

## IES Report

ZipWave® | 707 | Clear with EdgeSoft™ | 80 CRI | HO

707-Z9-4-48-AC / EL-XX-X-0-Z-HO-35-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	116	120	122	122
Total Lumens, 4' rail length (1219mm)	6219	6415	6546	6546
Lumens per foot (305mm)	1555	1604	1636	1636
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\_AC\_Z\_HO\_35\_C1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911558R01 (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-AC-Z-HO-35-C1-AL

[LUMINAIRE] ZipWave LED, ceiling cove, 48", 3500K, 80 CRI, zipper board, clear lens w/edgesoft,

[MORE] 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	6534
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	53.73
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	Unknown
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	4.00 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</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>
<b>0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>10</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>15</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>20</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>25</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>30</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>40</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>45</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>50</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>55</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>60</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>65</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>70</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>75</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>80</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>85</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>90</b>	165.0	165.0	178.2	191.4	202.4	213.4	226.6	237.6	248.6	261.8
<b>95</b>	2789.6	2776.4	2736.8	2679.6	2596.0	2486.0	2349.6	2180.2	1982.2	1766.6
<b>100</b>	2952.4	2941.4	2901.8	2838.0	2754.4	2644.4	2505.8	2336.4	2136.2	1916.2
<b>105</b>	3022.8	3005.2	2970.0	2908.4	2818.2	2712.6	2563.0	2398.0	2211.0	2002.0
<b>110</b>	3027.2	3016.2	2983.2	2926.0	2846.8	2745.6	2622.4	2479.4	2301.2	2112.0
<b>115</b>	3066.8	3053.6	3020.6	2972.2	2895.2	2802.8	2686.2	2552.0	2389.2	2208.8
<b>120</b>	3086.6	3077.8	3047.0	2998.6	2932.6	2842.4	2732.4	2593.8	2426.6	2241.8
<b>125</b>	3077.8	3069.0	3036.0	2987.6	2919.4	2822.6	2708.2	2569.6	2400.2	2217.6
<b>130</b>	3003.0	2994.2	2965.6	2912.8	2844.6	2750.0	2633.4	2494.8	2327.6	2149.4
<b>135</b>	2873.2	2864.4	2833.6	2780.8	2714.8	2620.2	2510.2	2371.6	2215.4	2048.2
<b>140</b>	2688.4	2679.6	2648.8	2598.2	2532.2	2439.8	2334.2	2208.8	2065.8	1918.4
<b>145</b>	2448.6	2442.0	2409.0	2365.0	2303.4	2224.2	2129.6	2019.6	1896.4	1771.0
<b>150</b>	2171.4	2167.0	2142.8	2105.4	2052.6	1984.4	1905.2	1815.0	1718.2	1621.4
<b>155</b>	1881.0	1876.6	1856.8	1828.2	1788.6	1738.0	1680.8	1614.8	1544.4	1471.8
<b>160</b>	1614.8	1608.2	1595.0	1575.2	1548.8	1515.8	1476.2	1434.4	1386.0	1337.6
<b>165</b>	1383.8	1381.6	1375.0	1364.0	1348.6	1326.6	1304.6	1278.2	1247.4	1216.6
<b>170</b>	1199.0	1199.0	1194.6	1188.0	1179.2	1170.4	1159.4	1144.0	1128.6	1113.2
<b>175</b>	1056.0	1056.0	1056.0	1053.8	1049.4	1047.2	1042.8	1038.4	1031.8	1025.2
<b>180</b>	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4

**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>
<b>0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>10</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>15</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>20</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>25</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>30</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>40</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>45</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>50</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>55</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>60</b>	0.0	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.)**

