

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric, up | 60° Symmetric, down | 80 CRI | SO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U1S2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	111	114	116	119
Total Lumens, 4' rail length (1219mm)	5643	5821	5940	6059
Lumens per foot (305mm)	1411	1455	1485	1515
Lumens per foot UP (305mm)	870	898	916	934
Lumens per foot DOWN (305mm)	541	558	569	580
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\_U1S2\_AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L031805803R01 (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-U1S2-AL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens up/60° symmetric 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	5940
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	51.29
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	3283	5879	11061
55	2060	3503	7683
65	1595	2391	5224
75	1231	1662	3519
85	601	853	1768

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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>	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72
<b>1.0</b>	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56
<b>3.0</b>	1490.60	1490.60	1490.60	1491.76	1491.76	1491.76	1491.76	1492.92	1492.92	1492.92
<b>5.0</b>	1477.84	1477.84	1477.84	1479.00	1480.16	1480.16	1481.32	1482.48	1483.64	1484.80
<b>7.0</b>	1458.12	1458.12	1458.12	1459.28	1461.60	1462.76	1465.08	1467.40	1469.72	1472.04
<b>9.0</b>	1429.12	1430.28	1431.44	1432.60	1436.08	1438.40	1441.88	1446.52	1450.00	1454.64
<b>11.0</b>	1393.16	1394.32	1396.64	1398.96	1402.44	1408.24	1412.88	1419.84	1425.64	1431.44
<b>13.0</b>	1347.92	1349.08	1351.40	1356.04	1361.84	1368.80	1376.92	1385.04	1394.32	1403.60
<b>15.0</b>	1294.56	1295.72	1299.20	1305.00	1313.12	1322.40	1332.84	1345.60	1357.20	1369.96
<b>17.0</b>	1230.76	1233.08	1237.72	1244.68	1255.12	1267.88	1281.80	1298.04	1314.28	1330.52
<b>19.5</b>	1140.28	1142.60	1149.56	1158.84	1172.76	1189.00	1207.56	1228.44	1251.64	1272.52
<b>22.5</b>	1017.32	1019.64	1028.92	1041.68	1059.08	1079.96	1105.48	1132.16	1161.16	1191.32
<b>25.5</b>	883.92	887.40	896.68	911.76	932.64	959.32	989.48	1023.12	1059.08	1096.20
<b>29.0</b>	726.16	728.48	738.92	756.32	780.68	809.68	844.48	885.08	929.16	973.24
<b>33.0</b>	556.80	560.28	570.72	586.96	612.48	642.64	679.76	721.52	770.24	820.12
<b>37.5</b>	399.04	402.52	411.80	426.88	447.76	475.60	509.24	549.84	597.40	648.44
<b>42.5</b>	272.60	274.92	281.88	293.48	309.72	330.60	358.44	392.08	431.52	476.76
<b>47.5</b>	191.40	192.56	197.20	205.32	215.76	230.84	250.56	274.92	303.92	338.72
<b>55.0</b>	121.80	122.96	125.28	128.76	134.56	142.68	151.96	165.88	182.12	201.84
<b>65.0</b>	73.08	73.08	74.24	75.40	77.72	81.20	84.68	90.48	96.28	105.56
<b>75.0</b>	38.28	38.28	38.28	39.44	39.44	40.60	41.76	44.08	46.40	48.72
<b>85.0</b>	9.28	9.28	9.28	9.28	10.44	10.44	10.44	10.44	10.44	11.60
<b>90.0</b>	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
<b>95.0</b>	34.80	34.80	34.80	34.80	34.80	34.80	34.80	35.96	35.96	35.96
<b>100.0</b>	88.16	88.16	88.16	89.32	89.32	90.48	91.64	91.64	92.80	93.96
<b>105.0</b>	155.44	155.44	156.60	156.60	158.92	160.08	162.40	163.56	165.88	169.36
<b>110.0</b>	238.96	238.96	240.12	242.44	243.60	247.08	249.40	252.88	256.36	259.84
<b>115.0</b>	338.72	339.88	341.04	343.36	345.68	349.16	352.64	357.28	361.92	366.56
<b>120.0</b>	454.72	454.72	457.04	459.36	462.84	466.32	470.96	476.76	482.56	488.36
<b>125.0</b>	583.48	583.48	585.80	588.12	591.60	596.24	600.88	607.84	613.64	620.60
<b>130.0</b>	720.36	721.52	722.68	726.16	729.64	734.28	738.92	745.88	751.68	758.64
<b>135.0</b>	859.56	860.72	861.88	864.20	867.68	872.32	876.96	881.60	887.40	892.04
<b>140.0</b>	991.80	991.80	994.12	995.28	998.76	1001.08	1004.56	1009.20	1012.68	1016.16
<b>145.0</b>	1108.96	1108.96	1110.12	1111.28	1113.60	1114.76	1117.08	1119.40	1121.72	1124.04
<b>150.0</b>	1206.40	1206.40	1206.40	1207.56	1208.72	1209.88	1209.88	1211.04	1212.20	1213.36
<b>155.0</b>	1284.12	1284.12	1284.12	1284.12	1285.28	1285.28	1286.44	1286.44	1287.60	1288.76
<b>160.0</b>	1345.60	1345.60	1345.60	1345.60	1345.60	1346.76	1346.76	1347.92	1347.92	1349.08
<b>165.0</b>	1392.00	1392.00	1392.00	1392.00	1393.16	1393.16	1394.32	1394.32	1395.48	1396.64
<b>170.0</b>	1427.96	1427.96	1427.96	1429.12	1429.12	1429.12	1430.28	1430.28	1431.44	1432.60
<b>175.0</b>	1453.48	1453.48	1453.48	1453.48	1453.48	1453.48	1453.48	1453.48	1454.64	1454.64
<b>180.0</b>	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76

