

IES Report

ZipWave® | 707 | Clear with EdgeSoft™, fixture in cove | 80 CRI | HO

707-Z9-4-48-AW / EW-XX-X-0-Z-HO-35-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	63	65	66	66
Total Lumens, 4' rail length (1219mm)	3365	3471	3542	3542
Lumens per foot (305mm)	841	868	885	885
Input Power (W), 4' rail length (1219mm)	53.7	53.7	53.7	53.7
Watts per foot (305mm)	13.5	13.5	13.5	13.5
CRI	82	82	82	82

Due to the large number of options in Vode's product offering, most Vode IES reports are factored reports prepared from source reports. Source reports are the IES test reports prepared for Vode by an NVLAP accredited photometric test laboratory. Factored reports are based on data from the Vode source reports.

If the data above is in black, it is directly from a Vode source report. If it is in grey, it is factored from Vode source reports. Reference details on Vode source reports can be found on the [IES File Finder](#) page on [vode.com](#).



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z9_AW_HO_35_C1_IN COVE.IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] L121911562 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z9-48-AW-Z-HO-35-C1-AL

[LUMINAIRE] ZipWave LED, 48", Armstrong wall cove part no. AXIDLCWKE48, 3500K, 80 CRI, zipper board,

[MORE] clear lens w/edgesoft, high output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3535
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	53.73
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.38
Spacing Criterion (90-270)	1.92
Spacing Criterion (Diagonal)	3.06
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.06 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	280	3923	14571
55	518	5009	19000
65	938	6329	26490
75	1531	7273	42106
85	3410	11367	81844

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6
5.0	123.2	123.2	123.2	123.2	123.2	125.4	127.6	127.6	129.8	134.2
10.0	92.4	92.4	94.6	94.6	94.6	96.8	99.0	103.4	107.8	112.2
15.0	68.2	70.4	70.4	70.4	72.6	74.8	81.4	85.8	92.4	99.0
20.0	50.6	50.6	50.6	52.8	55.0	59.4	66.0	72.6	79.2	88.0
25.0	35.2	35.2	37.4	39.6	41.8	48.4	59.4	61.6	70.4	79.2
30.0	24.2	24.2	24.2	28.6	33.0	39.6	44.0	59.4	63.8	72.6
35.0	8.8	11.0	13.2	19.8	26.4	33.0	37.4	50.6	63.8	70.4