65	0.0	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	0.0
75	0.0	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	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	275.0	286.0	288.2	279.4	250.8	202.4	138.6	68.2	11.0	8.8
95	1520.2	1271.6	1016.4	770.0	580.8	404.8	272.8	165.0	77.0	52.8
100	1665.4	1403.6	1139.6	910.8	723.8	561.0	402.6	264.0	167.2	112.2
105	1773.2	1533.4	1300.2	1080.2	875.6	682.0	506.0	363.0	253.0	182.6
110	1905.2	1678.6	1443.2	1203.4	983.4	770.0	609.4	464.2	347.6	266.2
115	1993.2	1760.0	1522.4	1287.0	1067.0	864.6	695.2	554.4	435.6	349.8
120	2026.2	1799.6	1557.6	1324.4	1115.4	928.4	765.6	631.4	519.2	431.2
125	2004.2	1788.6	1562.0	1344.2	1150.6	979.0	825.0	697.4	594.0	510.4
130	1951.4	1746.8	1544.4	1346.4	1168.2	1014.2	875.6	756.8	662.2	583.0
135	1865.6	1685.2	1502.6	1328.8	1174.8	1038.4	910.8	809.6	723.8	649.0
140	1757.8	1603.8	1447.6	1300.2	1168.2	1053.8	943.8	853.6	776.6	710.6
145	1639.0	1511.4	1383.8	1265.0	1157.2	1058.2	965.8	891.0	822.8	763.4
150	1515.8	1416.8	1317.8	1223.2	1137.4	1058.2	983.4	919.6	862.4	809.6
155	1394.8	1322.2	1247.4	1177.0	1113.2	1051.6	992.2	941.6	895.4	851.4
160	1287.0	1234.2	1183.6	1133.0	1084.6	1040.6	996.6	957.0	919.6	884.4
165	1185.8	1152.8	1119.8	1086.8	1053.8	1023.0	994.4	963.6	939.4	913.0
170	1095.6	1078.0	1058.2	1040.6	1023.0	1003.2	985.6	968.0	950.4	932.8
175	1018.6	1012.0	1003.2	998.8	990.0	981.2	974.6	965.8	959.2	950.4
180	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4

**Vert. Angles**      **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	0.0	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	0.0
10	0.0	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	0.0
20	0.0	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	0.0
30	0.0	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	0.0
40	0.0	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	0.0
50	0.0	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	0.0
60	0.0	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	0.0
70	0.0	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	0.0
80	0.0	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	0.0
90	8.8	8.8	8.8	8.8	8.8	6.6	6.6	6.6	6.6	6.6
95	41.8	35.2	30.8	26.4	24.2	22.0	19.8	17.6	15.4	13.2
100	103.4	90.2	79.2	70.4	63.8	57.2	52.8	50.6	46.2	44.0
105	171.6	160.6	145.2	132.0	118.8	110.0	103.4	96.8	90.2	85.8
110	237.6	231.0	215.6	200.2	184.8	173.8	162.8	154.0	145.2	138.6
115	303.6	297.0	288.2	272.8	257.4	242.0	228.8	217.8	206.8	198.0
120	376.2	358.6	352.0	341.0	327.8	312.4	299.2	286.0	275.0	266.2
125	451.0	415.8	411.4	404.8	393.8	382.8	369.6	356.4	345.4	334.4
130	523.6	481.8	464.2	462.0	455.4	446.6	433.4	422.4	413.6	402.6
135	594.0	550.0	519.2	510.4	508.2	501.6	495.0	486.2	477.4	468.6

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**CANDELA TABULATION - (Cont.)**

<b>140</b>	657.8	613.8	580.8	556.6	552.2	550.0	545.6	539.0	534.6	528.0
<b>145</b>	717.2	675.4	642.4	616.0	596.2	589.6	589.6	587.4	583.0	578.6
<b>150</b>	767.8	732.6	699.6	673.2	653.4	635.8	624.8	622.6	622.6	620.4
<b>155</b>	814.0	781.0	752.4	730.4	708.4	690.8	677.6	664.4	655.6	651.2
<b>160</b>	855.8	829.4	803.0	781.0	763.4	748.0	732.6	719.4	710.6	701.8
<b>165</b>	888.8	866.8	847.0	829.4	814.0	800.8	787.6	776.6	765.6	756.8
<b>170</b>	919.6	904.2	891.0	877.8	864.6	855.8	844.8	836.0	829.4	822.8
<b>175</b>	943.8	937.2	930.6	924.0	917.4	910.8	906.4	899.8	895.4	893.2
<b>180</b>	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4	961.4

