

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	121	125	128	130
Total Lumens, 4' rail length (1219mm)	6185	6380	6511	6641
Lumens per foot (305mm)	1546	1595	1628	1660
Lumens per foot UP (305mm)	882	910	928	947
Lumens per foot DOWN (305mm)	664	685	699	713
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.



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805806R01 (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-U2S7-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/80° 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	6511
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	51.25
Ballast Factor	1.00
CIE Type	General Diffuse
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	7585	10093	10488
55	4041	6502	7400
65	2330	3863	5107
75	1455	2295	3519
85	601	853	1768

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	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
1.0	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
3.0	1416.36	1416.36	1416.36	1416.36	1416.36	1416.36	1416.36	1416.36	1416.36	1416.36
5.0	1411.72	1411.72	1411.72	1411.72	1412.88	1412.88	1412.88	1412.88	1412.88	1412.88
7.0	1405.92	1405.92	1405.92	1405.92	1405.92	1405.92	1407.08	1407.08	1407.08	1407.08
9.0	1396.64	1396.64	1396.64	1397.80	1397.80	1397.80	1397.80	1398.96	1398.96	1398.96
11.0	1386.20	1386.20	1386.20	1386.20	1387.36	1387.36	1387.36	1388.52	1388.52	1389.68
13.0	1372.28	1372.28	1372.28	1372.28	1373.44	1374.60	1374.60	1375.76	1375.76	1376.92
15.0	1354.88	1356.04	1356.04	1356.04	1357.20	1358.36	1359.52	1360.68	1360.68	1361.84
17.0	1335.16	1336.32	1336.32	1337.48	1338.64	1339.80	1340.96	1342.12	1343.28	1344.44
19.5	1306.16	1306.16	1307.32	1308.48	1309.64	1311.96	1314.28	1315.44	1316.60	1317.76
22.5	1260.92	1262.08	1263.24	1265.56	1267.88	1271.36	1273.68	1276.00	1278.32	1280.64
25.5	1205.24	1206.40	1208.72	1211.04	1215.68	1220.32	1224.96	1228.44	1231.92	1234.24
29.0	1121.72	1122.88	1126.36	1132.16	1139.12	1146.08	1153.04	1160.00	1164.64	1168.12
33.0	1001.08	1003.40	1009.20	1017.32	1028.92	1040.52	1052.12	1062.56	1070.68	1076.48
37.5	835.20	838.68	846.80	858.40	874.64	892.04	910.60	928.00	940.76	951.20
42.5	631.04	634.52	644.96	660.04	679.76	702.96	727.32	751.68	772.56	787.64
47.5	440.80	444.28	453.56	468.64	489.52	513.88	539.40	567.24	592.76	612.48
55.0	238.96	240.12	247.08	257.52	271.44	288.84	309.72	331.76	354.96	374.68
65.0	106.72	107.88	110.20	113.68	119.48	127.60	136.88	147.32	158.92	170.52
75.0	45.24	46.40	46.40	47.56	49.88	52.20	54.52	58.00	62.64	67.28
85.0	9.28	9.28	9.28	9.28	9.28	10.44	10.44	10.44	11.60	11.60
90.0	17.40	17.40	17.40	16.24	16.24	15.08	13.92	12.76	11.60	10.44
95.0	47.56	47.56	47.56	47.56	46.40	46.40	45.24	44.08	44.08	42.92
100.0	99.76	99.76	99.76	99.76	99.76	99.76	99.76	99.76	99.76	99.76
105.0	163.56	164.72	164.72	165.88	165.88	167.04	168.20	169.36	171.68	172.84
110.0	245.92	247.08	247.08	248.24	250.56	252.88	255.20	257.52	261.00	263.32
115.0	346.84	346.84	348.00	350.32	352.64	356.12	359.60	363.08	367.72	372.36
120.0	464.00	465.16	466.32	468.64	470.96	475.60	479.08	484.88	490.68	495.32
125.0	596.24	597.40	598.56	600.88	604.36	609.00	613.64	619.44	625.24	632.20
130.0	737.76	737.76	740.08	742.40	745.88	750.52	755.16	760.96	766.76	772.56
135.0	878.12	879.28	880.44	882.76	886.24	889.72	894.36	899.00	903.64	908.28
140.0	1010.36	1011.52	1012.68	1013.84	1016.16	1018.48	1021.96	1025.44	1028.92	1031.24
145.0	1126.36	1126.36	1126.36	1127.52	1128.68	1131.00	1132.16	1134.48	1135.64	1137.96
150.0	1220.32	1220.32	1220.32	1221.48	1221.48	1222.64	1223.80	1223.80	1224.96	1226.12
155.0	1294.56	1294.56	1295.72	1295.72	1295.72	1295.72	1296.88	1296.88	1298.04	1298.04
160.0	1353.72	1353.72	1353.72	1353.72	1354.88	1354.88	1356.04	1356.04	1356.04	1357.20
165.0	1398.96	1398.96	1398.96	1398.96	1398.96	1398.96	1398.96	1398.96	1400.12	1400.12
170.0	1430.28	1429.12	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28
175.0	1447.68	1447.68	1447.68	1447.68	1447.68	1448.84	1447.68	1448.84	1448.84	1448.84
180.0	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64

