

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	117	121	123	126
Total Lumens, 4' rail length (1219mm)	5998	6187	6314	6440
Lumens per foot (305mm)	1499	1547	1578	1610
Lumens per foot UP (305mm)	865	893	911	929
Lumens per foot DOWN (305mm)	634	654	668	681
Input Power (W), 4' rail length (1219mm)	51.4	51.4	51.4	51.4
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_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805805R01 (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-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric lens 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	6314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	51.37
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	7388	9475	9032
55	3727	5858	6315
65	2127	3416	4549
75	1343	2018	3186
85	601	767	1632

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S7_AL.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>
0.0	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44
1.0	1430.28	1430.28	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44
3.0	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12
5.0	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48	1424.48
7.0	1417.52	1417.52	1417.52	1417.52	1417.52	1417.52	1417.52	1418.68	1418.68	1418.68
9.0	1408.24	1408.24	1408.24	1408.24	1408.24	1408.24	1409.40	1409.40	1409.40	1409.40
11.0	1396.64	1396.64	1396.64	1396.64	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80
13.0	1382.72	1382.72	1382.72	1382.72	1382.72	1383.88	1383.88	1383.88	1383.88	1385.04
15.0	1365.32	1365.32	1365.32	1366.48	1366.48	1366.48	1367.64	1367.64	1367.64	1367.64
17.0	1344.44	1344.44	1345.60	1345.60	1346.76	1346.76	1347.92	1347.92	1347.92	1347.92
19.5	1314.28	1314.28	1314.28	1315.44	1316.60	1317.76	1318.92	1318.92	1318.92	1318.92
22.5	1269.04	1269.04	1270.20	1271.36	1273.68	1274.84	1276.00	1277.16	1277.16	1276.00
25.5	1212.20	1212.20	1214.52	1216.84	1219.16	1222.64	1224.96	1226.12	1224.96	1223.80
29.0	1128.68	1129.84	1132.16	1136.80	1142.60	1147.24	1150.72	1153.04	1153.04	1150.72
33.0	1005.72	1008.04	1012.68	1020.80	1028.92	1038.20	1045.16	1050.96	1052.12	1050.96
37.5	834.04	836.36	844.48	856.08	871.16	886.24	900.16	910.60	916.40	916.40
42.5	620.60	624.08	633.36	648.44	669.32	690.20	711.08	728.48	740.08	745.88
47.5	423.40	426.88	436.16	451.24	470.96	494.16	517.36	540.56	557.96	568.40
55.0	220.40	222.72	228.52	238.96	252.88	269.12	287.68	306.24	323.64	337.56
65.0	97.44	98.60	100.92	104.40	109.04	116.00	124.12	133.40	142.68	150.80
75.0	41.76	41.76	41.76	42.92	45.24	47.56	49.88	52.20	55.68	59.16
85.0	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	10.44	10.44
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	32.48	32.48	32.48	33.64	33.64	33.64	33.64	34.80	34.80	34.80
100.0	87.00	87.00	87.00	87.00	88.16	89.32	89.32	90.48	91.64	92.80
105.0	153.12	153.12	154.28	155.44	156.60	158.92	160.08	162.40	164.72	167.04
110.0	236.64	237.80	237.80	240.12	241.28	244.76	247.08	250.56	254.04	257.52
115.0	336.40	336.40	338.72	339.88	343.36	345.68	350.32	354.96	359.60	364.24
120.0	451.24	451.24	453.56	455.88	458.20	462.84	467.48	472.12	477.92	483.72
125.0	578.84	580.00	581.16	583.48	586.96	591.60	596.24	602.04	609.00	615.96
130.0	715.72	715.72	718.04	720.36	723.84	728.48	733.12	740.08	745.88	752.84
135.0	852.60	853.76	854.92	857.24	860.72	865.36	870.00	875.80	880.44	886.24
140.0	984.84	984.84	986.00	988.32	990.64	994.12	997.60	1002.24	1005.72	1009.20
145.0	1102.00	1102.00	1103.16	1104.32	1105.48	1107.80	1110.12	1112.44	1114.76	1117.08
150.0	1199.44	1199.44	1200.60	1200.60	1201.76	1202.92	1204.08	1205.24	1206.40	1208.72
155.0	1278.32	1278.32	1278.32	1278.32	1279.48	1279.48	1280.64	1281.80	1282.96	1284.12
160.0	1339.80	1339.80	1339.80	1340.96	1340.96	1340.96	1342.12	1343.28	1343.28	1344.44
165.0	1387.36	1387.36	1388.52	1388.52	1388.52	1389.68	1389.68	1390.84	1392.00	1392.00
170.0	1424.48	1424.48	1424.48	1424.48	1425.64	1425.64	1425.64	1426.80	1426.80	1427.96
175.0	1448.84	1448.84	1448.84	1448.84	1448.84	1450.00	1450.00	1450.00	1450.00	1450.00
180.0	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12

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	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44
1.0	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44	1431.44
3.0	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12
5.0	1424.48	1424.48	1424.48	1424.48	1425.64	1425.64	1425.64	1425.64	1425.64
7.0	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68
9.0	1409.40	1409.40	1409.40	1409.40	1409.40	1409.40	1409.40	1409.40	1409.40
11.0	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80
13.0	1383.88	1383.88	1383.88	1383.88	1383.88	1382.72	1382.72	1382.72	1382.72
15.0	1367.64	1367.64	1366.48	1366.48	1365.32	1365.32	1365.32	1364.16	1364.16

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S7_AL.IES

CANDELA TABULATION - (Cont.)

