

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	107	110	112	114
Total Lumens, 4' rail length (1219mm)	5464	5636	5751	5866
Lumens per foot (305mm)	1366	1409	1438	1467
Lumens per foot UP (305mm)	844	870	888	906
Lumens per foot DOWN (305mm)	522	539	550	561
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_U2S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805812 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED FROM NVLAP ACCREDITED LAB
[ISSUEDATE] 4/12/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-CC-Z-SO-35-U2S7-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/80° 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	5751
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	51.48
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	6362	7819	7154
55	2962	4428	4015
65	1342	2207	2231
75	634	1108	1331
85	225	426	680

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_BLI.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	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00
1.0	1274.84	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00
3.0	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68
5.0	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04
7.0	1262.08	1262.08	1262.08	1262.08	1262.08	1262.08	1262.08	1262.08	1262.08	1262.08
9.0	1252.80	1252.80	1252.80	1252.80	1252.80	1252.80	1252.80	1252.80	1252.80	1251.64
11.0	1241.20	1241.20	1241.20	1241.20	1241.20	1241.20	1241.20	1240.04	1241.20	1240.04
13.0	1226.12	1227.28	1226.12	1226.12	1226.12	1226.12	1226.12	1226.12	1226.12	1226.12
15.0	1209.88	1209.88	1209.88	1209.88	1209.88	1209.88	1209.88	1208.72	1208.72	1208.72
17.0	1190.16	1190.16	1190.16	1190.16	1190.16	1190.16	1190.16	1189.00	1189.00	1189.00
19.5	1160.00	1160.00	1160.00	1160.00	1160.00	1161.16	1161.16	1161.16	1160.00	1158.84
22.5	1114.76	1115.92	1115.92	1117.08	1118.24	1118.24	1118.24	1118.24	1118.24	1117.08
25.5	1060.24	1061.40	1061.40	1063.72	1064.88	1067.20	1068.36	1068.36	1068.36	1067.20
29.0	981.36	982.52	984.84	987.16	990.64	994.12	996.44	998.76	998.76	997.60
33.0	871.16	872.32	874.64	880.44	887.40	893.20	899.00	902.48	903.64	903.64
37.5	720.36	721.52	727.32	735.44	744.72	756.32	765.60	773.72	778.36	778.36
42.5	535.92	538.24	545.20	555.64	569.56	584.64	598.56	610.16	619.44	622.92
47.5	363.08	365.40	372.36	382.80	396.72	412.96	429.20	444.28	455.88	461.68
55.0	175.16	176.32	180.96	189.08	198.36	211.12	223.88	236.64	248.24	255.20
65.0	61.48	61.48	63.80	66.12	69.60	75.40	81.20	87.00	92.80	97.44
75.0	19.72	20.88	20.88	22.04	23.20	24.36	26.68	27.84	30.16	32.48
85.0	3.48	3.48	3.48	3.48	4.64	4.64	4.64	4.64	4.64	5.80
90.0	15.08	15.08	13.92	13.92	13.92	12.76	11.60	10.44	9.28	8.12
95.0	44.08	44.08	44.08	44.08	42.92	42.92	41.76	41.76	40.60	39.44
100.0	91.64	91.64	92.80	92.80	92.80	92.80	92.80	92.80	92.80	93.96
105.0	153.12	153.12	154.28	154.28	155.44	156.60	157.76	160.08	161.24	163.56
110.0	230.84	230.84	232.00	233.16	235.48	237.80	240.12	243.60	247.08	250.56
115.0	325.96	327.12	328.28	329.44	332.92	335.24	339.88	343.36	349.16	353.80
120.0	438.48	439.64	440.80	443.12	446.60	450.08	454.72	460.52	466.32	473.28
125.0	566.08	567.24	568.40	571.88	575.36	580.00	584.64	590.44	597.40	603.20
130.0	702.96	702.96	705.28	707.60	711.08	715.72	721.52	727.32	733.12	738.92
135.0	839.84	841.00	842.16	844.48	847.96	851.44	856.08	860.72	866.52	871.16
140.0	969.76	969.76	970.92	972.08	974.40	977.88	980.20	983.68	986.00	989.48
145.0	1079.96	1079.96	1081.12	1082.28	1083.44	1084.60	1085.76	1088.08	1089.24	1091.56
150.0	1170.44	1170.44	1171.60	1171.60	1172.76	1172.76	1173.92	1173.92	1175.08	1176.24
155.0	1242.36	1242.36	1242.36	1242.36	1242.36	1243.52	1243.52	1244.68	1245.84	1245.84
160.0	1299.20	1299.20	1299.20	1299.20	1300.36	1300.36	1300.36	1301.52	1301.52	1302.68
165.0	1343.28	1343.28	1343.28	1343.28	1343.28	1343.28	1344.44	1344.44	1344.44	1344.44
170.0	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44
175.0	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1390.84	1389.68	1389.68
180.0	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48

