

**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	107	110	112	112
Total Lumens, 4' rail length (1219mm)	5545	5720	5837	5837
Lumens per foot (305mm)	1386	1430	1459	1459
Lumens per foot UP (305mm)	948	978	998	998
Lumens per foot DOWN (305mm)	438	452	461	461
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](http://vode.com).



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

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L121911552 (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-CC-SO-35-U2S1-AL  
 [LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/40°  
 [MORE] 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	5837
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	52.24
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)	0.26 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	2557	4254	7353
55	1799	2795	5008
65	1469	2080	3697
75	1158	1532	2697
85	662	832	1570

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

**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>	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16
<b>1.0</b>	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16
<b>3.0</b>	1387.36	1387.36	1387.36	1387.36	1387.36	1388.52	1388.52	1388.52	1389.68	1389.68
<b>5.0</b>	1367.64	1367.64	1368.80	1368.80	1369.96	1371.12	1373.44	1374.60	1375.76	1378.08
<b>7.0</b>	1338.64	1338.64	1339.80	1340.96	1343.28	1345.60	1349.08	1351.40	1354.88	1358.36
<b>9.0</b>	1298.04	1298.04	1299.20	1302.68	1306.16	1310.80	1315.44	1321.24	1327.04	1332.84
<b>11.0</b>	1247.00	1248.16	1250.48	1253.96	1259.76	1266.72	1273.68	1282.96	1291.08	1300.36
<b>13.0</b>	1186.68	1187.84	1191.32	1197.12	1204.08	1213.36	1223.80	1236.56	1249.32	1262.08
<b>15.0</b>	1117.08	1118.24	1122.88	1129.84	1140.28	1151.88	1165.80	1182.04	1198.28	1215.68
<b>17.0</b>	1040.52	1041.68	1047.48	1056.76	1068.36	1084.60	1102.00	1120.56	1141.44	1162.32
<b>19.5</b>	937.28	939.60	946.56	957.00	972.08	991.80	1012.68	1037.04	1063.72	1090.40
<b>22.5</b>	807.36	809.68	817.80	831.72	849.12	872.32	899.00	928.00	960.48	992.96
<b>25.5</b>	678.60	682.08	691.36	705.28	725.00	750.52	779.52	814.32	850.28	888.56
<b>29.0</b>	541.72	545.20	554.48	568.40	589.28	614.80	644.96	679.76	720.36	762.12
<b>33.0</b>	410.64	412.96	421.08	435.00	453.56	477.92	506.92	540.56	580.00	620.60
<b>37.5</b>	299.28	301.60	308.56	319.00	334.08	353.80	378.16	408.32	441.96	480.24
<b>42.5</b>	214.60	216.92	221.56	229.68	240.12	255.20	273.76	295.80	323.64	353.80
<b>47.5</b>	160.08	161.24	164.72	170.52	178.64	189.08	201.84	218.08	236.64	258.68
<b>55.0</b>	110.20	111.36	112.52	116.00	120.64	126.44	133.40	142.68	154.28	167.04
<b>65.0</b>	69.60	69.60	70.76	71.92	74.24	76.56	80.04	84.68	89.32	95.12
<b>75.0</b>	37.12	38.28	38.28	38.28	39.44	40.60	41.76	42.92	45.24	46.40
<b>85.0</b>	10.44	10.44	10.44	10.44	10.44	10.44	10.44	10.44	11.60	11.60
<b>90.0</b>	23.20	23.20	23.20	22.04	20.88	19.72	18.56	17.40	15.08	13.92
<b>95.0</b>	52.20	52.20	52.20	51.04	51.04	49.88	48.72	47.56	47.56	46.40
<b>100.0</b>	98.60	99.76	99.76	99.76	100.92	102.08	103.24	104.40	105.56	107.88
<b>105.0</b>	171.68	171.68	172.84	174.00	176.32	178.64	180.96	183.28	186.76	189.08
<b>110.0</b>	264.48	265.64	266.80	267.96	270.28	273.76	277.24	281.88	285.36	290.00
<b>115.0</b>	379.32	379.32	380.48	383.96	386.28	390.92	395.56	401.36	407.16	414.12
<b>120.0</b>	516.20	516.20	518.52	520.84	525.48	531.28	537.08	542.88	549.84	556.80
<b>125.0</b>	670.48	670.48	672.80	675.12	679.76	684.40	689.04	694.84	700.64	705.28
<b>130.0</b>	825.92	825.92	828.24	829.40	832.88	836.36	839.84	843.32	846.80	851.44
<b>135.0</b>	969.76	969.76	969.76	972.08	973.24	975.56	977.88	980.20	982.52	986.00
<b>140.0</b>	1093.88	1093.88	1095.04	1095.04	1096.20	1097.36	1099.68	1100.84	1102.00	1103.16
<b>145.0</b>	1199.44	1199.44	1199.44	1200.60	1200.60	1201.76	1201.76	1202.92	1204.08	1204.08
<b>150.0</b>	1286.44	1286.44	1286.44	1286.44	1286.44	1287.60	1287.60	1288.76	1288.76	1288.76
<b>155.0</b>	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1358.36
<b>160.0</b>	1411.72	1411.72	1411.72	1411.72	1411.72	1411.72	1412.88	1412.88	1412.88	1412.88
<b>165.0</b>	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64
<b>170.0</b>	1483.64	1483.64	1483.64	1483.64	1484.80	1483.64	1484.80	1484.80	1484.80	1484.80
<b>175.0</b>	1501.04	1501.04	1501.04	1502.20	1501.04	1501.04	1501.04	1501.04	1502.20	1502.20
<b>180.0</b>	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68