37.5	4.4	4.4	4.4	8.8	13.2	24.2	35.2	44.0	61.6	68.2
40.0	4.4	4.4	4.4	8.8	13.2	19.8	26.4	35.2	57.2	66.0
42.5	4.4	4.4	4.4	8.8	15.4	19.8	26.4	35.2	41.8	68.2
45.0	4.4	4.4	6.6	11.0	15.4	22.0	28.6	35.2	41.8	61.6
47.5	4.4	4.4	6.6	11.0	15.4	22.0	28.6	37.4	41.8	61.6
50.0	4.4	4.4	6.6	11.0	17.6	24.2	30.8	37.4	44.0	61.6
52.5	6.6	6.6	8.8	13.2	17.6	24.2	30.8	39.6	46.2	61.6
55.0	6.6	6.6	8.8	13.2	19.8	24.2	30.8	39.6	46.2	63.8
57.5	8.8	8.8	8.8	13.2	19.8	24.2	33.0	39.6	46.2	63.8
60.0	8.8	8.8	11.0	13.2	19.8	24.2	30.8	39.6	46.2	63.8
62.5	8.8	8.8	11.0	13.2	19.8	24.2	30.8	39.6	44.0	61.6
65.0	8.8	8.8	11.0	13.2	17.6	24.2	28.6	37.4	41.8	59.4
67.5	8.8	8.8	11.0	13.2	17.6	22.0	28.6	35.2	39.6	55.0
70.0	8.8	8.8	11.0	13.2	17.6	22.0	26.4	33.0	39.6	46.2
72.5	8.8	8.8	11.0	13.2	15.4	19.8	24.2	30.8	37.4	41.8
75.0	8.8	8.8	11.0	13.2	15.4	19.8	24.2	28.6	35.2	41.8
77.5	8.8	8.8	8.8	11.0	15.4	17.6	22.0	26.4	30.8	37.4
80.0	8.8	8.8	8.8	11.0	13.2	15.4	19.8	22.0	26.4	33.0
85.0	6.6	6.6	8.8	8.8	11.0	13.2	15.4	17.6	19.8	22.0
90.0	6.6	6.6	6.6	8.8	8.8	8.8	11.0	13.2	13.2	15.4
95.0	6.6	6.6	8.8	8.8	8.8	11.0	13.2	13.2	15.4	17.6
100.0	6.6	6.6	8.8	8.8	11.0	13.2	15.4	17.6	19.8	22.0
105.0	6.6	6.6	8.8	8.8	11.0	13.2	17.6	22.0	26.4	30.8
110.0	6.6	6.6	6.6	11.0	13.2	17.6	19.8	26.4	33.0	35.2
115.0	6.6	6.6	6.6	11.0	15.4	19.8	26.4	33.0	37.4	48.4
120.0	6.6	6.6	6.6	11.0	17.6	24.2	30.8	37.4	50.6	59.4
125.0	4.4	4.4	6.6	13.2	19.8	28.6	33.0	48.4	61.6	74.8
130.0	4.4	4.4	8.8	15.4	22.0	28.6	44.0	59.4	74.8	85.8
135.0	4.4	4.4	8.8	15.4	26.4	33.0	52.8	68.2	81.4	88.0
140.0	4.4	4.4	8.8	15.4	22.0	39.6	52.8	70.4	77.0	85.8
145.0	4.4	4.4	6.6	13.2	22.0	30.8	46.2	57.2	72.6	79.2
150.0	4.4	4.4	4.4	8.8	15.4	26.4	35.2	48.4	59.4	70.4
155.0	4.4	4.4	4.4	6.6	11.0	17.6	26.4	33.0	44.0	52.8
160.0	4.4	4.4	4.4	4.4	8.8	11.0	15.4	24.2	30.8	37.4
165.0	4.4	4.4	4.4	4.4	4.4	4.4	8.8	11.0	15.4	19.8
170.0	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	6.6
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0.0	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6
5.0	136.4	138.6	143.0	147.4	151.8	156.2	160.6	165.0	169.4	176.0
10.0	118.8	123.2	129.8	136.4	145.2	151.8	160.6	169.4	178.2	187.0
15.0	105.6	114.4	121.0	129.8	140.8	149.6	160.6	173.8	184.8	198.0

