	306.9	162.3	131.1
117	135.6	168.9	306.6	441.3	484.5	434.4	308.1	166.8	137.4
118	141.0	173.4	307.2	452.7	493.8	446.7	308.4	171.6	143.4
119	147.9	179.1	308.1	463.8	504.9	458.7	309.3	176.7	149.4
120	153.3	184.2	309.3	471.6	516.9	468.9	310.5	182.4	155.4
121	159.9	189.9	310.8	477.0	527.4	476.4	312.3	187.8	161.7
122	165.3	195.9	312.3	478.2	535.8	480.0	313.8	193.5	167.7
123	171.9	201.0	314.1	476.4	540.6	479.7	315.6	199.2	173.7
124	177.3	207.0	315.9	473.1	542.4	476.7	317.4	204.6	179.7
125	183.9	212.1	317.7	470.1	540.0	473.4	318.9	210.3	185.7
126	189.9	217.8	319.2	467.1	535.5	470.1	320.7	216.0	191.7
127	195.9	223.2	321.0	464.1	531.0	467.1	322.2	221.1	197.7
128	201.9	228.6	322.5	461.1	525.9	464.1	323.7	226.8	203.7
129	207.6	234.0	323.7	458.1	521.1	461.1	325.2	231.9	209.4
130	213.3	239.4	325.2	455.1	516.3	458.1	326.4	237.6	215.4
131	219.0	244.5	326.4	452.1	511.5	455.1	327.9	242.4	221.4
132	225.0	249.6	328.2	448.8	506.4	451.8	329.4	248.1	226.8
133	230.4	254.7	329.7	445.5	501.3	448.5	330.9	253.2	233.1
134	236.1	259.5	331.5	442.2	496.2	445.2	332.7	258.0	238.2
135	241.8	264.6	333.3	438.9	490.8	441.6	334.2	263.1	244.2
136	247.2	269.4	335.1	435.3	485.4	438.3	336.3	267.9	249.0
137	252.6	274.2	336.9	432.0	480.0	434.7	338.1	273.0	255.0
138	257.7	279.0	339.0	428.4	474.3	431.4	340.2	277.5	260.1
139	262.8	283.5	340.8	425.4	468.6	428.1	342.0	282.3	265.2
140	267.9	288.0	342.9	422.1	463.2	424.8	344.1	286.5	270.3
141	273.0	292.2	344.7	419.1	457.8	421.5	345.6	291.0	275.4
142	278.4	296.4	346.2	416.1	452.1	418.5	347.4	295.2	280.2
143	282.9	300.6	348.0	413.4	447.3	415.5	348.9	299.4	285.0
144	288.0	304.5	349.5	411.0	442.2	413.1	350.7	303.6	289.5
145	291.9	308.4	351.0	408.6	438.0	410.4	352.2	307.5	294.3
146	297.0	312.3	352.5	406.2	433.2	408.3	353.7	311.4	298.5
147	301.5	315.9	354.0	404.1	429.3	405.9	354.9	315.0	303.0
148	305.4	319.5	355.2	402.0	425.4	403.8	356.4	318.6	307.2
149	309.6	322.8	356.4	399.9	421.5	401.7	357.6	321.9	311.1
150	313.5	326.1	357.6	398.1	417.9	399.6	358.8	325.5	315.0
151	317.4	329.4	359.1	396.3	414.3	397.5	359.7	328.5	319.2
152	321.0	332.4	360.0	394.5	411.3	396.0	360.9	331.8	322.5
153	324.9	335.4	361.2	392.7	408.0	394.2	361.8	334.8	326.4
154	328.2	338.4	362.1	391.2	405.0	392.4	362.7	337.5	330.0
155	331.5	340.8	363.0	389.7	402.3	390.9	363.6	340.2	333.3
156	334.8	343.8	363.9	388.2	399.6	389.4	364.5	342.9	336.3
157	337.8	345.9	364.8	386.7	397.2	387.9	365.4	345.3	339.3
158	341.1	348.6	365.4	385.5	394.8	386.4	366.0	348.0	342.3
159	343.5	350.7	366.0	384.3	392.4	385.2	366.6	350.1	345.0
160	346.5	352.8	366.9	383.1	390.6	384.0	367.5	352.5	347.7
161	348.9	354.9	367.5	381.9	388.5	382.8	368.1	354.3	350.1
162	351.6	356.7	368.1	381.0	386.7	381.9	368.7	356.4	352.5
163	353.7	358.5	368.7	380.1	385.2	381.0	369.0	358.2	354.6
164	356.1	360.3	369.0	379.2	383.7	379.8	369.6	359.7	356.7
165	357.9	361.8	369.6	378.3	382.2	379.2	369.9	361.5	358.8

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CANDELA TABULATION - (Cont.)

