

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	127	131	134	134
Total Lumens, 4' rail length (1219mm)	6606	6814	6953	6953
Lumens per foot (305mm)	952	982	1002	1002
Lumens per foot UP (305mm)	699	721	736	736
Lumens per foot DOWN (305mm)	1651	1704	1738	1738
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_U2D2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010920 (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-U2D2-BL

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

[MORE] up/soft diffuse lens down, standard output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6953
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	52.24
Ballast Factor	1.00
CIE Type	General Diffuse
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	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8972	9176	9865
55	8336	8600	9523
65	7386	7718	8983
75	5828	6225	7883
85	3102	3469	5985

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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	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04
5	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56
10	992.96	992.96	992.96	992.96	992.96	992.96	992.96	992.96	992.96	991.80
15	970.92	970.92	970.92	970.92	970.92	970.92	970.92	970.92	970.92	970.92
20	941.92	941.92	941.92	941.92	941.92	941.92	940.76	940.76	940.76	940.76
25	903.64	903.64	903.64	903.64	903.64	903.64	902.48	902.48	902.48	902.48
30	858.40	858.40	858.40	857.24	857.24	857.24	857.24	857.24	856.08	856.08
35	805.04	805.04	805.04	805.04	805.04	805.04	803.88	803.88	803.88	802.72
40	745.88	745.88	745.88	745.88	745.88	745.88	744.72	744.72	744.72	744.72
45	680.92	680.92	680.92	680.92	680.92	679.76	679.76	679.76	679.76	678.60
50	610.16	610.16	610.16	610.16	610.16	610.16	609.00	609.00	609.00	607.84
55	535.92	535.92	535.92	535.92	535.92	534.76	534.76	534.76	533.60	533.60
60	457.04	457.04	457.04	457.04	455.88	455.88	455.88	455.88	454.72	454.72
65	374.68	374.68	374.68	374.68	374.68	373.52	373.52	373.52	373.52	372.36
70	291.16	291.16	291.16	291.16	290.00	290.00	290.00	290.00	288.84	288.84
75	207.64	207.64	207.64	207.64	207.64	206.48	206.48	206.48	205.32	205.32
80	128.76	128.76	128.76	128.76	128.76	127.60	127.60	127.60	126.44	126.44
85	60.32	60.32	60.32	60.32	59.16	59.16	59.16	59.16	58.00	58.00
90	26.68	26.68	26.68	25.52	24.36	23.20	22.04	20.88	18.56	17.40
95	61.48	61.48	61.48	60.32	60.32	59.16	59.16	58.00	56.84	55.68
100	113.68	113.68	113.68	114.84	114.84	116.00	116.00	117.16	118.32	118.32
105	185.60	185.60	186.76	187.92	189.08	191.40	192.56	194.88	197.20	198.36
110	276.08	276.08	277.24	278.40	280.72	284.20	286.52	290.00	292.32	293.48
115	385.12	385.12	386.28	388.60	390.92	393.24	395.56	396.72	396.72	399.04
120	505.76	505.76	506.92	506.92	508.08	509.24	511.56	517.36	526.64	538.24
125	634.52	634.52	636.84	639.16	644.96	651.92	661.20	671.64	682.08	692.52
130	793.44	794.60	796.92	801.56	807.36	814.32	821.28	829.40	837.52	844.48
135	951.20	952.36	953.52	957.00	960.48	965.12	969.76	974.40	979.04	982.52
140	1088.08	1089.24	1090.40	1091.56	1093.88	1096.20	1098.52	1100.84	1104.32	1106.64
145	1200.60	1201.76	1201.76	1202.92	1204.08	1205.24	1207.56	1208.72	1211.04	1213.36
150	1294.56	1294.56	1294.56	1295.72	1295.72	1296.88	1298.04	1299.20	1300.36	1302.68
155	1369.96	1369.96	1369.96	1371.12	1371.12	1372.28	1372.28	1373.44	1374.60	1374.60
160	1429.12	1429.12	1429.12	1430.28	1430.28	1430.28	1431.44	1431.44	1432.60	1432.60
165	1474.36	1474.36	1474.36	1474.36	1474.36	1475.52	1475.52	1475.52	1475.52	1475.52
170	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68
175	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1521.92
180	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56