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>
0.0	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
1.0	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
3.0	1416.36	1416.36	1416.36	1416.36	1416.36	1416.36	1417.52	1417.52	1417.52
5.0	1412.88	1412.88	1412.88	1412.88	1412.88	1412.88	1412.88	1412.88	1412.88
7.0	1407.08	1407.08	1407.08	1407.08	1408.24	1408.24	1408.24	1408.24	1408.24
9.0	1398.96	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12
11.0	1389.68	1389.68	1389.68	1390.84	1390.84	1390.84	1390.84	1390.84	1390.84
13.0	1376.92	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1378.08	1379.24
15.0	1361.84	1363.00	1363.00	1364.16	1364.16	1364.16	1364.16	1364.16	1364.16

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CANDELA TABULATION - (Cont.)

17.0	1344.44	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60
19.5	1318.92	1318.92	1320.08	1320.08	1318.92	1318.92	1318.92	1318.92	1318.92
22.5	1280.64	1281.80	1281.80	1280.64	1280.64	1279.48	1278.32	1278.32	1278.32
25.5	1235.40	1235.40	1235.40	1234.24	1231.92	1230.76	1229.60	1228.44	1228.44
29.0	1170.44	1170.44	1169.28	1166.96	1164.64	1162.32	1160.00	1158.84	1158.84
33.0	1079.96	1079.96	1078.80	1075.32	1071.84	1067.20	1064.88	1062.56	1061.40
37.5	957.00	958.16	957.00	952.36	946.56	940.76	936.12	933.80	931.48
42.5	798.08	801.56	800.40	795.76	788.80	783.00	777.20	772.56	771.40
47.5	627.56	634.52	634.52	631.04	625.24	618.28	613.64	609.00	607.84
55.0	390.92	401.36	406.00	407.16	404.84	401.36	397.88	395.56	395.56
65.0	180.96	189.08	196.04	199.52	201.84	203.00	203.00	201.84	201.84
75.0	71.92	75.40	78.88	82.36	83.52	84.68	85.84	85.84	85.84
85.0	12.76	12.76	13.92	15.08	15.08	15.08	15.08	15.08	15.08
90.0	9.28	8.12	6.96	4.64	4.64	3.48	2.32	1.16	1.16
95.0	41.76	40.60	39.44	38.28	37.12	35.96	35.96	34.80	33.64
100.0	99.76	99.76	99.76	98.60	98.60	98.60	97.44	97.44	97.44
105.0	174.00	176.32	177.48	178.64	178.64	179.80	179.80	179.80	179.80
110.0	266.80	270.28	272.60	274.92	277.24	277.24	278.40	278.40	278.40
115.0	377.00	380.48	385.12	388.60	390.92	392.08	393.24	394.40	394.40
120.0	501.12	506.92	511.56	516.20	519.68	522.00	523.16	524.32	524.32
125.0	638.00	643.80	648.44	653.08	656.56	658.88	661.20	661.20	662.36
130.0	778.36	783.00	787.64	791.12	794.60	796.92	798.08	799.24	799.24
135.0	912.92	916.40	919.88	922.20	925.68	926.84	928.00	929.16	929.16
140.0	1034.72	1035.88	1038.20	1040.52	1042.84	1044.00	1045.16	1045.16	1046.32
145.0	1139.12	1140.28	1142.60	1143.76	1144.92	1144.92	1146.08	1147.24	1147.24
150.0	1227.28	1228.44	1229.60	1229.60	1230.76	1230.76	1231.92	1231.92	1231.92
155.0	1299.20	1300.36	1300.36	1300.36	1301.52	1301.52	1302.68	1302.68	1302.68
160.0	1357.20	1357.20	1357.20	1357.20	1357.20	1358.36	1358.36	1358.36	1358.36
165.0	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1400.12	1401.28	1401.28
170.0	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1430.28	1431.44	1431.44
175.0	1448.84	1448.84	1448.84	1448.84	1448.84	1448.84	1448.84	1448.84	1448.84
180.0	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64	1454.64

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	493.49	N.A.	7.60
0-30	1022.52	N.A.	15.70
0-40	1552.53	N.A.	23.80
0-60	2390.87	N.A.	36.70
0-80	2748.98	N.A.	42.20
0-90	2797.53	N.A.	43.00
10-90	2688.54	N.A.	41.30
20-40	1059.04	N.A.	16.30
20-50	1605.41	N.A.	24.70
40-70	1078.64	N.A.	16.60
60-80	358.11	N.A.	5.50
70-80	117.81	N.A.	1.80
80-90	48.55	N.A.	0.70
90-110	239.33	N.A.	3.70
90-120	610.87	N.A.	9.40
90-130	1175.79	N.A.	18.10
90-150	2582.47	N.A.	39.70
90-180	3713.14	N.A.	57.00
110-180	3473.81	N.A.	53.40
0-180	6510.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	108.99
10-20	384.50
20-30	529.03
30-40	530.01
40-50	546.37
50-60	291.97
60-70	240.30
70-80	117.81
80-90	48.55
90-100	52.64
100-110	186.69
110-120	371.54
120-130	564.92
130-140	697.19
140-150	709.50
150-160	597.96
160-170	395.01
170-180	137.69

