

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U1S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	105	108	110	113
Total Lumens, 4' rail length (1219mm)	5372	5542	5655	5768
Lumens per foot (305mm)	1343	1385	1414	1442
Lumens per foot UP (305mm)	887	915	934	952
Lumens per foot DOWN (305mm)	456	470	480	490
Input Power (W), 4' rail length (1219mm)	51.5	51.5	51.5	51.5
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_U1S1_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805801R01 (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-U1S1-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens 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	5655
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	51.45
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	2618	4591	9694
55	1785	2919	6619
65	1443	2076	4432
75	1119	1503	2996
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>
0.0	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52
1.0	1387.36	1387.36	1387.36	1387.36	1387.36	1387.36	1387.36	1388.52	1388.52	1388.52
3.0	1376.92	1376.92	1376.92	1376.92	1378.08	1378.08	1379.24	1380.40	1380.40	1381.56
5.0	1353.72	1354.88	1354.88	1356.04	1357.20	1359.52	1361.84	1363.00	1365.32	1367.64
7.0	1321.24	1322.40	1323.56	1325.88	1328.20	1331.68	1335.16	1339.80	1343.28	1347.92
9.0	1279.48	1279.48	1281.80	1285.28	1288.76	1294.56	1300.36	1307.32	1314.28	1321.24
11.0	1226.12	1227.28	1230.76	1235.40	1241.20	1249.32	1257.44	1267.88	1278.32	1289.92
13.0	1165.80	1166.96	1170.44	1177.40	1185.52	1195.96	1207.56	1221.48	1235.40	1250.48
15.0	1097.36	1098.52	1103.16	1111.28	1121.72	1135.64	1150.72	1168.12	1187.84	1206.40
17.0	1023.12	1024.28	1030.08	1039.36	1053.28	1069.52	1088.08	1108.96	1132.16	1156.52
19.5	923.36	925.68	932.64	944.24	959.32	979.04	1002.24	1028.92	1056.76	1085.76
22.5	800.40	802.72	810.84	823.60	842.16	865.36	893.20	923.36	958.16	992.96
25.5	677.44	680.92	689.04	704.12	723.84	749.36	779.52	814.32	853.76	895.52
29.0	545.20	547.52	556.80	571.88	592.76	618.28	649.60	686.72	730.80	776.04
33.0	415.28	417.60	425.72	439.64	459.36	483.72	513.88	551.00	592.76	640.32
37.5	301.60	303.92	310.88	321.32	337.56	358.44	385.12	417.60	455.88	499.96
42.5	213.44	214.60	220.40	228.52	240.12	256.36	276.08	301.60	332.92	368.88
47.5	156.60	157.76	161.24	165.88	175.16	185.60	200.68	218.08	241.28	267.96
55.0	105.56	106.72	107.88	111.36	114.84	121.80	128.76	139.20	151.96	168.20
65.0	66.12	66.12	67.28	68.44	69.60	71.92	75.40	80.04	84.68	91.64
75.0	34.80	34.80	34.80	35.96	35.96	37.12	38.28	39.44	41.76	44.08
85.0	8.12	8.12	8.12	8.12	8.12	9.28	9.28	9.28	9.28	9.28
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	30.16	30.16	30.16	31.32	31.32	31.32	31.32	31.32	32.48	32.48
100.0	81.20	82.36	82.36	82.36	83.52	84.68	87.00	88.16	90.48	91.64
105.0	151.96	151.96	153.12	154.28	156.60	157.76	161.24	163.56	165.88	169.36
110.0	238.96	240.12	240.12	242.44	244.76	248.24	250.56	255.20	258.68	263.32
115.0	342.20	343.36	344.52	346.84	350.32	353.80	357.28	361.92	367.72	373.52
120.0	461.68	462.84	464.00	466.32	469.80	474.44	480.24	486.04	491.84	497.64
125.0	595.08	596.24	597.40	600.88	604.36	609.00	614.80	620.60	627.56	634.52
130.0	736.60	737.76	738.92	742.40	745.88	750.52	756.32	763.28	770.24	776.04
135.0	879.28	880.44	881.60	885.08	888.56	893.20	897.84	902.48	908.28	914.08
140.0	1015.00	1015.00	1016.16	1018.48	1021.96	1025.44	1028.92	1032.40	1035.88	1039.36
145.0	1134.48	1134.48	1135.64	1136.80	1137.96	1140.28	1142.60	1144.92	1147.24	1149.56
150.0	1233.08	1233.08	1233.08	1234.24	1234.24	1235.40	1236.56	1237.72	1238.88	1241.20
155.0	1310.80	1310.80	1311.96	1311.96	1311.96	1313.12	1313.12	1314.28	1315.44	1316.60
160.0	1373.44	1373.44	1373.44	1373.44	1373.44	1374.60	1374.60	1375.76	1375.76	1376.92
165.0	1421.00	1421.00	1421.00	1421.00	1421.00	1422.16	1422.16	1423.32	1423.32	1424.48
170.0	1455.80	1455.80	1456.96	1456.96	1456.96	1456.96	1458.12	1458.12	1458.12	1459.28
175.0	1480.16	1480.16	1480.16	1480.16	1480.16	1480.16	1480.16	1480.16	1481.32	1481.32
180.0	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28