166	360.0	363.3	369.9	377.7	381.0	378.3	370.5	363.0	360.6
167	361.5	364.5	370.5	377.1	379.8	377.7	370.8	364.2	362.4
168	363.3	365.7	370.8	376.5	378.9	377.1	371.1	365.4	363.9
169	364.8	366.9	371.1	375.9	378.0	376.5	371.4	366.6	365.4
170	366.3	368.1	371.4	375.3	377.4	375.9	371.7	367.8	366.9
171	367.5	369.0	371.7	375.0	376.5	375.3	372.0	368.7	367.8
172	368.4	369.9	372.0	374.4	375.9	375.0	372.3	369.6	369.0
173	369.6	370.5	372.3	374.1	375.3	374.7	372.3	370.5	369.9
174	370.5	371.1	372.3	373.8	375.0	374.1	372.6	371.1	370.8
175	371.1	371.7	372.6	373.8	374.4	373.8	372.6	371.7	371.4
176	371.7	372.0	372.6	373.5	374.4	373.8	372.9	372.0	372.0
177	372.3	372.6	372.9	373.2	374.1	373.5	372.9	372.3	372.3
178	372.6	372.6	372.9	373.2	373.8	373.2	372.9	372.6	372.6
179	372.9	372.9	372.9	373.2	373.8	373.2	372.9	372.9	372.9
180	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2	373.2

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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	307.91	N.A.	18.00
90-120	596.79	N.A.	35.00
90-130	901.09	N.A.	52.80
90-150	1398.07	N.A.	81.90
90-180	1707.46	N.A.	100.00
110-180	1399.55	N.A.	82.00
0-180	1707.46	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	85.39
100-110	222.51
110-120	288.89
120-130	304.29
130-140	271.78
140-150	225.21
150-160	169.00
160-170	104.84
170-180	35.55

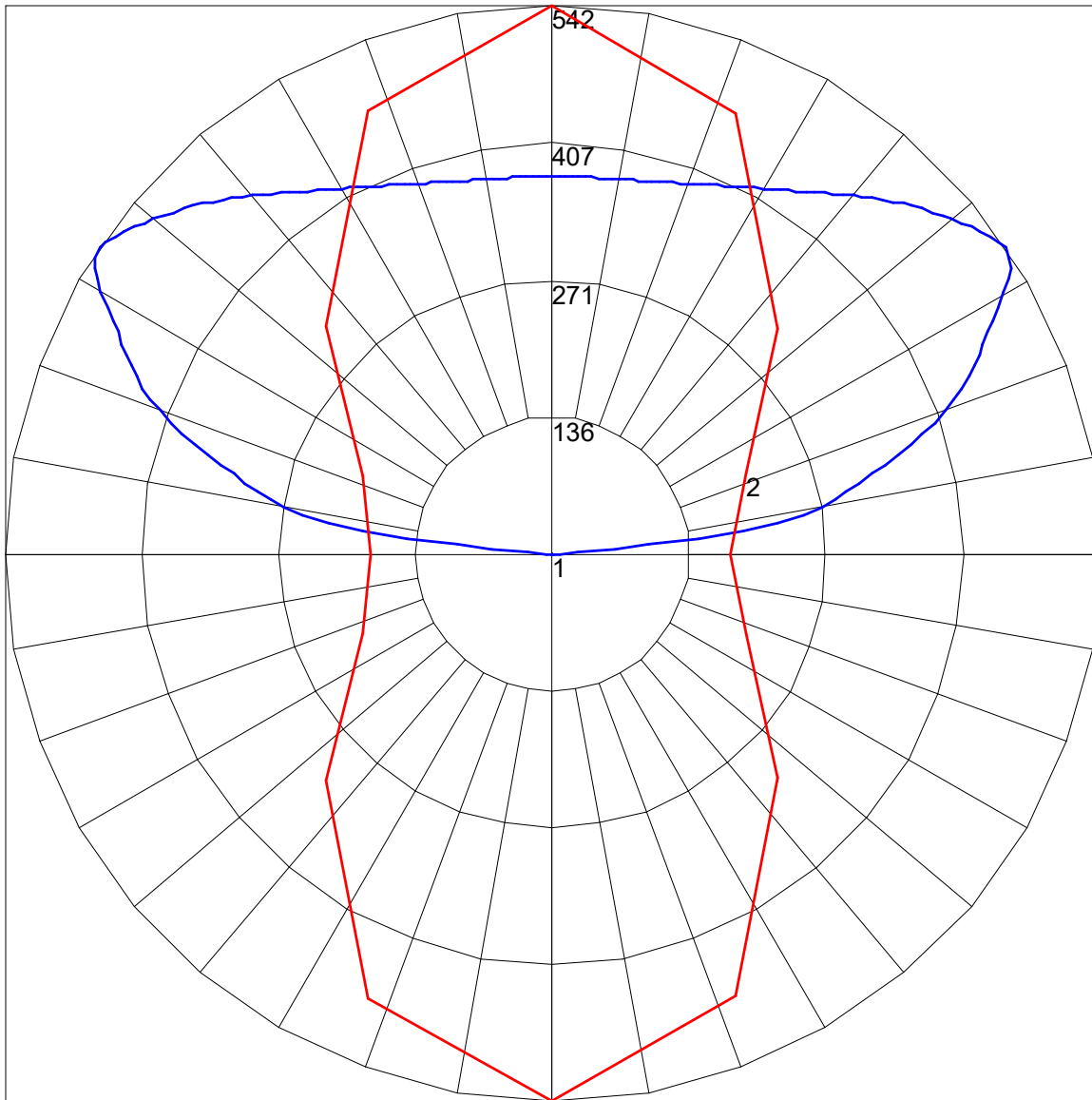
IES INDOOR REPORT
PHOTOMETRIC FILENAME : WV2-LED35-80-LO-4-D2-MCW.IES

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	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 = 542.4 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.)