

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-LO-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-LO-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	1430
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	2.7	4.8	2.1	2.7	2.1	1.5	1.5	1.2	2.7
92	4.5	28.2	6.3	4.5	3.6	2.7	4.2	15.3	4.5
93	6.6	49.2	37.5	26.4	9.0	6.9	35.1	40.2	6.6
94	8.7	62.1	76.2	75.3	51.9	47.1	76.8	57.3	8.7
95	11.1	71.1	129.9	136.2	111.0	98.1	129.6	68.4	11.1
96	13.8	79.5	169.5	218.7	186.3	170.7	170.1	77.1	14.1
97	16.8	87.0	195.3	282.3	269.1	245.7	195.9	83.1	17.1
98	20.1	94.2	212.1	325.8	337.8	303.9	212.7	91.2	20.1
99	23.1	101.4	226.2	361.2	384.3	340.8	227.4	98.4	25.5
100	26.1	110.7	236.7	381.6	422.7	368.4	238.8	103.8	27.0
101	30.0	119.1	246.3	399.9	446.4	388.8	247.8	114.6	30.3
102	33.0	129.9	253.5	413.4	465.9	404.7	254.7	124.2	33.9
103	36.9	142.2	261.3	427.5	481.8	418.5	263.1	137.4	37.5
104	40.2	150.3	268.8	434.4	495.3	430.8	270.0	147.6	41.1
105	44.1	150.6	275.4	441.6	505.5	438.0	276.6	150.6	45.0
106	47.4	149.4	280.8	449.4	512.4	444.6	282.6	150.6	48.9
107	51.6	148.8	286.5	454.8	519.0	451.8	288.3	149.7	52.2
108	54.9	148.8	292.2	459.9	525.0	457.2	293.7	149.7	56.1
109	58.8	148.8	298.2	462.6	529.5	461.7	300.3	149.7	59.7

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**CANDELA TABULATION - (Cont.)**

