

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 40° Symmetric, down | 80 CRI | SO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	105	108	110	112
Total Lumens, 4' rail length (1219mm)	5336	5505	5617	5730
Lumens per foot (305mm)	1334	1376	1404	1432
Lumens per foot UP (305mm)	882	910	928	947
Lumens per foot DOWN (305mm)	452	466	476	485
Input Power (W), 4' rail length (1219mm)	51.3	51.3	51.3	51.3
Watts per foot (305mm)	12.9	12.9	12.9	12.9
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](http://vode.com).



**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_SO\_35\_U2S1\_AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L031805802R01 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 4/12/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-CC-Z-SO-35-U2S1-AL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/40° symmetric lens down, standard 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	5617
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	51.26
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)	0.25 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	2594	4532	9482
55	1785	2879	6424
65	1418	2050	4256
75	1119	1464	2900
85	526	682	1496

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>0.0</b>	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96
<b>1.0</b>	1367.64	1367.64	1367.64	1367.64	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80
<b>3.0</b>	1358.36	1358.36	1358.36	1359.52	1359.52	1360.68	1360.68	1361.84	1361.84	1363.00
<b>5.0</b>	1338.64	1338.64	1339.80	1340.96	1342.12	1343.28	1344.44	1346.76	1349.08	1351.40
<b>7.0</b>	1308.48	1309.64	1310.80	1311.96	1314.28	1317.76	1321.24	1324.72	1329.36	1332.84
<b>9.0</b>	1269.04	1270.20	1271.36	1274.84	1278.32	1282.96	1288.76	1295.72	1302.68	1309.64
<b>11.0</b>	1220.32	1221.48	1223.80	1228.44	1234.24	1241.20	1249.32	1258.60	1269.04	1278.32
<b>13.0</b>	1161.16	1162.32	1165.80	1172.76	1180.88	1190.16	1201.76	1214.52	1228.44	1242.36
<b>15.0</b>	1095.04	1096.20	1100.84	1108.96	1119.40	1132.16	1147.24	1164.64	1182.04	1200.60
<b>17.0</b>	1020.80	1023.12	1028.92	1038.20	1050.96	1067.20	1085.76	1106.64	1128.68	1151.88
<b>19.5</b>	921.04	923.36	930.32	941.92	958.16	977.88	1001.08	1027.76	1055.60	1084.60
<b>22.5</b>	796.92	799.24	807.36	821.28	839.84	863.04	890.88	922.20	957.00	992.96
<b>25.5</b>	672.80	676.28	684.40	699.48	720.36	745.88	776.04	813.16	852.60	894.36
<b>29.0</b>	539.40	541.72	551.00	566.08	586.96	613.64	646.12	684.40	727.32	773.72
<b>33.0</b>	409.48	412.96	421.08	433.84	453.56	477.92	509.24	546.36	589.28	636.84
<b>37.5</b>	298.12	300.44	306.24	317.84	334.08	354.96	380.48	412.96	452.40	495.32
<b>42.5</b>	211.12	213.44	218.08	226.20	237.80	252.88	272.60	298.12	329.44	364.24
<b>47.5</b>	155.44	156.60	160.08	165.88	174.00	184.44	198.36	215.76	237.80	264.48
<b>55.0</b>	105.56	106.72	107.88	111.36	114.84	121.80	128.76	138.04	150.80	165.88
<b>65.0</b>	64.96	66.12	66.12	67.28	69.60	71.92	75.40	78.88	84.68	90.48
<b>75.0</b>	34.80	34.80	34.80	34.80	35.96	37.12	38.28	39.44	40.60	42.92
<b>85.0</b>	8.12	8.12	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
<b>90.0</b>	17.40	17.40	17.40	16.24	15.08	15.08	13.92	12.76	11.60	10.44
<b>95.0</b>	48.72	48.72	48.72	47.56	47.56	46.40	46.40	45.24	44.08	42.92
<b>100.0</b>	99.76	99.76	99.76	99.76	99.76	99.76	99.76	99.76	99.76	99.76
<b>105.0</b>	164.72	164.72	165.88	165.88	167.04	168.20	169.36	170.52	171.68	172.84
<b>110.0</b>	247.08	247.08	248.24	249.40	251.72	252.88	255.20	258.68	261.00	264.48
<b>115.0</b>	348.00	348.00	349.16	351.48	353.80	356.12	359.60	364.24	367.72	372.36
<b>120.0</b>	465.16	466.32	467.48	469.80	472.12	475.60	480.24	484.88	490.68	495.32
<b>125.0</b>	597.40	597.40	599.72	600.88	604.36	609.00	613.64	619.44	625.24	631.04
<b>130.0</b>	737.76	737.76	738.92	741.24	744.72	749.36	754.00	759.80	765.60	771.40
<b>135.0</b>	876.96	876.96	879.28	881.60	883.92	888.56	892.04	896.68	902.48	907.12
<b>140.0</b>	1008.04	1009.20	1010.36	1011.52	1013.84	1017.32	1019.64	1023.12	1026.60	1030.08
<b>145.0</b>	1124.04	1124.04	1124.04	1125.20	1127.52	1128.68	1131.00	1133.32	1135.64	1136.80
<b>150.0</b>	1219.16	1219.16	1219.16	1220.32	1220.32	1221.48	1222.64	1223.80	1223.80	1224.96
<b>155.0</b>	1294.56	1294.56	1294.56	1294.56	1294.56	1295.72	1295.72	1296.88	1296.88	1298.04
<b>160.0</b>	1353.72	1353.72	1353.72	1353.72	1353.72	1354.88	1354.88	1354.88	1356.04	1356.04
<b>165.0</b>	1397.80	1397.80	1397.80	1398.96	1398.96	1398.96	1398.96	1398.96	1398.96	1398.96
<b>170.0</b>	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1431.44
<b>175.0</b>	1450.00	1450.00	1450.00	1450.00	1450.00	1450.00	1450.00	1450.00	1450.00	1450.00
<b>180.0</b>	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96

