

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 80° Symmetric, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	104	108	110	112
Total Lumens, 4' rail length (1219mm)	5325	5493	5605	5717
Lumens per foot (305mm)	1331	1373	1401	1429
Lumens per foot UP (305mm)	806	831	848	865
Lumens per foot DOWN (305mm)	525	542	553	564
Input Power (W), 4' rail length (1219mm)	51.2	51.2	51.2	51.2
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.



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805811 (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-U1S7-BL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,

[MORE] symmetric lens up/80° symmetric 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	5605
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	51.22
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	6362	7810	7304
55	2962	4469	4189
65	1342	2286	2377
75	671	1147	1426
85	225	426	680

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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>
0.0	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80
1.0	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80
3.0	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48
5.0	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84
7.0	1267.88	1267.88	1267.88	1267.88	1267.88	1267.88	1267.88	1267.88	1267.88	1267.88
9.0	1258.60	1258.60	1257.44	1258.60	1257.44	1257.44	1257.44	1257.44	1257.44	1257.44
11.0	1245.84	1245.84	1245.84	1245.84	1245.84	1245.84	1245.84	1245.84	1245.84	1245.84
13.0	1231.92	1231.92	1230.76	1230.76	1230.76	1230.76	1230.76	1230.76	1230.76	1230.76
15.0	1214.52	1214.52	1214.52	1214.52	1214.52	1213.36	1213.36	1213.36	1213.36	1212.20
17.0	1193.64	1193.64	1193.64	1193.64	1193.64	1193.64	1193.64	1193.64	1192.48	1192.48
19.5	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1162.32	1162.32
22.5	1119.40	1119.40	1119.40	1120.56	1120.56	1121.72	1121.72	1120.56	1120.56	1119.40
25.5	1064.88	1064.88	1066.04	1067.20	1068.36	1069.52	1070.68	1070.68	1069.52	1068.36
29.0	987.16	987.16	989.48	991.80	994.12	997.60	998.76	999.92	999.92	997.60
33.0	875.80	876.96	880.44	885.08	890.88	895.52	900.16	903.64	904.80	902.48
37.5	725.00	726.16	731.96	738.92	748.20	758.64	767.92	773.72	778.36	778.36
42.5	537.08	539.40	546.36	556.80	570.72	584.64	598.56	611.32	618.28	621.76
47.5	361.92	363.08	371.20	381.64	395.56	411.80	428.04	444.28	455.88	461.68
55.0	175.16	176.32	180.96	189.08	198.36	211.12	223.88	237.80	249.40	257.52
65.0	61.48	62.64	63.80	67.28	71.92	76.56	82.36	89.32	95.12	100.92
75.0	20.88	20.88	20.88	22.04	23.20	25.52	26.68	29.00	31.32	33.64
85.0	3.48	3.48	3.48	3.48	3.48	4.64	4.64	4.64	4.64	5.80
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	27.84	29.00	29.00	29.00	29.00	29.00	30.16	30.16	30.16	30.16
100.0	73.08	74.24	74.24	74.24	75.40	76.56	77.72	78.88	81.20	82.36
105.0	132.24	132.24	133.40	134.56	135.72	138.04	140.36	142.68	146.16	148.48
110.0	206.48	206.48	207.64	209.96	212.28	215.76	219.24	222.72	227.36	232.00
115.0	298.12	298.12	299.28	301.60	305.08	308.56	314.36	319.00	324.80	330.60
120.0	404.84	404.84	407.16	409.48	414.12	418.76	423.40	430.36	437.32	444.28
125.0	526.64	527.80	528.96	532.44	537.08	541.72	547.52	554.48	562.60	569.56
130.0	658.88	658.88	661.20	664.68	668.16	673.96	679.76	686.72	693.68	700.64
135.0	793.44	794.60	795.76	798.08	802.72	807.36	812.00	817.80	823.60	829.40
140.0	922.20	922.20	923.36	925.68	928.00	931.48	936.12	939.60	944.24	947.72
145.0	1034.72	1034.72	1035.88	1037.04	1039.36	1041.68	1044.00	1046.32	1049.80	1052.12
150.0	1129.84	1129.84	1129.84	1131.00	1132.16	1133.32	1135.64	1136.80	1139.12	1140.28
155.0	1206.40	1206.40	1206.40	1207.56	1207.56	1208.72	1209.88	1211.04	1212.20	1213.36
160.0	1266.72	1267.88	1267.88	1267.88	1267.88	1269.04	1269.04	1270.20	1271.36	1271.36
165.0	1314.28	1314.28	1314.28	1314.28	1314.28	1315.44	1315.44	1316.60	1316.60	1317.76
170.0	1347.92	1347.92	1347.92	1347.92	1349.08	1349.08	1349.08	1349.08	1350.24	1350.24
175.0	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96
180.0	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08

