

**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	88	91	93	95
Total Lumens, 4' rail length (1219mm)	4503	4646	4740	4835
Lumens per foot (305mm)	1126	1161	1185	1209
Lumens per foot UP (305mm)	833	860	877	895
Lumens per foot DOWN (305mm)	292	302	308	314
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](http://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] L031805808R01 (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-U2S1-BL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/40° 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	4740
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
Total Luminaire Watts	51.3
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	1010	2509	5786
55	392	986	2843
65	203	473	1350
75	149	277	761
85	75	171	408

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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>
<b>0.0</b>	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64
<b>1.0</b>	1104.32	1104.32	1104.32	1104.32	1104.32	1104.32	1104.32	1104.32	1104.32	1104.32
<b>3.0</b>	1091.56	1092.72	1092.72	1092.72	1092.72	1093.88	1095.04	1096.20	1096.20	1097.36
<b>5.0</b>	1068.36	1068.36	1069.52	1070.68	1071.84	1074.16	1076.48	1078.80	1081.12	1083.44
<b>7.0</b>	1035.88	1035.88	1037.04	1039.36	1041.68	1045.16	1049.80	1053.28	1057.92	1062.56
<b>9.0</b>	994.12	994.12	996.44	999.92	1003.40	1009.20	1015.00	1021.96	1028.92	1037.04
<b>11.0</b>	947.72	947.72	950.04	954.68	960.48	967.44	974.40	984.84	995.28	1005.72
<b>13.0</b>	895.52	896.68	900.16	905.96	911.76	921.04	931.48	941.92	954.68	968.60
<b>15.0</b>	842.16	843.32	847.96	853.76	861.88	872.32	883.92	897.84	912.92	929.16
<b>17.0</b>	786.48	787.64	792.28	799.24	808.52	820.12	834.04	850.28	867.68	887.40
<b>19.5</b>	713.40	715.72	720.36	728.48	738.92	752.84	769.08	787.64	808.52	830.56
<b>22.5</b>	619.44	621.76	627.56	638.00	650.76	668.16	686.72	708.76	733.12	758.64
<b>25.5</b>	519.68	522.00	528.96	540.56	556.80	576.52	598.56	624.08	653.08	680.92
<b>29.0</b>	400.20	402.52	410.64	423.40	440.80	464.00	489.52	520.84	553.32	586.96
<b>33.0</b>	276.08	278.40	286.52	298.12	315.52	338.72	365.40	397.88	432.68	470.96
<b>37.5</b>	167.04	169.36	175.16	185.60	199.52	218.08	241.28	270.28	305.08	343.36
<b>42.5</b>	91.64	92.80	96.28	102.08	111.36	124.12	140.36	162.40	187.92	218.08
<b>47.5</b>	51.04	51.04	53.36	56.84	61.48	69.60	78.88	92.80	109.04	129.92
<b>55.0</b>	23.20	23.20	24.36	25.52	27.84	31.32	34.80	40.60	47.56	56.84
<b>65.0</b>	9.28	10.44	10.44	10.44	11.60	12.76	13.92	15.08	17.40	20.88
<b>75.0</b>	4.64	4.64	4.64	4.64	4.64	4.64	5.80	5.80	6.96	8.12
<b>85.0</b>	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	2.32
<b>90.0</b>	15.08	15.08	15.08	13.92	13.92	12.76	11.60	10.44	9.28	8.12
<b>95.0</b>	44.08	44.08	44.08	42.92	42.92	41.76	41.76	40.60	40.60	39.44
<b>100.0</b>	90.48	90.48	90.48	90.48	90.48	91.64	91.64	91.64	91.64	92.80
<b>105.0</b>	150.80	150.80	150.80	151.96	153.12	154.28	155.44	157.76	158.92	161.24
<b>110.0</b>	227.36	227.36	228.52	229.68	232.00	234.32	236.64	240.12	243.60	245.92
<b>115.0</b>	321.32	322.48	323.64	324.80	328.28	330.60	335.24	339.88	344.52	349.16
<b>120.0</b>	432.68	433.84	435.00	437.32	440.80	444.28	448.92	454.72	460.52	466.32
<b>125.0</b>	559.12	559.12	561.44	563.76	567.24	571.88	576.52	583.48	589.28	596.24
<b>130.0</b>	693.68	693.68	694.84	698.32	701.80	706.44	712.24	718.04	723.84	729.64
<b>135.0</b>	828.24	828.24	830.56	832.88	836.36	839.84	844.48	849.12	854.92	859.56
<b>140.0</b>	955.84	955.84	957.00	958.16	960.48	963.96	967.44	970.92	973.24	976.72
<b>145.0</b>	1064.88	1064.88	1066.04	1067.20	1068.36	1070.68	1071.84	1074.16	1076.48	1077.64
<b>150.0</b>	1155.36	1155.36	1156.52	1156.52	1157.68	1158.84	1158.84	1160.00	1161.16	1162.32
<b>155.0</b>	1227.28	1227.28	1227.28	1227.28	1227.28	1228.44	1228.44	1229.60	1230.76	1231.92
<b>160.0</b>	1282.96	1284.12	1284.12	1284.12	1284.12	1285.28	1285.28	1286.44	1286.44	1286.44
<b>165.0</b>	1327.04	1327.04	1327.04	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20
<b>170.0</b>	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20	1357.20
<b>175.0</b>	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1374.60	1375.76	1375.76	1375.76
<b>180.0</b>	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40