**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>	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72
<b>1.0</b>	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56	1497.56
<b>3.0</b>	1494.08	1494.08	1495.24	1495.24	1495.24	1495.24	1495.24	1496.40	1495.24
<b>5.0</b>	1485.96	1487.12	1488.28	1489.44	1490.60	1490.60	1491.76	1491.76	1491.76
<b>7.0</b>	1474.36	1476.68	1479.00	1481.32	1482.48	1483.64	1484.80	1485.96	1485.96
<b>9.0</b>	1458.12	1462.76	1466.24	1469.72	1472.04	1474.36	1475.52	1476.68	1477.84
<b>11.0</b>	1438.40	1444.20	1450.00	1454.64	1459.28	1462.76	1465.08	1466.24	1466.24
<b>13.0</b>	1412.88	1421.00	1429.12	1436.08	1441.88	1447.68	1450.00	1452.32	1453.48
<b>15.0</b>	1382.72	1394.32	1405.92	1414.04	1422.16	1429.12	1433.76	1436.08	1437.24

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_SO\_35\_U1S2\_AL.IES****CANDELA TABULATION - (Cont.)**

<b>17.0</b>	1346.76	1363.00	1376.92	1388.52	1398.96	1407.08	1412.88	1416.36	1417.52
<b>19.5</b>	1294.56	1315.44	1334.00	1350.24	1364.16	1374.60	1381.56	1386.20	1388.52
<b>22.5</b>	1220.32	1248.16	1273.68	1295.72	1313.12	1328.20	1337.48	1343.28	1345.60
<b>25.5</b>	1134.48	1169.28	1201.76	1229.60	1252.80	1271.36	1284.12	1291.08	1293.40
<b>29.0</b>	1019.64	1063.72	1103.16	1139.12	1168.12	1191.32	1207.56	1216.84	1220.32
<b>33.0</b>	873.48	925.68	975.56	1019.64	1055.60	1084.60	1103.16	1114.76	1119.40
<b>37.5</b>	705.28	762.12	816.64	867.68	909.44	943.08	966.28	980.20	984.84
<b>42.5</b>	528.96	583.48	638.00	690.20	733.12	770.24	794.60	809.68	814.32
<b>47.5</b>	380.48	425.72	473.28	520.84	561.44	596.24	620.60	635.68	640.32
<b>55.0</b>	227.36	255.20	285.36	317.84	346.84	373.52	393.24	406.00	410.64
<b>65.0</b>	114.84	127.60	141.52	155.44	170.52	184.44	196.04	203.00	206.48
<b>75.0</b>	52.20	56.84	61.48	67.28	73.08	77.72	82.36	85.84	85.84
<b>85.0</b>	11.60	11.60	12.76	12.76	13.92	13.92	15.08	15.08	15.08
<b>90.0</b>	1.16	1.16	1.16	1.16	1.16	0.00	0.00	0.00	0.00
<b>95.0</b>	35.96	35.96	35.96	35.96	35.96	35.96	34.80	34.80	34.80
<b>100.0</b>	95.12	96.28	97.44	98.60	98.60	98.60	98.60	98.60	98.60