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CANDELA TABULATION - (Cont.)

20.0	96.8	105.6	114.4	125.4	136.4	149.6	162.8	178.2	193.6	209.0
25.0	88.0	99.0	110.0	123.2	136.4	149.6	165.0	182.6	200.2	222.2
30.0	83.6	94.6	107.8	121.0	136.4	151.8	169.4	187.0	209.0	233.2
35.0	81.4	92.4	105.6	121.0	136.4	151.8	171.6	191.4	213.4	242.0
37.5	79.2	92.4	105.6	121.0	136.4	154.0	171.6	193.6	217.8	246.4
40.0	77.0	90.2	105.6	121.0	136.4	154.0	173.8	195.8	222.2	253.0
42.5	77.0	90.2	103.4	121.0	138.6	156.2	176.0	200.2	226.6	259.6
45.0	74.8	90.2	103.4	121.0	138.6	156.2	178.2	202.4	228.8	264.0
47.5	68.2	88.0	105.6	121.0	138.6	158.4	180.4	204.6	233.2	270.6
50.0	68.2	83.6	103.4	121.0	138.6	160.6	182.6	206.8	235.4	275.0
52.5	70.4	81.4	101.2	121.0	140.8	160.6	182.6	209.0	237.6	279.4
55.0	70.4	83.6	99.0	121.0	140.8	162.8	184.8	211.2	242.0	283.8
57.5	70.4	83.6	96.8	116.6	140.8	160.6	187.0	213.4	244.2	288.2
60.0	70.4	83.6	96.8	114.4	138.6	160.6	187.0	213.4	246.4	292.6
62.5	68.2	81.4	96.8	112.2	134.2	160.6	187.0	215.6	246.4	294.8
65.0	66.0	79.2	94.6	110.0	129.8	156.2	184.8	215.6	248.6	299.2
67.5	61.6	74.8	90.2	107.8	125.4	151.8	182.6	215.6	248.6	301.4
70.0	63.8	70.4	83.6	101.2	121.0	145.2	178.2	213.4	246.4	303.6
72.5	57.2	63.8	77.0	94.6	114.4	138.6	169.4	209.0	244.2	305.8
75.0	46.2	63.8	70.4	85.8	103.4	127.6	160.6	204.6	242.0	308.0
77.5	41.8	55.0	61.6	74.8	92.4	114.4	147.4	193.6	237.6	308.0
80.0	37.4	44.0	57.2	63.8	77.0	96.8	129.8	180.4	226.6	297.0
85.0	26.4	30.8	35.2	41.8	46.2	70.4	79.2	116.6	158.4	200.2
90.0	15.4	17.6	19.8	22.0	24.2	24.2	24.2	26.4	35.2	92.4
95.0	19.8	22.0	24.2	28.6	35.2	39.6	63.8	116.6	134.2	182.6
100.0	26.4	30.8	35.2	46.2	59.4	92.4	118.8	154.0	169.4	193.6
105.0	33.0	41.8	52.8	70.4	101.2	125.4	156.2	173.8	184.8	189.2
110.0	46.2	57.2	72.6	103.4	129.8	154.0	173.8	191.4	200.2	198.0
115.0	57.2	74.8	103.4	127.6	149.6	171.6	187.0	200.2	206.8	206.8
120.0	74.8	101.2	121.0	143.0	162.8	178.2	191.4	202.4	209.0	209.0
125.0	96.8	112.2	129.8	147.4	162.8	176.0	187.0	198.0	204.6	204.6
130.0	99.0	114.4	129.8	143.0	156.2	167.2	176.0	187.0	191.4	193.6
135.0	99.0	107.8	121.0	134.2	143.0	154.0	160.6	167.2	173.8	178.2
140.0	94.6	105.6	112.2	121.0	129.8	134.2	143.0	149.6	151.8	156.2
145.0	88.0	96.8	101.2	107.8	114.4	118.8	123.2	125.4	129.8	132.0
150.0	77.0	83.6	88.0	94.6	99.0	101.2	103.4	105.6	107.8	107.8
155.0	61.6	70.4	74.8	77.0	79.2	83.6	85.8	85.8	83.6	81.4
160.0	41.8	48.4	52.8	57.2	61.6	61.6	61.6	59.4	59.4	57.2
165.0	22.0	28.6	33.0	37.4	39.6	39.6	39.6	39.6	37.4	35.2
170.0	6.6	8.8	11.0	13.2	15.4	15.4	15.4	15.4	13.2	11.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles Horizontal Angles

	100	105	110	115	120	125	130	135	140	145
0.0	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6	171.6
5.0	180.4	184.8	189.2	195.8	200.2	206.8	211.2	215.6	220.0	224.4
10.0	195.8	204.6	213.4	224.4	233.2	244.2	253.0	261.8	270.6	279.4
15.0	211.2	226.6	239.8	257.4	272.8	288.2	305.8	321.2	338.8	352.0
20.0	228.8	248.6	268.4	292.6	316.8	343.2	367.4	396.0	422.4	448.8
25.0	246.4	272.8	301.4	332.2	367.4	404.8	429.0	488.4	534.6	585.2
30.0	261.8	297.0	334.4	378.4	426.8	459.8	552.2	620.4	697.4	761.2
35.0	275.0	314.6	358.6	411.4	446.6	554.4	635.8	726.0	803.0	873.4
37.5	283.8	325.6	378.4	418.0	514.8	609.4	708.4	798.6	880.0	952.6
40.0	292.6	341.0	398.2	444.4	565.4	673.2	772.2	866.8	952.6	1027.4

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CANDELA TABULATION - (Cont.)