110	62.4	149.1	305.4	465.3	532.5	464.7	307.2	150.0	63.6
111	66.0	149.1	313.5	466.8	534.3	466.8	316.8	150.0	66.9
112	69.6	149.4	324.9	467.7	534.6	468.0	327.9	150.3	70.8
113	73.2	149.4	337.5	469.5	534.6	469.2	341.4	150.6	74.4
114	76.5	149.4	345.0	469.5	533.1	470.4	348.0	150.6	77.7
115	80.1	149.4	347.4	471.9	532.8	471.0	347.7	150.9	81.3
116	83.4	149.4	343.8	476.1	530.7	474.3	343.5	150.6	84.6
117	86.7	149.1	334.5	481.2	530.4	478.8	335.1	150.6	87.9
118	89.7	149.1	326.1	488.7	531.9	484.8	327.0	150.6	90.9
119	93.0	149.1	317.7	494.1	534.6	491.7	318.6	150.6	94.2
120	96.0	148.8	310.2	492.9	538.8	495.6	311.4	150.3	97.2
121	99.3	148.8	302.4	485.7	543.0	492.0	303.6	150.3	100.2
122	100.2	148.8	295.8	473.1	541.8	483.0	296.4	150.0	102.9
123	104.1	148.8	288.6	456.3	532.5	468.3	290.1	150.3	105.9
124	106.8	149.4	282.6	439.2	519.6	452.4	283.5	150.6	108.6
125	109.5	150.0	276.0	423.3	499.5	434.4	277.5	151.2	111.3
126	112.5	150.9	269.7	408.0	479.7	418.8	271.2	151.8	113.7
127	114.6	151.5	264.0	393.6	460.8	403.8	265.5	152.4	116.1
128	117.3	152.1	258.0	379.8	442.8	389.4	259.5	153.0	118.5
129	119.7	152.7	252.6	366.3	425.7	375.9	253.8	153.6	121.2
130	121.8	153.3	247.2	354.6	409.5	363.3	248.4	154.2	123.3
131	123.9	153.9	242.1	341.7	393.3	351.0	243.3	154.8	125.4
132	126.0	154.2	237.0	331.8	379.5	339.3	238.2	155.1	127.5
133	128.1	154.5	232.2	319.8	365.1	328.5	233.1	155.7	129.6
134	130.2	155.1	227.7	310.5	352.5	317.7	228.9	156.0	131.4
135	132.0	155.4	223.2	300.0	339.6	307.5	224.4	156.6	133.5
136	133.8	156.0	219.0	290.7	328.2	297.9	220.2	156.9	135.0
137	135.6	156.3	214.8	281.7	316.2	288.9	216.0	157.2	136.8
138	137.1	156.6	210.9	273.3	305.4	279.9	211.8	157.5	138.6
139	138.9	157.2	207.0	265.5	294.9	271.8	208.2	158.1	140.1
140	140.4	157.5	204.0	257.7	285.9	263.7	204.6	158.4	141.6
141	141.6	157.8	200.7	250.5	276.3	256.5	201.6	158.7	143.1
142	143.4	158.1	197.7	243.9	267.6	248.7	198.9	159.0	144.6
143	144.6	158.4	195.3	237.6	259.5	242.7	196.2	159.3	145.8
144	146.1	158.7	193.2	231.6	252.0	236.1	194.1	159.6	147.0
145	147.0	159.0	190.8	225.9	244.8	230.4	191.7	159.9	148.2
146	148.5	159.3	189.0	220.5	238.2	224.1	189.6	160.2	149.4
147	149.4	159.6	186.9	215.1	231.6	219.6	187.5	160.5	150.6
148	150.6	159.9	185.1	211.2	225.6	214.2	186.0	160.8	151.5
149	151.5	160.5	183.3	206.7	219.9	210.3	183.9	161.1	152.7
150	152.7	160.8	181.5	203.4	215.1	206.1	182.4	161.4	153.6
151	153.6	161.1	180.0	199.8	210.6	202.5	180.9	161.7	154.5
152	154.5	161.4	178.8	197.1	206.4	199.2	179.4	162.0	155.4
153	155.4	161.7	177.6	193.8	202.5	196.2	178.2	162.3	156.3
154	156.0	162.0	176.4	191.1	198.9	193.2	177.0	162.6	156.9
155	156.9	162.3	175.2	188.4	195.9	190.5	175.8	162.9	157.8
156	157.5	162.6	174.3	186.0	192.6	188.1	174.9	162.9	158.4
157	158.4	162.9	173.4	183.9	189.9	185.7	173.7	163.2	159.0
158	159.0	163.2	172.5	182.1	187.2	183.6	173.1	163.5	159.9
159	159.6	163.2	171.6	180.3	185.1	181.8	172.2	163.8	160.5
160	160.2	163.5	171.0	178.5	182.7	180.0	171.3	163.8	160.8
161	160.8	163.8	170.4	177.0	180.9	178.2	170.7	164.1	161.4
162	161.4	164.1	169.8	175.8	178.8	176.7	170.4	164.4	162.0
163	162.0	164.1	169.5	174.3	177.3	175.5	169.8	164.7	162.6
164	162.6	164.4	168.9	173.1	175.8	174.3	169.2	164.7	162.9
165	162.9	164.7	168.6	172.2	174.3	173.1	168.9	165.0	163.5

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

166	163.2	164.7	168.3	171.3	173.1	172.2	168.6	165.0	163.8
167	163.8	165.0	168.0	170.4	172.2	171.3	168.0	165.3	164.1
168	164.1	165.3	167.7	169.8	171.3	170.4	167.7	165.3	164.4
169	164.4	165.3	167.4	169.2	170.4	169.8	167.7	165.6	164.7
170	164.7	165.3	167.1	168.6	169.8	168.9	167.4	165.6	165.0
171	165.0	165.6	166.8	168.0	169.2	168.6	167.1	165.6	165.3
172	165.3	165.6	166.8	167.4	168.3	168.0	166.8	165.9	165.3
173	165.3	165.9	166.5	167.1	168.0	167.4	166.8	165.9	165.6
174	165.6	165.9	166.5	166.8	167.7	167.1	166.5	165.9	165.9
175	165.6	165.9	166.2	166.5	167.1	166.8	166.5	165.9	165.9
176	165.9	165.9	166.2	166.2	166.8	166.5	166.2	166.2	165.9
177	165.9	165.9	166.2	166.2	166.8	166.2	166.2	166.2	165.9
178	166.2	166.2	166.2	165.9	166.5	166.2	166.2	166.2	166.2
179	166.2	166.2	165.9	165.9	166.5	165.9	166.2	166.2	166.2
180	166.2	166.2	166.2	166.2	166.2	166.2	166.2	166.2	166.2

