

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	125	129	132	132
Total Lumens, 4' rail length (1219mm)	6520	6726	6863	6863
Lumens per foot (305mm)	1630	1682	1716	1716
Lumens per foot UP (305mm)	929	959	978	978
Lumens per foot DOWN (305mm)	701	723	737	737
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.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121911550 (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-359-U1S7-AL
[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens up/80° symmetric lens down,
[MORE] 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	6863
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
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	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8580	9636	9219
55	5208	6444	6657
65	3306	4262	5023
75	2207	2872	3840
85	1104	1414	2224

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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>
0.0	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68
1.0	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68
3.0	1533.52	1532.36	1532.36	1533.52	1533.52	1533.52	1533.52	1533.52	1533.52	1533.52
5.0	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88
7.0	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92
9.0	1511.48	1512.64	1512.64	1511.48	1512.64	1511.48	1511.48	1512.64	1511.48	1511.48
11.0	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1499.88	1498.72	1498.72
13.0	1482.48	1482.48	1482.48	1483.64	1483.64	1483.64	1483.64	1483.64	1483.64	1482.48
15.0	1463.92	1463.92	1463.92	1463.92	1463.92	1465.08	1465.08	1463.92	1463.92	1463.92
17.0	1440.72	1440.72	1440.72	1441.88	1441.88	1441.88	1441.88	1441.88	1441.88	1440.72
19.5	1405.92	1405.92	1407.08	1407.08	1408.24	1408.24	1409.40	1408.24	1408.24	1407.08
22.5	1354.88	1354.88	1356.04	1356.04	1358.36	1359.52	1359.52	1359.52	1358.36	1357.20
25.5	1292.24	1292.24	1294.56	1295.72	1298.04	1299.20	1300.36	1300.36	1299.20	1296.88
29.0	1202.92	1204.08	1206.40	1209.88	1213.36	1215.68	1218.00	1219.16	1216.84	1214.52
33.0	1079.96	1082.28	1085.76	1090.40	1096.20	1100.84	1105.48	1106.64	1105.48	1102.00
37.5	918.72	919.88	924.52	932.64	940.76	948.88	955.84	960.48	960.48	957.00
42.5	721.52	723.84	730.80	740.08	751.68	763.28	773.72	780.68	783.00	780.68
47.5	535.92	537.08	544.04	554.48	567.24	581.16	591.60	600.88	606.68	606.68
55.0	319.00	321.32	327.12	335.24	344.52	356.12	366.56	375.84	381.64	385.12
65.0	156.60	157.76	160.08	163.56	169.36	175.16	180.96	186.76	191.40	194.88
75.0	70.76	71.92	73.08	74.24	76.56	78.88	81.20	83.52	85.84	87.00
85.0	17.40	17.40	17.40	17.40	17.40	18.56	18.56	18.56	19.72	19.72
90.0	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	3.48
95.0	38.28	38.28	38.28	38.28	38.28	39.44	39.44	39.44	40.60	40.60
100.0	93.96	93.96	95.12	95.12	96.28	98.60	99.76	100.92	103.24	104.40
105.0	169.36	169.36	169.36	170.52	172.84	175.16	176.32	178.64	180.96	183.28
110.0	255.20	255.20	256.36	258.68	259.84	263.32	265.64	269.12	271.44	272.60
115.0	358.44	358.44	359.60	360.76	363.08	365.40	367.72	370.04	374.68	385.12
120.0	469.80	469.80	470.96	473.28	476.76	482.56	491.84	503.44	518.52	531.28
125.0	613.64	614.80	618.28	624.08	632.20	641.48	651.92	662.36	672.80	680.92
130.0	783.00	784.16	786.48	789.96	795.76	802.72	808.52	815.48	821.28	825.92
135.0	938.44	938.44	940.76	943.08	945.40	948.88	952.36	955.84	960.48	963.96
140.0	1071.84	1071.84	1073.00	1074.16	1075.32	1077.64	1079.96	1082.28	1084.60	1086.92
145.0	1185.52	1185.52	1185.52	1186.68	1187.84	1189.00	1190.16	1191.32	1193.64	1194.80
150.0	1279.48	1280.64	1280.64	1280.64	1281.80	1281.80	1282.96	1284.12	1285.28	1286.44
155.0	1357.20	1357.20	1358.36	1358.36	1358.36	1359.52	1359.52	1360.68	1360.68	1361.84
160.0	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1419.84	1419.84	1419.84	1419.84
165.0	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92
170.0	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08
175.0	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48
180.0	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12

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	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68
1.0	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68	1534.68
3.0	1533.52	1533.52	1533.52	1533.52	1533.52	1533.52	1533.52	1533.52	1532.36
5.0	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88
7.0	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92	1521.92
9.0	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1510.32	1510.32
11.0	1498.72	1498.72	1498.72	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56
13.0	1482.48	1482.48	1481.32	1481.32	1480.16	1480.16	1480.16	1479.00	1480.16
15.0	1462.76	1462.76	1461.60	1460.44	1459.28	1459.28	1458.12	1458.12	1458.12

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CANDELA TABULATION - (Cont.)

