

## IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2S2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	122	126	128	128
Total Lumens, 4' rail length (1219mm)	6334	6534	6667	6667
Lumens per foot (305mm)	1583	1633	1667	1667
Lumens per foot UP (305mm)	995	1026	1047	1047
Lumens per foot DOWN (305mm)	589	607	620	620
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

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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\_U2S2.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911553 (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-U2S2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edge glow up/60°

[MORE] 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	6667
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	52.24
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)	0.26 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	4448	6994	8956
55	2613	4212	6135
65	1910	2816	4572
75	1448	1991	3383
85	810	1082	2093

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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>	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28
<b>1.0</b>	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28
<b>3.0</b>	1542.80	1542.80	1542.80	1542.80	1543.96	1543.96	1543.96	1543.96	1543.96	1543.96
<b>5.0</b>	1534.68	1534.68	1534.68	1534.68	1535.84	1535.84	1537.00	1537.00	1538.16	1538.16
<b>7.0</b>	1520.76	1520.76	1521.92	1521.92	1523.08	1524.24	1525.40	1526.56	1527.72	1528.88
<b>9.0</b>	1501.04	1501.04	1502.20	1503.36	1504.52	1505.68	1508.00	1510.32	1512.64	1513.80
<b>11.0</b>	1475.52	1475.52	1476.68	1479.00	1481.32	1483.64	1485.96	1489.44	1492.92	1496.40
<b>13.0</b>	1444.20	1444.20	1445.36	1447.68	1451.16	1454.64	1459.28	1463.92	1468.56	1473.20
<b>15.0</b>	1404.76	1405.92	1408.24	1411.72	1415.20	1421.00	1426.80	1433.76	1439.56	1446.52
<b>17.0</b>	1358.36	1359.52	1363.00	1367.64	1373.44	1380.40	1388.52	1396.64	1405.92	1414.04
<b>19.5</b>	1289.92	1292.24	1295.72	1302.68	1310.80	1321.24	1331.68	1343.28	1354.88	1366.48
<b>22.5</b>	1191.32	1192.48	1198.28	1207.56	1219.16	1233.08	1248.16	1264.40	1280.64	1295.72
<b>25.5</b>	1075.32	1077.64	1084.60	1096.20	1112.44	1131.00	1150.72	1171.60	1192.48	1212.20
<b>29.0</b>	925.68	928.00	937.28	952.36	972.08	995.28	1020.80	1047.48	1074.16	1099.68
<b>33.0</b>	745.88	749.36	759.80	777.20	799.24	827.08	857.24	889.72	922.20	952.36
<b>37.5</b>	555.64	560.28	570.72	588.12	611.32	639.16	671.64	706.44	742.40	776.04
<b>42.5</b>	386.28	388.60	397.88	412.96	432.68	458.20	486.04	518.52	552.16	584.64
<b>47.5</b>	265.64	267.96	274.92	285.36	300.44	320.16	342.20	367.72	395.56	422.24
<b>55.0</b>	160.08	161.24	164.72	170.52	178.64	190.24	203.00	218.08	234.32	251.72
<b>65.0</b>	90.48	90.48	91.64	95.12	97.44	102.08	107.88	113.68	121.80	128.76
<b>75.0</b>	46.40	46.40	47.56	48.72	49.88	51.04	53.36	55.68	58.00	60.32
<b>85.0</b>	12.76	12.76	12.76	12.76	12.76	12.76	13.92	13.92	13.92	15.08
<b>90.0</b>	24.36	24.36	24.36	23.20	22.04	20.88	19.72	18.56	16.24	15.08
<b>95.0</b>	56.84	56.84	56.84	55.68	55.68	54.52	53.36	52.20	51.04	48.72
<b>100.0</b>	102.08	102.08	102.08	103.24	103.24	103.24	104.40	105.56	106.72	109.04
<b>105.0</b>	174.00	175.16	176.32	177.48	179.80	183.28	186.76	190.24	193.72	197.20
<b>110.0</b>	274.92	274.92	276.08	278.40	281.88	285.36	290.00	293.48	298.12	303.92
<b>115.0</b>	395.56	396.72	397.88	400.20	403.68	408.32	414.12	421.08	426.88	432.68
<b>120.0</b>	540.56	541.72	544.04	546.36	551.00	555.64	560.28	566.08	573.04	580.00
<b>125.0</b>	699.48	699.48	701.80	704.12	707.60	712.24	718.04	725.00	733.12	740.08
<b>130.0</b>	860.72	860.72	863.04	865.36	870.00	875.80	880.44	886.24	890.88	895.52
<b>135.0</b>	1017.32	1017.32	1018.48	1020.80	1023.12	1025.44	1027.76	1031.24	1033.56	1037.04
<b>140.0</b>	1150.72	1150.72	1150.72	1151.88	1153.04	1155.36	1156.52	1157.68	1160.00	1161.16
<b>145.0</b>	1260.92	1260.92	1260.92	1262.08	1262.08	1263.24	1264.40	1264.40	1265.56	1266.72
<b>150.0</b>	1351.40	1351.40	1351.40	1352.56	1352.56	1352.56	1353.72	1353.72	1353.72	1354.88
<b>155.0</b>	1425.64	1425.64	1424.48	1424.48	1425.64	1425.64	1425.64	1425.64	1425.64	1426.80
<b>160.0</b>	1482.48	1483.64	1483.64	1483.64	1483.64	1483.64	1483.64	1483.64	1483.64	1484.80
<b>165.0</b>	1527.72	1527.72	1526.56	1527.72	1527.72	1527.72	1527.72	1527.72	1527.72	1527.72
<b>170.0</b>	1557.88	1557.88	1557.88	1557.88	1557.88	1557.88	1559.04	1559.04	1559.04	1559.04
<b>175.0</b>	1575.28	1575.28	1575.28	1575.28	1576.44	1576.44	1575.28	1575.28	1576.44	1575.28
<b>180.0</b>	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92