**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>	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16
<b>1.0</b>	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16	1393.16
<b>3.0</b>	1390.84	1390.84	1390.84	1390.84	1392.00	1392.00	1392.00	1393.16	1392.00
<b>5.0</b>	1379.24	1380.40	1382.72	1383.88	1385.04	1386.20	1386.20	1387.36	1387.36
<b>7.0</b>	1363.00	1366.48	1369.96	1372.28	1374.60	1376.92	1378.08	1379.24	1379.24
<b>9.0</b>	1339.80	1345.60	1351.40	1356.04	1360.68	1364.16	1366.48	1367.64	1368.80
<b>11.0</b>	1310.80	1318.92	1328.20	1335.16	1342.12	1347.92	1351.40	1353.72	1354.88
<b>13.0</b>	1274.84	1287.60	1299.20	1310.80	1318.92	1327.04	1331.68	1335.16	1336.32
<b>15.0</b>	1231.92	1249.32	1264.40	1278.32	1289.92	1300.36	1307.32	1311.96	1313.12

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

**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	1184.36	1205.24	1224.96	1242.36	1257.44	1270.20	1278.32	1284.12	1285.28
<b>19.5</b>	1117.08	1143.76	1168.12	1190.16	1209.88	1224.96	1236.56	1242.36	1244.68
<b>22.5</b>	1026.60	1059.08	1089.24	1118.24	1141.44	1160.00	1173.92	1183.20	1185.52
<b>25.5</b>	928.00	965.12	1001.08	1034.72	1062.56	1084.60	1100.84	1111.28	1113.60
<b>29.0</b>	805.04	847.96	887.40	925.68	957.00	983.68	1001.08	1012.68	1016.16
<b>33.0</b>	665.84	709.92	752.84	793.44	827.08	854.92	874.64	886.24	889.72
<b>37.5</b>	520.84	562.60	604.36	642.64	675.12	702.96	722.68	734.28	737.76
<b>42.5</b>	386.28	421.08	455.88	489.52	517.36	541.72	559.12	569.56	573.04
<b>47.5</b>	284.20	309.72	336.40	363.08	386.28	406.00	419.92	429.20	432.68
<b>55.0</b>	180.96	197.20	213.44	229.68	244.76	258.68	269.12	276.08	278.40
<b>65.0</b>	102.08	109.04	117.16	125.28	133.40	140.36	146.16	149.64	151.96
<b>75.0</b>	49.88	52.20	55.68	58.00	61.48	63.80	66.12	68.44	68.44
<b>85.0</b>	11.60	11.60	12.76	12.76	13.92	13.92	13.92	13.92	13.92
<b>90.0</b>	11.60	10.44	9.28	8.12	6.96	5.80	4.64	3.48	3.48
<b>95.0</b>	45.24	45.24	45.24	45.24	44.08	44.08	44.08	44.08	44.08
<b>100.0</b>	109.04	110.20	110.20	111.36	112.52	113.68	114.84	114.84	113.68
