

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	96	99	101	103
Total Lumens, 4' rail length (1219mm)	4881	5035	5138	5241
Lumens per foot (305mm)	1220	1259	1285	1310
Lumens per foot UP (305mm)	846	873	891	909
Lumens per foot DOWN (305mm)	374	386	394	402
Input Power (W), 4' rail length (1219mm)	51.2	51.2	51.2	51.2
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_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805810 (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-U2S2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/60° 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	5138
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	51.23
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	1888	3721	6880
55	863	1832	3733
65	456	946	1996
75	261	514	1141
85	150	256	544

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	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52
1.0	1271.36	1271.36	1271.36	1271.36	1271.36	1271.36	1271.36	1271.36	1271.36	1271.36
3.0	1264.40	1264.40	1264.40	1264.40	1264.40	1265.56	1265.56	1265.56	1265.56	1266.72
5.0	1249.32	1249.32	1250.48	1250.48	1251.64	1252.80	1253.96	1255.12	1256.28	1257.44
7.0	1227.28	1227.28	1228.44	1229.60	1230.76	1233.08	1234.24	1236.56	1240.04	1242.36
9.0	1197.12	1198.28	1199.44	1200.60	1202.92	1206.40	1209.88	1214.52	1218.00	1222.64
11.0	1158.84	1158.84	1161.16	1163.48	1168.12	1172.76	1178.56	1184.36	1191.32	1197.12
13.0	1111.28	1112.44	1114.76	1119.40	1125.20	1132.16	1139.12	1148.40	1157.68	1166.96
15.0	1056.76	1057.92	1061.40	1067.20	1074.16	1083.44	1093.88	1106.64	1118.24	1131.00
17.0	992.96	994.12	998.76	1005.72	1016.16	1027.76	1041.68	1056.76	1073.00	1088.08
19.5	904.80	907.12	912.92	922.20	933.80	950.04	967.44	987.16	1008.04	1028.92
22.5	787.64	791.12	798.08	809.68	824.76	844.48	866.52	892.04	918.72	944.24
25.5	667.00	669.32	677.44	690.20	708.76	730.80	757.48	786.48	818.96	852.60
29.0	528.96	531.28	540.56	554.48	573.04	597.40	626.40	660.04	697.16	735.44
33.0	388.60	390.92	399.04	412.96	431.52	454.72	483.72	518.52	556.80	597.40
37.5	263.32	265.64	271.44	283.04	299.28	320.16	344.52	375.84	411.80	450.08
42.5	164.72	165.88	171.68	179.80	191.40	206.48	226.20	250.56	279.56	310.88
47.5	102.08	103.24	106.72	112.52	120.64	131.08	145.00	161.24	182.12	205.32
55.0	51.04	51.04	53.36	55.68	60.32	66.12	73.08	82.36	92.80	105.56
65.0	20.88	20.88	22.04	23.20	24.36	26.68	29.00	33.64	37.12	41.76
75.0	8.12	8.12	8.12	9.28	9.28	10.44	11.60	12.76	13.92	15.08
85.0	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	3.48	3.48
90.0	15.08	15.08	13.92	13.92	13.92	12.76	11.60	10.44	9.28	8.12
95.0	45.24	45.24	44.08	44.08	44.08	42.92	42.92	41.76	40.60	40.60
100.0	91.64	92.80	92.80	92.80	92.80	92.80	92.80	93.96	93.96	95.12
105.0	153.12	153.12	154.28	154.28	155.44	156.60	158.92	161.24	162.40	164.72
110.0	230.84	230.84	232.00	233.16	235.48	237.80	241.28	244.76	248.24	251.72
115.0	327.12	327.12	328.28	330.60	332.92	336.40	339.88	345.68	350.32	356.12
120.0	439.64	440.80	441.96	444.28	447.76	452.40	457.04	462.84	468.64	475.60
125.0	568.40	568.40	570.72	573.04	576.52	582.32	586.96	593.92	599.72	606.68
130.0	705.28	706.44	707.60	711.08	714.56	719.20	725.00	730.80	736.60	742.40
135.0	843.32	844.48	845.64	847.96	851.44	856.08	859.56	864.20	868.84	873.48
140.0	972.08	972.08	973.24	975.56	977.88	980.20	982.52	986.00	988.32	991.80
145.0	1082.28	1082.28	1083.44	1084.60	1085.76	1086.92	1088.08	1089.24	1091.56	1092.72
150.0	1172.76	1172.76	1172.76	1172.76	1173.92	1173.92	1175.08	1176.24	1176.24	1177.40
155.0	1243.52	1243.52	1243.52	1243.52	1244.68	1244.68	1244.68	1245.84	1247.00	1247.00
160.0	1300.36	1300.36	1300.36	1300.36	1301.52	1301.52	1301.52	1302.68	1302.68	1303.84
165.0	1344.44	1344.44	1344.44	1344.44	1344.44	1344.44	1345.60	1345.60	1345.60	1345.60
170.0	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60
175.0	1390.84	1390.84	1390.84	1392.00	1390.84	1392.00	1392.00	1392.00	1392.00	1392.00
180.0	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80