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	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00
1.0	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00	1274.84
3.0	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68	1273.68
5.0	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04
7.0	1262.08	1262.08	1260.92	1260.92	1260.92	1260.92	1260.92	1260.92	1260.92
9.0	1251.64	1251.64	1251.64	1251.64	1251.64	1251.64	1251.64	1251.64	1251.64
11.0	1240.04	1240.04	1238.88	1238.88	1238.88	1238.88	1238.88	1238.88	1237.72
13.0	1224.96	1224.96	1224.96	1223.80	1223.80	1223.80	1223.80	1222.64	1222.64
15.0	1207.56	1206.40	1206.40	1205.24	1205.24	1204.08	1204.08	1204.08	1204.08

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_BL.IES

CANDELA TABULATION - (Cont.)

17.0	1186.68	1186.68	1185.52	1184.36	1183.20	1182.04	1180.88	1180.88	1180.88
19.5	1157.68	1156.52	1154.20	1153.04	1151.88	1149.56	1149.56	1148.40	1148.40
22.5	1114.76	1112.44	1110.12	1107.80	1104.32	1103.16	1100.84	1099.68	1099.68
25.5	1064.88	1061.40	1056.76	1053.28	1048.64	1046.32	1042.84	1041.68	1041.68
29.0	994.12	989.48	983.68	977.88	972.08	967.44	963.96	961.64	960.48
33.0	899.00	893.20	885.08	876.96	868.84	860.72	856.08	852.60	851.44
37.5	774.88	766.76	757.48	745.88	734.28	725.00	718.04	713.40	711.08
42.5	619.44	611.32	600.88	586.96	574.20	563.76	554.48	548.68	547.52
47.5	461.68	454.72	444.28	431.52	419.92	408.32	400.20	394.40	393.24
55.0	257.52	255.20	249.40	241.28	233.16	225.04	219.24	215.76	214.60
65.0	99.76	99.76	99.76	97.44	95.12	91.64	89.32	88.16	88.16
75.0	33.64	34.80	34.80	34.80	33.64	33.64	33.64	32.48	32.48
85.0	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80
90.0	6.96	5.80	5.80	4.64	3.48	2.32	2.32	1.16	1.16
95.0	38.28	38.28	37.12	35.96	35.96	34.80	33.64	33.64	32.48
100.0	93.96	93.96	93.96	93.96	93.96	93.96	93.96	93.96	92.80
105.0	164.72	167.04	168.20	170.52	170.52	171.68	171.68	171.68	171.68
110.0	254.04	257.52	259.84	262.16	264.48	265.64	266.80	266.80	266.80
115.0	358.44	363.08	367.72	371.20	374.68	375.84	377.00	378.16	378.16
120.0	479.08	484.88	489.52	494.16	497.64	499.96	501.12	502.28	502.28
125.0	610.16	615.96	621.76	625.24	628.72	632.20	633.36	634.52	635.68
130.0	745.88	750.52	755.16	758.64	762.12	764.44	765.60	766.76	767.92
135.0	874.64	879.28	881.60	885.08	887.40	889.72	890.88	890.88	892.04
140.0	991.80	994.12	996.44	998.76	999.92	1001.08	1002.24	1003.40	1003.40
145.0	1092.72	1093.88	1096.20	1097.36	1098.52	1098.52	1099.68	1099.68	1099.68
150.0	1177.40	1178.56	1179.72	1180.88	1180.88	1180.88	1182.04	1182.04	1182.04
155.0	1247.00	1248.16	1248.16	1249.32	1249.32	1249.32	1249.32	1249.32	1249.32
160.0	1302.68	1302.68	1302.68	1302.68	1302.68	1302.68	1303.84	1303.84	1303.84
165.0	1344.44	1344.44	1344.44	1344.44	1344.44	1344.44	1344.44	1344.44	1344.44
170.0	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44	1373.44
175.0	1389.68	1390.84	1389.68	1389.68	1390.84	1390.84	1390.84	1390.84	1390.84
180.0	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48	1395.48

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	438.96	N.A.	7.60
0-30	897.37	N.A.	15.60
0-40	1339.85	N.A.	23.30
0-60	1972.13	N.A.	34.30
0-80	2176.94	N.A.	37.90
0-90	2199.07	N.A.	38.20
10-90	2101.27	N.A.	36.50
20-40	900.89	N.A.	15.70
20-50	1327.96	N.A.	23.10
40-70	778.30	N.A.	13.50
60-80	204.81	N.A.	3.60
70-80	58.80	N.A.	1.00
80-90	22.12	N.A.	0.40
90-110	225.57	N.A.	3.90
90-120	578.84	N.A.	10.10
90-130	1118.36	N.A.	19.40
90-150	2466.99	N.A.	42.90
90-180	3552.18	N.A.	61.80
110-180	3326.6	N.A.	57.80
0-180	5751.24	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.80
10-20	341.16
20-30	458.41
30-40	442.48
40-50	427.07
50-60	205.21
60-70	146.01
70-80	58.80
80-90	22.12
90-100	49.07
100-110	176.50
110-120	353.26
120-130	539.53
130-140	668.00
140-150	680.62
150-160	573.78
160-170	379.25
170-180	132.16