<b>105.0</b>	171.68	172.84	176.32	177.48	178.64	179.80	180.96	180.96	180.96
<b>110.0</b>	264.48	267.96	271.44	273.76	276.08	278.40	279.56	279.56	280.72
<b>115.0</b>	372.36	377.00	381.64	385.12	388.60	390.92	392.08	393.24	393.24
<b>120.0</b>	494.16	499.96	505.76	509.24	512.72	516.20	518.52	519.68	520.84
<b>125.0</b>	627.56	633.36	638.00	642.64	646.12	649.60	651.92	654.24	655.40
<b>130.0</b>	764.44	770.24	774.88	778.36	781.84	785.32	787.64	789.96	791.12
<b>135.0</b>	897.84	901.32	904.80	908.28	911.76	914.08	917.56	921.04	922.20
<b>140.0</b>	1019.64	1021.96	1024.28	1027.76	1030.08	1033.56	1037.04	1039.36	1040.52
<b>145.0</b>	1125.20	1127.52	1129.84	1132.16	1134.48	1137.96	1140.28	1142.60	1144.92
<b>150.0</b>	1215.68	1216.84	1218.00	1220.32	1223.80	1226.12	1229.60	1230.76	1231.92
<b>155.0</b>	1289.92	1291.08	1293.40	1295.72	1298.04	1300.36	1302.68	1303.84	1305.00
<b>160.0</b>	1350.24	1352.56	1353.72	1356.04	1357.20	1359.52	1360.68	1361.84	1363.00
<b>165.0</b>	1397.80	1398.96	1400.12	1402.44	1403.60	1404.76	1405.92	1407.08	1407.08
<b>170.0</b>	1432.60	1433.76	1434.92	1436.08	1436.08	1437.24	1438.40	1438.40	1438.40
<b>175.0</b>	1454.64	1454.64	1455.80	1455.80	1455.80	1455.80	1455.80	1455.80	1456.96
<b>180.0</b>	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76	1462.76

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	500.16	N.A.	8.40
0-30	979.02	N.A.	16.50
0-40	1396.92	N.A.	23.50
0-60	1976.1	N.A.	33.30
0-80	2236.37	N.A.	37.60
0-90	2276.14	N.A.	38.30
10-90	2161.93	N.A.	36.40
20-40	896.77	N.A.	15.10
20-50	1278.89	N.A.	21.50
40-70	748.31	N.A.	12.60
60-80	260.26	N.A.	4.40
70-80	91.13	N.A.	1.50
80-90	39.77	N.A.	0.70
90-110	227.57	N.A.	3.80
90-120	594.15	N.A.	10.00
90-130	1149.34	N.A.	19.30
90-150	2536.65	N.A.	42.70
90-180	3663.76	N.A.	61.70
110-180	3436.19	N.A.	57.80
0-180	5939.9	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	114.20
10-20	385.95
20-30	478.87
30-40	417.90
40-50	382.12
50-60	197.06
60-70	169.13
70-80	91.13
80-90	39.77
90-100	45.25
100-110	182.33
110-120	366.58
120-130	555.18
130-140	685.74
140-150	701.57
150-160	594.44
160-170	394.51
170-180	138.16