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	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52	1272.52
1.0	1271.36	1271.36	1271.36	1271.36	1271.36	1272.52	1271.36	1271.36	1272.52
3.0	1266.72	1267.88	1267.88	1269.04	1269.04	1269.04	1269.04	1269.04	1269.04
5.0	1258.60	1259.76	1260.92	1262.08	1262.08	1263.24	1264.40	1264.40	1264.40
7.0	1244.68	1247.00	1249.32	1251.64	1253.96	1255.12	1256.28	1257.44	1257.44
9.0	1227.28	1230.76	1235.40	1238.88	1241.20	1243.52	1245.84	1247.00	1247.00
11.0	1204.08	1209.88	1215.68	1221.48	1224.96	1229.60	1231.92	1233.08	1234.24
13.0	1176.24	1184.36	1192.48	1200.60	1206.40	1211.04	1214.52	1216.84	1218.00
15.0	1143.76	1155.36	1165.80	1175.08	1183.20	1190.16	1194.80	1197.12	1198.28

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CANDELA TABULATION - (Cont.)

17.0	1104.32	1119.40	1133.32	1146.08	1156.52	1164.64	1170.44	1173.92	1175.08
19.5	1049.80	1069.52	1086.92	1104.32	1117.08	1127.52	1135.64	1140.28	1140.28
22.5	972.08	998.76	1021.96	1042.84	1060.24	1074.16	1083.44	1089.24	1091.56
25.5	885.08	917.56	946.56	973.24	994.12	1011.52	1023.12	1030.08	1032.40
29.0	774.88	812.00	846.80	878.12	903.64	924.52	939.60	947.72	951.20
33.0	640.32	682.08	721.52	757.48	787.64	810.84	827.08	836.36	839.84
37.5	491.84	533.60	574.20	611.32	642.64	667.00	684.40	693.68	697.16
42.5	345.68	382.80	417.60	451.24	480.24	502.28	518.52	527.80	530.12
47.5	230.84	258.68	286.52	312.04	334.08	352.64	364.24	371.20	374.68
55.0	119.48	134.56	148.48	163.56	176.32	185.60	193.72	198.36	199.52
65.0	47.56	53.36	59.16	63.80	68.44	73.08	75.40	77.72	78.88
75.0	17.40	18.56	20.88	23.20	24.36	25.52	26.68	27.84	27.84
85.0	3.48	3.48	3.48	4.64	4.64	4.64	4.64	4.64	4.64
90.0	6.96	6.96	5.80	4.64	3.48	3.48	2.32	2.32	1.16
95.0	39.44	38.28	38.28	37.12	35.96	35.96	34.80	34.80	33.64
100.0	95.12	95.12	96.28	96.28	96.28	96.28	96.28	95.12	95.12
105.0	167.04	169.36	170.52	171.68	172.84	174.00	174.00	174.00	174.00
110.0	255.20	258.68	262.16	265.64	267.96	269.12	269.12	269.12	269.12
115.0	361.92	366.56	371.20	374.68	377.00	379.32	379.32	380.48	380.48
120.0	481.40	488.36	493.00	497.64	501.12	503.44	504.60	505.76	505.76
125.0	613.64	619.44	624.08	628.72	632.20	635.68	636.84	638.00	638.00
130.0	748.20	754.00	757.48	760.96	764.44	766.76	767.92	769.08	770.24
135.0	878.12	881.60	883.92	887.40	889.72	890.88	893.20	893.20	894.36
140.0	994.12	996.44	998.76	1001.08	1002.24	1003.40	1004.56	1005.72	1005.72
145.0	1093.88	1096.20	1097.36	1099.68	1100.84	1100.84	1102.00	1102.00	1103.16
150.0	1178.56	1179.72	1182.04	1182.04	1183.20	1183.20	1184.36	1184.36	1184.36
155.0	1248.16	1249.32	1249.32	1250.48	1250.48	1250.48	1251.64	1251.64	1251.64
160.0	1303.84	1303.84	1303.84	1305.00	1305.00	1305.00	1305.00	1305.00	1305.00
165.0	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60	1345.60
170.0	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60
175.0	1392.00	1392.00	1392.00	1392.00	1392.00	1392.00	1392.00	1392.00	1392.00
180.0	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80	1397.80

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	414.96	N.A.	8.10
0-30	790.68	N.A.	15.40
0-40	1095.39	N.A.	21.30
0-60	1451.92	N.A.	28.30
0-80	1560.91	N.A.	30.40
0-90	1574.99	N.A.	30.70
10-90	1478.49	N.A.	28.80
20-40	680.43	N.A.	13.20
20-50	928.31	N.A.	18.10
40-70	433.27	N.A.	8.40
60-80	108.99	N.A.	2.10
70-80	32.25	N.A.	0.60
80-90	14.07	N.A.	0.30
90-110	227.69	N.A.	4.40
90-120	582.87	N.A.	11.30
90-130	1124.82	N.A.	21.90
90-150	2476.91	N.A.	48.20
90-180	3563.26	N.A.	69.30
110-180	3335.58	N.A.	64.90
0-180	5138.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.50
10-20	318.46
20-30	375.71
30-40	304.72
40-50	247.88
50-60	108.65
60-70	76.74
70-80	32.25
80-90	14.07
90-100	49.82
100-110	177.86
110-120	355.18
120-130	541.96
130-140	670.15
140-150	681.94
150-160	574.45
160-170	379.59
170-180	132.31

