

IES Report

ZipThree® | 707 | Symmetric with EdgeGlow™, up | 85° Asymmetric , down | 80 CRI | SO

707-Z3-4-48-XX-XX-X-0-Z-SO-35-U2A1-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	106	109	111	113
Total Lumens, 4' rail length (1219mm)	5506	5679	5795	5911
Lumens per foot (305mm)	1376	1420	1449	1478
Lumens per foot UP (305mm)	866	893	911	930
Lumens per foot DOWN (305mm)	511	527	537	548
Input Power (W), 4' rail length (1219mm)	52.4	52.4	52.4	52.4
Watts per foot (305mm)	13.1	13.1	13.1	13.1
CRI	85	85	85	85

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_Z3_SO_35_U2A1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L071704237 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 11/1/2017
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-48-Z-SO-35-U2A1
 [LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric w/edgeglow up/85 deg asymmetric down, standard output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5780
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	52.44
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.19 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17435	17215	10697
55	14904	15136	9586
65	11305	11770	7857
75	7355	7884	5791
85	2534	2850	3277

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	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94
5	923.94	922.76	921.58	919.22	916.86	912.14	907.42	902.70	895.62	888.54
10	1045.48	1044.30	1041.94	1037.22	1031.32	1023.06	1014.80	1003.00	991.20	977.04
15	1135.16	1133.98	1130.44	1125.72	1117.46	1108.02	1096.22	1080.88	1064.36	1045.48
20	1188.26	1187.08	1183.54	1177.64	1170.56	1159.94	1146.96	1131.62	1113.92	1091.50
25	1205.96	1204.78	1201.24	1196.52	1189.44	1180.00	1167.02	1152.86	1133.98	1112.74
30	1190.62	1189.44	1187.08	1182.36	1176.46	1168.20	1157.58	1143.42	1128.08	1108.02
35	1142.24	1142.24	1139.88	1136.34	1131.62	1125.72	1116.28	1105.66	1091.50	1073.80
40	1063.18	1063.18	1062.00	1059.64	1056.10	1051.38	1045.48	1037.22	1026.60	1012.44
45	958.16	956.98	956.98	955.80	953.44	951.08	946.36	940.46	933.38	922.76
50	830.72	830.72	830.72	829.54	828.36	827.18	824.82	821.28	816.56	809.48
55	691.48	691.48	691.48	690.30	690.30	689.12	687.94	685.58	683.22	678.50
60	548.70	548.70	548.70	548.70	548.70	547.52	547.52	546.34	543.98	541.62
65	411.82	413.00	413.00	413.00	413.00	411.82	411.82	411.82	409.46	408.28
70	292.64	292.64	292.64	292.64	292.64	292.64	292.64	291.46	291.46	290.28
75	186.44	186.44	186.44	186.44	186.44	186.44	186.44	186.44	186.44	185.26
80	99.12	99.12	99.12	99.12	99.12	99.12	99.12	99.12	99.12	97.94
85	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	34.22	33.04
90	1.18	1.18	1.18	2.36	2.36	2.36	2.36	2.36	2.36	1.18
95	30.68	30.68	31.86	31.86	31.86	31.86	33.04	33.04	34.22	34.22
100	83.78	83.78	83.78	84.96	86.14	87.32	88.50	89.68	90.86	93.22
105	153.40	153.40	154.58	155.76	156.94	159.30	161.66	164.02	166.38	168.74
110	240.72	240.72	241.90	243.08	245.44	247.80	251.34	254.88	258.42	261.96
115	344.56	345.74	346.92	348.10	351.64	355.18	357.54	362.26	365.80	370.52
120	464.92	464.92	466.10	468.46	472.00	474.36	479.08	482.62	487.34	492.06
125	593.54	593.54	594.72	597.08	599.44	602.98	606.52	610.06	614.78	618.32
130	720.98	722.16	722.16	724.52	726.88	729.24	732.78	736.32	741.04	745.76
135	841.34	841.34	842.52	843.70	846.06	848.42	851.96	855.50	859.04	863.76
140	951.08	951.08	952.26	953.44	954.62	956.98	960.52	962.88	965.24	968.78
145	1046.66	1047.84	1047.84	1049.02	1050.20	1051.38	1052.56	1054.92	1057.28	1058.46
150	1128.08	1128.08	1128.08	1129.26	1129.26	1130.44	1130.44	1131.62	1133.98	1135.16
155	1192.98	1192.98	1192.98	1192.98	1194.16	1195.34	1195.34	1196.52	1197.70	1198.88
160	1246.08	1246.08	1246.08	1246.08	1246.08	1247.26	1247.26	1248.44	1249.62	1250.80
165	1287.38	1287.38	1287.38	1287.38	1288.56	1288.56	1289.74	1290.92	1290.92	1292.10
170	1319.24	1319.24	1320.42	1320.42	1320.42	1320.42	1321.60	1321.60	1322.78	1323.96
175	1342.84	1342.84	1342.84	1342.84	1342.84	1342.84	1342.84	1344.02	1344.02	1344.02
180	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46