42.5	301.4	354.2	398.2	506.0	618.2	732.6	836.0	935.0	1023.0	1100.0
45.0	308.0	365.2	413.6	539.0	662.2	776.6	884.4	983.4	1073.6	1148.4
47.5	319.0	382.8	437.8	585.2	712.8	831.6	941.6	1042.8	1130.8	1199.0
50.0	327.8	398.2	464.2	633.6	761.2	882.2	994.4	1091.2	1172.6	1238.6
52.5	336.6	389.4	534.6	673.2	805.2	928.4	1036.2	1126.4	1199.0	1254.0
55.0	345.4	404.8	572.0	712.8	847.0	965.8	1067.0	1148.4	1207.8	1254.0
57.5	356.4	424.6	607.2	745.8	880.0	992.2	1082.4	1148.4	1201.2	1247.4
60.0	363.0	440.0	631.4	770.0	897.6	1001.0	1080.2	1139.6	1192.4	1236.4
62.5	374.0	462.0	657.8	794.2	913.0	1001.0	1067.0	1126.4	1177.0	1221.0
65.0	360.8	539.0	682.0	809.6	904.2	976.8	1042.8	1095.6	1144.0	1183.6
67.5	371.8	558.8	693.0	803.0	884.4	954.8	1016.4	1069.2	1113.2	1150.6
70.0	380.6	567.6	688.6	778.8	858.0	926.2	983.4	1034.0	1073.6	1106.6
72.5	387.2	565.4	664.4	750.2	827.2	888.8	943.8	987.8	1025.2	1053.8
75.0	387.2	545.6	633.6	715.0	787.6	847.0	893.2	932.8	963.6	992.2
77.5	376.2	508.2	594.0	671.0	737.0	789.8	831.6	869.0	899.8	928.4
80.0	380.6	433.4	547.8	618.2	677.6	723.8	765.6	803.0	833.8	862.4
85.0	264.0	345.4	418.0	451.0	536.8	580.8	620.4	657.8	690.8	719.4
90.0	134.2	206.8	272.8	330.0	380.6	424.6	444.4	499.4	530.2	558.8
95.0	224.4	257.4	303.6	354.2	396.0	429.0	451.0	495.0	523.6	550.0
100.0	235.4	255.2	275.0	294.8	308.0	319.0	435.6	481.8	587.4	616.0
105.0	239.8	250.8	259.6	270.6	279.4	288.2	297.0	301.4	303.6	305.8
110.0	248.6	255.2	255.2	255.2	257.4	259.6	259.6	259.6	257.4	253.0
115.0	250.8	255.2	253.0	246.4	239.8	235.4	231.0	224.4	217.8	209.0
120.0	233.2	253.0	248.6	239.8	226.6	217.8	204.6	193.6	184.8	173.8
125.0	213.4	242.0	237.6	228.8	217.8	202.4	187.0	169.4	156.2	143.0
130.0	193.6	224.4	222.2	213.4	200.2	189.2	173.8	156.2	136.4	118.8
135.0	173.8	191.4	200.2	193.6	182.6	169.4	156.2	140.8	123.2	105.6
140.0	156.2	160.6	176.0	171.6	160.6	149.6	136.4	123.2	107.8	96.8
145.0	132.0	129.8	136.4	143.0	136.4	127.6	116.6	103.4	96.8	77.0
150.0	105.6	101.2	101.2	101.2	110.0	103.4	94.6	88.0	72.6	61.6
155.0	79.2	77.0	72.6	70.4	68.2	79.2	72.6	63.8	55.0	46.2
160.0	55.0	50.6	46.2	44.0	39.6	39.6	37.4	39.6	35.2	28.6
165.0	30.8	26.4	24.2	19.8	15.4	15.4	11.0	8.8	8.8	8.8
170.0	11.0	8.8	8.8	8.8	6.6	6.6	6.6	6.6	6.6	6.6
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles **Horizontal Angles**

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0.0	171.6	171.6	171.6	171.6	171.6	171.6	171.6
5.0	228.8	233.2	235.4	237.6	239.8	239.8	239.8
10.0	288.2	294.8	301.4	305.8	310.2	312.4	312.4
15.0	365.2	378.4	389.4	398.2	404.8	409.2	411.4
20.0	462.0	495.0	514.8	532.4	545.6	554.4	556.6
25.0	629.2	673.2	708.4	737.0	756.8	770.0	772.2
30.0	816.2	864.6	904.2	935.0	957.0	970.2	974.6
35.0	932.8	985.6	1027.4	1060.4	1084.6	1097.8	1102.2
37.5	1014.2	1069.2	1113.2	1148.4	1170.4	1185.8	1190.2
40.0	1093.4	1146.2	1190.2	1225.4	1247.4	1260.6	1265.0
42.5	1163.8	1218.8	1260.6	1291.4	1311.2	1324.4	1326.6
45.0	1210.0	1260.6	1302.4	1331.0	1350.8	1364.0	1366.2
47.5	1258.4	1306.8	1339.8	1368.4	1381.6	1390.4	1392.6
50.0	1289.2	1326.6	1353.0	1375.0	1390.4	1399.2	1401.4
52.5	1295.8	1331.0	1357.4	1377.2	1392.6	1399.2	1401.4
55.0	1293.6	1328.8	1355.2	1372.8	1386.0	1394.8	1397.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z9_AW_HO_35_C1_IN COVE.IES****CANDELA TABULATION - (Cont.)**