Vert. 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>
0.0	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80
1.0	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80	1281.80
3.0	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48	1279.48
5.0	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84
7.0	1267.88	1266.72	1266.72	1266.72	1266.72	1266.72	1266.72	1266.72	1266.72
9.0	1257.44	1257.44	1257.44	1257.44	1257.44	1257.44	1257.44	1256.28	1256.28
11.0	1244.68	1244.68	1244.68	1244.68	1244.68	1243.52	1243.52	1243.52	1243.52
13.0	1229.60	1229.60	1229.60	1228.44	1228.44	1228.44	1228.44	1227.28	1227.28
15.0	1212.20	1212.20	1211.04	1209.88	1209.88	1209.88	1208.72	1208.72	1208.72

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CANDELA TABULATION - (Cont.)

17.0	1191.32	1190.16	1189.00	1189.00	1187.84	1186.68	1186.68	1185.52	1186.68
19.5	1161.16	1158.84	1157.68	1156.52	1155.36	1154.20	1153.04	1151.88	1151.88
22.5	1117.08	1114.76	1112.44	1110.12	1107.80	1106.64	1105.48	1104.32	1103.16
25.5	1064.88	1062.56	1059.08	1055.60	1052.12	1049.80	1047.48	1046.32	1045.16
29.0	994.12	990.64	986.00	980.20	975.56	970.92	968.60	966.28	965.12
33.0	899.00	893.20	886.24	879.28	872.32	865.36	860.72	858.40	857.24
37.5	773.72	766.76	758.64	748.20	738.92	730.80	723.84	720.36	719.20
42.5	619.44	612.48	602.04	590.44	580.00	569.56	562.60	557.96	556.80
47.5	461.68	457.04	447.76	437.32	425.72	416.44	408.32	404.84	403.68
55.0	261.00	259.84	255.20	248.24	240.12	233.16	228.52	225.04	223.88
65.0	103.24	104.40	104.40	102.08	99.76	97.44	95.12	93.96	93.96
75.0	34.80	35.96	37.12	35.96	35.96	35.96	34.80	34.80	34.80
85.0	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	31.32	31.32	31.32	31.32	31.32	31.32	31.32	31.32	31.32
100.0	83.52	84.68	87.00	87.00	88.16	89.32	89.32	89.32	88.16
105.0	151.96	154.28	157.76	160.08	161.24	162.40	163.56	163.56	163.56
110.0	236.64	241.28	244.76	248.24	250.56	252.88	254.04	254.04	254.04
115.0	336.40	342.20	346.84	351.48	354.96	357.28	358.44	359.60	359.60
120.0	451.24	458.20	464.00	468.64	472.12	474.44	476.76	477.92	477.92
125.0	577.68	584.64	590.44	595.08	598.56	600.88	603.20	604.36	605.52
130.0	707.60	714.56	719.20	723.84	727.32	730.80	731.96	734.28	734.28
135.0	834.04	839.84	844.48	847.96	851.44	853.76	856.08	858.40	858.40
140.0	952.36	955.84	959.32	961.64	965.12	967.44	969.76	970.92	972.08
145.0	1054.44	1057.92	1060.24	1062.56	1064.88	1067.20	1068.36	1070.68	1070.68
150.0	1142.60	1144.92	1146.08	1148.40	1149.56	1151.88	1154.20	1155.36	1155.36
155.0	1214.52	1215.68	1218.00	1219.16	1220.32	1222.64	1223.80	1224.96	1224.96
160.0	1272.52	1273.68	1274.84	1277.16	1278.32	1279.48	1279.48	1280.64	1280.64
165.0	1317.76	1318.92	1320.08	1321.24	1321.24	1322.40	1323.56	1323.56	1323.56
170.0	1350.24	1351.40	1351.40	1352.56	1352.56	1352.56	1353.72	1353.72	1353.72
175.0	1371.12	1371.12	1371.12	1371.12	1371.12	1371.12	1371.12	1371.12	1371.12
180.0	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	440.63	N.A.	7.90
0-30	900.32	N.A.	16.10
0-40	1344.26	N.A.	24.00
0-60	1980.25	N.A.	35.30
0-80	2190.48	N.A.	39.10
0-90	2211.2	N.A.	39.50
10-90	2112.96	N.A.	37.70
20-40	903.63	N.A.	16.10
20-50	1332.55	N.A.	23.80
40-70	785.20	N.A.	14.00
60-80	210.23	N.A.	3.80
70-80	61.02	N.A.	1.10
80-90	20.72	N.A.	0.40
90-110	200.10	N.A.	3.60
90-120	530.12	N.A.	9.50
90-130	1039.18	N.A.	18.50
90-150	2332.67	N.A.	41.60
90-180	3393.69	N.A.	60.50
110-180	3193.58	N.A.	57.00
0-180	5604.89	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.24
10-20	342.39
20-30	459.69
30-40	443.94
40-50	428.92
50-60	207.07
60-70	149.21
70-80	61.02
80-90	20.72
90-100	39.11
100-110	161.00
110-120	330.02
120-130	509.06
130-140	636.91
140-150	656.58
150-160	558.97
160-170	371.84
170-180	130.20

