

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	127	131	133	133
Total Lumens, 4' rail length (1219mm)	6586	6794	6933	6933
Lumens per foot (305mm)	1647	1698	1733	1733
Lumens per foot UP (305mm)	970	1001	1021	1021
Lumens per foot DOWN (305mm)	676	698	712	712
Input Power (W), 4' rail length (1219mm)	52.2	52.2	52.2	52.2
Watts per foot (305mm)	13.1	13.1	13.1	13.1
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_Z3_SO_35_U2A1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L022010918 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 12/23/2019
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-48-Z-SO-35-U2A1-BL
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow
[MORE] up/85° asymmetric lens down, standard output, black anodized finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6933
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	52.24
Ballast Factor	1.00
CIE Type	General Diffuse
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)	0.17 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	19293	20034	19017
55	16017	17046	16564
65	12193	13095	13078
75	8366	9095	9370
85	3699	4143	5401

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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	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60
5	1387.36	1387.36	1387.36	1386.20	1385.04	1383.88	1382.72	1380.40	1379.24	1375.76
10	1408.24	1408.24	1408.24	1407.08	1404.76	1403.60	1401.28	1397.80	1395.48	1390.84
15	1402.44	1402.44	1401.28	1401.28	1400.12	1397.80	1395.48	1393.16	1389.68	1383.88
20	1376.92	1375.76	1375.76	1374.60	1373.44	1372.28	1369.96	1367.64	1364.16	1360.68
25	1332.84	1332.84	1332.84	1331.68	1330.52	1329.36	1327.04	1324.72	1321.24	1317.76
30	1270.20	1271.36	1270.20	1270.20	1269.04	1267.88	1265.56	1263.24	1260.92	1257.44
35	1189.00	1189.00	1189.00	1189.00	1189.00	1187.84	1187.84	1186.68	1184.36	1180.88
40	1084.60	1084.60	1084.60	1085.76	1086.92	1086.92	1088.08	1086.92	1086.92	1085.76
45	959.32	959.32	960.48	960.48	962.80	963.96	966.28	967.44	968.60	968.60
50	818.96	818.96	820.12	821.28	823.60	824.76	828.24	830.56	832.88	835.20
55	675.12	675.12	676.28	677.44	678.60	680.92	683.24	685.56	687.88	691.36
60	534.76	534.76	535.92	537.08	538.24	539.40	541.72	542.88	545.20	547.52
65	406.00	406.00	407.16	407.16	408.32	409.48	410.64	411.80	411.80	412.96
70	293.48	293.48	294.64	294.64	294.64	295.80	295.80	295.80	296.96	298.12
75	196.04	196.04	196.04	196.04	196.04	196.04	196.04	196.04	196.04	196.04
80	113.68	113.68	113.68	113.68	113.68	113.68	113.68	113.68	112.52	112.52
85	47.56	47.56	47.56	46.40	46.40	46.40	46.40	46.40	45.24	45.24
90	37.12	37.12	35.96	34.80	33.64	31.32	29.00	26.68	24.36	22.04
95	87.00	87.00	87.00	85.84	84.68	82.36	80.04	77.72	75.40	73.08
100	155.44	155.44	155.44	154.28	153.12	151.96	150.80	148.48	146.16	143.84
105	242.44	242.44	241.28	241.28	240.12	240.12	238.96	237.80	235.48	234.32
110	345.68	345.68	345.68	345.68	345.68	345.68	344.52	343.36	342.20	341.04
115	466.32	466.32	466.32	466.32	466.32	466.32	466.32	465.16	465.16	464.00
120	599.72	599.72	599.72	599.72	599.72	599.72	599.72	599.72	599.72	599.72
125	740.08	740.08	740.08	741.24	741.24	741.24	741.24	741.24	741.24	742.40
130	879.28	880.44	880.44	880.44	880.44	880.44	881.60	881.60	881.60	882.76
135	1011.52	1011.52	1011.52	1012.68	1012.68	1012.68	1013.84	1013.84	1013.84	1015.00
140	1131.00	1131.00	1131.00	1131.00	1131.00	1131.00	1132.16	1132.16	1132.16	1133.32
145	1234.24	1233.08	1234.24	1234.24	1234.24	1234.24	1234.24	1234.24	1234.24	1234.24
150	1320.08	1320.08	1320.08	1320.08	1320.08	1320.08	1320.08	1321.24	1320.08	1320.08
155	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84	1389.68	1389.68	1389.68
160	1445.36	1445.36	1445.36	1445.36	1445.36	1445.36	1445.36	1444.20	1444.20	1443.04
165	1485.96	1485.96	1485.96	1485.96	1485.96	1485.96	1484.80	1484.80	1484.80	1483.64
170	1512.64	1512.64	1512.64	1512.64	1512.64	1512.64	1511.48	1511.48	1511.48	1511.48
175	1525.40	1525.40	1525.40	1525.40	1525.40	1525.40	1525.40	1525.40	1525.40	1525.40
180	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56

