



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	119	123	125	125
Total Lumens, 4' rail length (1219mm)	6201	6396	6527	6527
Lumens per foot (305mm)	1550	1599	1632	1632
Lumens per foot UP (305mm)	600	619	632	632
Lumens per foot DOWN (305mm)	950	980	1000	1000
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_U2S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010922 (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-U2S7-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow

[MORE] 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	6527
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	51.67
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.26 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12579	13238	14569
55	10159	11199	12975
65	7500	8487	10639
75	5046	5908	8064
85	3042	3192	4966

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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	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92
5	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28
10	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1501.04
15	1469.72	1469.72	1469.72	1469.72	1469.72	1469.72	1469.72	1469.72	1470.88	1470.88
20	1424.48	1424.48	1424.48	1424.48	1425.64	1425.64	1425.64	1426.80	1426.80	1427.96
25	1364.16	1364.16	1365.32	1365.32	1366.48	1366.48	1367.64	1367.64	1368.80	1369.96
30	1288.76	1288.76	1289.92	1289.92	1291.08	1292.24	1292.24	1294.56	1295.72	1296.88
35	1197.12	1197.12	1198.28	1198.28	1199.44	1200.60	1202.92	1204.08	1206.40	1207.56
40	1086.92	1086.92	1088.08	1089.24	1090.40	1092.72	1095.04	1097.36	1099.68	1102.00
45	954.68	954.68	957.00	959.32	961.64	965.12	968.60	972.08	975.56	979.04
50	806.20	807.36	808.52	812.00	815.48	820.12	824.76	831.72	837.52	842.16
55	653.08	654.24	655.40	658.88	663.52	669.32	673.96	680.92	687.88	694.84
60	505.76	506.92	508.08	510.40	513.88	519.68	525.48	533.60	540.56	547.52
65	380.48	380.48	381.64	383.96	386.28	389.76	393.24	397.88	402.52	409.48
70	271.44	271.44	272.60	273.76	277.24	279.56	283.04	286.52	288.84	291.16
75	179.80	179.80	180.96	182.12	184.44	185.60	187.92	191.40	193.72	194.88
80	109.04	109.04	109.04	110.20	110.20	111.36	112.52	113.68	113.68	114.84
85	59.16	59.16	59.16	58.00	58.00	56.84	55.68	55.68	54.52	53.36
90	25.52	25.52	25.52	24.36	23.20	22.04	20.88	19.72	17.40	16.24
95	6.96	6.96	6.96	6.96	6.96	8.12	8.12	8.12	9.28	9.28
100	17.40	17.40	17.40	18.56	18.56	19.72	20.88	22.04	23.20	23.20
105	31.32	32.48	32.48	33.64	35.96	37.12	39.44	41.76	42.92	45.24
110	54.52	54.52	55.68	58.00	60.32	63.80	67.28	69.60	73.08	75.40
115	88.16	89.32	90.48	93.96	98.60	103.24	109.04	113.68	118.32	121.80
120	140.36	141.52	145.00	149.64	155.44	163.56	171.68	179.80	186.76	191.40
125	222.72	225.04	228.52	235.48	244.76	256.36	267.96	278.40	288.84	295.80
130	346.84	348.00	353.80	363.08	374.68	389.76	403.68	417.60	429.20	437.32
135	513.88	516.20	523.16	532.44	546.36	561.44	576.52	591.60	602.04	609.00
140	711.08	713.40	719.20	729.64	741.24	754.00	766.76	778.36	786.48	791.12
145	910.60	911.76	916.40	923.36	931.48	940.76	948.88	955.84	960.48	960.48
150	1082.28	1082.28	1085.76	1089.24	1093.88	1098.52	1102.00	1105.48	1106.64	1105.48
155	1213.36	1214.52	1215.68	1216.84	1218.00	1220.32	1220.32	1221.48	1221.48	1219.16
160	1308.48	1308.48	1308.48	1308.48	1309.64	1309.64	1308.48	1308.48	1307.32	1306.16
165	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1369.96	1368.80	1368.80	1367.64
170	1408.24	1408.24	1408.24	1408.24	1408.24	1408.24	1408.24	1408.24	1407.08	1407.08
175	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12
180	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92