**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>
<b>0.0</b>	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28
<b>1.0</b>	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28	1546.28
<b>3.0</b>	1543.96	1545.12	1545.12	1545.12	1545.12	1545.12	1545.12	1545.12	1545.12
<b>5.0</b>	1539.32	1539.32	1540.48	1540.48	1540.48	1541.64	1541.64	1541.64	1541.64
<b>7.0</b>	1530.04	1531.20	1532.36	1533.52	1534.68	1534.68	1535.84	1535.84	1535.84
<b>9.0</b>	1517.28	1518.44	1520.76	1523.08	1524.24	1525.40	1526.56	1526.56	1526.56
<b>11.0</b>	1499.88	1502.20	1505.68	1508.00	1510.32	1512.64	1513.80	1513.80	1514.96
<b>13.0</b>	1479.00	1482.48	1487.12	1490.60	1492.92	1495.24	1497.56	1498.72	1498.72
<b>15.0</b>	1452.32	1458.12	1463.92	1468.56	1472.04	1475.52	1476.68	1477.84	1479.00

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	1422.16	1429.12	1436.08	1441.88	1446.52	1450.00	1452.32	1453.48	1454.64
<b>19.5</b>	1376.92	1386.20	1394.32	1401.28	1407.08	1411.72	1415.20	1416.36	1416.36
<b>22.5</b>	1309.64	1322.40	1332.84	1342.12	1349.08	1353.72	1357.20	1360.68	1360.68
<b>25.5</b>	1230.76	1245.84	1258.60	1269.04	1277.16	1284.12	1287.60	1289.92	1291.08
<b>29.0</b>	1121.72	1141.44	1157.68	1170.44	1179.72	1185.52	1190.16	1192.48	1192.48
<b>33.0</b>	980.20	1004.56	1023.12	1037.04	1046.32	1053.28	1056.76	1059.08	1059.08
<b>37.5</b>	807.36	832.88	853.76	867.68	878.12	883.92	887.40	888.56	889.72
<b>42.5</b>	615.96	641.48	661.20	675.12	684.40	691.36	694.84	696.00	697.16
<b>47.5</b>	448.92	470.96	488.36	502.28	512.72	519.68	524.32	526.64	527.80
<b>55.0</b>	269.12	284.20	298.12	309.72	320.16	329.44	335.24	338.72	341.04
<b>65.0</b>	136.88	146.16	154.28	162.40	170.52	177.48	183.28	186.76	187.92
<b>75.0</b>	63.80	67.28	70.76	74.24	77.72	81.20	83.52	85.84	85.84
<b>85.0</b>	15.08	16.24	16.24	17.40	17.40	17.40	18.56	18.56	18.56
<b>90.0</b>	12.76	11.60	9.28	8.12	6.96	5.80	4.64	3.48	3.48
<b>95.0</b>	47.56	47.56	46.40	46.40	46.40	46.40	46.40	46.40	46.40
<b>100.0</b>	111.36	113.68	114.84	116.00	117.16	117.16	119.48	119.48	119.48
<b>105.0</b>	199.52	203.00	205.32	207.64	211.12	213.44	214.60	214.60	214.60
