

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	108	111	114	114
Total Lumens, 4' rail length (1219mm)	5614	5791	5909	5909
Lumens per foot (305mm)	1403	1448	1477	1477
Lumens per foot UP (305mm)	944	973	993	993
Lumens per foot DOWN (305mm)	460	474	484	484
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

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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_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911555 (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-U2S2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/60°

[MORE] 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	5909
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
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	2889	5044	7116
55	1231	2388	3923
65	637	1192	2117
75	362	651	1280
85	221	333	785

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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	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20
1.0	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04
3.0	1410.56	1410.56	1410.56	1411.72	1411.72	1411.72	1411.72	1411.72	1411.72	1411.72
5.0	1401.28	1401.28	1401.28	1402.44	1402.44	1402.44	1402.44	1403.60	1403.60	1404.76
7.0	1388.52	1388.52	1388.52	1388.52	1389.68	1389.68	1390.84	1392.00	1393.16	1394.32
9.0	1367.64	1367.64	1368.80	1369.96	1371.12	1372.28	1373.44	1375.76	1376.92	1378.08
11.0	1342.12	1342.12	1343.28	1344.44	1346.76	1347.92	1351.40	1353.72	1356.04	1358.36
13.0	1309.64	1309.64	1310.80	1313.12	1315.44	1318.92	1322.40	1327.04	1330.52	1334.00
15.0	1270.20	1271.36	1272.52	1274.84	1278.32	1282.96	1288.76	1293.40	1299.20	1303.84
17.0	1223.80	1223.80	1226.12	1230.76	1235.40	1241.20	1249.32	1255.12	1263.24	1270.20
19.5	1153.04	1154.20	1157.68	1162.32	1170.44	1178.56	1187.84	1198.28	1208.72	1219.16
22.5	1052.12	1054.44	1059.08	1067.20	1077.64	1090.40	1103.16	1118.24	1132.16	1146.08
25.5	933.80	936.12	943.08	953.52	967.44	983.68	1002.24	1021.96	1040.52	1059.08
29.0	781.84	785.32	793.44	806.20	823.60	845.64	868.84	894.36	919.88	944.24
33.0	603.20	605.52	614.80	629.88	650.76	675.12	704.12	735.44	766.76	796.92
37.5	419.92	422.24	431.52	446.60	466.32	490.68	519.68	553.32	588.12	621.76
42.5	263.32	265.64	272.60	284.20	300.44	321.32	345.68	374.68	407.16	438.48
47.5	160.08	161.24	165.88	174.00	185.60	199.52	216.92	238.96	263.32	287.68
55.0	75.40	76.56	78.88	83.52	88.16	96.28	105.56	116.00	128.76	142.68
65.0	30.16	30.16	31.32	32.48	34.80	37.12	40.60	45.24	49.88	54.52
75.0	11.60	11.60	11.60	12.76	12.76	13.92	15.08	17.40	18.56	19.72
85.0	3.48	3.48	3.48	3.48	3.48	3.48	3.48	3.48	4.64	4.64
90.0	23.20	22.04	22.04	22.04	20.88	19.72	18.56	17.40	15.08	13.92
95.0	52.20	52.20	52.20	52.20	51.04	51.04	49.88	48.72	48.72	47.56
100.0	98.60	98.60	98.60	99.76	100.92	103.24	104.40	106.72	109.04	111.36
105.0	175.16	175.16	176.32	178.64	180.96	183.28	185.60	187.92	191.40	193.72
110.0	267.96	267.96	269.12	271.44	273.76	276.08	279.56	283.04	287.68	291.16
115.0	375.84	377.00	378.16	380.48	383.96	387.44	392.08	397.88	403.68	410.64
120.0	505.76	506.92	508.08	511.56	516.20	520.84	526.64	533.60	540.56	546.36
125.0	654.24	655.40	657.72	660.04	664.68	669.32	675.12	679.76	685.56	691.36
130.0	807.36	807.36	809.68	812.00	814.32	818.96	822.44	827.08	831.72	836.36
135.0	951.20	952.36	953.52	954.68	957.00	960.48	962.80	966.28	969.76	973.24
140.0	1081.12	1081.12	1082.28	1083.44	1084.60	1086.92	1088.08	1091.56	1093.88	1096.20
145.0	1191.32	1191.32	1192.48	1192.48	1193.64	1194.80	1197.12	1198.28	1199.44	1201.76
150.0	1284.12	1284.12	1284.12	1284.12	1285.28	1286.44	1287.60	1288.76	1289.92	1291.08
155.0	1358.36	1358.36	1359.52	1359.52	1359.52	1360.68	1360.68	1361.84	1363.00	1363.00
160.0	1417.52	1417.52	1417.52	1418.68	1418.68	1418.68	1418.68	1419.84	1421.00	1421.00
165.0	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1463.92	1463.92	1463.92	1463.92
170.0	1492.92	1492.92	1492.92	1492.92	1492.92	1494.08	1494.08	1494.08	1494.08	1494.08
175.0	1510.32	1510.32	1510.32	1511.48	1510.32	1511.48	1510.32	1511.48	1511.48	1511.48
180.0	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96