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	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52
1.0	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52	1388.52
3.0	1382.72	1383.88	1383.88	1385.04	1385.04	1386.20	1386.20	1386.20	1386.20
5.0	1369.96	1373.44	1375.76	1376.92	1379.24	1380.40	1381.56	1381.56	1381.56
7.0	1353.72	1357.20	1361.84	1365.32	1368.80	1372.28	1373.44	1375.76	1375.76
9.0	1329.36	1337.48	1344.44	1350.24	1356.04	1360.68	1364.16	1366.48	1366.48
11.0	1300.36	1311.96	1322.40	1331.68	1339.80	1346.76	1351.40	1353.72	1354.88
13.0	1266.72	1280.64	1295.72	1308.48	1318.92	1328.20	1335.16	1339.80	1340.96
15.0	1226.12	1245.84	1264.40	1280.64	1295.72	1307.32	1315.44	1321.24	1323.56

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S1_AL.IES****CANDELA TABULATION - (Cont.)**

17.0	1180.88	1205.24	1227.28	1249.32	1266.72	1282.96	1293.40	1300.36	1302.68
19.5	1117.08	1147.24	1176.24	1204.08	1226.12	1245.84	1260.92	1269.04	1272.52
22.5	1032.40	1069.52	1106.64	1140.28	1169.28	1194.80	1213.36	1224.96	1228.44
25.5	939.60	983.68	1027.76	1068.36	1104.32	1133.32	1157.68	1171.60	1176.24
29.0	825.92	876.96	925.68	973.24	1016.16	1053.28	1079.96	1097.36	1103.16
33.0	692.52	747.04	801.56	856.08	904.80	946.56	977.88	996.44	1004.56
37.5	549.84	603.20	658.88	715.72	766.76	812.00	845.64	866.52	874.64
42.5	411.80	458.20	509.24	561.44	610.16	653.08	687.88	708.76	716.88
47.5	300.44	337.56	378.16	422.24	462.84	501.12	531.28	549.84	557.96
55.0	187.92	209.96	234.32	262.16	288.84	313.20	335.24	348.00	353.80
65.0	99.76	110.20	120.64	133.40	145.00	156.60	165.88	172.84	175.16
75.0	46.40	49.88	53.36	58.00	62.64	66.12	69.60	71.92	73.08
85.0	10.44	10.44	10.44	11.60	11.60	11.60	12.76	12.76	12.76
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	32.48	32.48	33.64	34.80	34.80	34.80	34.80	34.80	34.80
100.0	93.96	95.12	96.28	97.44	98.60	99.76	99.76	99.76	99.76
105.0	171.68	175.16	177.48	179.80	180.96	182.12	183.28	183.28	183.28
110.0	266.80	271.44	274.92	278.40	280.72	283.04	284.20	284.20	284.20
115.0	379.32	383.96	388.60	393.24	395.56	397.88	400.20	401.36	401.36
120.0	504.60	511.56	516.20	520.84	525.48	527.80	530.12	531.28	532.44
125.0	641.48	648.44	654.24	658.88	662.36	665.84	668.16	670.48	670.48
130.0	783.00	788.80	793.44	798.08	800.40	803.88	807.36	809.68	810.84
135.0	918.72	923.36	926.84	930.32	933.80	937.28	939.60	941.92	943.08
140.0	1042.84	1046.32	1048.64	1052.12	1054.44	1056.76	1060.24	1062.56	1063.72
145.0	1150.72	1153.04	1155.36	1157.68	1160.00	1163.48	1165.80	1168.12	1169.28
150.0	1242.36	1243.52	1245.84	1248.16	1250.48	1252.80	1255.12	1256.28	1257.44
155.0	1317.76	1318.92	1320.08	1322.40	1324.72	1327.04	1328.20	1329.36	1330.52
160.0	1378.08	1379.24	1380.40	1382.72	1383.88	1386.20	1387.36	1388.52	1388.52
165.0	1425.64	1426.80	1427.96	1429.12	1430.28	1431.44	1432.60	1432.60	1432.60
170.0	1460.44	1460.44	1461.60	1461.60	1462.76	1463.92	1463.92	1463.92	1463.92
175.0	1481.32	1481.32	1481.32	1481.32	1482.48	1482.48	1482.48	1482.48	1482.48
180.0	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28	1488.28