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	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04	1008.04
5	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56	1004.56
10	992.96	992.96	991.80	991.80	991.80	991.80	991.80	991.80	992.96
15	970.92	970.92	970.92	970.92	970.92	970.92	970.92	970.92	970.92
20	940.76	940.76	940.76	940.76	939.60	939.60	939.60	939.60	939.60
25	902.48	902.48	901.32	901.32	901.32	901.32	901.32	901.32	901.32
30	856.08	856.08	854.92	854.92	854.92	854.92	854.92	854.92	854.92
35	802.72	802.72	802.72	801.56	801.56	801.56	801.56	801.56	801.56
40	743.56	743.56	743.56	742.40	742.40	742.40	742.40	742.40	742.40
45	678.60	678.60	677.44	677.44	677.44	677.44	676.28	676.28	676.28
50	607.84	607.84	607.84	606.68	606.68	606.68	606.68	606.68	606.68
55	533.60	533.60	532.44	532.44	532.44	532.44	531.28	531.28	531.28
60	454.72	453.56	453.56	453.56	453.56	452.40	452.40	452.40	452.40

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2D2_BL.IES****CANDELA TABULATION - (Cont.)**

65	372.36	372.36	372.36	371.20	371.20	371.20	371.20	371.20	371.20
70	288.84	287.68	287.68	287.68	286.52	286.52	286.52	286.52	286.52
75	204.16	204.16	204.16	203.00	203.00	203.00	201.84	201.84	201.84
80	125.28	125.28	124.12	124.12	122.96	122.96	122.96	121.80	121.80
85	56.84	56.84	56.84	55.68	55.68	54.52	54.52	54.52	54.52
90	15.08	12.76	11.60	9.28	6.96	5.80	4.64	3.48	3.48
95	54.52	53.36	52.20	49.88	48.72	47.56	45.24	46.40	46.40
100	118.32	118.32	118.32	117.16	113.68	114.84	117.16	117.16	117.16
105	199.52	200.68	198.36	196.04	203.00	206.48	207.64	207.64	207.64
110	292.32	292.32	299.28	307.40	313.20	315.52	316.68	316.68	316.68
115	406.00	417.60	426.88	435.00	438.48	440.80	441.96	441.96	443.12
120	549.84	560.28	568.40	573.04	576.52	578.84	581.16	582.32	582.32
125	701.80	708.76	714.56	718.04	721.52	723.84	726.16	727.32	727.32
130	849.12	853.76	858.40	861.88	865.36	867.68	868.84	870.00	871.16
135	987.16	990.64	994.12	997.60	998.76	1001.08	1003.40	1004.56	1004.56
140	1108.96	1112.44	1114.76	1117.08	1119.40	1120.56	1121.72	1122.88	1122.88
145	1214.52	1216.84	1219.16	1220.32	1221.48	1222.64	1223.80	1223.80	1224.96
150	1303.84	1305.00	1306.16	1307.32	1308.48	1308.48	1309.64	1309.64	1309.64
155	1375.76	1376.92	1376.92	1378.08	1379.24	1379.24	1379.24	1379.24	1380.40
160	1432.60	1433.76	1433.76	1433.76	1434.92	1434.92	1434.92	1434.92	1434.92
165	1476.68	1476.68	1476.68	1476.68	1476.68	1476.68	1476.68	1476.68	1476.68
170	1505.68	1505.68	1505.68	1505.68	1505.68	1506.84	1506.84	1505.68	1505.68
175	1521.92	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08	1523.08
180	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56	1526.56

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	369.53	N.A.	5.30
0-30	785.41	N.A.	11.30
0-40	1287.98	N.A.	18.50
0-60	2288.41	N.A.	32.90
0-80	2874.73	N.A.	41.30
0-90	2944.75	N.A.	42.40
10-90	2849.25	N.A.	41.00
20-40	918.45	N.A.	13.20
20-50	1442.04	N.A.	20.70
40-70	1369.14	N.A.	19.70
60-80	586.32	N.A.	8.40
70-80	217.61	N.A.	3.10
80-90	70.02	N.A.	1.00
90-110	278.07	N.A.	4.00
90-120	688.26	N.A.	9.90
90-130	1302.97	N.A.	18.70
90-150	2814.04	N.A.	40.50
90-180	4008.6	N.A.	57.60
110-180	3730.54	N.A.	53.70
0-180	6953.36	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.50
10-20	274.02
20-30	415.89
30-40	502.56
40-50	523.59
50-60	476.84
60-70	368.71
70-80	217.61
80-90	70.02
90-100	65.84
100-110	212.23
110-120	410.19
120-130	614.71
130-140	753.76
140-150	757.30
150-160	633.22
160-170	416.54
170-180	144.80

