

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	115	119	121	121
Total Lumens, 4' rail length (1219mm)	5980	6169	6295	6295
Lumens per foot (305mm)	1495	1542	1574	1574
Lumens per foot UP (305mm)	889	917	936	936
Lumens per foot DOWN (305mm)	606	625	638	638
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_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010921 (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-U1S7-BL

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

[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	6295
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	6863	8376	8308
55	3519	4880	5053
65	1761	2621	3060
75	912	1407	1948
85	358	555	1146

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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	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92
5	1430.28	1429.12	1429.12	1429.12	1429.12	1430.28	1429.12	1429.12	1429.12	1429.12
10	1409.40	1409.40	1409.40	1409.40	1409.40	1409.40	1409.40	1408.24	1408.24	1408.24
15	1372.28	1372.28	1372.28	1372.28	1371.12	1372.28	1371.12	1371.12	1369.96	1368.80
20	1310.80	1310.80	1310.80	1310.80	1310.80	1310.80	1310.80	1310.80	1309.64	1308.48
25	1219.16	1219.16	1220.32	1221.48	1223.80	1224.96	1226.12	1226.12	1226.12	1224.96
30	1090.40	1091.56	1093.88	1097.36	1102.00	1106.64	1110.12	1112.44	1113.60	1112.44
35	919.88	921.04	925.68	932.64	941.92	950.04	958.16	965.12	968.60	969.76
40	720.36	722.68	729.64	738.92	751.68	764.44	777.20	788.80	796.92	801.56
45	520.84	523.16	530.12	540.56	554.48	570.72	585.80	600.88	612.48	619.44
50	351.48	352.64	359.60	368.88	381.64	395.56	410.64	425.72	438.48	446.60
55	226.20	227.36	232.00	238.96	249.40	261.00	272.60	285.36	295.80	302.76
60	142.68	143.84	147.32	151.96	158.92	167.04	175.16	183.28	191.40	197.20
65	89.32	90.48	92.80	95.12	99.76	105.56	110.20	116.00	121.80	126.44
70	55.68	55.68	56.84	59.16	61.48	64.96	68.44	71.92	75.40	77.72
75	32.48	32.48	33.64	34.80	35.96	38.28	40.60	42.92	44.08	46.40
80	17.40	17.40	17.40	18.56	18.56	19.72	20.88	22.04	23.20	24.36
85	6.96	6.96	6.96	6.96	8.12	8.12	8.12	9.28	9.28	9.28
90	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
95	33.64	33.64	33.64	33.64	34.80	34.80	34.80	35.96	35.96	35.96
100	76.56	76.56	77.72	78.88	81.20	83.52	87.00	90.48	93.96	97.44
105	148.48	148.48	149.64	151.96	154.28	157.76	161.24	164.72	168.20	170.52
110	232.00	233.16	234.32	236.64	238.96	242.44	247.08	250.56	255.20	259.84
115	330.60	331.76	332.92	335.24	339.88	343.36	349.16	354.96	361.92	370.04
120	447.76	447.76	450.08	453.56	458.20	464.00	470.96	479.08	487.20	494.16
125	582.32	583.48	585.80	589.28	595.08	600.88	606.68	614.80	621.76	629.88
130	726.16	727.32	728.48	731.96	736.60	742.40	748.20	755.16	762.12	769.08
135	868.84	870.00	871.16	874.64	878.12	882.76	888.56	894.36	901.32	907.12
140	1004.56	1004.56	1005.72	1008.04	1011.52	1015.00	1019.64	1025.44	1030.08	1035.88
145	1125.20	1126.36	1127.52	1128.68	1131.00	1134.48	1137.96	1142.60	1147.24	1151.88
150	1230.76	1230.76	1230.76	1233.08	1234.24	1236.56	1240.04	1243.52	1247.00	1250.48
155	1317.76	1317.76	1318.92	1320.08	1321.24	1323.56	1324.72	1328.20	1330.52	1332.84
160	1388.52	1388.52	1389.68	1389.68	1390.84	1392.00	1393.16	1395.48	1396.64	1398.96
165	1441.88	1441.88	1443.04	1443.04	1444.20	1444.20	1445.36	1446.52	1446.52	1447.68
170	1479.00	1479.00	1479.00	1480.16	1480.16	1480.16	1480.16	1481.32	1481.32	1481.32
175	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88	1499.88
180	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52