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	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94
5	881.46	873.20	863.76	854.32	844.88	835.44	824.82	814.20	803.58	792.96
10	960.52	942.82	925.12	905.06	885.00	862.58	841.34	818.92	795.32	772.90
15	1024.24	1000.64	973.50	944.00	914.50	881.46	849.60	814.20	778.80	744.58
20	1067.90	1038.40	1006.54	971.14	933.38	890.90	847.24	802.40	756.38	711.54
25	1086.78	1057.28	1021.88	982.94	939.28	889.72	836.62	783.52	726.88	671.42
30	1083.24	1053.74	1018.34	977.04	931.02	876.74	816.56	755.20	691.48	626.58
35	1052.56	1025.42	992.38	952.26	905.06	849.60	785.88	717.44	645.46	575.84
40	993.56	971.14	941.64	905.06	861.40	805.94	741.04	670.24	595.90	516.84
45	908.60	890.90	867.30	835.44	796.50	746.94	683.22	610.06	534.54	454.30
50	800.04	787.06	769.36	744.58	710.36	666.70	608.88	541.62	464.92	389.40
55	672.60	663.16	651.36	632.48	605.34	568.76	519.20	460.20	389.40	320.96
60	538.08	532.18	522.74	508.58	488.52	460.20	420.08	371.70	313.88	254.88

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U2A1.IES

CANDELA TABULATION - (Cont.)

65	405.92	401.20	395.30	383.50	371.70	350.46	320.96	283.20	236.00	192.34
70	287.92	284.38	279.66	273.76	263.14	247.80	226.56	199.42	167.56	135.70
75	184.08	182.90	179.36	174.64	168.74	159.30	145.14	128.62	107.38	88.50
80	97.94	96.76	95.58	93.22	90.86	84.96	79.06	69.62	59.00	49.56
85	33.04	33.04	33.04	33.04	31.86	30.68	28.32	24.78	21.24	18.88
90	2.36	2.36	2.36	2.36	2.36	2.36	2.36	2.36	3.54	4.72
95	35.40	35.40	36.58	36.58	37.76	38.94	40.12	40.12	41.30	43.66
100	94.40	95.58	97.94	99.12	101.48	102.66	103.84	105.02	106.20	108.56
105	172.28	174.64	177.00	180.54	182.90	184.08	186.44	187.62	189.98	191.16
110	265.50	270.22	273.76	276.12	279.66	282.02	284.38	285.56	287.92	290.28
115	375.24	379.96	384.68	388.22	391.76	394.12	396.48	398.84	401.20	403.56
120	496.78	501.50	506.22	509.76	513.30	516.84	519.20	522.74	526.28	528.64
125	623.04	628.94	632.48	637.20	640.74	643.10	646.64	650.18	653.72	656.08
130	749.30	754.02	757.56	761.10	764.64	767.00	770.54	774.08	778.80	781.16
135	867.30	870.84	873.20	875.56	879.10	882.64	886.18	889.72	893.26	897.98
140	971.14	973.50	975.86	978.22	981.76	985.30	988.84	992.38	995.92	1000.64
145	1060.82	1063.18	1064.36	1067.90	1070.26	1073.80	1077.34	1080.88	1084.42	1089.14
150	1136.34	1138.70	1141.06	1143.42	1145.78	1149.32	1151.68	1155.22	1158.76	1162.30
155	1200.06	1202.42	1203.60	1205.96	1208.32	1210.68	1214.22	1217.76	1220.12	1223.66
160	1251.98	1254.34	1255.52	1257.88	1260.24	1262.60	1264.96	1267.32	1269.68	1272.04
165	1293.28	1294.46	1296.82	1298.00	1300.36	1301.54	1303.90	1305.08	1307.44	1309.80
170	1323.96	1325.14	1326.32	1327.50	1328.68	1329.86	1332.22	1333.40	1334.58	1335.76
175	1345.20	1345.20	1346.38	1346.38	1347.56	1347.56	1348.74	1348.74	1349.92	1349.92
180	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46