<b>105.0</b>	191.40	193.72	196.04	199.52	203.00	204.16	204.16	204.16	204.16
<b>110.0</b>	294.64	300.44	305.08	309.72	312.04	313.20	314.36	314.36	314.36
<b>115.0</b>	421.08	426.88	431.52	435.00	438.48	439.64	440.80	441.96	441.96
<b>120.0</b>	562.60	567.24	571.88	575.36	578.84	580.00	582.32	582.32	583.48
<b>125.0</b>	709.92	714.56	718.04	721.52	723.84	725.00	727.32	727.32	728.48
<b>130.0</b>	853.76	857.24	860.72	863.04	864.20	866.52	867.68	867.68	867.68
<b>135.0</b>	987.16	989.48	991.80	992.96	994.12	995.28	996.44	996.44	997.60
<b>140.0</b>	1104.32	1105.48	1106.64	1107.80	1108.96	1110.12	1110.12	1111.28	1111.28
<b>145.0</b>	1205.24	1205.24	1206.40	1206.40	1207.56	1208.72	1208.72	1208.72	1208.72
<b>150.0</b>	1288.76	1289.92	1289.92	1291.08	1291.08	1291.08	1292.24	1292.24	1291.08
<b>155.0</b>	1358.36	1358.36	1359.52	1359.52	1359.52	1360.68	1360.68	1360.68	1360.68
<b>160.0</b>	1412.88	1414.04	1414.04	1414.04	1414.04	1414.04	1415.20	1415.20	1415.20
<b>165.0</b>	1455.80	1455.80	1455.80	1455.80	1455.80	1455.80	1455.80	1455.80	1455.80
<b>170.0</b>	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80
<b>175.0</b>	1501.04	1501.04	1501.04	1502.20	1501.04	1501.04	1501.04	1501.04	1501.04
<b>180.0</b>	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68

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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	448.53	N.A.	7.70
0-30	843.95	N.A.	14.50
0-40	1164.89	N.A.	20.00
0-60	1592.69	N.A.	27.30
0-80	1805.42	N.A.	30.90
0-90	1845.76	N.A.	31.60
10-90	1740.15	N.A.	29.80
20-40	716.35	N.A.	12.30
20-50	997.11	N.A.	17.10
40-70	562.04	N.A.	9.60
60-80	212.73	N.A.	3.60
70-80	78.50	N.A.	1.30
80-90	40.33	N.A.	0.70
90-110	263.12	N.A.	4.50
90-120	675.83	N.A.	11.60
90-130	1303.18	N.A.	22.30
90-150	2812.05	N.A.	48.20
90-180	3991.32	N.A.	68.40
110-180	3728.2	N.A.	63.90
0-180	5837.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	105.61
10-20	342.93
20-30	395.41
30-40	320.94
40-50	280.76
50-60	147.05
60-70	134.23
70-80	78.50
80-90	40.33
90-100	58.67
100-110	204.46
110-120	412.70
120-130	627.35
130-140	756.82
140-150	752.05
150-160	625.73
160-170	410.77
170-180	142.76

