

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : WV2-LED35-80-MO-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-MO-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	3017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	25
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-MO-4-D2-MCW.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	3.18	10.07	4.24	3.71	2.12	1.59	2.12	3.18	3.18
92	7.42	36.04	25.97	24.91	10.07	6.89	24.38	23.85	7.42
93	12.19	63.60	66.25	63.07	42.40	36.04	63.07	55.12	12.19
94	18.02	78.44	125.08	130.38	107.06	92.75	125.61	74.20	18.02
95	23.85	87.98	187.09	214.65	169.60	168.54	185.50	83.74	24.38
96	31.27	99.64	216.77	295.21	258.11	253.34	230.55	94.34	31.80
97	38.16	111.83	256.52	360.93	334.96	324.89	256.52	106.53	39.22
98	46.64	123.49	271.36	403.33	398.56	379.48	271.89	119.78	47.17
99	54.59	131.44	285.14	436.19	444.67	419.23	286.20	128.79	56.18
100	63.60	140.98	297.86	457.92	478.59	444.67	299.45	136.21	65.19
101	72.61	152.64	311.64	480.18	504.03	466.40	314.82	145.22	74.20
102	82.15	167.48	327.54	499.79	527.35	487.07	330.19	157.94	83.74
103	92.22	184.44	343.97	522.05	552.79	509.33	349.27	176.49	93.28
104	101.76	198.75	361.46	543.25	576.64	529.47	365.70	191.33	103.35
105	112.36	208.82	376.30	566.57	602.61	552.79	380.01	206.70	113.42
106	122.43	215.18	387.43	589.36	628.58	575.05	391.14	212.53	125.08
107	132.50	221.54	397.50	612.15	655.08	599.43	401.21	218.89	134.09
108	143.10	228.96	408.10	633.35	681.58	621.16	411.81	225.78	145.75
109	153.70	236.38	419.76	652.96	707.55	642.89	422.94	233.20	155.29