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	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94	805.94
5	783.52	772.90	762.28	752.84	743.40	735.14	725.70	718.62	711.54	705.64
10	749.30	726.88	704.46	684.40	663.16	645.46	628.94	612.42	598.26	585.28
15	711.54	676.14	644.28	613.60	584.10	558.14	533.36	510.94	492.06	475.54
20	666.70	621.86	580.56	541.62	505.04	473.18	446.04	420.08	398.84	379.96
25	617.14	564.04	514.48	470.82	430.70	396.48	366.98	339.84	317.42	299.72
30	564.04	502.68	449.58	403.56	359.90	325.68	296.18	270.22	248.98	230.10
35	505.04	441.32	385.86	338.66	296.18	261.96	233.64	210.04	189.98	173.46
40	444.86	381.14	325.68	279.66	238.36	207.68	181.72	160.48	142.78	129.80
45	383.50	318.60	266.68	223.02	188.80	160.48	138.06	120.36	107.38	99.12
50	320.96	261.96	211.22	174.64	145.14	122.72	105.02	92.04	83.78	76.70
55	259.60	207.68	166.38	134.52	109.74	95.58	81.42	71.98	66.08	62.54
60	202.96	160.48	126.26	102.66	83.78	71.98	63.72	57.82	53.10	50.74
65	152.22	119.18	96.76	76.70	63.72	55.46	49.56	44.84	42.48	40.12
70	108.56	84.96	68.44	56.64	47.20	41.30	37.76	34.22	31.86	30.68
75	70.80	56.64	46.02	38.94	33.04	28.32	25.96	23.60	22.42	21.24
80	40.12	33.04	27.14	22.42	20.06	17.70	15.34	14.16	14.16	12.98
85	16.52	12.98	11.80	9.44	8.26	8.26	7.08	7.08	5.90	5.90
90	5.90	7.08	9.44	10.62	12.98	15.34	17.70	20.06	22.42	24.78
95	44.84	47.20	49.56	51.92	54.28	56.64	59.00	61.36	63.72	66.08
100	109.74	112.10	113.28	115.64	118.00	119.18	121.54	122.72	125.08	126.26
105	192.34	194.70	195.88	197.06	199.42	200.60	201.78	202.96	204.14	205.32
110	291.46	292.64	293.82	295.00	296.18	297.36	298.54	299.72	299.72	300.90
115	405.92	407.10	407.10	408.28	408.28	409.46	409.46	410.64	410.64	411.82
120	531.00	531.00	532.18	532.18	532.18	533.36	533.36	534.54	534.54	534.54
125	658.44	660.80	660.80	660.80	661.98	661.98	661.98	663.16	663.16	663.16
130	784.70	787.06	788.24	788.24	789.42	789.42	789.42	790.60	790.60	790.60
135	900.34	903.88	905.06	906.24	907.42	907.42	907.42	907.42	907.42	907.42

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U2A1.IES

CANDELA TABULATION - (Cont.)

140	1003.00	1006.54	1008.90	1010.08	1011.26	1011.26	1012.44	1012.44	1012.44	1012.44
145	1091.50	1095.04	1097.40	1098.58	1099.76	1100.94	1102.12	1103.30	1103.30	1103.30
150	1165.84	1169.38	1171.74	1172.92	1175.28	1176.46	1177.64	1178.82	1178.82	1180.00
155	1227.20	1229.56	1231.92	1234.28	1235.46	1237.82	1237.82	1240.18	1240.18	1241.36
160	1275.58	1276.76	1279.12	1281.48	1283.84	1285.02	1286.20	1287.38	1288.56	1289.74
165	1312.16	1313.34	1315.70	1316.88	1319.24	1320.42	1321.60	1322.78	1323.96	1323.96
170	1336.94	1338.12	1339.30	1340.48	1341.66	1342.84	1344.02	1345.20	1345.20	1346.38
175	1351.10	1351.10	1352.28	1352.28	1353.46	1353.46	1354.64	1354.64	1355.82	1355.82
180	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46