**Vert.  
Angles**

**Horizontal Angles**

	<b><u>150</u></b>	<b><u>155</u></b>	<b><u>160</u></b>	<b><u>165</u></b>	<b><u>170</u></b>	<b><u>175</u></b>	<b><u>180</u></b>
<b>0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>10</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>15</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>20</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>25</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>30</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>40</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>45</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>50</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>55</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>60</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>65</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>70</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>75</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>80</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>85</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>90</b>	6.6	6.6	6.6	6.6	4.4	4.4	4.4
<b>95</b>	13.2	11.0	11.0	8.8	8.8	8.8	8.8
<b>100</b>	41.8	39.6	37.4	35.2	35.2	33.0	33.0
<b>105</b>	81.4	79.2	77.0	74.8	72.6	70.4	70.4
<b>110</b>	134.2	127.6	125.4	121.0	118.8	118.8	116.6
<b>115</b>	191.4	187.0	182.6	178.2	176.0	173.8	173.8
<b>120</b>	257.4	250.8	244.2	239.8	237.6	235.4	233.2
<b>125</b>	325.6	316.8	310.2	305.8	303.6	301.4	299.2
<b>130</b>	393.8	387.2	380.6	374.0	371.8	369.6	369.6
<b>135</b>	459.8	453.2	446.6	442.2	437.8	437.8	435.6
<b>140</b>	521.4	514.8	510.4	508.2	503.8	501.6	501.6
<b>145</b>	574.2	572.0	567.6	565.4	563.2	561.0	561.0
<b>150</b>	618.2	616.0	613.8	611.6	611.6	611.6	611.6
<b>155</b>	651.2	649.0	646.8	649.0	646.8	646.8	646.8
<b>160</b>	695.2	688.6	684.2	679.8	679.8	677.6	677.6
<b>165</b>	752.4	745.8	741.4	737.0	734.8	732.6	732.6
<b>170</b>	816.2	811.8	807.4	805.2	800.8	800.8	800.8
<b>175</b>	888.8	886.6	884.4	882.2	880.0	880.0	880.0
<b>180</b>	961.4	961.4	961.4	961.4	961.4	961.4	961.4

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z9\_AC\_Z\_HO\_35\_C1.IES**

**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	29.89	N.A.	0.50
10-90	29.89	N.A.	0.50
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	29.89	N.A.	0.50
90-110	1759.5	N.A.	26.90
90-120	2867.58	N.A.	43.90
90-130	3949.47	N.A.	60.40
90-150	5628.6	N.A.	86.10
90-180	6504.04	N.A.	99.50
110-180	4744.53	N.A.	72.60
0-180	6533.93	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	29.89
90-100	722.09
100-110	1037.42
110-120	1108.07
120-130	1081.89
130-140	945.27
140-150	733.86
150-160	498.95
160-170	284.14
170-180	92.35