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	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92
5	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28	1517.28
10	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04
15	1470.88	1470.88	1470.88	1472.04	1472.04	1472.04	1472.04	1472.04	1472.04
20	1427.96	1429.12	1429.12	1429.12	1429.12	1430.28	1430.28	1430.28	1430.28
25	1371.12	1371.12	1372.28	1373.44	1373.44	1373.44	1374.60	1374.60	1374.60
30	1298.04	1299.20	1300.36	1301.52	1302.68	1303.84	1303.84	1303.84	1303.84
35	1209.88	1211.04	1213.36	1214.52	1215.68	1216.84	1218.00	1218.00	1219.16
40	1104.32	1106.64	1108.96	1111.28	1113.60	1114.76	1115.92	1117.08	1117.08
45	982.52	986.00	988.32	991.80	994.12	996.44	997.60	998.76	998.76
50	846.80	850.28	853.76	857.24	860.72	863.04	864.20	865.36	865.36
55	701.80	707.60	711.08	714.56	718.04	720.36	721.52	722.68	723.84
60	554.48	562.60	567.24	570.72	574.20	575.36	577.68	578.84	578.84

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CANDELA TABULATION - (Cont.)

65	416.44	423.40	429.20	433.84	436.16	438.48	439.64	439.64	439.64
70	294.64	299.28	305.08	309.72	313.20	314.36	314.36	315.52	315.52
75	197.20	197.20	198.36	200.68	204.16	206.48	206.48	206.48	206.48
80	116.00	116.00	116.00	114.84	113.68	116.00	117.16	116.00	116.00
85	52.20	51.04	49.88	48.72	47.56	46.40	45.24	45.24	45.24
90	13.92	11.60	10.44	8.12	6.96	5.80	4.64	3.48	3.48
95	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28	9.28
100	24.36	24.36	25.52	25.52	25.52	25.52	25.52	25.52	25.52
105	46.40	46.40	47.56	47.56	47.56	48.72	48.72	48.72	48.72
110	77.72	78.88	78.88	80.04	80.04	78.88	78.88	78.88	78.88
115	124.12	125.28	126.44	125.28	124.12	122.96	122.96	121.80	121.80
120	194.88	196.04	194.88	192.56	190.24	187.92	185.60	184.44	183.28
125	299.28	299.28	296.96	292.32	287.68	283.04	278.40	276.08	274.92
130	440.80	439.64	433.84	426.88	419.92	411.80	406.00	401.36	400.20
135	610.16	607.84	600.88	591.60	581.16	571.88	564.92	560.28	557.96
140	789.96	786.48	778.36	767.92	758.64	749.36	741.24	736.60	735.44
145	959.32	954.68	947.72	938.44	930.32	922.20	915.24	911.76	910.60
150	1103.16	1098.52	1092.72	1085.76	1079.96	1074.16	1069.52	1067.20	1066.04
155	1216.84	1213.36	1209.88	1206.40	1201.76	1199.44	1195.96	1194.80	1194.80
160	1305.00	1302.68	1300.36	1298.04	1295.72	1294.56	1293.40	1292.24	1291.08
165	1366.48	1365.32	1364.16	1363.00	1363.00	1361.84	1360.68	1360.68	1360.68
170	1407.08	1405.92	1405.92	1405.92	1405.92	1404.76	1404.76	1404.76	1404.76
175	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12
180	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	559.39	N.A.	8.60
0-30	1190.21	N.A.	18.20
0-40	1944.39	N.A.	29.80
0-60	3315.12	N.A.	50.80
0-80	3935.43	N.A.	60.30
0-90	3999.2	N.A.	61.30
10-90	3854.91	N.A.	59.10
20-40	1384.99	N.A.	21.20
20-50	2137.24	N.A.	32.70
40-70	1781.36	N.A.	27.30
60-80	620.31	N.A.	9.50
70-80	209.68	N.A.	3.20
80-90	63.77	N.A.	1.00
90-110	61.88	N.A.	0.90
90-120	178.84	N.A.	2.70
90-130	429.11	N.A.	6.60
90-150	1452.46	N.A.	22.30
90-180	2527.67	N.A.	38.70
110-180	2465.79	N.A.	37.80
0-180	6526.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	144.29
10-20	415.11
20-30	630.82
30-40	754.18
40-50	752.25
50-60	618.48
60-70	410.63
70-80	209.68
80-90	63.77
90-100	14.92
100-110	46.96
110-120	116.96
120-130	250.27
130-140	442.86
140-150	580.49
150-160	555.00
160-170	384.52
170-180	135.69