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	805.94	805.94	805.94	805.94	805.94	805.94	805.94
5	699.74	695.02	690.30	687.94	685.58	684.40	683.22
10	574.66	565.22	556.96	551.06	547.52	543.98	543.98
15	461.38	449.58	438.96	431.88	425.98	423.62	422.44
20	364.62	351.64	341.02	333.94	328.04	324.50	323.32
25	283.20	271.40	260.78	252.52	247.80	244.26	243.08
30	215.94	204.14	194.70	187.62	181.72	179.36	178.18
35	160.48	149.86	141.60	135.70	132.16	129.80	128.62
40	119.18	110.92	105.02	101.48	99.12	97.94	96.76
45	90.86	86.14	82.60	80.24	77.88	76.70	76.70
50	71.98	69.62	67.26	64.90	63.72	63.72	63.72
55	59.00	56.64	55.46	54.28	54.28	53.10	53.10
60	48.38	47.20	46.02	44.84	44.84	43.66	43.66
65	38.94	37.76	36.58	35.40	35.40	35.40	35.40
70	29.50	28.32	27.14	27.14	27.14	25.96	25.96
75	20.06	20.06	18.88	18.88	18.88	18.88	17.70
80	12.98	11.80	11.80	11.80	11.80	10.62	10.62
85	5.90	5.90	5.90	5.90	5.90	4.72	4.72
90	25.96	28.32	29.50	30.68	31.86	33.04	33.04
95	67.26	69.62	70.80	71.98	73.16	73.16	73.16
100	128.62	129.80	129.80	130.98	132.16	132.16	132.16
105	206.50	206.50	207.68	207.68	207.68	207.68	207.68
110	300.90	300.90	300.90	300.90	300.90	300.90	300.90
115	411.82	411.82	411.82	411.82	410.64	410.64	410.64
120	534.54	534.54	534.54	534.54	534.54	534.54	534.54
125	663.16	663.16	663.16	663.16	663.16	663.16	663.16
130	790.60	790.60	790.60	790.60	790.60	790.60	790.60
135	907.42	908.60	908.60	908.60	908.60	908.60	908.60
140	1012.44	1012.44	1013.62	1013.62	1013.62	1013.62	1013.62
145	1103.30	1104.48	1104.48	1104.48	1104.48	1104.48	1104.48
150	1180.00	1181.18	1181.18	1181.18	1181.18	1182.36	1181.18
155	1242.54	1242.54	1243.72	1243.72	1243.72	1243.72	1243.72
160	1290.92	1290.92	1290.92	1292.10	1292.10	1292.10	1292.10
165	1325.14	1325.14	1326.32	1326.32	1326.32	1326.32	1327.50
170	1346.38	1347.56	1347.56	1348.74	1348.74	1348.74	1348.74
175	1355.82	1355.82	1355.82	1355.82	1357.00	1357.00	1357.00
180	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46	1353.46

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U2A1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	296.26	N.A.	5.10
0-30	630.67	N.A.	10.90
0-40	1031.31	N.A.	17.80
0-60	1772.99	N.A.	30.70
0-80	2114.47	N.A.	36.60
0-90	2144.13	N.A.	37.10
10-90	2067.71	N.A.	35.80
20-40	735.04	N.A.	12.70
20-50	1138.31	N.A.	19.70
40-70	969.82	N.A.	16.80
60-80	341.47	N.A.	5.90
70-80	113.34	N.A.	2.00
80-90	29.66	N.A.	0.50
90-110	258.41	N.A.	4.50
90-120	647.75	N.A.	11.20
90-130	1220.67	N.A.	21.10
90-150	2576.5	N.A.	44.60
90-180	3635.62	N.A.	62.90
110-180	3377.2	N.A.	58.40
0-180	5779.74	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	76.42
10-20	219.84
20-30	334.41
30-40	400.64
40-50	403.27
50-60	338.42
60-70	228.14
70-80	113.34
80-90	29.66
90-100	58.15
100-110	200.27
110-120	389.33
120-130	572.92
130-140	680.95
140-150	674.88
150-160	561.74
160-170	369.06
170-180	128.32