Vert. Horizontal Angles  
 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>
<b>0.0</b>	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96
<b>1.0</b>	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80
<b>3.0</b>	1364.16	1364.16	1365.32	1365.32	1366.48	1366.48	1366.48	1367.64	1367.64
<b>5.0</b>	1353.72	1354.88	1357.20	1358.36	1360.68	1361.84	1363.00	1363.00	1363.00
<b>7.0</b>	1337.48	1340.96	1345.60	1349.08	1351.40	1353.72	1356.04	1357.20	1357.20
<b>9.0</b>	1316.60	1322.40	1329.36	1335.16	1339.80	1343.28	1346.76	1347.92	1349.08
<b>11.0</b>	1288.76	1299.20	1308.48	1317.76	1324.72	1330.52	1335.16	1337.48	1337.48
<b>13.0</b>	1257.44	1270.20	1284.12	1295.72	1305.00	1313.12	1320.08	1323.56	1324.72
<b>15.0</b>	1219.16	1237.72	1253.96	1270.20	1282.96	1293.40	1301.52	1306.16	1308.48

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	1176.24	1198.28	1220.32	1240.04	1256.28	1270.20	1280.64	1286.44	1288.76
<b>19.5</b>	1114.76	1143.76	1170.44	1197.12	1218.00	1235.40	1248.16	1256.28	1259.76
<b>22.5</b>	1031.24	1068.36	1103.16	1135.64	1163.48	1185.52	1202.92	1213.36	1216.84
<b>25.5</b>	939.60	983.68	1025.44	1064.88	1098.52	1127.52	1148.40	1160.00	1164.64
<b>29.0</b>	823.60	874.64	924.52	972.08	1012.68	1046.32	1071.84	1086.92	1091.56
<b>33.0</b>	689.04	745.88	800.40	853.76	900.16	939.60	968.60	987.16	992.96
<b>37.5</b>	546.36	599.72	655.40	711.08	759.80	803.88	836.36	856.08	863.04
<b>42.5</b>	407.16	453.56	502.28	554.48	602.04	644.96	676.28	697.16	702.96
<b>47.5</b>	296.96	332.92	372.36	414.12	454.72	491.84	519.68	537.08	544.04
<b>55.0</b>	184.44	206.48	229.68	256.36	281.88	306.24	325.96	337.56	343.36
<b>65.0</b>	98.60	107.88	118.32	129.92	140.36	151.96	161.24	167.04	168.20
<b>75.0</b>	46.40	48.72	53.36	56.84	60.32	64.96	67.28	69.60	70.76
<b>85.0</b>	10.44	10.44	10.44	11.60	11.60	11.60	11.60	12.76	12.76
<b>90.0</b>	8.12	6.96	5.80	4.64	3.48	3.48	2.32	1.16	1.16
<b>95.0</b>	41.76	40.60	39.44	38.28	37.12	35.96	35.96	34.80	34.80
<b>100.0</b>	99.76	99.76	99.76	99.76	98.60	98.60	98.60	97.44	97.44
<b>105.0</b>	175.16	176.32	177.48	178.64	178.64	179.80	179.80	179.80	179.80