17.0	1439.56	1438.40	1437.24	1436.08	1434.92	1433.76	1432.60	1431.44	1431.44
19.5	1404.76	1403.60	1401.28	1398.96	1396.64	1395.48	1393.16	1393.16	1392.00
22.5	1353.72	1350.24	1347.92	1344.44	1340.96	1337.48	1335.16	1334.00	1332.84
25.5	1293.40	1288.76	1284.12	1278.32	1273.68	1269.04	1265.56	1263.24	1263.24
29.0	1208.72	1202.92	1195.96	1187.84	1180.88	1175.08	1169.28	1166.96	1165.80
33.0	1096.20	1086.92	1077.64	1067.20	1057.92	1049.80	1044.00	1039.36	1038.20
37.5	950.04	939.60	928.00	916.40	904.80	895.52	888.56	883.92	881.60
42.5	773.72	764.44	752.84	741.24	730.80	721.52	714.56	709.92	708.76
47.5	602.04	596.24	586.96	577.68	569.56	562.60	556.80	553.32	552.16
55.0	386.28	385.12	381.64	379.32	375.84	373.52	371.20	370.04	370.04
65.0	198.36	200.68	201.84	203.00	204.16	205.32	205.32	206.48	206.48
75.0	89.32	90.48	92.80	93.96	95.12	96.28	96.28	97.44	97.44
85.0	19.72	19.72	19.72	19.72	19.72	19.72	19.72	19.72	19.72
90.0	3.48	3.48	3.48	3.48	3.48	2.32	2.32	2.32	2.32
95.0	40.60	41.76	41.76	42.92	42.92	41.76	41.76	44.08	44.08
100.0	105.56	106.72	106.72	106.72	105.56	111.36	114.84	116.00	116.00
105.0	184.44	185.60	185.60	191.40	200.68	205.32	206.48	207.64	207.64
110.0	274.92	281.88	294.64	305.08	309.72	313.20	314.36	314.36	314.36
115.0	399.04	411.80	422.24	428.04	431.52	433.84	435.00	436.16	436.16
120.0	542.88	551.00	556.80	561.44	564.92	567.24	568.40	569.56	569.56
125.0	687.88	693.68	698.32	701.80	704.12	706.44	708.76	708.76	709.92
130.0	830.56	835.20	838.68	842.16	844.48	845.64	846.80	847.96	847.96
135.0	966.28	969.76	973.24	975.56	976.72	977.88	979.04	980.20	980.20
140.0	1089.24	1091.56	1093.88	1095.04	1096.20	1097.36	1098.52	1098.52	1098.52
145.0	1197.12	1198.28	1199.44	1200.60	1200.60	1201.76	1201.76	1201.76	1201.76
150.0	1287.60	1288.76	1288.76	1289.92	1289.92	1289.92	1289.92	1289.92	1289.92
155.0	1361.84	1361.84	1363.00	1363.00	1363.00	1363.00	1363.00	1363.00	1363.00
160.0	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84
165.0	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92	1463.92
170.0	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08	1494.08
175.0	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48	1511.48
180.0	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12	1516.12

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	530.93	N.A.	7.70
0-30	1088.15	N.A.	15.90
0-40	1631.68	N.A.	23.80
0-60	2483.9	N.A.	36.20
0-80	2887.06	N.A.	42.10
0-90	2949.89	N.A.	43.00
10-90	2831.99	N.A.	41.30
20-40	1100.75	N.A.	16.00
20-50	1652.06	N.A.	24.10
40-70	1114.31	N.A.	16.20
60-80	403.16	N.A.	5.90
70-80	141.07	N.A.	2.10
80-90	62.83	N.A.	0.90
90-110	250.58	N.A.	3.70
90-120	644.82	N.A.	9.40
90-130	1245.1	N.A.	18.10
90-150	2730.15	N.A.	39.80
90-180	3913.51	N.A.	57.00
110-180	3662.93	N.A.	53.40
0-180	6863.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.90
10-20	413.03
20-30	557.22
30-40	543.52
40-50	551.32
50-60	300.90
60-70	262.09
70-80	141.07
80-90	62.83
90-100	51.37
100-110	199.21
110-120	394.24
120-130	600.28
130-140	739.32
140-150	745.72
150-160	626.55
160-170	413.10
170-180	143.71