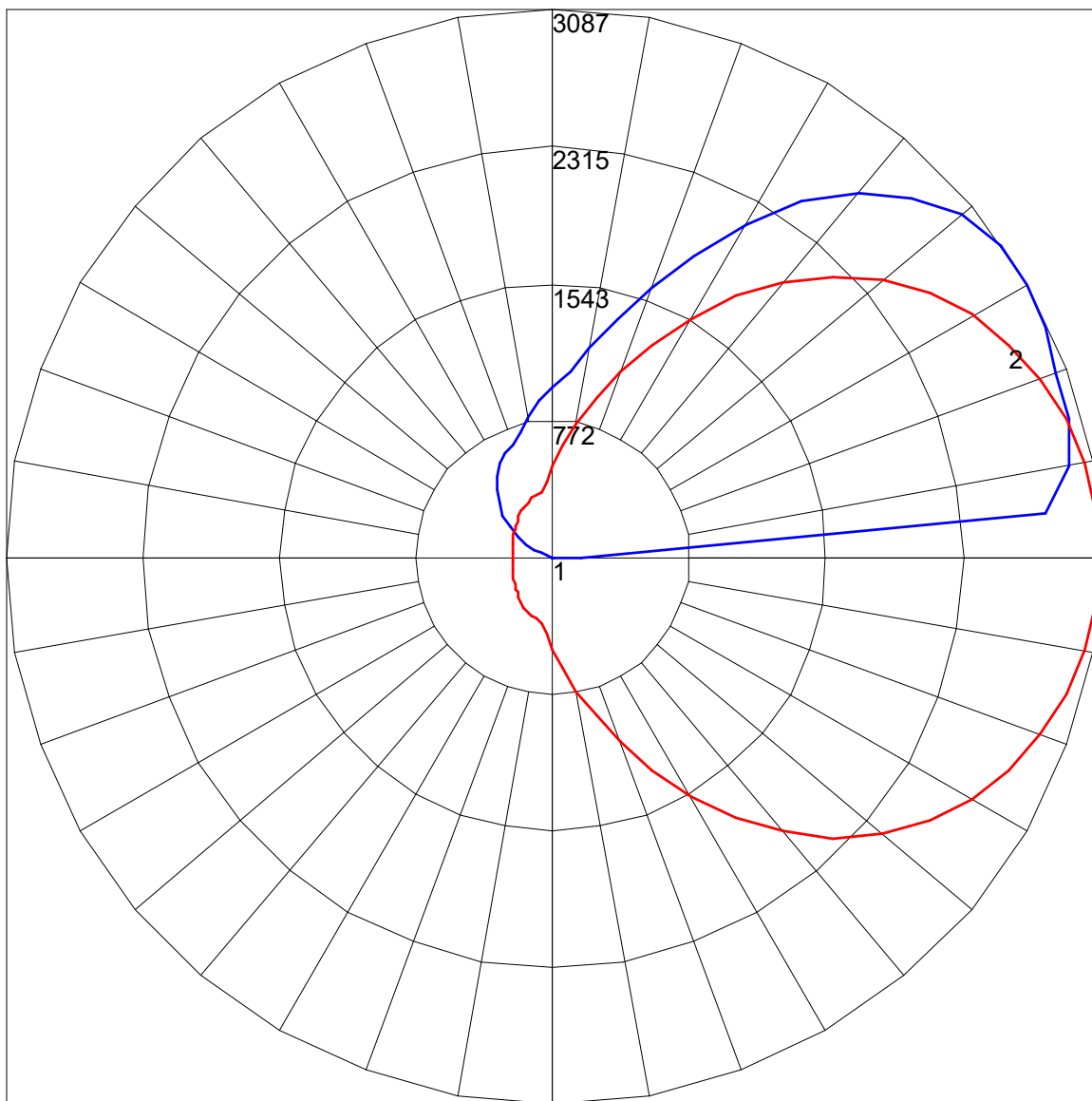
IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : VODE\_707\_Z9\_AC\_Z\_HO\_35\_C1.IES

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	82	82	82	82	56	56	56	32	32	32	11	11	11	0
1	87	82	79	76	74	71	68	65	48	47	45	28	27	26	9	9	9	0
2	79	72	66	62	67	62	57	53	42	39	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	15	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	6	5	4	0
6	55	44	36	31	47	38	31	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 = 3086.6 Located At Horizontal Angle = 0, Vertical Angle = 120

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Horizontal Cone Through Vertical Angle (120) (Through Max. Cd.)