IES INDOOR REPORT

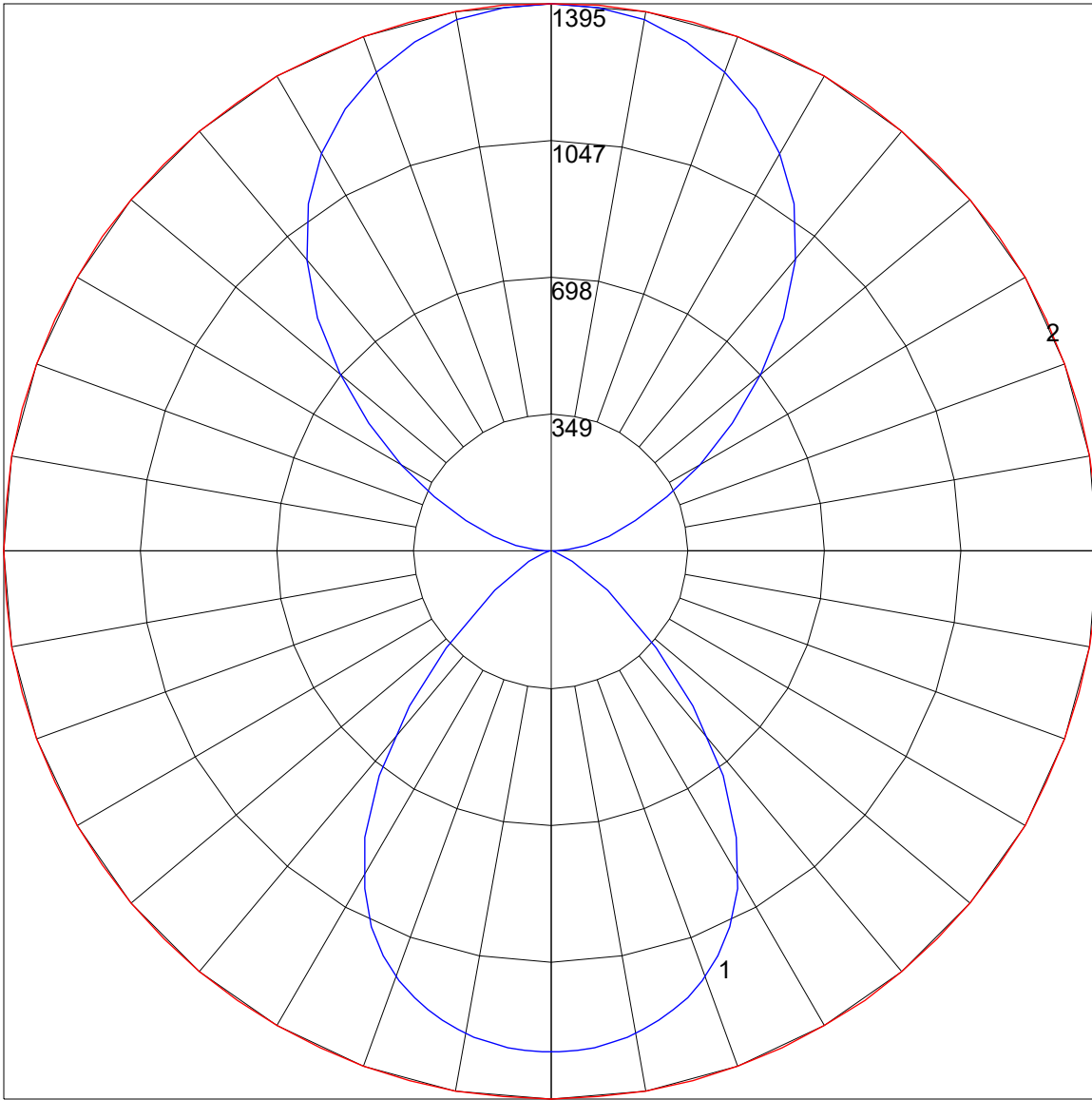
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_BLI.IES

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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	92	88	85	87	84	81	78	68	66	64	54	53	52	41	40	40	34
2	88	81	76	71	80	74	69	65	61	57	55	48	46	44	37	36	35	29
3	81	72	65	60	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	48	49	44	40	39	36	34	31	28	27	23
5	68	58	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	29	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	26	30	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

POLAR GRAPH



Maximum Candela = 1395.48 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.)