**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	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92	1434.92
5	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12	1429.12
10	1408.24	1407.08	1407.08	1407.08	1407.08	1405.92	1405.92	1405.92	1405.92
15	1368.80	1367.64	1366.48	1365.32	1364.16	1364.16	1363.00	1363.00	1363.00
20	1307.32	1305.00	1302.68	1300.36	1299.20	1296.88	1295.72	1294.56	1294.56
25	1222.64	1219.16	1215.68	1211.04	1207.56	1204.08	1201.76	1200.60	1199.44
30	1110.12	1105.48	1099.68	1093.88	1088.08	1082.28	1077.64	1075.32	1074.16
35	967.44	962.80	955.84	947.72	939.60	931.48	925.68	922.20	919.88
40	801.56	796.92	788.80	779.52	769.08	759.80	752.84	748.20	745.88
45	621.76	618.28	612.48	602.04	592.76	583.48	575.36	570.72	569.56
50	450.08	448.92	444.28	437.32	429.20	421.08	415.28	411.80	410.64
55	307.40	307.40	305.08	300.44	295.80	290.00	286.52	283.04	281.88
60	200.68	201.84	200.68	199.52	196.04	193.72	191.40	190.24	189.08

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CANDELA TABULATION - (Cont.)

65	128.76	129.92	129.92	129.92	128.76	127.60	126.44	126.44	126.44
70	80.04	81.20	82.36	82.36	82.36	82.36	82.36	81.20	81.20
75	47.56	48.72	49.88	49.88	49.88	49.88	49.88	49.88	49.88
80	25.52	25.52	26.68	26.68	26.68	26.68	26.68	26.68	26.68
85	9.28	10.44	10.44	10.44	10.44	10.44	10.44	10.44	10.44
90	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
95	37.12	38.28	40.60	41.76	42.92	41.76	42.92	42.92	41.76
100	99.76	100.92	102.08	103.24	104.40	105.56	105.56	105.56	105.56
105	174.00	176.32	179.80	182.12	184.44	185.60	186.76	186.76	185.60
110	265.64	271.44	276.08	279.56	281.88	283.04	284.20	284.20	284.20
115	377.00	382.80	388.60	392.08	395.56	397.88	399.04	400.20	400.20
120	502.28	508.08	513.88	519.68	524.32	526.64	528.96	531.28	531.28
125	636.84	643.80	650.76	656.56	662.36	665.84	669.32	671.64	671.64
130	777.20	784.16	791.12	798.08	803.88	808.52	812.00	814.32	814.32
135	914.08	921.04	928.00	934.96	940.76	945.40	948.88	951.20	951.20
140	1042.84	1048.64	1054.44	1060.24	1064.88	1069.52	1073.00	1075.32	1075.32
145	1156.52	1162.32	1166.96	1171.60	1175.08	1178.56	1180.88	1183.20	1183.20
150	1253.96	1258.60	1262.08	1265.56	1267.88	1271.36	1272.52	1273.68	1273.68
155	1335.16	1338.64	1340.96	1343.28	1345.60	1346.76	1347.92	1349.08	1349.08
160	1400.12	1401.28	1403.60	1404.76	1405.92	1407.08	1407.08	1408.24	1408.24
165	1448.84	1450.00	1450.00	1451.16	1451.16	1452.32	1452.32	1452.32	1452.32
170	1481.32	1482.48	1482.48	1482.48	1482.48	1483.64	1483.64	1483.64	1483.64
175	1499.88	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04	1501.04
180	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	520.79	N.A.	8.30
0-30	1078.23	N.A.	17.10
0-40	1664.52	N.A.	26.40
0-60	2370.7	N.A.	37.70
0-80	2539.25	N.A.	40.30
0-90	2551.13	N.A.	40.50
10-90	2415.39	N.A.	38.40
20-40	1143.73	N.A.	18.20
20-50	1594.00	N.A.	25.30
40-70	826.37	N.A.	13.10
60-80	168.55	N.A.	2.70
70-80	48.35	N.A.	0.80
80-90	11.88	N.A.	0.20
90-110	229.31	N.A.	3.60
90-120	597.17	N.A.	9.50
90-130	1160.15	N.A.	18.40
90-150	2579.61	N.A.	41.00
90-180	3744.1	N.A.	59.50
110-180	3514.78	N.A.	55.80
0-180	6295.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	135.73
10-20	385.06
20-30	557.44
30-40	586.29
40-50	450.27
50-60	255.91
60-70	120.20
70-80	48.35
80-90	11.88
90-100	46.65
100-110	182.66
110-120	367.86
120-130	562.98
130-140	699.79
140-150	719.67
150-160	613.59
160-170	408.31
170-180	142.59