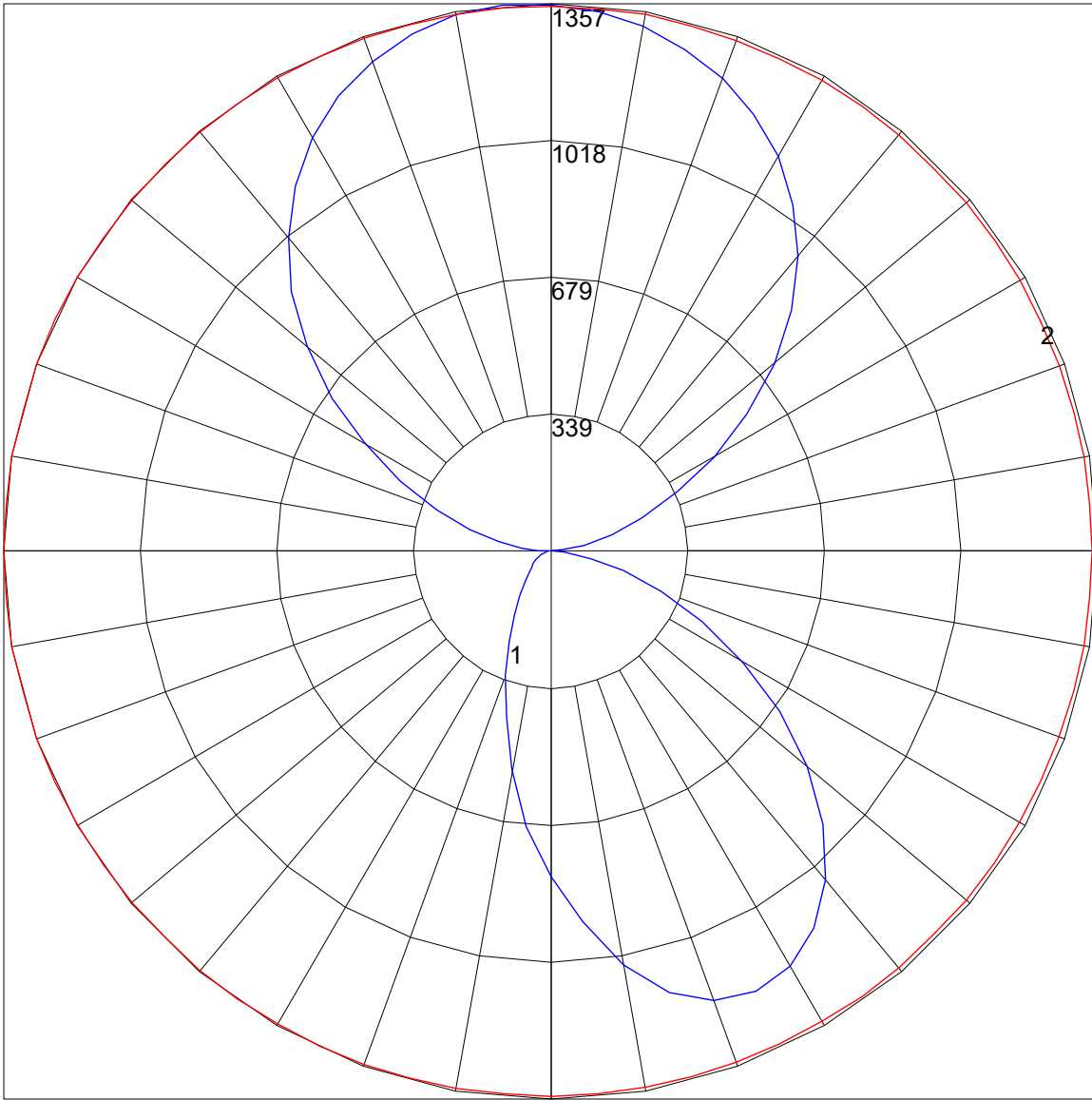
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U2A1.IES

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	87	84	86	83	79	77	67	65	63	53	51	50	39	38	38	32
2	87	79	74	69	78	72	67	63	59	55	52	46	44	42	35	33	32	27
3	79	70	63	57	71	64	57	53	52	47	44	41	38	35	31	29	27	23
4	72	62	54	48	65	56	50	45	46	41	37	36	33	30	28	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	33	29	26	25	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	27	47	37	30	25	30	25	22	24	21	18	19	16	14	12
9	48	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	33	26	22	41	31	24	20	26	21	17	21	17	14	16	13	12	10

POLAR GRAPH



Maximum Candela = 1357 Located At Horizontal Angle = 170, Vertical Angle = 175
1 - Vertical Plane Through Horizontal Angles (170 - 350) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (175) (Through Max. Cd.)