**IES INDOOR REPORT**

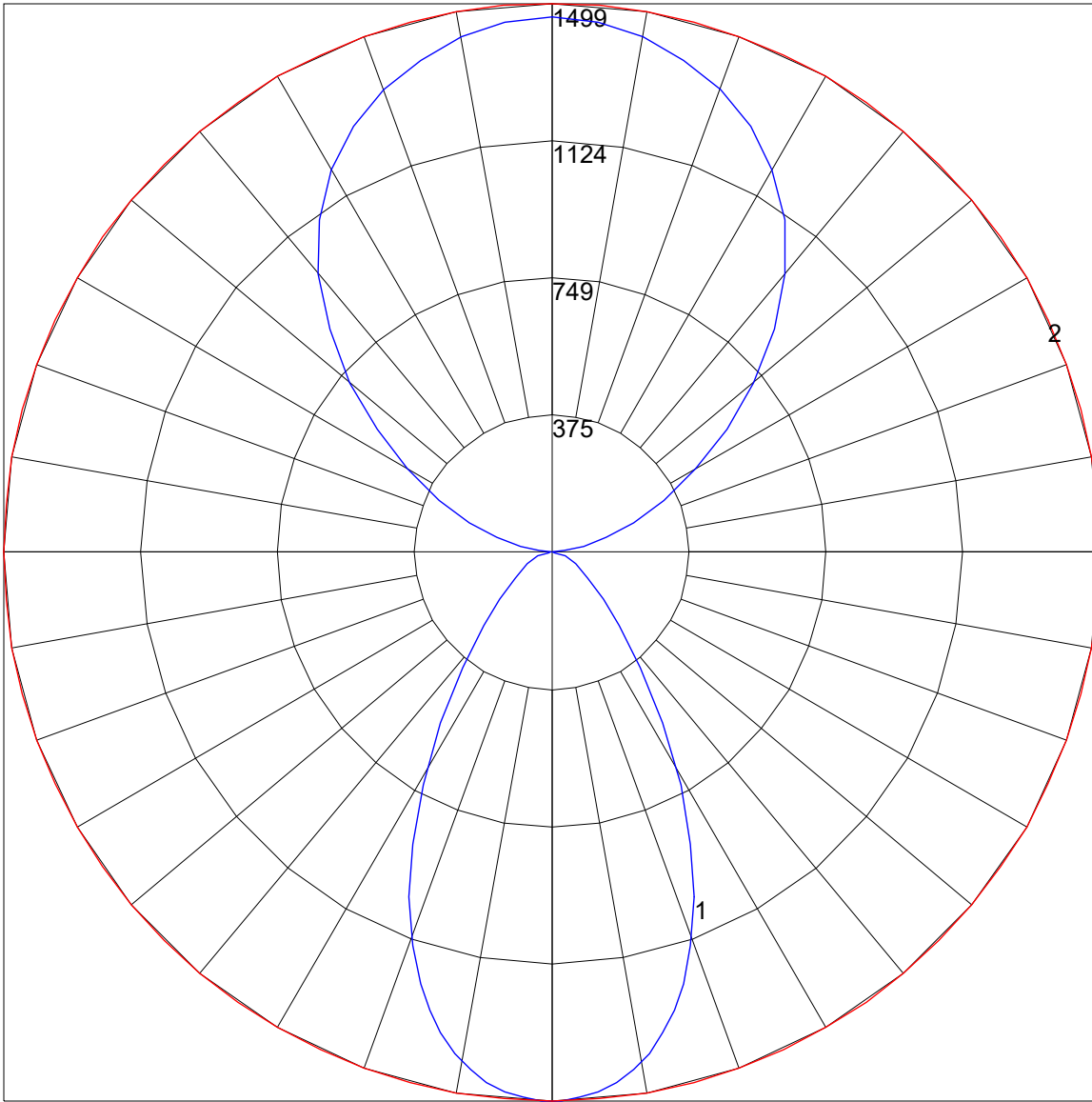
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_SO\_35\_U1S2\_AL.IES**

**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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	92	88	85	87	83	80	78	68	66	64	54	53	51	41	40	39	33
2	88	81	75	70	80	74	69	65	60	57	54	48	46	44	37	36	34	29
3	81	72	65	60	73	66	60	55	54	50	46	43	41	38	33	32	30	26
4	74	64	57	51	67	59	52	47	49	44	40	39	36	33	30	28	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	29	28	26	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	26	23	21	18
7	59	47	40	34	53	43	37	32	36	31	28	30	26	24	24	21	19	17
8	54	43	36	31	50	40	33	29	33	28	25	27	24	21	22	19	18	15
9	51	39	32	27	46	36	30	26	31	26	23	25	22	19	20	18	16	14
10	48	36	29	25	43	34	27	23	28	24	20	24	20	18	19	17	15	13

POLAR GRAPH



Maximum Candela = 1498.72 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)