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	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60
5	1373.44	1369.96	1367.64	1363.00	1359.52	1356.04	1351.40	1346.76	1343.28	1338.64
10	1386.20	1382.72	1376.92	1369.96	1363.00	1354.88	1345.60	1337.48	1327.04	1316.60
15	1379.24	1373.44	1366.48	1358.36	1349.08	1338.64	1325.88	1313.12	1298.04	1279.48
20	1354.88	1349.08	1342.12	1332.84	1322.40	1309.64	1294.56	1277.16	1257.44	1233.08
25	1313.12	1307.32	1301.52	1291.08	1279.48	1266.72	1249.32	1228.44	1202.92	1173.92
30	1253.96	1248.16	1241.20	1233.08	1222.64	1206.40	1189.00	1165.80	1135.64	1099.68
35	1177.40	1173.92	1166.96	1160.00	1149.56	1133.32	1114.76	1089.24	1055.60	1013.84
40	1083.44	1079.96	1075.32	1067.20	1057.92	1044.00	1024.28	997.60	960.48	915.24
45	968.60	967.44	963.96	958.16	950.04	936.12	917.56	889.72	850.28	801.56
50	836.36	836.36	834.04	830.56	823.60	812.00	793.44	767.92	729.64	679.76
55	692.52	694.84	693.68	691.36	686.72	676.28	660.04	636.84	602.04	552.16
60	548.68	549.84	549.84	548.68	544.04	537.08	523.16	502.28	472.12	429.20

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CANDELA TABULATION - (Cont.)

65	414.12	414.12	412.96	411.80	408.32	402.52	390.92	377.00	351.48	316.68
70	296.96	295.80	294.64	292.32	288.84	284.20	276.08	263.32	244.76	219.24
75	194.88	194.88	192.56	190.24	186.76	183.28	176.32	168.20	155.44	140.36
80	111.36	110.20	109.04	106.72	104.40	100.92	97.44	91.64	84.68	75.40
85	45.24	45.24	44.08	42.92	41.76	39.44	37.12	34.80	31.32	27.84
90	19.72	17.40	13.92	11.60	9.28	6.96	5.80	3.48	2.32	2.32
95	69.60	66.12	62.64	60.32	56.84	53.36	51.04	48.72	46.40	45.24
100	141.52	138.04	135.72	132.24	128.76	126.44	122.96	120.64	117.16	116.00
105	232.00	229.68	227.36	225.04	221.56	219.24	215.76	213.44	211.12	207.64
110	339.88	338.72	336.40	334.08	331.76	329.44	327.12	323.64	321.32	317.84
115	462.84	461.68	460.52	459.36	457.04	455.88	452.40	450.08	447.76	443.12
120	598.56	598.56	597.40	597.40	595.08	593.92	591.60	589.28	585.80	582.32
125	742.40	742.40	741.24	741.24	740.08	738.92	736.60	734.28	731.96	727.32
130	882.76	882.76	882.76	882.76	881.60	880.44	879.28	876.96	873.48	870.00
135	1015.00	1015.00	1015.00	1015.00	1013.84	1012.68	1011.52	1009.20	1005.72	1003.40
140	1133.32	1133.32	1133.32	1132.16	1132.16	1131.00	1128.68	1126.36	1124.04	1121.72
145	1235.40	1235.40	1234.24	1233.08	1231.92	1230.76	1229.60	1227.28	1224.96	1222.64
150	1320.08	1320.08	1318.92	1317.76	1316.60	1315.44	1314.28	1311.96	1310.80	1308.48
155	1389.68	1388.52	1387.36	1386.20	1385.04	1383.88	1382.72	1381.56	1380.40	1378.08
160	1443.04	1443.04	1441.88	1440.72	1440.72	1438.40	1438.40	1436.08	1434.92	1433.76
165	1483.64	1482.48	1482.48	1481.32	1480.16	1480.16	1479.00	1477.84	1477.84	1476.68
170	1510.32	1510.32	1510.32	1509.16	1509.16	1508.00	1508.00	1508.00	1506.84	1505.68
175	1524.24	1524.24	1524.24	1524.24	1524.24	1523.08	1523.08	1523.08	1523.08	1523.08
180	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56