57.5	1284.8	1317.8	1342.0	1361.8	1375.0	1381.6	1381.6
60.0	1273.8	1304.6	1328.8	1346.4	1359.6	1368.4	1370.6
62.5	1254.0	1282.6	1304.6	1322.2	1333.2	1342.0	1342.0
65.0	1216.6	1243.0	1262.8	1280.4	1289.2	1295.8	1298.0
67.5	1181.4	1203.4	1223.2	1236.4	1247.4	1254.0	1254.0
70.0	1133.0	1157.2	1172.6	1185.8	1192.4	1199.0	1201.2
72.5	1078.0	1097.8	1115.4	1126.4	1135.2	1141.8	1144.0
75.0	1016.4	1036.2	1053.8	1067.0	1075.8	1082.4	1084.6
77.5	952.6	972.4	990.0	1005.4	1014.2	1020.8	1023.0
80.0	886.6	906.4	924.0	937.2	948.2	952.6	957.0
85.0	743.6	765.6	783.2	796.4	805.2	811.8	811.8
90.0	583.0	602.8	618.2	631.4	640.2	646.8	649.0
95.0	572.0	591.8	609.4	622.6	631.4	638.0	640.2
100.0	635.8	649.0	664.4	671.0	679.8	684.2	682.0
105.0	305.8	312.4	323.4	468.6	569.8	675.4	699.6
110.0	248.6	239.8	228.8	220.0	213.4	209.0	206.8
115.0	202.4	191.4	180.4	167.2	154.0	147.4	145.2
120.0	162.8	151.8	136.4	118.8	107.8	101.2	99.0
125.0	129.8	114.4	99.0	83.6	72.6	63.8	61.6
130.0	101.2	90.2	66.0	50.6	41.8	30.8	33.0
135.0	92.4	66.0	48.4	30.8	13.2	11.0	8.8
140.0	74.8	57.2	39.6	19.8	17.6	8.8	6.6
145.0	63.8	48.4	30.8	17.6	15.4	8.8	6.6
150.0	48.4	37.4	22.0	19.8	13.2	6.6	6.6
155.0	35.2	24.2	22.0	15.4	11.0	6.6	6.6
160.0	22.0	19.8	17.6	13.2	8.8	6.6	6.6
165.0	13.2	13.2	11.0	8.8	6.6	6.6	6.6
170.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z9_AW_HO_35_C1_IN COVE.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	78.37	N.A.	2.20
0-30	216.40	N.A.	6.10
0-40	463.82	N.A.	13.10
0-60	1315.48	N.A.	37.20
0-80	2303.59	N.A.	65.20
0-90	2643.88	N.A.	74.80
10-90	2626.72	N.A.	74.30
20-40	385.46	N.A.	10.90
20-50	760.75	N.A.	21.50
40-70	1367.57	N.A.	38.70
60-80	988.11	N.A.	27.90
70-80	472.20	N.A.	13.40
80-90	340.29	N.A.	9.60
90-110	476.77	N.A.	13.50
90-120	619.62	N.A.	17.50
90-130	731.77	N.A.	20.70
90-150	862.09	N.A.	24.40
90-180	891.46	N.A.	25.20
110-180	414.69	N.A.	11.70
0-180	3535.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	17.16
10-20	61.21
20-30	138.04
30-40	247.42
40-50	375.29
50-60	476.37
60-70	515.91
70-80	472.20
80-90	340.29
90-100	264.38
100-110	212.38
110-120	142.85
120-130	112.15
130-140	80.37
140-150	49.95
150-160	23.22
160-170	5.86
170-180	0.29