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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	408.27	N.A.	28.60
90-120	721.69	N.A.	50.50
90-130	982.31	N.A.	68.70
90-150	1284.17	N.A.	89.80
90-180	1429.86	N.A.	100.00
110-180	1021.59	N.A.	71.40
0-180	1429.86	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	112.49
100-110	295.78
110-120	313.42
120-130	260.62
130-140	179.35
140-150	122.51
150-160	81.83
160-170	47.95
170-180	15.91

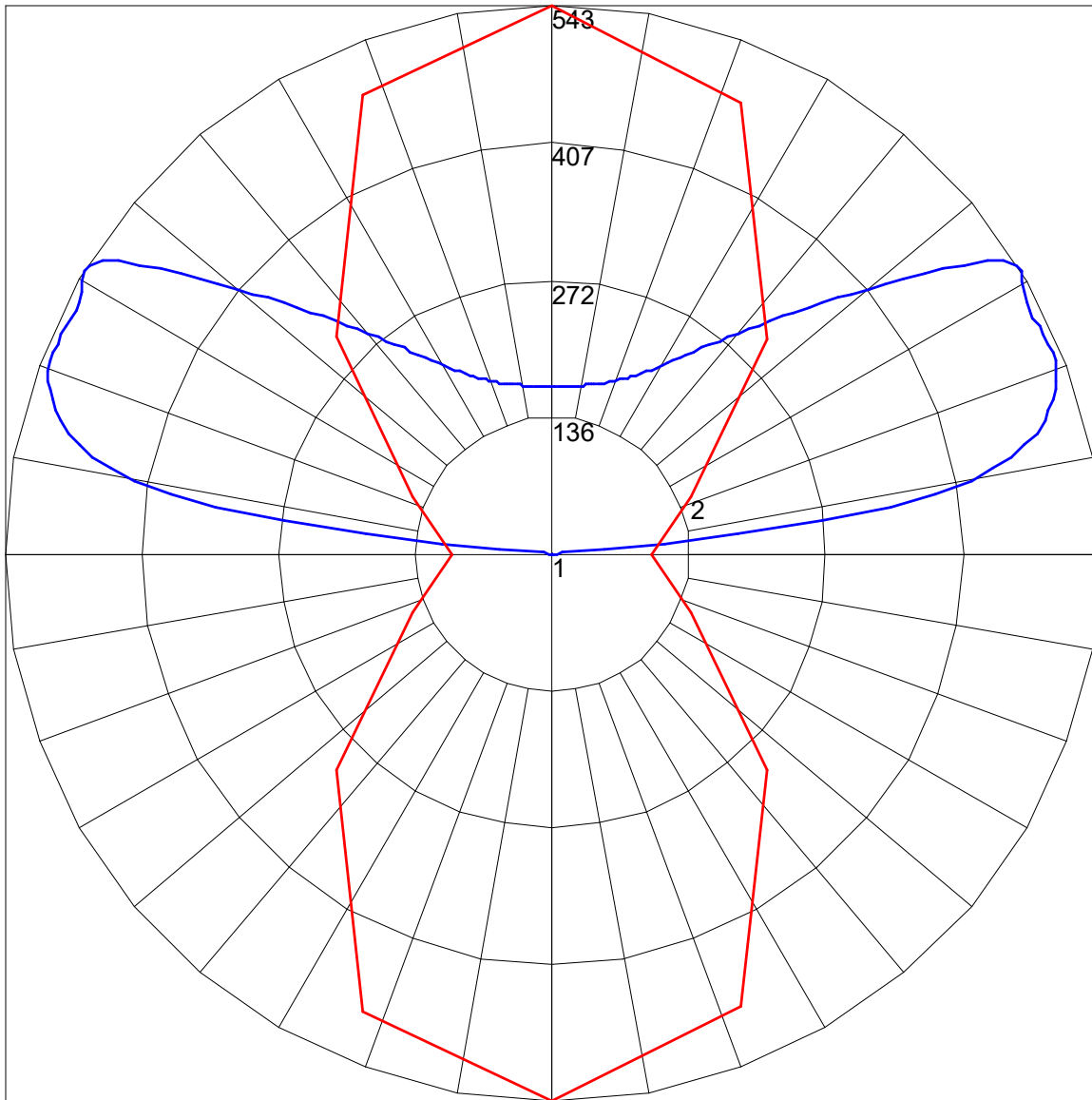
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-LO-4'-D2-HCW.IES**

**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	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 = 543 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.)