Vert. Horizontal Angles
Angles

	100	105	110	115	120	125	130	135	140	145
0	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60
5	1332.84	1328.20	1323.56	1318.92	1313.12	1308.48	1303.84	1300.36	1295.72	1292.24
10	1305.00	1293.40	1280.64	1269.04	1256.28	1243.52	1231.92	1219.16	1208.72	1198.28
15	1262.08	1242.36	1221.48	1199.44	1177.40	1154.20	1132.16	1110.12	1089.24	1069.52
20	1207.56	1178.56	1148.40	1115.92	1081.12	1046.32	1011.52	976.72	944.24	912.92
25	1140.28	1102.00	1059.08	1015.00	967.44	918.72	870.00	823.60	781.84	741.24
30	1057.92	1010.36	957.00	899.00	836.36	778.36	720.36	664.68	614.80	570.72
35	963.96	905.96	841.00	773.72	700.64	633.36	569.56	511.56	461.68	417.60
40	859.56	792.28	718.04	643.80	566.08	496.48	433.84	377.00	331.76	294.64
45	741.24	670.48	592.76	516.20	439.64	374.68	319.00	269.12	232.00	200.68
50	619.44	545.20	470.96	389.76	331.76	274.92	228.52	189.08	158.92	135.72
55	494.16	426.88	361.92	299.28	241.28	196.04	160.08	129.92	107.88	91.64
60	380.48	322.48	267.96	216.92	172.84	138.04	110.20	89.32	74.24	61.48
65	277.24	232.00	189.08	151.96	120.64	98.60	76.56	61.48	51.04	42.92
70	190.24	160.08	129.92	103.24	81.20	64.96	51.04	41.76	34.80	29.00
75	120.64	100.92	81.20	64.96	51.04	40.60	32.48	26.68	22.04	18.56
80	64.96	54.52	44.08	34.80	27.84	22.04	18.56	15.08	12.76	10.44
85	23.20	19.72	16.24	12.76	10.44	8.12	6.96	5.80	4.64	4.64
90	2.32	2.32	2.32	2.32	2.32	2.32	3.48	3.48	4.64	4.64
95	44.08	42.92	42.92	42.92	42.92	42.92	42.92	42.92	42.92	44.08
100	114.84	112.52	111.36	110.20	109.04	107.88	106.72	106.72	105.56	105.56
105	206.48	203.00	201.84	198.36	196.04	193.72	192.56	190.24	187.92	186.76
110	315.52	312.04	308.56	305.08	301.60	298.12	293.48	291.16	287.68	284.20
115	439.64	436.16	431.52	426.88	422.24	417.60	412.96	408.32	403.68	400.20
120	578.84	574.20	568.40	563.76	557.96	552.16	546.36	540.56	534.76	530.12
125	723.84	719.20	713.40	707.60	700.64	694.84	687.88	682.08	676.28	670.48
130	866.52	861.88	856.08	850.28	844.48	838.68	831.72	825.92	820.12	814.32
135	998.76	995.28	990.64	986.00	980.20	974.40	968.60	963.96	958.16	952.36

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CANDELA TABULATION - (Cont.)

140	1118.24	1114.76	1111.28	1106.64	1102.00	1097.36	1092.72	1088.08	1083.44	1079.96
145	1220.32	1218.00	1214.52	1211.04	1207.56	1204.08	1200.60	1197.12	1193.64	1190.16
150	1306.16	1303.84	1301.52	1299.20	1296.88	1294.56	1291.08	1288.76	1286.44	1284.12
155	1376.92	1374.60	1373.44	1371.12	1369.96	1367.64	1365.32	1364.16	1361.84	1360.68
160	1432.60	1431.44	1430.28	1429.12	1427.96	1426.80	1424.48	1423.32	1422.16	1421.00
165	1475.52	1474.36	1473.20	1472.04	1470.88	1470.88	1469.72	1468.56	1468.56	1467.40
170	1505.68	1504.52	1504.52	1503.36	1503.36	1502.20	1502.20	1501.04	1501.04	1501.04
175	1523.08	1521.92	1521.92	1521.92	1521.92	1520.76	1520.76	1520.76	1520.76	1520.76
180	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56