**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>
<b>0.0</b>	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64	1106.64
<b>1.0</b>	1104.32	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48
<b>3.0</b>	1098.52	1099.68	1100.84	1102.00	1102.00	1102.00	1103.16	1103.16	1103.16
<b>5.0</b>	1085.76	1089.24	1091.56	1093.88	1095.04	1097.36	1098.52	1098.52	1098.52
<b>7.0</b>	1068.36	1073.00	1077.64	1082.28	1085.76	1089.24	1091.56	1092.72	1092.72
<b>9.0</b>	1044.00	1052.12	1060.24	1067.20	1073.00	1077.64	1081.12	1083.44	1084.60
<b>11.0</b>	1016.16	1027.76	1038.20	1047.48	1056.76	1063.72	1068.36	1071.84	1074.16
<b>13.0</b>	982.52	997.60	1012.68	1025.44	1037.04	1047.48	1055.60	1059.08	1060.24
<b>15.0</b>	946.56	963.96	983.68	999.92	1013.84	1025.44	1035.88	1042.84	1044.00

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	907.12	929.16	948.88	968.60	987.16	1003.40	1015.00	1021.96	1024.28
<b>19.5</b>	853.76	878.12	903.64	928.00	950.04	968.60	983.68	992.96	997.60
<b>22.5</b>	785.32	813.16	842.16	871.16	896.68	921.04	939.60	950.04	955.84
<b>25.5</b>	712.24	743.56	774.88	807.36	836.36	864.20	886.24	899.00	902.48
<b>29.0</b>	621.76	656.56	691.36	723.84	756.32	785.32	810.84	827.08	831.72
<b>33.0</b>	510.40	549.84	586.96	622.92	655.40	685.56	709.92	727.32	736.60
<b>37.5</b>	382.80	423.40	462.84	499.96	531.28	561.44	577.68	600.88	606.68
<b>42.5</b>	254.04	292.32	327.12	361.92	390.92	415.28	436.16	450.08	452.40
<b>47.5</b>	154.28	183.28	211.12	237.80	261.00	280.72	295.80	305.08	308.56
<b>55.0</b>	68.44	81.20	96.28	111.36	125.28	135.72	145.00	149.64	151.96
<b>65.0</b>	24.36	29.00	33.64	38.28	42.92	47.56	51.04	53.36	53.36
<b>75.0</b>	9.28	10.44	11.60	13.92	15.08	16.24	17.40	18.56	18.56
<b>85.0</b>	2.32	2.32	2.32	2.32	2.32	2.32	2.32	3.48	3.48
<b>90.0</b>	6.96	5.80	5.80	4.64	3.48	2.32	2.32	1.16	1.16
<b>95.0</b>	38.28	37.12	37.12	35.96	34.80	33.64	33.64	32.48	32.48
<b>100.0</b>	92.80	92.80	92.80	92.80	92.80	92.80	92.80	92.80	91.64
<b>105.0</b>	162.40	164.72	165.88	167.04	168.20	169.36	169.36	169.36	169.36