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>
0.0	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20
1.0	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04
3.0	1411.72	1411.72	1411.72	1411.72	1411.72	1411.72	1411.72	1412.88	1412.88
5.0	1404.76	1404.76	1405.92	1405.92	1405.92	1405.92	1407.08	1407.08	1407.08
7.0	1394.32	1395.48	1396.64	1397.80	1397.80	1398.96	1398.96	1398.96	1400.12
9.0	1380.40	1381.56	1382.72	1383.88	1385.04	1386.20	1387.36	1387.36	1387.36
11.0	1360.68	1364.16	1366.48	1367.64	1369.96	1371.12	1372.28	1372.28	1372.28
13.0	1337.48	1340.96	1344.44	1346.76	1349.08	1351.40	1352.56	1353.72	1353.72
15.0	1309.64	1314.28	1318.92	1322.40	1325.88	1328.20	1329.36	1330.52	1331.68

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CANDELA TABULATION - (Cont.)

17.0	1277.16	1282.96	1288.76	1293.40	1296.88	1300.36	1302.68	1303.84	1303.84
19.5	1227.28	1236.56	1243.52	1249.32	1255.12	1258.60	1260.92	1262.08	1263.24
22.5	1158.84	1170.44	1179.72	1187.84	1194.80	1199.44	1202.92	1205.24	1206.40
25.5	1076.48	1091.56	1104.32	1114.76	1121.72	1128.68	1132.16	1134.48	1135.64
29.0	967.44	986.00	1003.40	1016.16	1025.44	1032.40	1037.04	1039.36	1039.36
33.0	824.76	850.28	868.84	885.08	895.52	903.64	908.28	910.60	911.76
37.5	654.24	683.24	705.28	722.68	735.44	743.56	748.20	751.68	752.84
42.5	470.96	498.80	522.00	540.56	553.32	561.44	567.24	569.56	569.56
47.5	314.36	338.72	358.44	375.84	387.44	395.56	400.20	403.68	403.68
55.0	157.76	171.68	184.44	196.04	204.16	211.12	214.60	216.92	218.08
65.0	60.32	66.12	70.76	75.40	80.04	82.36	84.68	87.00	87.00
75.0	22.04	24.36	25.52	27.84	29.00	30.16	31.32	32.48	32.48
85.0	4.64	4.64	5.80	5.80	5.80	5.80	5.80	6.96	6.96
90.0	12.76	10.44	9.28	6.96	5.80	4.64	3.48	2.32	2.32
95.0	46.40	46.40	46.40	46.40	45.24	45.24	44.08	44.08	44.08
100.0	112.52	113.68	113.68	113.68	113.68	113.68	113.68	113.68	113.68
105.0	194.88	197.20	198.36	201.84	203.00	203.00	203.00	203.00	203.00
110.0	295.80	300.44	305.08	307.40	309.72	309.72	310.88	310.88	310.88
115.0	416.44	422.24	425.72	429.20	431.52	432.68	433.84	435.00	435.00
120.0	552.16	557.96	561.44	564.92	568.40	570.72	571.88	573.04	573.04
125.0	696.00	700.64	705.28	708.76	711.08	713.40	715.72	716.88	716.88
130.0	839.84	844.48	847.96	851.44	853.76	856.08	858.40	859.56	859.56
135.0	976.72	980.20	982.52	984.84	987.16	989.48	990.64	991.80	991.80
140.0	1098.52	1100.84	1103.16	1105.48	1106.64	1108.96	1110.12	1110.12	1111.28
145.0	1204.08	1205.24	1207.56	1208.72	1209.88	1211.04	1212.20	1212.20	1212.20
150.0	1292.24	1293.40	1294.56	1295.72	1296.88	1296.88	1298.04	1298.04	1298.04
155.0	1364.16	1365.32	1365.32	1366.48	1366.48	1367.64	1367.64	1367.64	1367.64
160.0	1421.00	1422.16	1422.16	1422.16	1423.32	1423.32	1423.32	1423.32	1423.32
165.0	1463.92	1465.08	1465.08	1465.08	1465.08	1465.08	1465.08	1466.24	1466.24
170.0	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1495.24	1495.24	1495.24
175.0	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48
180.0	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	475.57	N.A.	8.00
0-30	933.78	N.A.	15.80
0-40	1322.88	N.A.	22.40
0-60	1781.52	N.A.	30.10
0-80	1917.46	N.A.	32.40
0-90	1936.25	N.A.	32.80
10-90	1828.16	N.A.	30.90
20-40	847.31	N.A.	14.30
20-50	1167.62	N.A.	19.80
40-70	554.58	N.A.	9.40
60-80	135.95	N.A.	2.30
70-80	40.01	N.A.	0.70
80-90	18.78	N.A.	0.30
90-110	265.59	N.A.	4.50
90-120	673.72	N.A.	11.40
90-130	1289.52	N.A.	21.80
90-150	2788.18	N.A.	47.20
90-180	3972.98	N.A.	67.20
110-180	3707.4	N.A.	62.70
0-180	5909.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.08
10-20	367.49
20-30	458.21
30-40	389.10
40-50	320.31
50-60	138.33
60-70	95.94
70-80	40.01
80-90	18.78
90-100	59.29
100-110	206.30
110-120	408.14
120-130	615.80
130-140	748.17
140-150	750.48
150-160	627.90
160-170	413.22
170-180	143.68