<b>110.0</b>	266.80	270.28	272.60	274.92	277.24	278.40	278.40	278.40	279.56
<b>115.0</b>	377.00	380.48	385.12	388.60	390.92	393.24	394.40	394.40	394.40
<b>120.0</b>	501.12	506.92	511.56	516.20	519.68	522.00	523.16	525.48	525.48
<b>125.0</b>	636.84	642.64	648.44	653.08	656.56	658.88	661.20	663.52	663.52
<b>130.0</b>	777.20	783.00	787.64	791.12	794.60	796.92	799.24	800.40	801.56
<b>135.0</b>	911.76	916.40	919.88	922.20	925.68	928.00	929.16	931.48	931.48
<b>140.0</b>	1033.56	1035.88	1038.20	1041.68	1042.84	1045.16	1046.32	1047.48	1047.48
<b>145.0</b>	1139.12	1140.28	1142.60	1143.76	1144.92	1146.08	1147.24	1148.40	1149.56
<b>150.0</b>	1226.12	1228.44	1229.60	1230.76	1230.76	1231.92	1233.08	1234.24	1234.24
<b>155.0</b>	1299.20	1300.36	1300.36	1301.52	1301.52	1302.68	1303.84	1303.84	1303.84
<b>160.0</b>	1356.04	1357.20	1357.20	1358.36	1358.36	1359.52	1359.52	1359.52	1359.52
<b>165.0</b>	1400.12	1400.12	1400.12	1401.28	1401.28	1402.44	1402.44	1402.44	1402.44
<b>170.0</b>	1431.44	1431.44	1431.44	1431.44	1432.60	1432.60	1432.60	1432.60	1432.60
<b>175.0</b>	1450.00	1450.00	1450.00	1450.00	1450.00	1451.16	1451.16	1451.16	1451.16
<b>180.0</b>	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96	1456.96

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	442.60	N.A.	7.90
0-30	842.85	N.A.	15.00
0-40	1180.6	N.A.	21.00
0-60	1648.04	N.A.	29.30
0-80	1867.1	N.A.	33.20
0-90	1903.78	N.A.	33.90
10-90	1800.16	N.A.	32.00
20-40	738.00	N.A.	13.10
20-50	1044.73	N.A.	18.60
40-70	608.70	N.A.	10.80
60-80	219.06	N.A.	3.90
70-80	77.80	N.A.	1.40
80-90	36.68	N.A.	0.70
90-110	239.86	N.A.	4.30
90-120	611.87	N.A.	10.90
90-130	1176.83	N.A.	20.90
90-150	2582.7	N.A.	46.00
90-180	3713.56	N.A.	66.10
110-180	3473.7	N.A.	61.80
0-180	5617.34	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	103.62
10-20	338.99
20-30	400.25
30-40	337.75
40-50	306.73
50-60	160.71
60-70	141.26
70-80	77.80
80-90	36.68
90-100	52.80
100-110	187.06
110-120	372.01
120-130	564.96
130-140	696.73
140-150	709.15
150-160	597.93
160-170	395.09
170-180	137.83