Vert. Horizontal Angles

	150	155	160	165	170	175	180
0	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60
5	1289.92	1286.44	1284.12	1281.80	1280.64	1279.48	1279.48
10	1189.00	1180.88	1172.76	1168.12	1163.48	1161.16	1160.00
15	1050.96	1034.72	1021.96	1011.52	1003.40	997.60	996.44
20	885.08	861.88	841.00	824.76	813.16	806.20	803.88
25	705.28	676.28	651.92	631.04	617.12	609.00	606.68
30	532.44	499.96	475.60	455.88	441.96	432.68	430.36
35	381.64	352.64	330.60	312.04	300.44	292.32	290.00
40	263.32	240.12	220.40	206.48	197.20	191.40	189.08
45	177.48	158.92	143.84	133.40	126.44	122.96	120.64
50	118.32	104.40	93.96	87.00	82.36	78.88	77.72
55	77.72	68.44	61.48	56.84	53.36	52.20	51.04
60	53.36	46.40	41.76	38.28	37.12	34.80	34.80
65	35.96	32.48	29.00	26.68	25.52	24.36	24.36
70	24.36	22.04	19.72	18.56	17.40	17.40	16.24
75	16.24	13.92	12.76	12.76	11.60	11.60	11.60
80	9.28	8.12	8.12	6.96	6.96	6.96	6.96
85	3.48	3.48	3.48	3.48	3.48	3.48	3.48
90	4.64	5.80	5.80	5.80	6.96	6.96	6.96
95	44.08	44.08	44.08	44.08	44.08	44.08	45.24
100	104.40	104.40	103.24	103.24	103.24	103.24	103.24
105	184.44	183.28	182.12	180.96	180.96	180.96	179.80
110	281.88	279.56	278.40	276.08	274.92	274.92	274.92
115	396.72	393.24	390.92	388.60	387.44	386.28	386.28
120	525.48	522.00	518.52	516.20	513.88	512.72	511.56
125	665.84	661.20	657.72	654.24	651.92	650.76	650.76
130	808.52	805.04	800.40	798.08	795.76	794.60	793.44
135	948.88	944.24	940.76	937.28	936.12	934.96	933.80
140	1075.32	1071.84	1069.52	1067.20	1064.88	1063.72	1063.72
145	1186.68	1185.52	1183.20	1180.88	1179.72	1178.56	1178.56
150	1281.80	1279.48	1277.16	1276.00	1274.84	1274.84	1274.84
155	1358.36	1357.20	1356.04	1354.88	1354.88	1353.72	1353.72
160	1419.84	1419.84	1418.68	1417.52	1417.52	1416.36	1416.36
165	1467.40	1466.24	1466.24	1466.24	1465.08	1465.08	1463.92
170	1499.88	1499.88	1499.88	1499.88	1498.72	1498.72	1498.72
175	1520.76	1519.60	1519.60	1519.60	1519.60	1519.60	1519.60
180	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	477.48	N.A.	6.90
0-30	973.69	N.A.	14.00
0-40	1519.34	N.A.	21.90
0-60	2424.1	N.A.	35.00
0-80	2811.02	N.A.	40.50
0-90	2847.43	N.A.	41.10
10-90	2720.78	N.A.	39.20
20-40	1041.86	N.A.	15.00
20-50	1548.62	N.A.	22.30
40-70	1162.9	N.A.	16.80
60-80	386.92	N.A.	5.60
70-80	128.79	N.A.	1.90
80-90	36.41	N.A.	0.50
90-110	296.21	N.A.	4.30
90-120	731.50	N.A.	10.60
90-130	1368.97	N.A.	19.70
90-150	2889.7	N.A.	41.70
90-180	4085.2	N.A.	58.90
110-180	3788.99	N.A.	54.70
0-180	6932.63	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	126.66
10-20	350.82
20-30	496.21
30-40	545.65
40-50	506.76
50-60	398.00
60-70	258.13
70-80	128.79
80-90	36.41
90-100	68.43
100-110	227.77
110-120	435.30
120-130	637.46
130-140	761.48
140-150	759.26
150-160	633.93
160-170	416.75
170-180	144.81

