

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-LO-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-LO-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	1973
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	137
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	2.1	9.0	3.3	2.4	1.2	0.6	2.1	3.3	1.8
92	4.8	29.4	13.8	9.6	6.3	5.1	13.5	17.7	4.2
93	7.5	10.8	30.6	18.9	12.9	12.9	28.8	34.5	7.5
94	11.7	51.9	21.3	7.2	2.7	1.2	20.1	46.8	11.7
95	16.2	62.1	70.2	51.0	39.6	41.1	69.0	57.6	15.9
96	21.0	71.4	87.0	69.3	54.3	59.1	86.7	66.9	21.0
97	26.4	81.6	101.7	87.0	70.8	76.2	102.0	76.5	26.7
98	32.1	90.9	113.7	102.9	86.1	92.4	115.5	86.1	32.4
99	37.8	99.9	127.5	117.9	103.8	108.9	128.4	95.4	38.4
100	44.1	109.5	139.5	131.7	119.1	122.7	140.1	102.0	44.4
101	50.4	119.7	151.5	144.3	132.6	136.5	152.7	114.0	51.3
102	57.0	130.2	163.2	156.0	145.2	148.2	164.1	124.2	57.3
103	63.6	142.8	176.4	168.0	156.9	160.5	177.3	135.9	64.5
104	70.5	153.9	188.7	179.7	168.3	172.2	190.2	148.2	71.4
105	77.4	163.2	202.5	192.0	180.0	184.2	203.4	158.1	78.3
106	84.0	169.2	215.4	205.5	192.0	196.5	217.5	165.3	85.2
107	91.2	175.5	230.1	218.1	204.3	209.7	231.0	171.9	92.1
108	98.1	182.4	243.9	232.8	217.5	223.2	246.0	178.5	99.3
109	103.5	189.6	259.5	246.6	231.3	237.3	261.3	185.7	106.2

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**CANDELA TABULATION - (Cont.)**