IES INDOOR REPORT

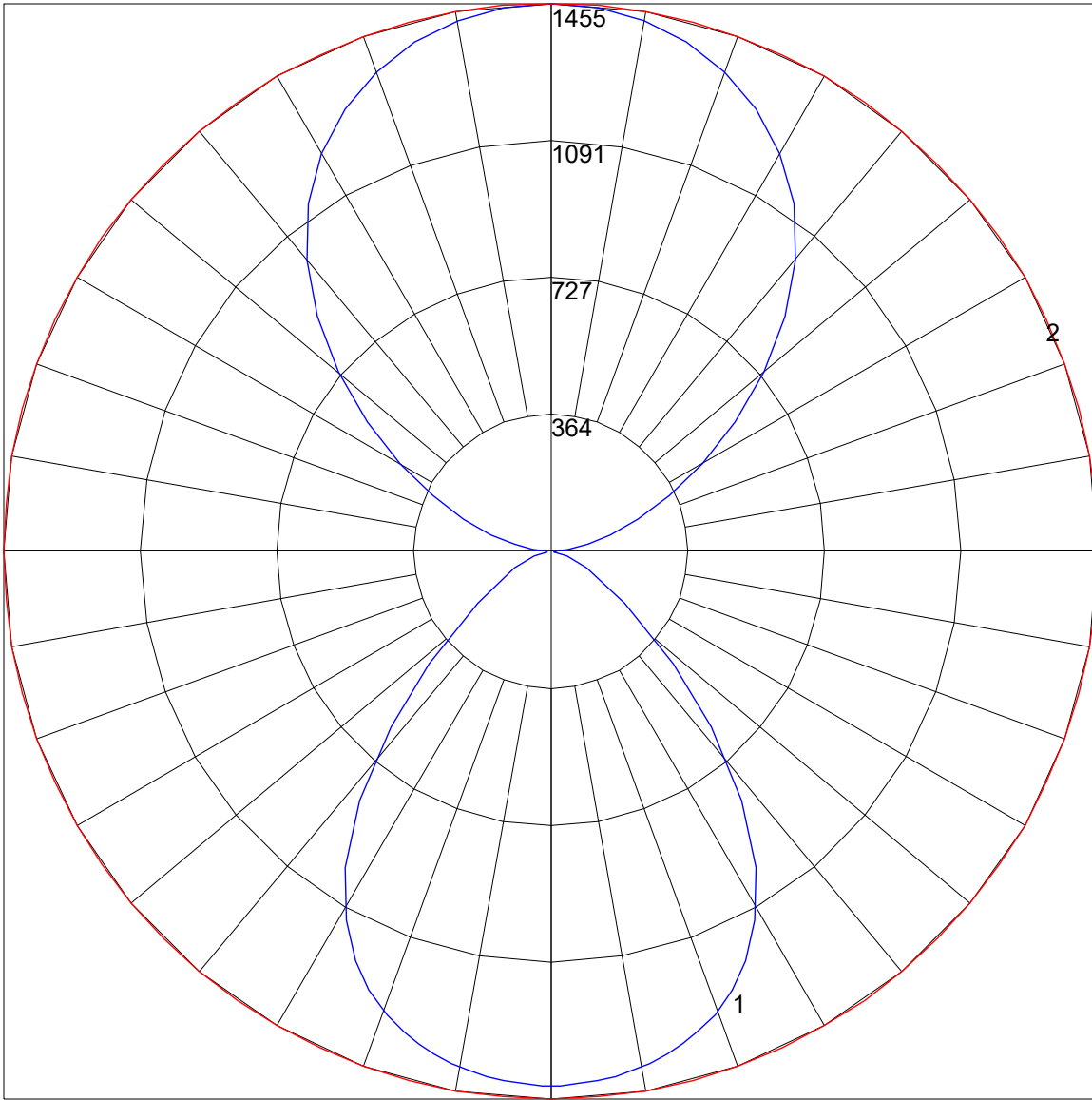
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_AL.IES

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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	76	71	81	75	70	66	62	59	56	51	48	46	40	38	37	32
3	81	72	65	60	74	66	60	55	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	52	47	49	45	41	41	37	34	32	30	28	24
5	68	57	50	44	62	53	46	41	45	39	36	37	33	30	29	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19
7	59	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	43	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

POLAR GRAPH



Maximum Candela = 1454.64 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.)