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

110	164.30	244.33	435.13	669.39	732.46	661.97	436.19	241.15	166.95
111	175.43	251.75	451.03	684.23	753.13	677.34	454.74	249.10	177.02
112	184.97	259.70	473.82	698.54	773.80	692.18	478.06	256.52	188.68
113	195.57	267.12	493.96	712.85	791.29	705.96	501.91	263.94	199.28
114	206.17	274.01	514.63	726.63	808.25	720.27	522.05	271.36	209.88
115	216.77	281.96	528.41	742.53	824.15	733.52	535.83	278.78	221.01
116	227.90	289.38	537.95	758.96	840.05	749.42	542.19	286.73	231.61
117	239.56	298.39	541.66	779.63	855.95	767.44	544.31	294.68	242.74
118	249.10	306.34	542.72	799.77	872.38	789.17	544.84	303.16	253.34
119	261.29	316.41	544.31	819.38	891.99	810.37	546.43	312.17	263.94
120	270.83	325.42	546.43	833.16	913.19	828.39	548.55	322.24	274.54
121	282.49	335.49	549.08	842.70	931.74	841.64	551.73	331.78	285.67
122	292.03	346.09	551.73	844.82	946.58	848.00	554.38	341.85	296.27
123	303.69	355.10	554.91	841.64	955.06	847.47	557.56	351.92	306.87
124	313.23	365.70	558.09	835.81	958.24	842.17	560.74	361.46	317.47
125	324.89	374.71	561.27	830.51	954.00	836.34	563.39	371.53	328.07
126	335.49	384.78	563.92	825.21	946.05	830.51	566.57	381.60	338.67
127	346.09	394.32	567.10	819.91	938.10	825.21	569.22	390.61	349.27
128	356.69	403.86	569.75	814.61	929.09	819.91	571.87	400.68	359.87
129	366.76	413.40	571.87	809.31	920.61	814.61	574.52	409.69	369.94
130	376.83	422.94	574.52	804.01	912.13	809.31	576.64	419.76	380.54
131	386.90	431.95	576.64	798.71	903.65	804.01	579.29	428.24	391.14
132	397.50	440.96	579.82	792.88	894.64	798.18	581.94	438.31	400.68
133	407.04	449.97	582.47	787.05	885.63	792.35	584.59	447.32	411.81
134	417.11	458.45	585.65	781.22	876.62	786.52	587.77	455.80	420.82
135	427.18	467.46	588.83	775.39	867.08	780.16	590.42	464.81	431.42
136	436.72	475.94	592.01	769.03	857.54	774.33	594.13	473.29	439.90
137	446.26	484.42	595.19	763.20	848.00	767.97	597.31	482.30	450.50
138	455.27	492.90	598.90	756.84	837.93	762.14	601.02	490.25	459.51
139	464.28	500.85	602.08	751.54	827.86	756.31	604.20	498.73	468.52
140	473.29	508.80	605.79	745.71	818.32	750.48	607.91	506.15	477.53
141	482.30	516.22	608.97	740.41	808.78	744.65	610.56	514.10	486.54
142	491.84	523.64	611.62	735.11	798.71	739.35	613.74	521.52	495.02
143	499.79	531.06	614.80	730.34	790.23	734.05	616.39	528.94	503.50
144	508.80	537.95	617.45	726.10	781.22	729.81	619.57	536.36	511.45
145	515.69	544.84	620.10	721.86	773.80	725.04	622.22	543.25	519.93
146	524.70	551.73	622.75	717.62	765.32	721.33	624.87	550.14	527.35
147	532.65	558.09	625.40	713.91	758.43	717.09	626.99	556.50	535.30
148	539.54	564.45	627.52	710.20	751.54	713.38	629.64	562.86	542.72
149	546.96	570.28	629.64	706.49	744.65	709.67	631.76	568.69	549.61
150	553.85	576.11	631.76	703.31	738.29	705.96	633.88	575.05	556.50
151	560.74	581.94	634.41	700.13	731.93	702.25	635.47	580.35	563.92
152	567.10	587.24	636.00	696.95	726.63	699.60	637.59	586.18	569.75
153	573.99	592.54	638.12	693.77	720.80	696.42	639.18	591.48	576.64
154	579.82	597.84	639.71	691.12	715.50	693.24	640.77	596.25	583.00
155	585.65	602.08	641.30	688.47	710.73	690.59	642.36	601.02	588.83
156	591.48	607.38	642.89	685.82	705.96	687.94	643.95	605.79	594.13
157	596.78	611.09	644.48	683.17	701.72	685.29	645.54	610.03	599.43
158	602.61	615.86	645.54	681.05	697.48	682.64	646.60	614.80	604.73
159	606.85	619.57	646.60	678.93	693.24	680.52	647.66	618.51	609.50
160	612.15	623.28	648.19	676.81	690.06	678.40	649.25	622.75	614.27
161	616.39	626.99	649.25	674.69	686.35	676.28	650.31	625.93	618.51
162	621.16	630.17	650.31	673.10	683.17	674.69	651.37	629.64	622.75
163	624.87	633.35	651.37	671.51	680.52	673.10	651.90	632.82	626.46
164	629.11	636.53	651.90	669.92	677.87	670.98	652.96	635.47	630.17
165	632.29	639.18	652.96	668.33	675.22	669.92	653.49	638.65	633.88

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

CANDELA TABULATION - (Cont.)

166	636.00	641.83	653.49	667.27	673.10	668.33	654.55	641.30	637.06
167	638.65	643.95	654.55	666.21	670.98	667.27	655.08	643.42	640.24
168	641.83	646.07	655.08	665.15	669.39	666.21	655.61	645.54	642.89
169	644.48	648.19	655.61	664.09	667.80	665.15	656.14	647.66	645.54
170	647.13	650.31	656.14	663.03	666.74	664.09	656.67	649.78	648.19
171	649.25	651.90	656.67	662.50	665.15	663.03	657.20	651.37	649.78
172	650.84	653.49	657.20	661.44	664.09	662.50	657.73	652.96	651.90
173	652.96	654.55	657.73	660.91	663.03	661.97	657.73	654.55	653.49
174	654.55	655.61	657.73	660.38	662.50	660.91	658.26	655.61	655.08
175	655.61	656.67	658.26	660.38	661.44	660.38	658.26	656.67	656.14
176	656.67	657.20	658.26	659.85	661.44	660.38	658.79	657.20	657.20
177	657.73	658.26	658.79	659.32	660.91	659.85	658.79	657.73	657.73
178	658.26	658.26	658.79	659.32	660.38	659.32	658.79	658.26	658.26
179	658.79	658.79	658.79	659.32	660.38	659.32	658.79	658.79	658.79
180	659.32	659.32	659.32	659.32	659.32	659.32	659.32	659.32	659.32