110	111.6	197.1	276.3	262.8	245.4	252.0	277.2	193.5	113.1
111	118.5	204.6	292.2	276.9	260.1	267.0	294.0	200.7	120.3
112	125.7	212.4	310.5	294.9	275.7	283.2	311.7	208.8	127.2
113	132.6	219.9	327.3	312.3	292.5	299.7	329.4	216.0	134.4
114	140.1	227.7	345.3	330.3	308.7	317.4	346.5	224.4	141.3
115	146.4	235.8	361.5	349.5	327.3	335.7	363.3	231.6	148.2
116	153.9	243.3	377.4	369.6	346.2	355.2	378.3	240.0	155.1
117	160.8	250.8	391.5	390.3	366.9	377.4	392.7	247.8	162.6
118	167.7	258.3	404.4	411.9	386.7	396.3	405.3	255.3	168.9
119	174.3	265.8	417.0	431.7	408.9	418.8	418.5	262.8	176.4
120	181.2	273.0	429.6	452.1	429.6	437.7	431.1	270.3	183.0
121	187.8	280.5	441.9	471.9	452.1	459.6	443.7	277.5	189.9
122	14.4	287.4	453.9	490.8	473.4	477.3	456.3	284.7	196.5
123	201.0	294.3	465.6	508.8	494.1	497.7	467.1	291.6	203.1
124	207.6	300.9	176.1	225.9	214.5	214.2	178.2	28.5	209.7
125	214.2	307.2	486.3	542.7	533.7	532.5	487.8	304.8	216.0
126	220.5	313.2	495.6	558.9	552.3	549.0	497.4	311.1	222.6
127	227.1	319.2	504.0	574.2	570.0	564.9	505.2	317.1	228.9
128	233.4	324.9	511.2	588.9	587.4	580.2	512.7	323.4	235.2
129	239.7	330.0	517.5	603.6	604.8	594.6	519.3	328.5	241.5
130	245.7	335.1	523.2	615.0	619.5	607.8	524.7	334.2	247.8
131	252.0	340.2	527.4	626.4	634.8	619.5	529.2	339.0	254.1
132	257.7	344.7	531.3	635.1	647.1	630.0	532.8	343.8	260.1
133	263.7	349.5	534.3	644.1	660.0	638.7	535.8	348.6	266.1
134	270.3	353.4	536.1	649.8	669.3	646.5	537.9	352.8	272.1
135	276.3	357.6	537.6	655.2	678.6	652.5	539.1	357.0	277.8
136	282.3	361.2	538.2	658.5	684.9	657.0	539.7	360.9	284.1
137	288.0	365.1	538.2	660.6	690.6	660.0	540.0	364.8	289.5
138	293.7	368.7	537.9	661.2	693.9	661.8	539.4	368.4	295.5
139	299.1	372.0	536.7	660.6	695.7	662.1	538.5	372.0	300.9
140	304.8	375.3	535.5	658.8	696.0	661.2	537.0	375.3	306.9
141	310.2	378.3	533.4	656.1	694.8	659.1	535.2	378.3	311.7
142	315.3	381.6	531.3	651.9	692.4	655.5	533.1	381.3	317.7
143	321.0	384.0	528.6	647.4	688.2	651.6	530.4	384.3	322.2
144	326.1	387.0	525.9	642.0	683.4	646.5	527.7	387.0	327.9
145	331.2	389.4	522.9	636.3	677.4	641.4	524.4	389.7	333.0
146	336.0	392.1	519.6	629.4	670.8	634.5	521.1	392.1	338.1
147	341.1	394.5	516.3	622.5	663.3	628.2	517.2	394.8	342.9
148	345.9	396.6	512.7	615.0	655.2	620.7	513.9	396.9	347.7
149	350.7	399.0	508.8	607.2	646.5	612.9	510.3	399.3	352.5
150	355.2	401.1	505.2	599.1	637.5	604.8	506.4	401.4	357.0
151	360.0	403.2	501.3	590.4	627.9	596.7	502.5	403.5	361.5
152	64.2	105.0	197.4	282.3	18.0	288.3	198.9	105.0	366.0
153	369.0	406.8	493.5	573.3	608.1	579.9	494.7	407.1	370.2
154	372.6	408.6	489.6	564.3	597.3	571.2	490.8	408.9	374.1
155	377.1	410.4	486.0	555.9	587.7	562.5	487.2	410.7	378.3
156	380.7	412.2	482.4	547.2	576.9	553.8	483.3	412.2	382.2
157	384.9	413.4	478.5	539.1	567.0	545.4	479.4	413.7	386.1
158	388.2	415.2	474.9	530.4	556.2	536.7	475.8	415.5	389.7
159	392.1	416.4	471.3	522.9	547.2	528.6	472.8	416.7	393.3
160	395.7	417.9	468.0	514.5	536.4	520.2	468.9	417.9	396.6
161	399.0	419.1	464.7	507.3	527.7	513.0	465.6	419.1	400.2
162	402.0	420.3	461.4	499.5	518.1	504.9	462.3	420.6	403.5
163	405.0	421.2	458.4	492.6	509.4	498.0	459.0	421.5	406.2
164	408.0	422.4	455.4	486.0	500.7	490.8	456.0	422.7	408.9
165	410.7	423.6	452.7	479.4	493.2	484.5	453.0	423.6	411.6

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CANDELA TABULATION - (Cont.)

166	413.1	424.5	450.0	473.4	485.4	477.6	450.6	424.5	414.0
167	415.5	425.1	447.3	467.7	478.2	471.6	447.9	425.4	416.4
168	417.6	426.0	445.2	462.3	471.6	466.2	445.5	426.3	418.2
169	419.7	426.6	442.8	457.5	465.3	460.8	443.1	426.9	420.3
170	421.5	427.5	440.7	452.7	459.6	456.0	441.3	427.5	422.1
171	423.3	428.1	438.9	448.8	454.5	451.5	439.2	428.1	423.9
172	424.8	428.7	437.4	444.6	449.7	447.3	437.4	428.7	425.4
173	426.0	429.3	435.6	441.6	445.5	443.7	435.9	429.3	426.6
174	427.5	429.6	434.4	438.3	441.9	440.4	434.7	429.6	427.8
175	428.4	429.9	433.2	436.2	438.6	437.7	433.5	429.9	428.7
176	429.0	430.2	432.3	433.8	436.2	435.6	432.3	430.2	429.3
177	429.6	430.5	431.7	432.3	433.8	433.5	431.7	430.5	429.9
178	430.2	430.5	431.1	431.4	432.3	432.0	431.1	430.5	430.5
179	430.5	430.8	430.8	430.8	431.4	431.1	430.8	430.8	430.5
180	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8	430.8