IES INDOOR REPORT

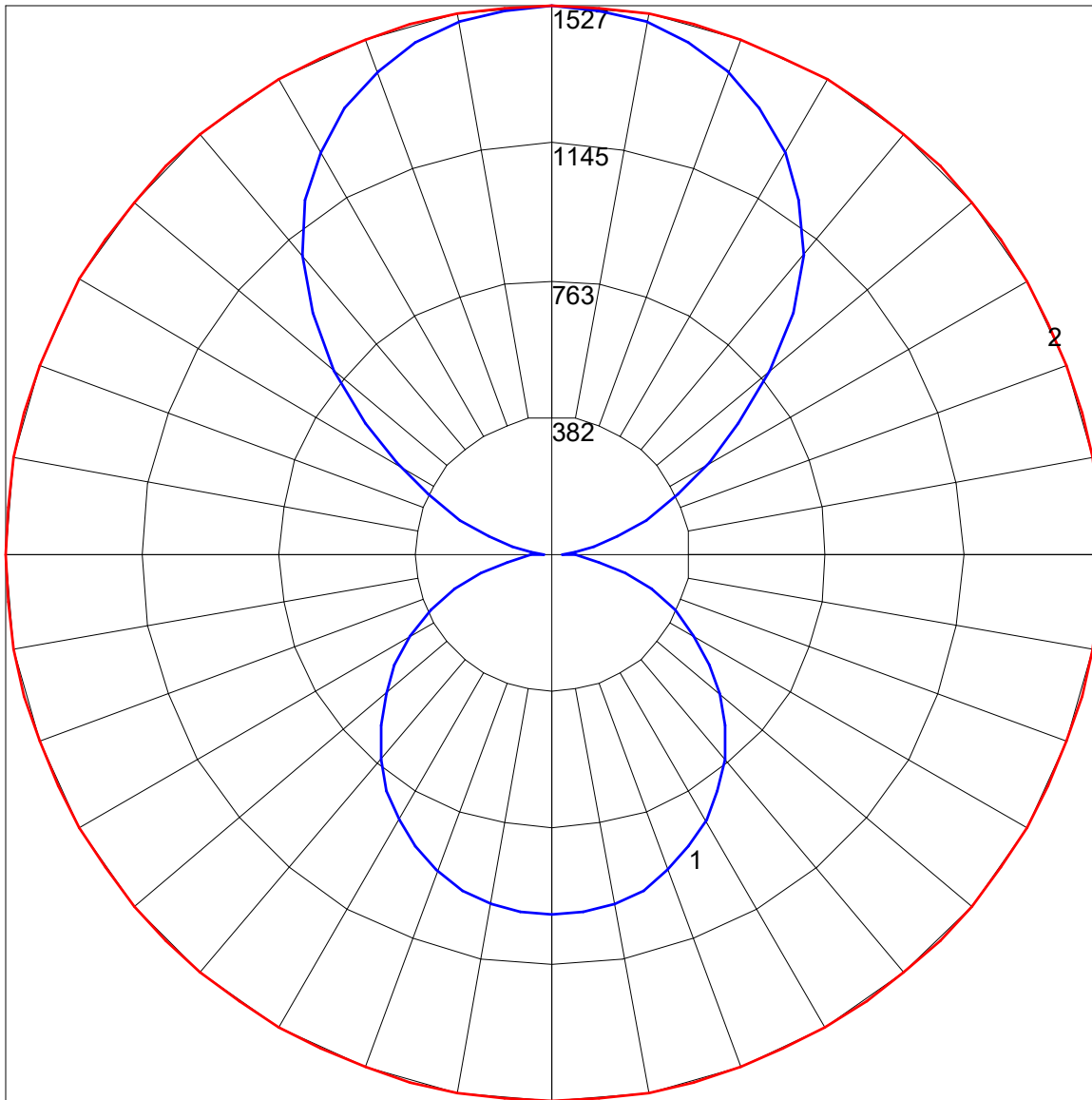
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2D2_BL.IES

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	105	105	105	105	96	96	96	96	79	79	79	63	63	63	49	49	49	42
1	96	91	88	84	87	84	80	77	69	67	64	55	54	52	43	42	41	35
2	87	80	73	68	79	73	68	63	60	56	53	48	46	43	38	36	34	29
3	79	70	62	57	72	64	58	52	53	48	44	43	39	36	33	31	29	24
4	72	62	54	48	66	56	50	44	47	42	38	38	34	31	29	27	25	21
5	66	55	47	41	60	50	43	38	42	36	32	34	30	27	26	24	21	18
6	61	49	41	35	55	45	38	33	38	32	28	30	26	23	24	21	19	16
7	56	44	36	31	51	41	34	29	34	28	24	28	24	20	22	19	17	14
8	52	40	32	27	48	37	30	25	31	25	22	25	21	18	20	17	15	12
9	49	36	29	24	44	34	27	22	28	23	19	23	19	16	18	15	13	11
10	45	33	26	21	41	31	24	20	26	21	17	21	17	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 1526.56 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.)