**IES INDOOR REPORT**  
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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	543.97	N.A.	18.00
90-120	1054.33	N.A.	35.00
90-130	1591.92	N.A.	52.80
90-150	2469.93	N.A.	81.90
90-180	3016.51	N.A.	100.00
110-180	2472.54	N.A.	82.00
0-180	3016.51	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	150.86
100-110	393.11
110-120	510.37
120-130	537.58
130-140	480.14
140-150	397.87
150-160	298.57
160-170	185.21
170-180	62.80

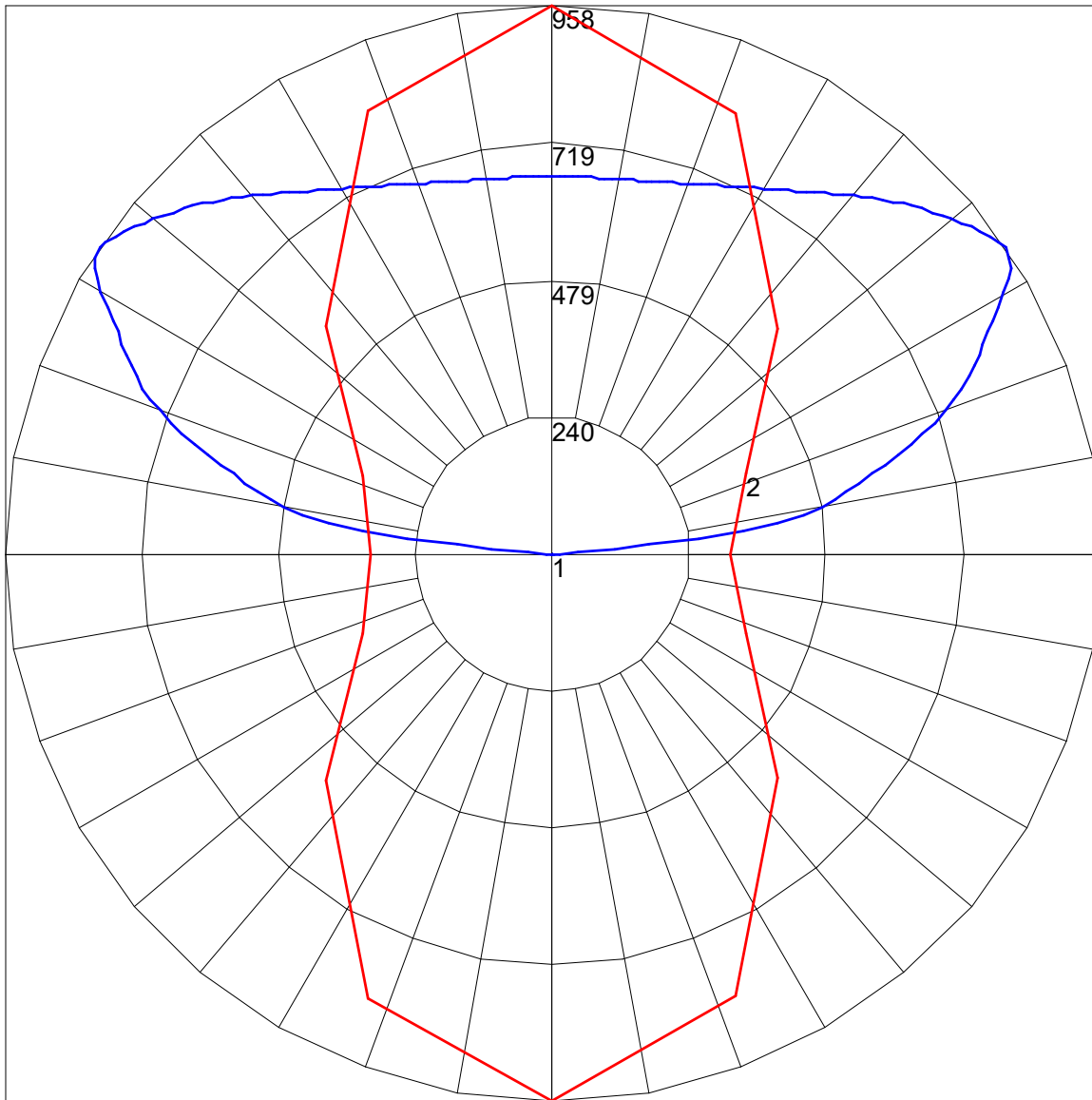
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : WV2-LED35-80-MO-4-D2-MCW.IES**

**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	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 = 958.24 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.)