17.0	1347.92	1346.76	1345.60	1345.60	1344.44	1343.28	1343.28	1342.12	1342.12
19.5	1317.76	1316.60	1315.44	1313.12	1311.96	1310.80	1308.48	1308.48	1307.32
22.5	1274.84	1271.36	1269.04	1265.56	1263.24	1260.92	1258.60	1257.44	1256.28
25.5	1221.48	1218.00	1213.36	1208.72	1204.08	1199.44	1197.12	1194.80	1193.64
29.0	1147.24	1141.44	1134.48	1127.52	1120.56	1114.76	1110.12	1107.80	1106.64
33.0	1045.16	1037.04	1027.76	1017.32	1008.04	999.92	992.96	989.48	988.32
37.5	910.60	901.32	888.56	876.96	864.20	853.76	845.64	841.00	839.84
42.5	742.40	734.28	722.68	709.92	697.16	686.72	678.60	672.80	670.48
47.5	570.72	567.24	559.12	548.68	539.40	530.12	523.16	519.68	517.36
55.0	346.84	351.48	352.64	350.32	346.84	343.36	339.88	338.72	337.56
65.0	160.08	167.04	171.68	176.32	178.64	179.80	179.80	179.80	179.80
75.0	63.80	67.28	70.76	73.08	75.40	76.56	77.72	77.72	77.72
85.0	11.60	11.60	12.76	12.76	13.92	13.92	13.92	13.92	13.92
90.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95.0	34.80	34.80	35.96	35.96	34.80	34.80	34.80	34.80	34.80
100.0	93.96	95.12	96.28	97.44	97.44	98.60	98.60	98.60	98.60
105.0	169.36	171.68	174.00	176.32	178.64	179.80	179.80	180.96	180.96
110.0	262.16	265.64	269.12	272.60	274.92	277.24	278.40	279.56	279.56
115.0	368.88	374.68	378.16	382.80	386.28	388.60	390.92	392.08	392.08
120.0	490.68	496.48	501.12	505.76	510.40	512.72	516.20	517.36	518.52
125.0	621.76	628.72	634.52	639.16	642.64	646.12	649.60	651.92	653.08
130.0	758.64	764.44	769.08	773.72	778.36	781.84	785.32	787.64	788.80
135.0	892.04	895.52	900.16	903.64	907.12	910.60	915.24	917.56	918.72
140.0	1012.68	1016.16	1019.64	1023.12	1025.44	1028.92	1033.56	1035.88	1037.04
145.0	1119.40	1121.72	1125.20	1127.52	1131.00	1134.48	1136.80	1139.12	1140.28
150.0	1209.88	1212.20	1214.52	1216.84	1219.16	1222.64	1224.96	1227.28	1228.44
155.0	1285.28	1287.60	1288.76	1291.08	1293.40	1295.72	1298.04	1300.36	1300.36
160.0	1346.76	1347.92	1350.24	1351.40	1353.72	1354.88	1357.20	1358.36	1358.36
165.0	1393.16	1395.48	1396.64	1397.80	1398.96	1400.12	1401.28	1402.44	1402.44
170.0	1429.12	1430.28	1430.28	1431.44	1432.60	1432.60	1432.60	1433.76	1433.76
175.0	1451.16	1451.16	1451.16	1451.16	1451.16	1452.32	1452.32	1452.32	1452.32
180.0	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12	1458.12

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S7_AL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	495.85	N.A.	7.90
0-30	1020.56	N.A.	16.20
0-40	1534.6	N.A.	24.30
0-60	2309.05	N.A.	36.60
0-80	2628.69	N.A.	41.60
0-90	2670.43	N.A.	42.30
10-90	2560.55	N.A.	40.60
20-40	1038.74	N.A.	16.50
20-50	1549.53	N.A.	24.50
40-70	988.60	N.A.	15.70
60-80	319.64	N.A.	5.10
70-80	105.49	N.A.	1.70
80-90	41.74	N.A.	0.70
90-110	225.10	N.A.	3.60
90-120	589.12	N.A.	9.30
90-130	1140.56	N.A.	18.10
90-150	2520.00	N.A.	39.90
90-180	3643.22	N.A.	57.70
110-180	3418.12	N.A.	54.10
0-180	6313.65	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	109.88
10-20	385.97
20-30	524.71
30-40	514.03
40-50	510.79
50-60	263.66
60-70	214.15
70-80	105.49
80-90	41.74
90-100	44.29
100-110	180.81
110-120	364.01
120-130	551.44
130-140	681.47
140-150	697.97
150-160	592.16
160-170	393.29
170-180	137.76