<b>110.0</b>	250.56	252.88	256.36	258.68	261.00	262.16	263.32	263.32	263.32
<b>115.0</b>	353.80	358.44	363.08	366.56	370.04	371.20	373.52	373.52	373.52
<b>120.0</b>	472.12	477.92	483.72	488.36	491.84	494.16	496.48	496.48	497.64
<b>125.0</b>	602.04	609.00	613.64	618.28	621.76	625.24	626.40	628.72	628.72
<b>130.0</b>	736.60	741.24	745.88	750.52	754.00	756.32	758.64	759.80	759.80
<b>135.0</b>	864.20	867.68	871.16	874.64	878.12	880.44	881.60	882.76	882.76
<b>140.0</b>	980.20	982.52	984.84	988.32	989.48	990.64	991.80	992.96	994.12
<b>145.0</b>	1079.96	1081.12	1083.44	1085.76	1086.92	1086.92	1088.08	1089.24	1089.24
<b>150.0</b>	1163.48	1165.80	1166.96	1168.12	1168.12	1169.28	1169.28	1170.44	1170.44
<b>155.0</b>	1233.08	1233.08	1234.24	1234.24	1234.24	1235.40	1235.40	1235.40	1236.56
<b>160.0</b>	1287.60	1287.60	1287.60	1287.60	1287.60	1288.76	1288.76	1288.76	1288.76
<b>165.0</b>	1328.20	1328.20	1328.20	1329.36	1329.36	1329.36	1329.36	1329.36	1329.36
<b>170.0</b>	1357.20	1357.20	1358.36	1358.36	1358.36	1358.36	1358.36	1358.36	1358.36
<b>175.0</b>	1375.76	1375.76	1375.76	1375.76	1375.76	1375.76	1375.76	1375.76	1375.76
<b>180.0</b>	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40	1380.40

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	347.72	N.A.	7.30
0-30	654.79	N.A.	13.80
0-40	898.07	N.A.	18.90
0-60	1156.9	N.A.	24.40
0-80	1222.52	N.A.	25.80
0-90	1231.54	N.A.	26.00
10-90	1148.68	N.A.	24.20
20-40	550.35	N.A.	11.60
20-50	735.74	N.A.	15.50
40-70	305.91	N.A.	6.50
60-80	65.62	N.A.	1.40
70-80	18.54	N.A.	0.40
80-90	9.03	N.A.	0.20
90-110	222.37	N.A.	4.70
90-120	571.05	N.A.	12.00
90-130	1103.97	N.A.	23.30
90-150	2436.18	N.A.	51.40
90-180	3508.81	N.A.	74.00
110-180	3286.43	N.A.	69.30
0-180	4740.35	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	82.86
10-20	264.86
20-30	307.07
30-40	243.28
40-50	185.39
50-60	73.43
60-70	47.08
70-80	18.54
80-90	9.03
90-100	48.47
100-110	173.90
110-120	348.68
120-130	532.92
130-140	659.76
140-150	672.46
150-160	567.08
160-170	374.83
170-180	130.71