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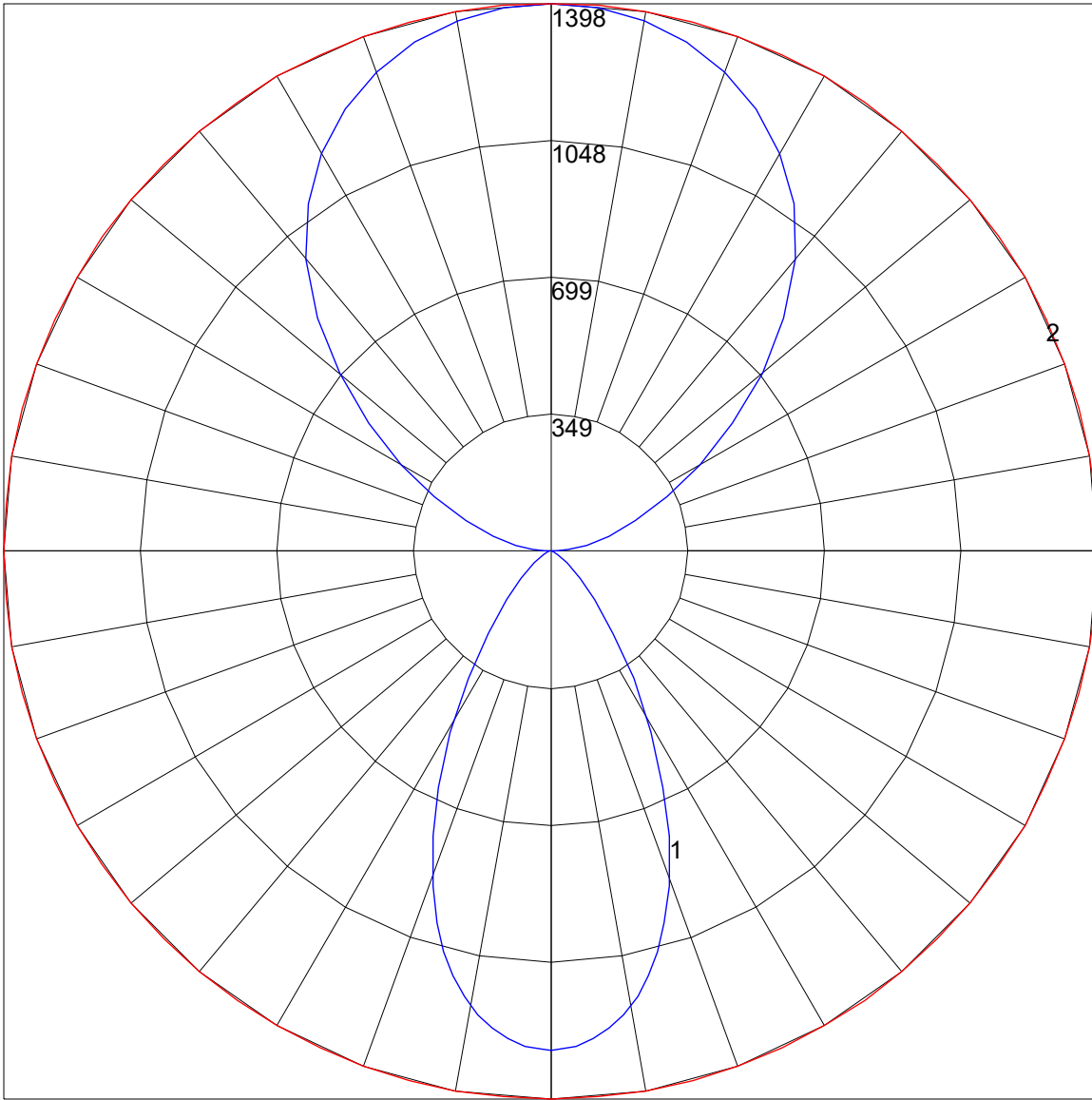
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	90	87	84	85	81	79	76	65	63	61	49	48	47	35	34	34	27
2	87	80	74	70	78	72	68	64	58	55	52	44	42	41	32	31	30	24
3	80	71	65	59	71	64	59	54	52	48	45	40	38	36	29	28	27	22
4	73	64	56	51	66	58	52	47	47	42	39	36	34	31	27	25	24	20
5	68	57	50	44	61	52	46	41	42	38	34	33	30	28	25	23	21	18
6	62	52	44	39	56	47	41	36	38	34	30	30	27	25	23	21	19	16
7	58	47	39	34	52	43	36	32	35	30	27	28	25	22	21	19	18	15
8	54	43	36	31	49	39	33	29	32	28	24	26	23	20	20	18	16	14
9	50	39	32	28	45	36	30	26	30	25	22	24	21	18	18	16	15	13
10	47	36	29	25	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 1397.8 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.)