

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	95	98	100	100
Total Lumens, 4' rail length (1219mm)	4946	5102	5206	5206
Lumens per foot (305mm)	1237	1276	1302	1302
Lumens per foot UP (305mm)	945	975	995	995
Lumens per foot DOWN (305mm)	291	301	307	307
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

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_U2S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911554 (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-U2S1-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edge glow up/40°

[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	5206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
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	1092	2329	5106
55	511	1087	2483
65	269	584	1213
75	181	306	686
85	74	166	392

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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	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48
1.0	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32
3.0	1155.36	1155.36	1155.36	1156.52	1156.52	1156.52	1157.68	1157.68	1157.68	1158.84
5.0	1134.48	1134.48	1135.64	1136.80	1136.80	1139.12	1140.28	1141.44	1143.76	1146.08
7.0	1104.32	1104.32	1105.48	1107.80	1108.96	1112.44	1115.92	1119.40	1122.88	1126.36
9.0	1061.40	1061.40	1063.72	1066.04	1069.52	1074.16	1079.96	1085.76	1092.72	1099.68
11.0	1009.20	1010.36	1012.68	1016.16	1021.96	1028.92	1037.04	1046.32	1055.60	1066.04
13.0	948.88	950.04	953.52	958.16	966.28	975.56	987.16	998.76	1012.68	1026.60
15.0	879.28	881.60	885.08	893.20	902.48	915.24	929.16	945.40	962.80	980.20
17.0	806.20	807.36	813.16	822.44	834.04	849.12	866.52	886.24	907.12	928.00
19.5	707.60	709.92	715.72	727.32	741.24	759.80	780.68	803.88	830.56	857.24
22.5	589.28	591.60	599.72	611.32	627.56	648.44	672.80	701.80	733.12	765.60
25.5	475.60	479.08	486.04	498.80	516.20	538.24	564.92	596.24	631.04	667.00
29.0	359.60	361.92	368.88	381.64	397.88	419.92	446.60	477.92	513.88	553.32
33.0	251.72	252.88	259.84	270.28	285.36	305.08	329.44	358.44	392.08	429.20
37.5	162.40	164.72	169.36	177.48	189.08	204.16	223.88	248.24	276.08	308.56
42.5	98.60	99.76	103.24	109.04	117.16	127.60	141.52	158.92	179.80	204.16
47.5	61.48	61.48	63.80	67.28	73.08	80.04	89.32	100.92	114.84	131.08
55.0	31.32	31.32	32.48	33.64	37.12	40.60	44.08	49.88	58.00	64.96
65.0	12.76	13.92	13.92	15.08	15.08	17.40	18.56	20.88	23.20	26.68
75.0	5.80	5.80	5.80	5.80	5.80	6.96	6.96	8.12	9.28	9.28
85.0	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	2.32
90.0	24.36	24.36	23.20	23.20	22.04	20.88	19.72	18.56	16.24	15.08
95.0	55.68	55.68	54.52	54.52	54.52	53.36	52.20	51.04	49.88	48.72
100.0	102.08	102.08	102.08	103.24	104.40	105.56	106.72	109.04	111.36	112.52
105.0	176.32	177.48	178.64	179.80	180.96	183.28	186.76	189.08	191.40	193.72
110.0	269.12	269.12	270.28	272.60	274.92	277.24	280.72	284.20	287.68	291.16
115.0	378.16	379.32	380.48	382.80	385.12	389.76	394.40	399.04	406.00	412.96
120.0	509.24	510.40	511.56	515.04	519.68	524.32	530.12	537.08	542.88	548.68
125.0	660.04	660.04	662.36	664.68	669.32	672.80	678.60	683.24	687.88	693.68
130.0	812.00	812.00	813.16	815.48	817.80	821.28	824.76	829.40	832.88	837.52
135.0	953.52	954.68	954.68	957.00	958.16	961.64	963.96	967.44	970.92	974.40
140.0	1081.12	1081.12	1082.28	1083.44	1084.60	1086.92	1089.24	1091.56	1093.88	1096.20
145.0	1190.16	1191.32	1191.32	1192.48	1193.64	1194.80	1195.96	1198.28	1200.60	1201.76
150.0	1282.96	1282.96	1282.96	1284.12	1285.28	1285.28	1286.44	1287.60	1289.92	1291.08
155.0	1358.36	1358.36	1358.36	1358.36	1359.52	1359.52	1360.68	1360.68	1363.00	1363.00
160.0	1417.52	1417.52	1417.52	1417.52	1417.52	1418.68	1418.68	1419.84	1419.84	1421.00
165.0	1461.60	1461.60	1461.60	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1463.92
170.0	1492.92	1492.92	1492.92	1492.92	1492.92	1492.92	1492.92	1492.92	1492.92	1492.92
175.0	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32
180.0	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96