**IES INDOOR REPORT**

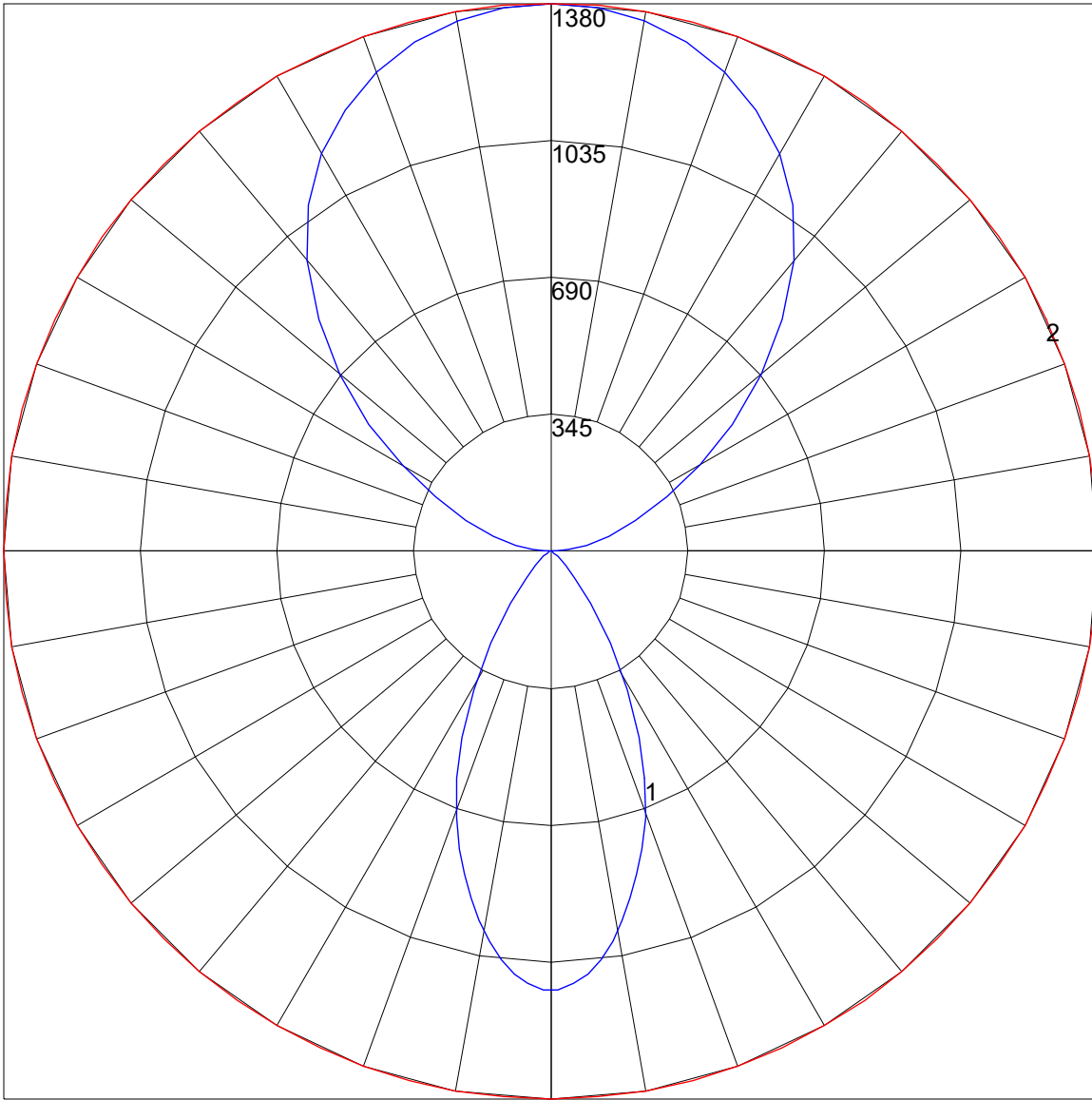
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	86	83	83	80	77	75	62	61	59	46	45	44	31	31	30	23
2	86	79	74	69	76	71	66	63	56	53	50	42	40	38	29	28	27	21
3	79	70	64	58	70	63	58	53	50	46	43	38	35	33	26	25	24	19
4	72	63	56	50	65	57	51	46	45	41	38	34	31	29	24	23	21	17
5	67	56	49	44	60	51	45	40	41	36	33	31	28	26	22	21	19	16
6	62	51	43	38	55	46	40	35	37	32	29	28	26	23	21	19	18	14
7	57	46	39	34	51	42	36	31	34	29	26	26	23	21	19	17	16	13
8	53	42	35	30	48	38	32	28	31	27	23	24	21	19	18	16	15	12
9	50	38	32	27	45	35	29	25	28	24	21	22	19	17	17	15	13	11
10	46	35	29	24	42	32	26	23	26	22	19	21	18	16	15	14	12	10

POLAR GRAPH



Maximum Candela = 1380.4 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.)