**IES INDOOR REPORT**

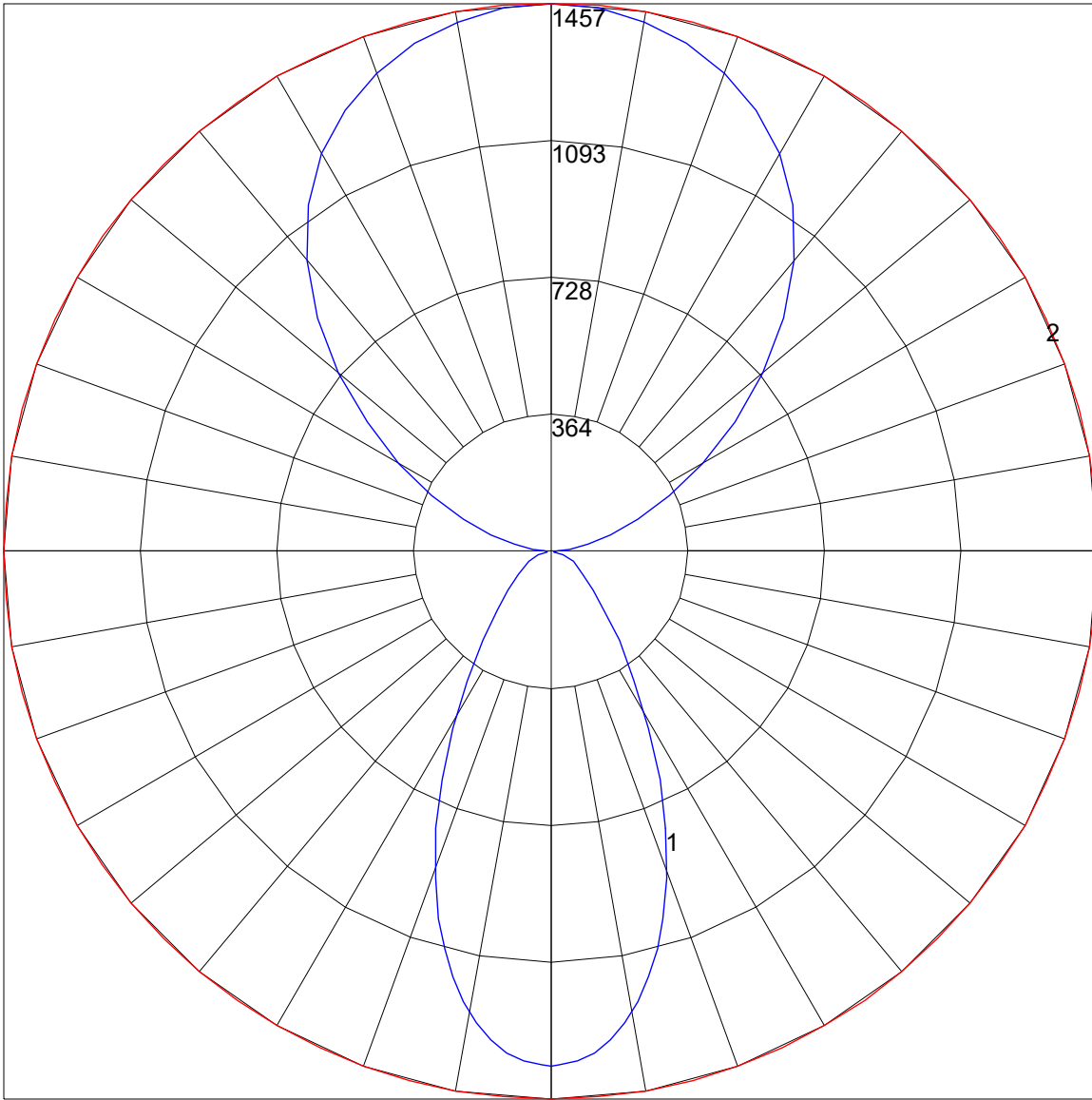
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	36	36	30
2	87	80	74	69	78	72	68	64	58	55	52	46	43	41	34	32	31	26
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24	20
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 1456.96 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)