IES INDOOR REPORT

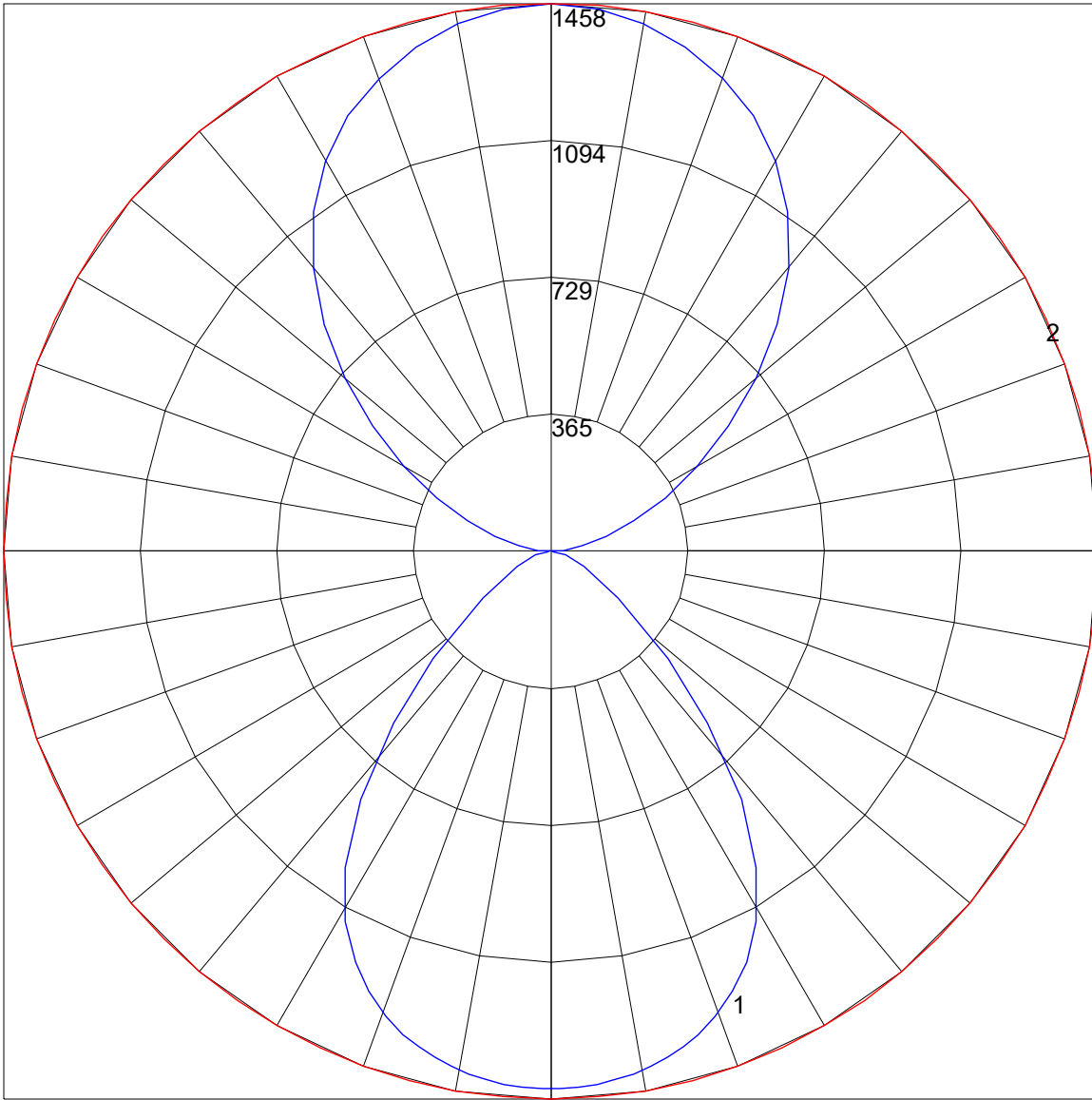
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U1S7_AL.IES

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	63	63	63	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	42	37
2	88	81	76	71	81	75	70	66	62	59	56	50	48	46	40	38	37	32
3	81	72	65	60	74	66	60	56	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	53	48	50	45	41	41	37	34	32	30	28	24
5	69	58	50	44	63	53	46	41	45	40	36	37	33	30	29	27	25	22
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	35	30	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

POLAR GRAPH



Maximum Candela = 1458.12 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.)