IES INDOOR REPORT

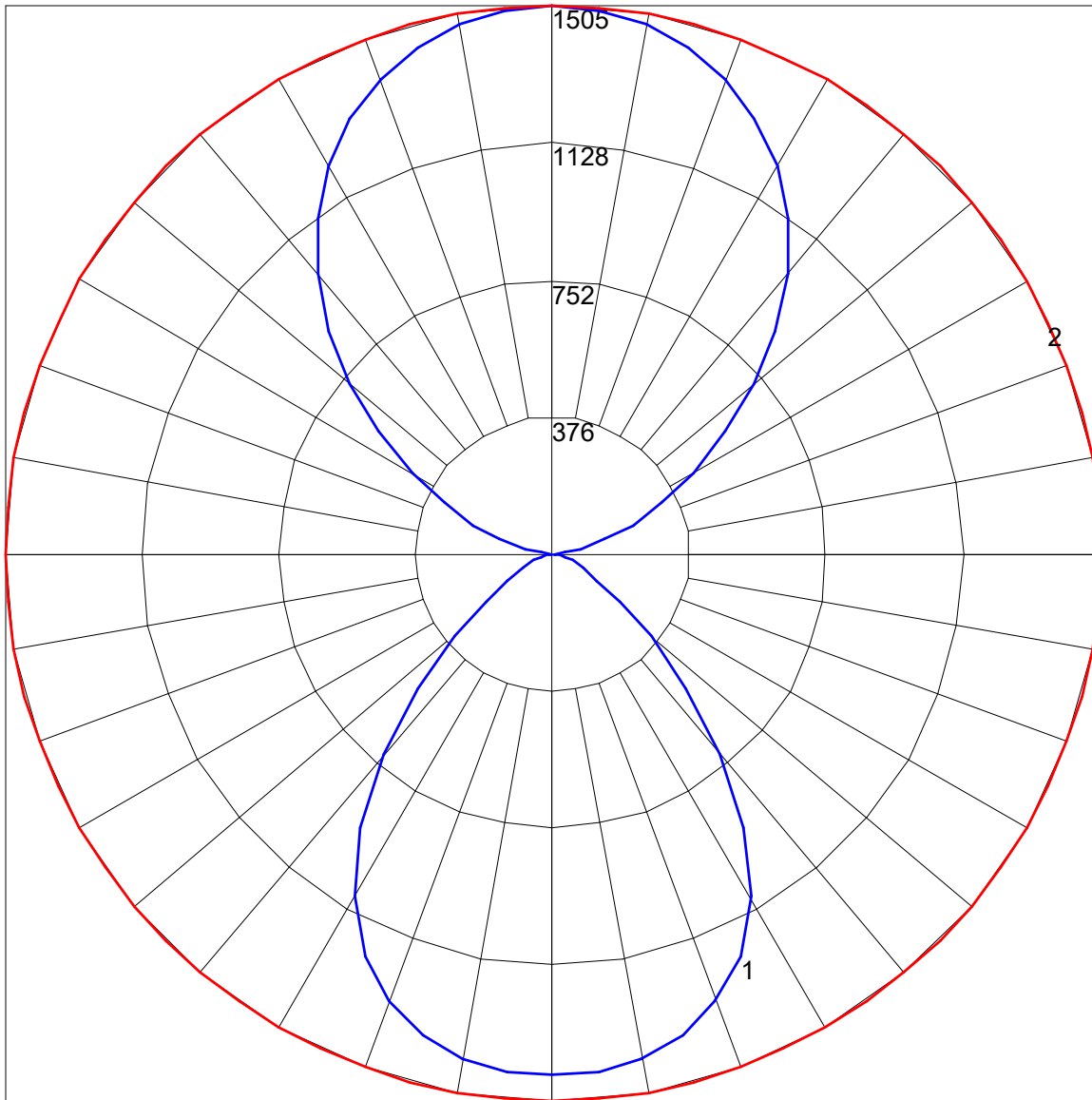
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	43	43	42	36
2	89	82	77	72	81	75	71	67	62	59	56	50	48	46	39	38	37	32
3	82	73	66	61	74	67	61	57	56	52	48	46	43	40	36	34	33	28
4	75	65	58	53	68	60	54	49	50	46	42	41	38	35	33	31	29	25
5	69	59	51	46	63	54	48	43	45	41	37	37	34	31	30	28	26	22
6	64	53	45	40	59	49	42	38	41	36	33	34	31	28	27	25	23	20
7	59	48	41	35	54	44	38	33	38	33	29	31	28	25	25	23	21	18
8	55	44	37	32	51	41	34	30	35	30	26	29	25	23	23	21	19	17
9	52	40	33	28	47	37	31	27	32	27	24	27	23	20	22	19	17	15
10	48	37	30	26	44	34	28	24	29	25	21	25	21	19	20	18	16	14

POLAR GRAPH



Maximum Candela = 1504.52 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.)