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	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48	1163.48
1.0	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32	1162.32
3.0	1158.84	1160.00	1160.00	1161.16	1161.16	1161.16	1161.16	1162.32	1161.16
5.0	1147.24	1149.56	1150.72	1153.04	1154.20	1155.36	1155.36	1156.52	1156.52
7.0	1129.84	1134.48	1137.96	1141.44	1143.76	1146.08	1148.40	1148.40	1149.56
9.0	1105.48	1112.44	1118.24	1124.04	1128.68	1133.32	1135.64	1137.96	1137.96
11.0	1076.48	1085.76	1095.04	1103.16	1110.12	1117.08	1120.56	1124.04	1124.04
13.0	1040.52	1053.28	1066.04	1077.64	1088.08	1096.20	1102.00	1105.48	1107.80
15.0	997.60	1016.16	1032.40	1047.48	1060.24	1071.84	1079.96	1084.60	1085.76

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CANDELA TABULATION - (Cont.)

17.0	951.20	973.24	994.12	1013.84	1030.08	1042.84	1053.28	1060.24	1061.40
19.5	885.08	912.92	939.60	962.80	983.68	1002.24	1015.00	1021.96	1025.44
22.5	799.24	832.88	865.36	895.52	922.20	944.24	960.48	969.76	973.24
25.5	706.44	745.88	783.00	818.96	849.12	874.64	894.36	905.96	909.44
29.0	595.08	638.00	679.76	720.36	755.16	784.16	806.20	820.12	824.76
33.0	472.12	515.04	557.96	600.88	636.84	668.16	691.36	706.44	711.08
37.5	346.84	386.28	425.72	465.16	499.96	530.12	552.16	567.24	571.88
42.5	233.16	263.32	295.80	328.28	356.12	381.64	400.20	411.80	416.44
47.5	150.80	172.84	194.88	218.08	237.80	256.36	270.28	278.40	281.88
55.0	75.40	85.84	96.28	106.72	117.16	126.44	132.24	136.88	138.04
65.0	29.00	33.64	37.12	40.60	42.92	46.40	48.72	49.88	49.88
75.0	10.44	11.60	12.76	13.92	15.08	16.24	17.40	17.40	17.40
85.0	2.32	2.32	2.32	2.32	2.32	3.48	3.48	3.48	3.48
90.0	12.76	11.60	9.28	8.12	5.80	4.64	3.48	2.32	2.32
95.0	47.56	46.40	46.40	46.40	45.24	44.08	44.08	44.08	42.92
100.0	113.68	113.68	113.68	113.68	113.68	114.84	113.68	113.68	113.68
105.0	194.88	196.04	198.36	201.84	203.00	203.00	203.00	203.00	203.00
110.0	295.80	301.60	305.08	308.56	309.72	310.88	310.88	310.88	310.88
115.0	418.76	423.40	426.88	429.20	431.52	433.84	435.00	435.00	435.00
120.0	554.48	559.12	562.60	566.08	569.56	571.88	573.04	574.20	574.20
125.0	698.32	701.80	706.44	709.92	712.24	714.56	716.88	718.04	718.04
130.0	842.16	845.64	849.12	852.60	856.08	858.40	859.56	860.72	861.88
135.0	977.88	980.20	983.68	987.16	989.48	990.64	992.96	992.96	994.12
140.0	1098.52	1102.00	1104.32	1106.64	1108.96	1110.12	1111.28	1111.28	1111.28
145.0	1204.08	1205.24	1207.56	1208.72	1211.04	1212.20	1212.20	1213.36	1213.36
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	1421.00	1422.16	1422.16	1422.16	1423.32	1423.32	1423.32	1423.32
165.0	1463.92	1463.92	1463.92	1463.92	1465.08	1465.08	1465.08	1465.08	1465.08
170.0	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08
175.0	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32	1510.32
180.0	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96	1514.96

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S1_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	364.70	N.A.	7.00
0-30	668.48	N.A.	12.80
0-40	897.94	N.A.	17.20
0-60	1145.54	N.A.	22.00
0-80	1215.45	N.A.	23.30
0-90	1226.65	N.A.	23.60
10-90	1139.01	N.A.	21.90
20-40	533.25	N.A.	10.20
20-50	708.08	N.A.	13.60
40-70	297.08	N.A.	5.70
60-80	69.91	N.A.	1.30
70-80	20.43	N.A.	0.40
80-90	11.20	N.A.	0.20
90-110	267.73	N.A.	5.10
90-120	677.33	N.A.	13.00
90-130	1295.34	N.A.	24.90
90-150	2795.22	N.A.	53.70
90-180	3979.68	N.A.	76.40
110-180	3711.96	N.A.	71.30
0-180	5206.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.64
10-20	277.06
20-30	303.79
30-40	229.46
40-50	174.84
50-60	72.76
60-70	49.48
70-80	20.43
80-90	11.20
90-100	60.61
100-110	207.12
110-120	409.61
120-130	618.01
130-140	749.31
140-150	750.57
150-160	627.76
160-170	413.08
170-180	143.62