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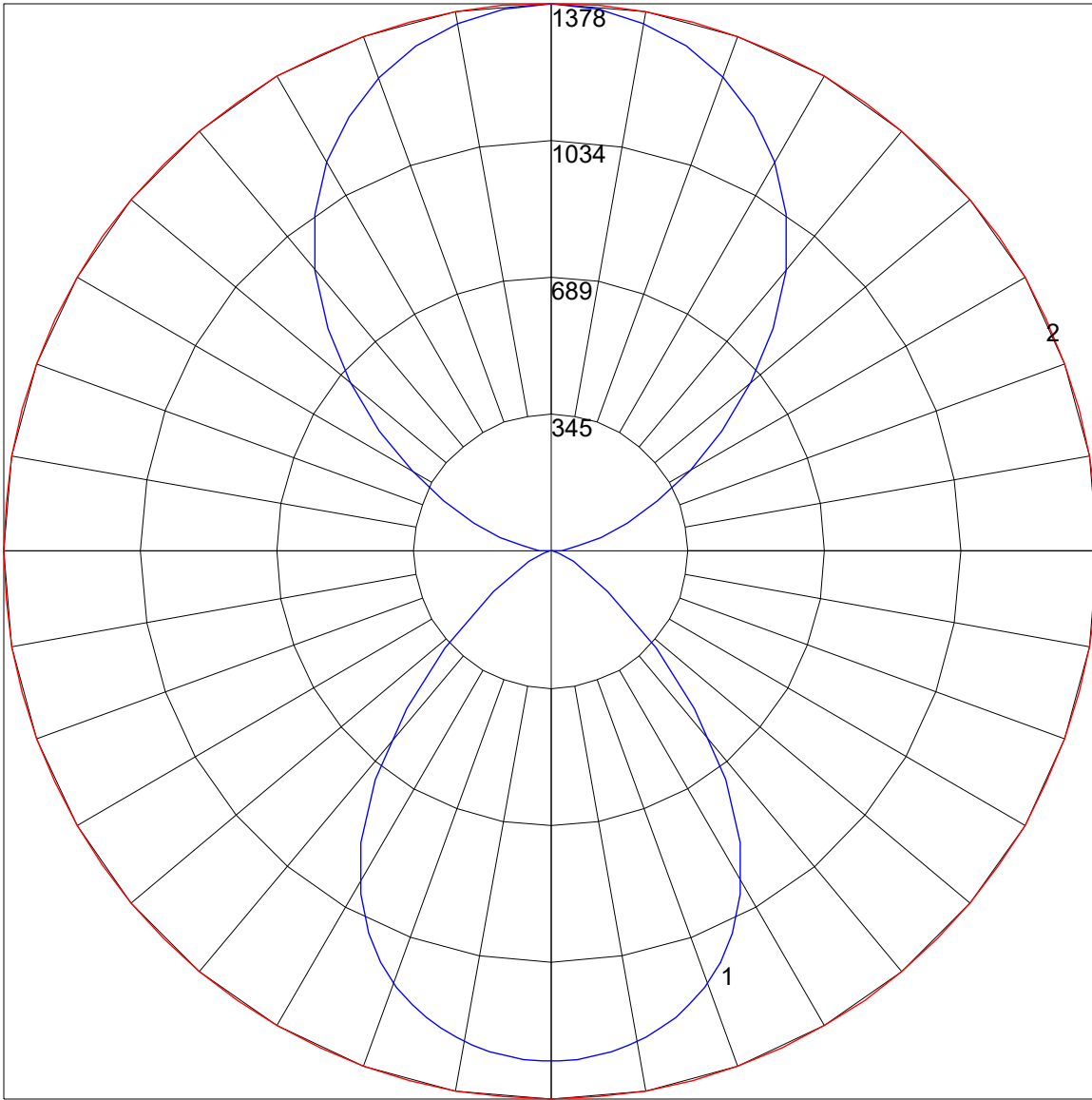
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S7_BL.IES

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	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	89	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	76	71	80	74	70	66	61	58	55	49	47	45	38	37	35	30
3	81	72	65	60	74	66	60	56	55	51	47	44	41	39	34	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	31	29	27	24
5	69	58	50	45	62	53	47	42	44	39	36	36	33	30	29	26	24	21
6	63	52	44	39	58	48	41	36	40	35	32	33	29	27	26	24	22	19
7	59	47	40	34	53	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

POLAR GRAPH



Maximum Candela = 1378.08 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.)