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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	233.34	N.A.	11.80
90-120	524.65	N.A.	26.60
90-130	882.90	N.A.	44.70
90-150	1594.56	N.A.	80.80
90-180	1973.43	N.A.	100.00
110-180	1740.1	N.A.	88.20
0-180	1973.43	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	54.14
100-110	179.20
110-120	291.31
120-130	358.25
130-140	389.39
140-150	322.28
150-160	208.40
160-170	128.86
170-180	41.61

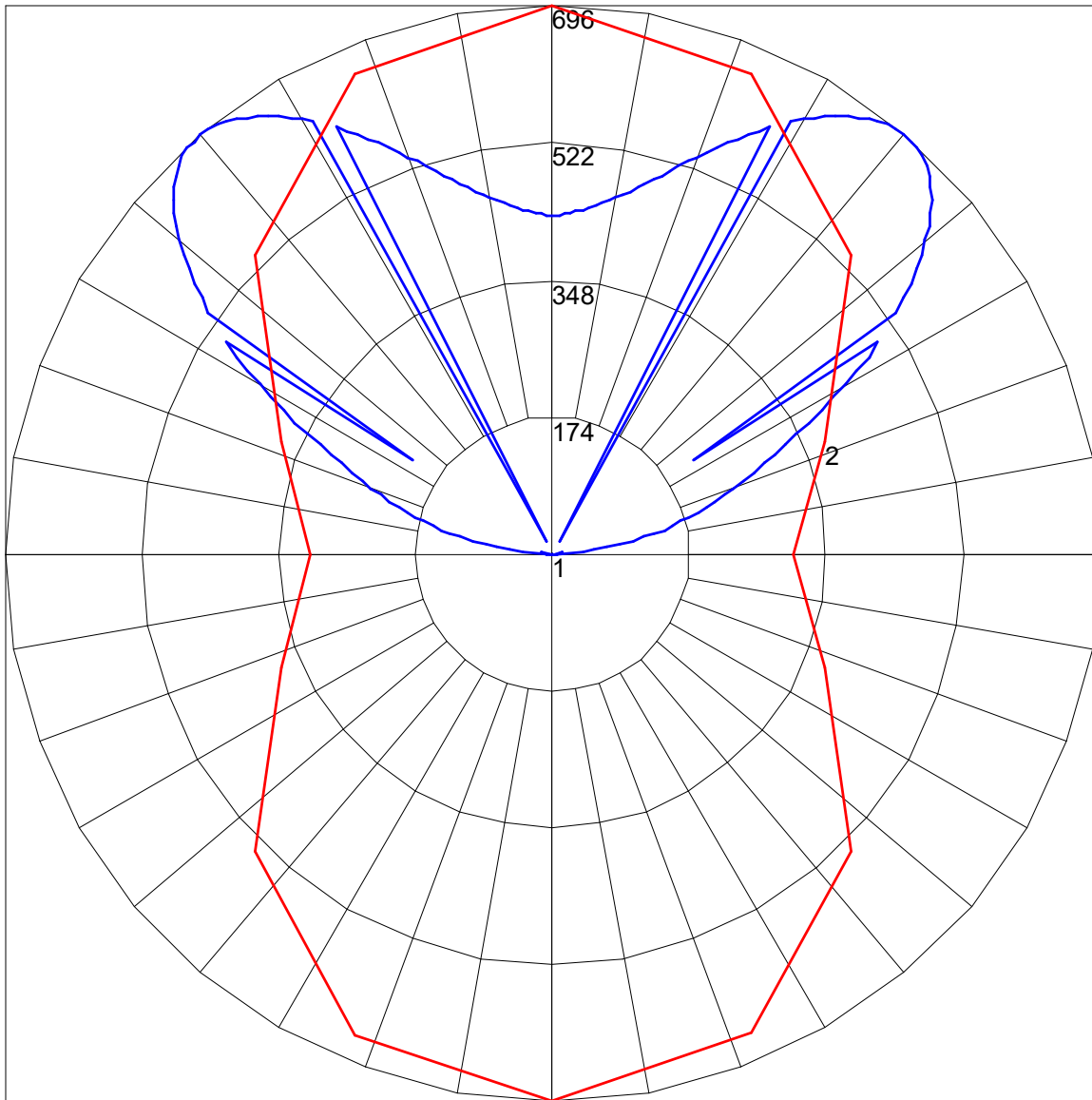
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-LO-4-D2-SCW.IES**

**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 = 696 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.)