IES INDOOR REPORT

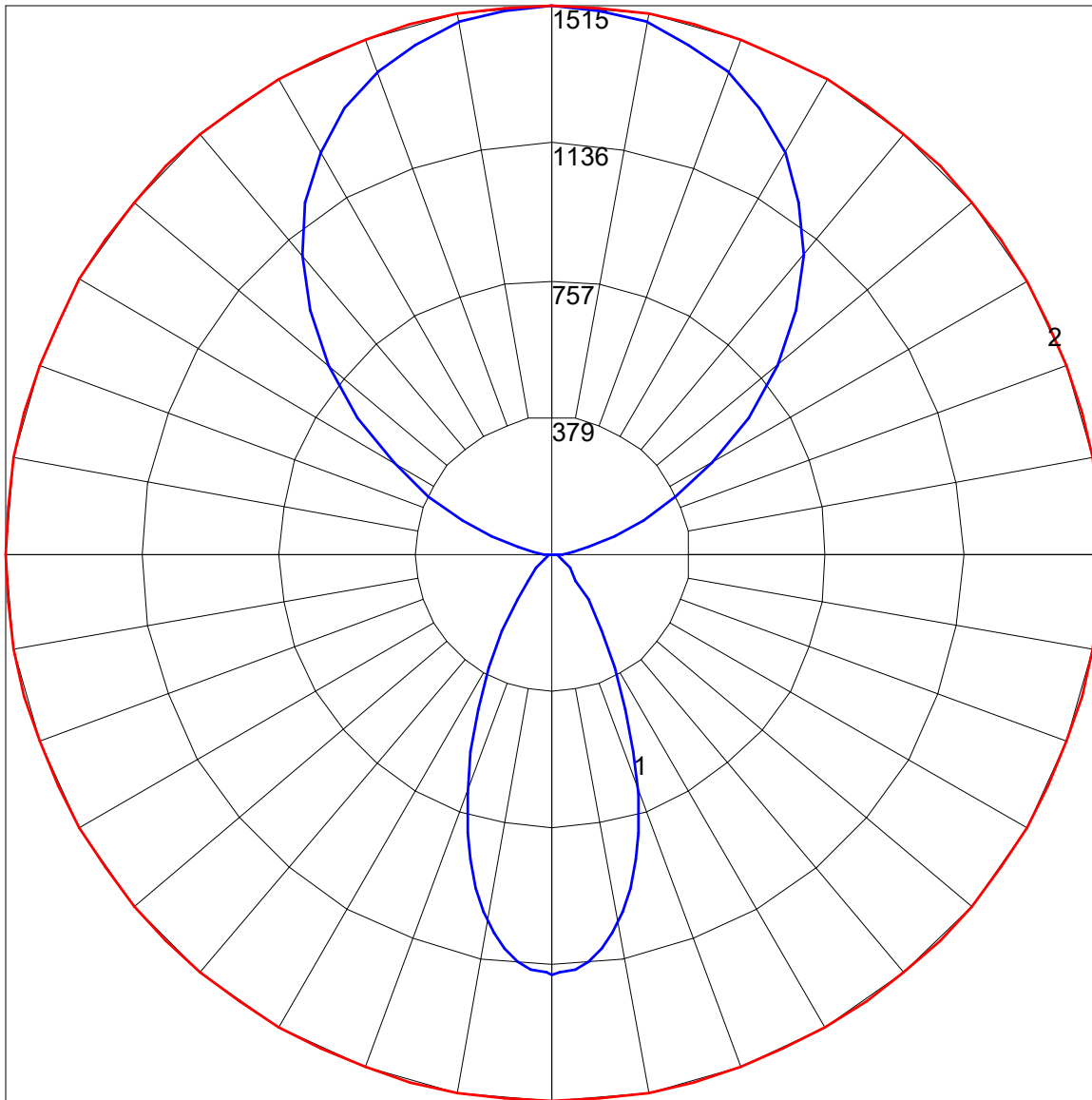
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S1_BL.IES

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	101	101	101	101	90	90	90	90	69	69	69	49	49	49	32	32	32	24
1	93	89	85	82	82	79	76	74	61	59	58	44	43	42	29	29	28	21
2	85	78	73	68	75	70	66	62	54	51	49	40	38	37	27	26	25	19
3	78	70	63	58	69	62	57	52	49	45	42	36	34	32	24	23	22	17
4	72	62	55	50	64	56	50	45	44	40	37	33	30	28	22	21	20	16
5	66	56	48	43	59	50	44	39	40	35	32	30	27	25	21	19	18	14
6	61	50	43	38	54	45	39	35	36	32	28	27	24	22	19	18	16	13
7	57	45	38	33	50	41	35	31	33	28	25	25	22	20	18	16	15	12
8	53	41	34	30	47	38	31	27	30	26	23	23	20	18	17	15	14	11
9	49	38	31	26	44	34	29	24	28	23	20	21	19	17	15	14	13	10
10	46	35	28	24	41	32	26	22	26	21	19	20	17	15	14	13	12	10

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.)