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S1_AL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	446.08	N.A.	7.90
0-30	848.17	N.A.	15.00
0-40	1188.46	N.A.	21.00
0-60	1662.4	N.A.	29.40
0-80	1885.57	N.A.	33.30
0-90	1920.25	N.A.	34.00
10-90	1815.38	N.A.	32.10
20-40	742.38	N.A.	13.10
20-50	1052.97	N.A.	18.60
40-70	617.80	N.A.	10.90
60-80	223.17	N.A.	3.90
70-80	79.31	N.A.	1.40
80-90	34.68	N.A.	0.60
90-110	225.21	N.A.	4.00
90-120	597.76	N.A.	10.60
90-130	1165.49	N.A.	20.60
90-150	2584.81	N.A.	45.70
90-180	3734.74	N.A.	66.00
110-180	3509.53	N.A.	62.10
0-180	5654.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	104.87
10-20	341.21
20-30	402.09
30-40	340.29
40-50	310.59
50-60	163.35
60-70	143.86
70-80	79.31
80-90	34.68
90-100	42.92
100-110	182.29
110-120	372.55
120-130	567.72
130-140	701.93
140-150	717.40
150-160	606.93
160-170	402.30
170-180	140.70

IES INDOOR REPORT

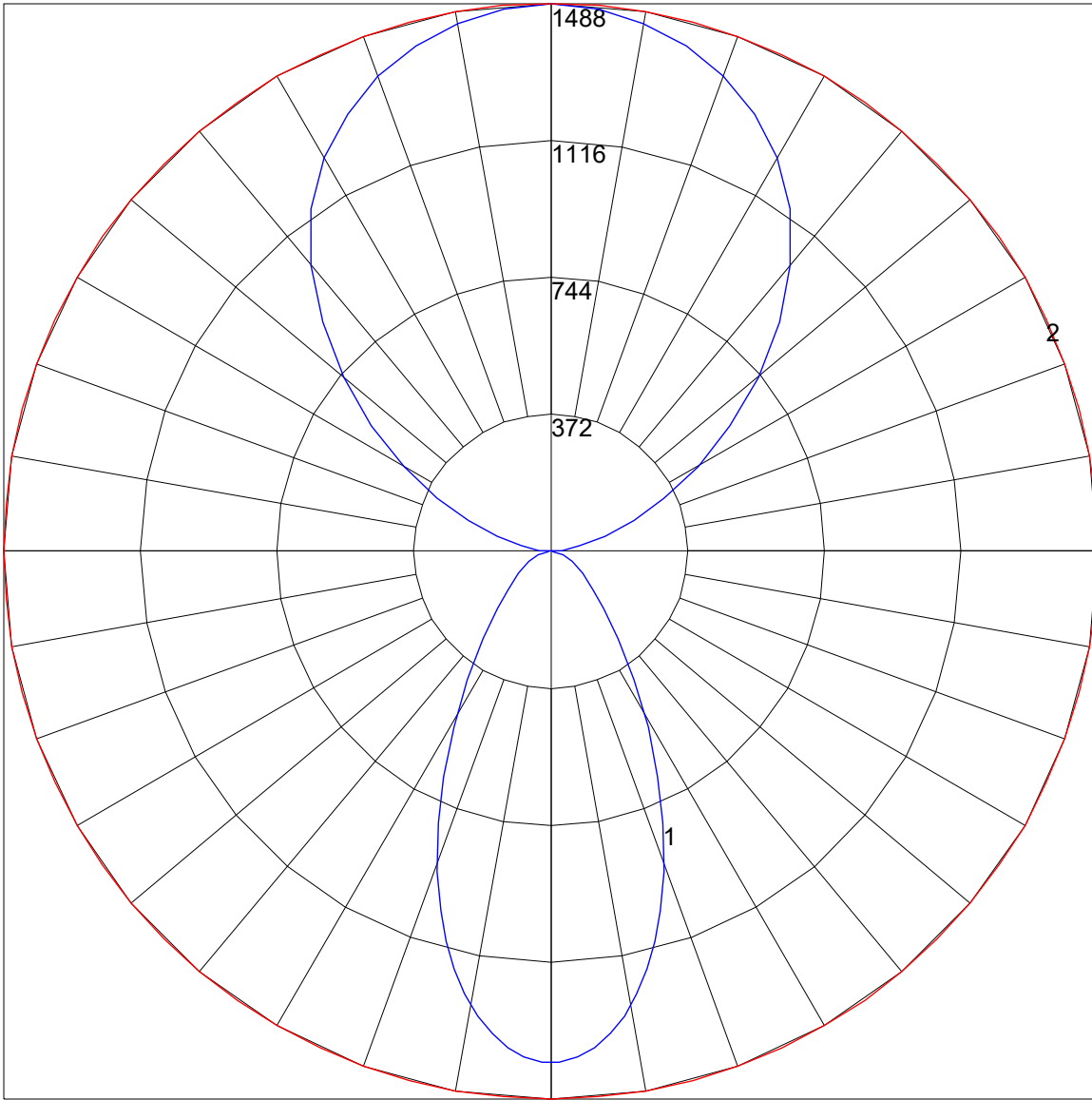
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S1_AL.IES

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	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	37	36	30
2	87	80	74	69	78	72	68	64	58	55	52	46	43	42	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 = 1488.28 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.)