IES INDOOR REPORT

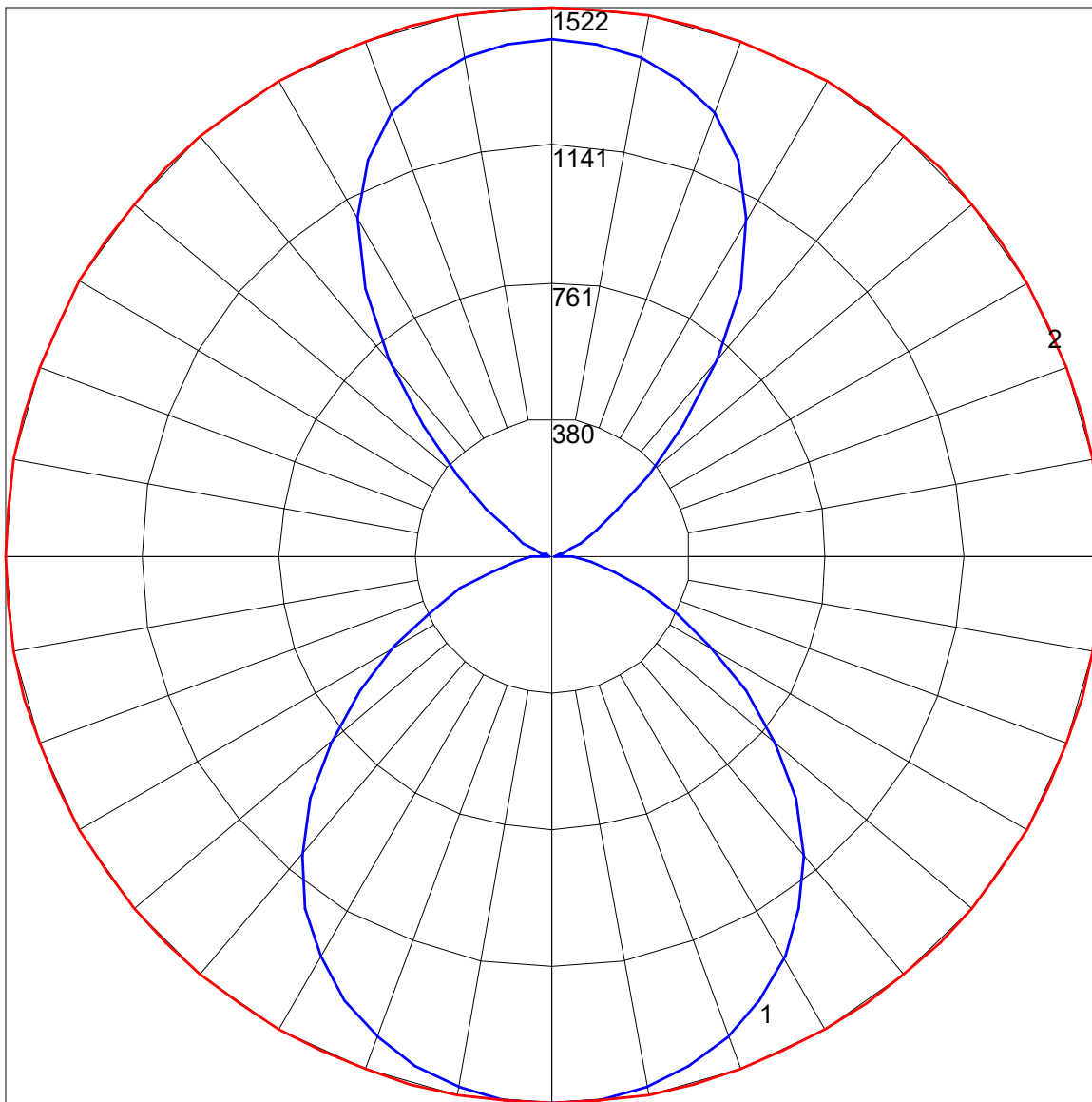
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S7_BL.IES

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	101	96	92	89	94	90	87	84	79	76	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	69	65	62	61	57	55	52	50	48	44
3	84	74	67	61	78	70	63	58	61	56	52	54	50	47	47	44	41	37
4	77	66	58	52	72	62	55	49	55	49	45	48	44	40	42	38	35	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	38	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	31	34	30	27	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	24	22
8	56	43	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	36	29	24	46	35	28	23	31	25	22	28	23	20	24	21	18	16

POLAR GRAPH



Maximum Candela = 1521.92 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)