IES INDOOR REPORT

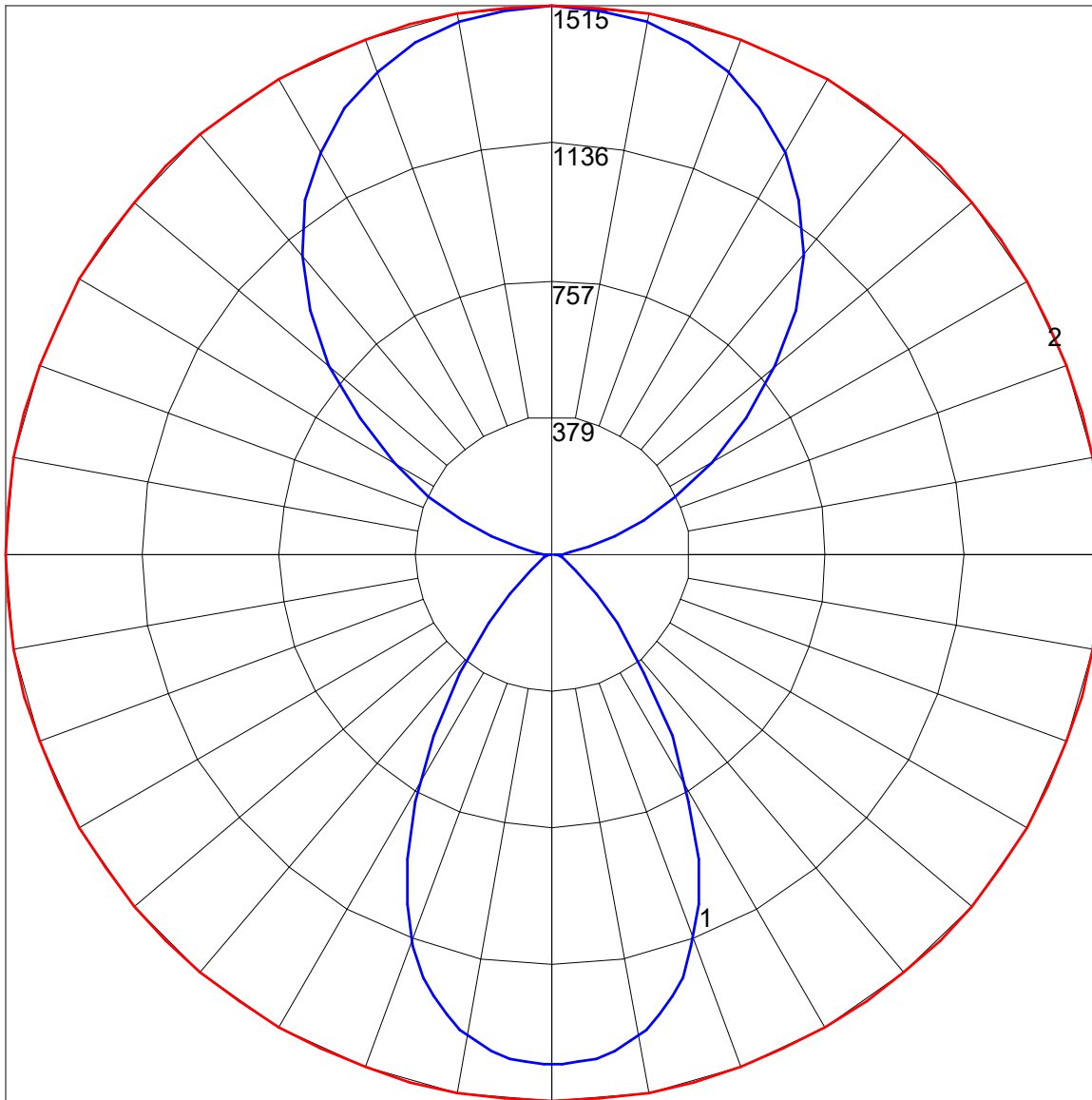
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S2_BL.IES

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	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33
1	95	91	87	84	85	82	79	77	66	64	62	51	50	48	37	36	36	29
2	87	80	75	70	78	73	68	64	59	56	53	46	44	42	34	32	31	26
3	80	71	65	60	72	65	59	55	53	49	46	41	39	37	31	29	28	23
4	74	64	57	51	66	58	52	47	47	43	40	37	34	32	28	26	25	21
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	26	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	24	22	20	17
7	58	47	40	35	53	43	37	32	36	31	27	29	25	23	22	20	18	16
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	29	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 1514.96 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.)