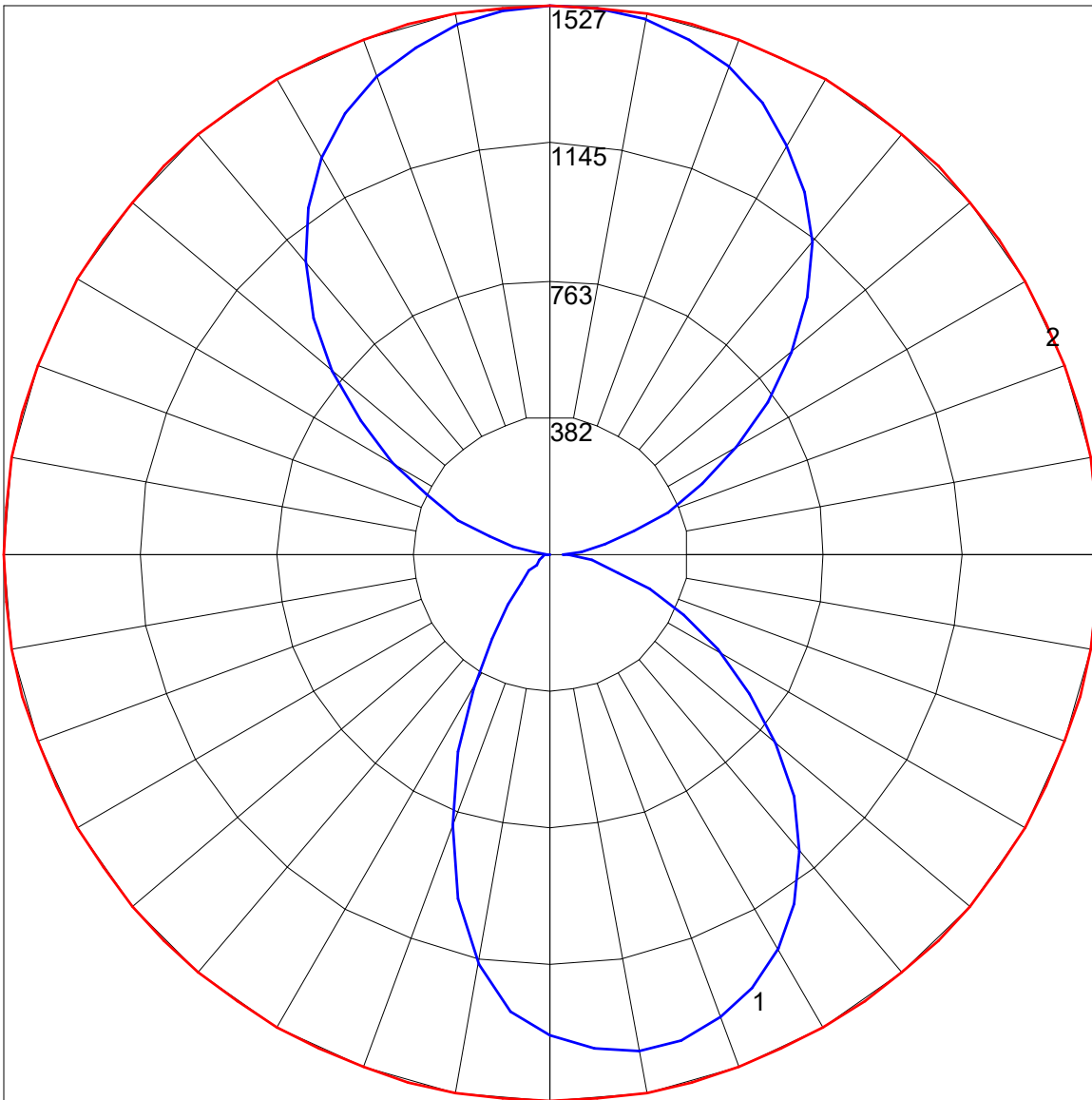
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U2A1_BL.IES

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	48	48	48	41	0
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35	0
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30	0
3	80	71	64	59	73	65	59	54	54	50	46	44	41	38	34	32	30	26	0
4	74	63	56	50	67	58	52	46	48	43	40	39	36	33	31	28	27	23	0
5	68	57	49	43	62	52	45	40	43	38	34	35	32	29	28	25	23	20	0
6	62	51	43	37	57	47	40	35	39	34	30	32	28	25	25	23	21	18	0
7	58	46	38	33	53	42	36	31	36	30	27	29	25	23	23	21	19	16	0
8	54	42	34	29	49	39	32	27	33	27	24	27	23	20	21	19	17	14	0
9	50	38	31	26	46	35	29	24	30	25	21	25	21	18	20	17	15	13	0
10	47	35	28	23	43	32	26	22	28	23	19	23	19	17	18	16	14	12	0

POLAR GRAPH



Maximum Candela = 1526.56 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)