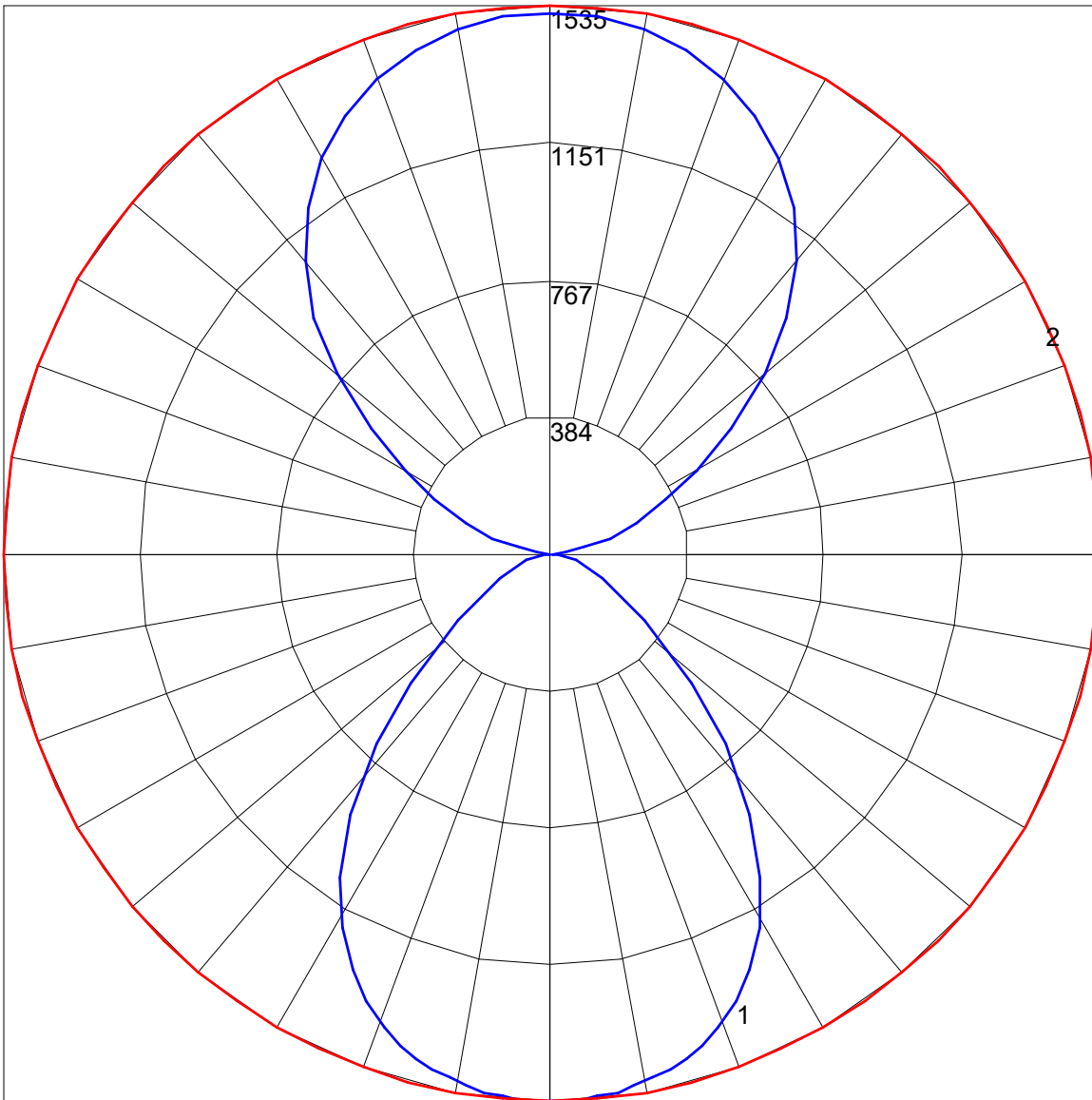
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	
0	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	97	92	89	85	88	85	81	79	70	68	66	57	55	54	44	43	43	37
2	88	81	75	70	81	75	70	65	62	58	55	50	48	46	40	38	37	32
3	81	72	65	59	74	66	60	55	55	51	47	45	42	39	36	34	32	27
4	74	64	56	51	68	59	52	47	49	44	41	40	37	34	32	30	28	24
5	68	57	49	44	62	53	46	41	44	39	35	37	33	30	29	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	29	27	27	24	22	19
7	58	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	42	35	30	50	39	33	28	33	28	25	28	24	21	23	20	18	15
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

POLAR GRAPH



Maximum Candela = 1534.68 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.)