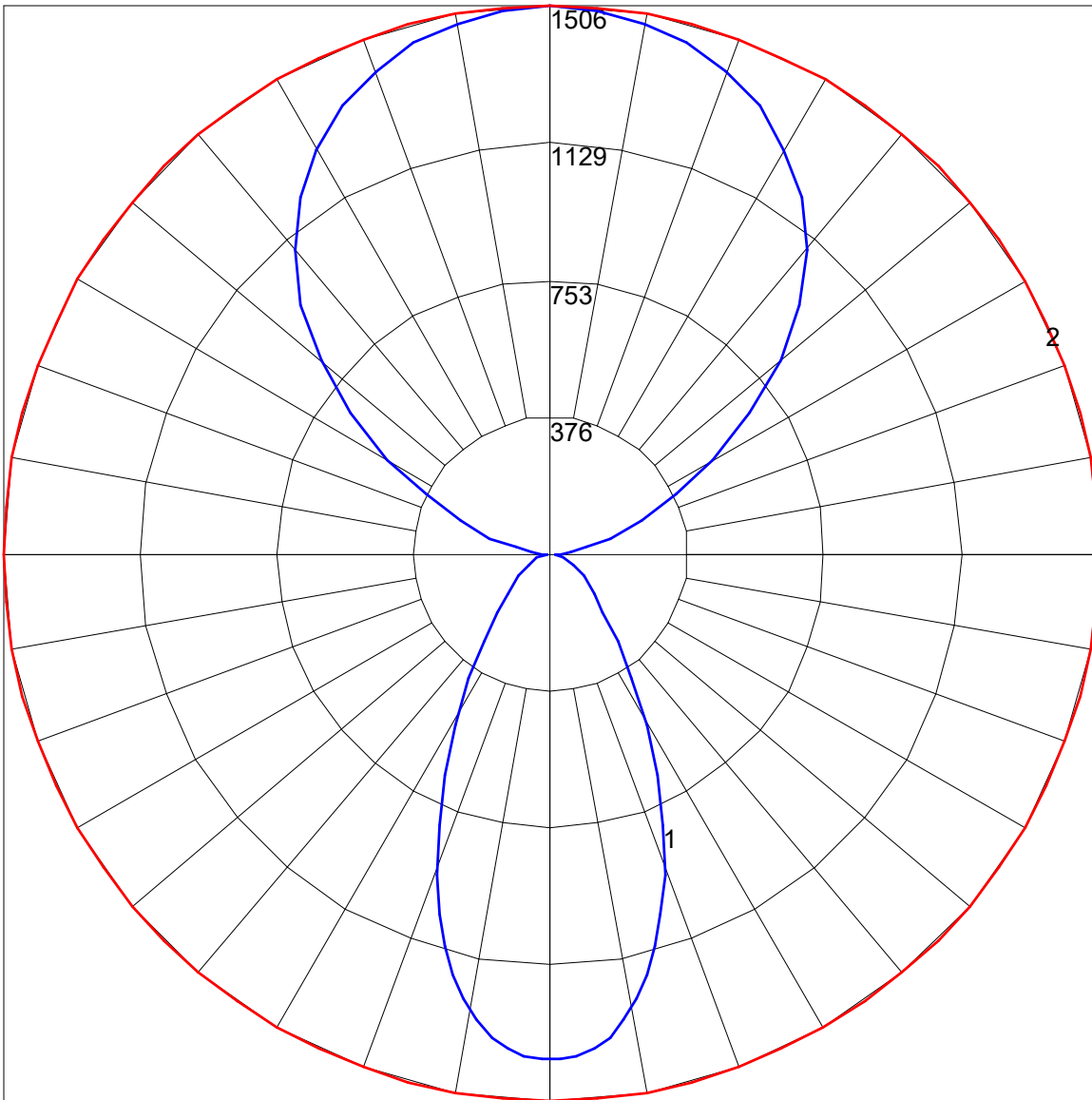
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_SO\_35\_U2S1.IES**

**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	
0	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	32
1	94	90	86	83	85	81	78	75	65	63	61	49	48	47	35	35	34	27
2	86	79	74	69	77	72	67	63	57	54	51	44	42	40	32	31	30	24
3	79	70	64	58	71	64	58	53	51	47	44	40	37	35	29	27	26	21
4	73	63	55	50	65	57	51	46	46	42	38	36	33	30	26	25	23	19
5	67	56	49	43	60	51	45	40	42	37	33	33	29	27	24	22	21	17
6	62	51	43	38	56	46	40	35	38	33	29	30	26	24	22	20	19	16
7	57	46	39	33	52	42	36	31	34	30	26	27	24	22	21	19	17	14
8	53	42	35	30	48	38	32	28	32	27	24	25	22	19	19	17	15	13
9	50	38	31	27	45	35	29	25	29	24	21	23	20	18	18	16	14	12
10	47	35	29	24	42	32	26	22	27	22	19	22	18	16	17	15	13	11

POLAR GRAPH



Maximum Candela = 1505.68 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.)