IES INDOOR REPORT

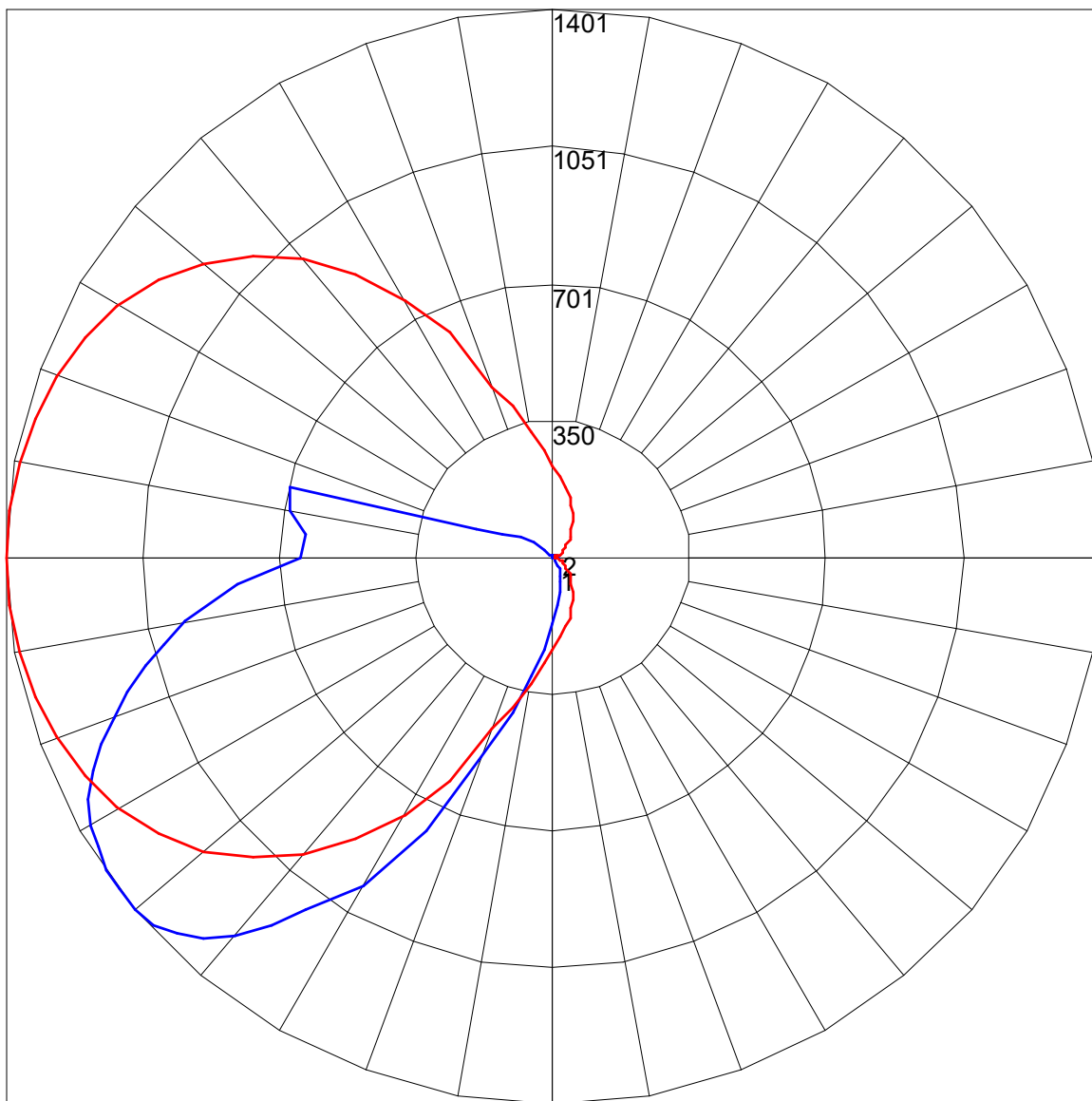
PHOTOMETRIC FILENAME : VODE_707_Z9_AW_HO_35_C1_IN COVE.IES

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	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75
1	98	91	85	79	92	86	80	75	77	72	68	69	65	62	61	58	55	51
2	86	75	67	59	81	71	63	56	63	57	51	56	51	46	49	45	41	38
3	77	64	54	46	72	60	51	44	53	46	40	47	41	36	41	36	32	28
4	69	55	44	36	65	52	42	35	46	38	32	40	34	28	35	30	25	22
5	63	48	37	30	59	45	36	28	40	32	26	35	28	23	31	25	21	18
6	57	42	32	25	53	40	30	24	35	27	21	31	24	19	27	22	17	14
7	53	38	28	21	49	35	26	20	32	24	18	28	21	16	24	19	14	12
8	48	34	24	18	45	32	23	17	28	21	16	25	19	14	22	17	12	10
9	45	30	22	16	42	29	21	15	26	19	13	23	17	12	20	15	11	8
10	42	28	19	14	39	26	18	13	24	17	12	21	15	11	18	13	9	7

POLAR GRAPH



Maximum Candela = 1401.4 Located At Horizontal Angle = 180, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)