<b>110.0</b>	308.56	313.20	317.84	323.64	327.12	329.44	330.60	330.60	330.60
<b>115.0</b>	438.48	445.44	452.40	458.20	460.52	462.84	464.00	465.16	465.16
<b>120.0</b>	589.28	596.24	600.88	605.52	609.00	611.32	612.48	613.64	613.64
<b>125.0</b>	747.04	751.68	756.32	758.64	762.12	764.44	764.44	765.60	766.76
<b>130.0</b>	899.00	902.48	905.96	908.28	910.60	911.76	912.92	912.92	912.92
<b>135.0</b>	1039.36	1041.68	1042.84	1045.16	1046.32	1047.48	1047.48	1048.64	1048.64
<b>140.0</b>	1162.32	1163.48	1164.64	1165.80	1165.80	1166.96	1166.96	1168.12	1168.12
<b>145.0</b>	1266.72	1267.88	1267.88	1269.04	1269.04	1270.20	1270.20	1270.20	1270.20
<b>150.0</b>	1354.88	1354.88	1356.04	1356.04	1356.04	1357.20	1357.20	1357.20	1357.20
<b>155.0</b>	1426.80	1426.80	1426.80	1427.96	1427.96	1427.96	1427.96	1427.96	1427.96
<b>160.0</b>	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80	1484.80	1485.96
<b>165.0</b>	1527.72	1527.72	1527.72	1528.88	1528.88	1528.88	1527.72	1527.72	1528.88
<b>170.0</b>	1557.88	1559.04	1559.04	1559.04	1559.04	1559.04	1559.04	1559.04	1559.04
<b>175.0</b>	1575.28	1575.28	1575.28	1576.44	1575.28	1576.44	1576.44	1576.44	1576.44
<b>180.0</b>	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92	1579.92

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	526.04	N.A.	7.90
0-30	1048.14	N.A.	15.70
0-40	1513.53	N.A.	22.70
0-60	2144.57	N.A.	32.20
0-80	2428.14	N.A.	36.40
0-90	2478.65	N.A.	37.20
10-90	2360.17	N.A.	35.40
20-40	987.49	N.A.	14.80
20-50	1407.1	N.A.	21.10
40-70	813.20	N.A.	12.20
60-80	283.56	N.A.	4.30
70-80	101.41	N.A.	1.50
80-90	50.51	N.A.	0.80
90-110	273.77	N.A.	4.10
90-120	706.06	N.A.	10.60
90-130	1363.87	N.A.	20.50
90-150	2950.04	N.A.	44.20
90-180	4188.43	N.A.	62.80
110-180	3914.66	N.A.	58.70
0-180	6667.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	118.48
10-20	407.56
20-30	522.10
30-40	465.39
40-50	419.62
50-60	211.43
60-70	182.15
70-80	101.41
80-90	50.51
90-100	61.43
100-110	212.34
110-120	432.29
120-130	657.80
130-140	795.54
140-150	790.63
150-160	657.21
160-170	431.33
170-180	149.85

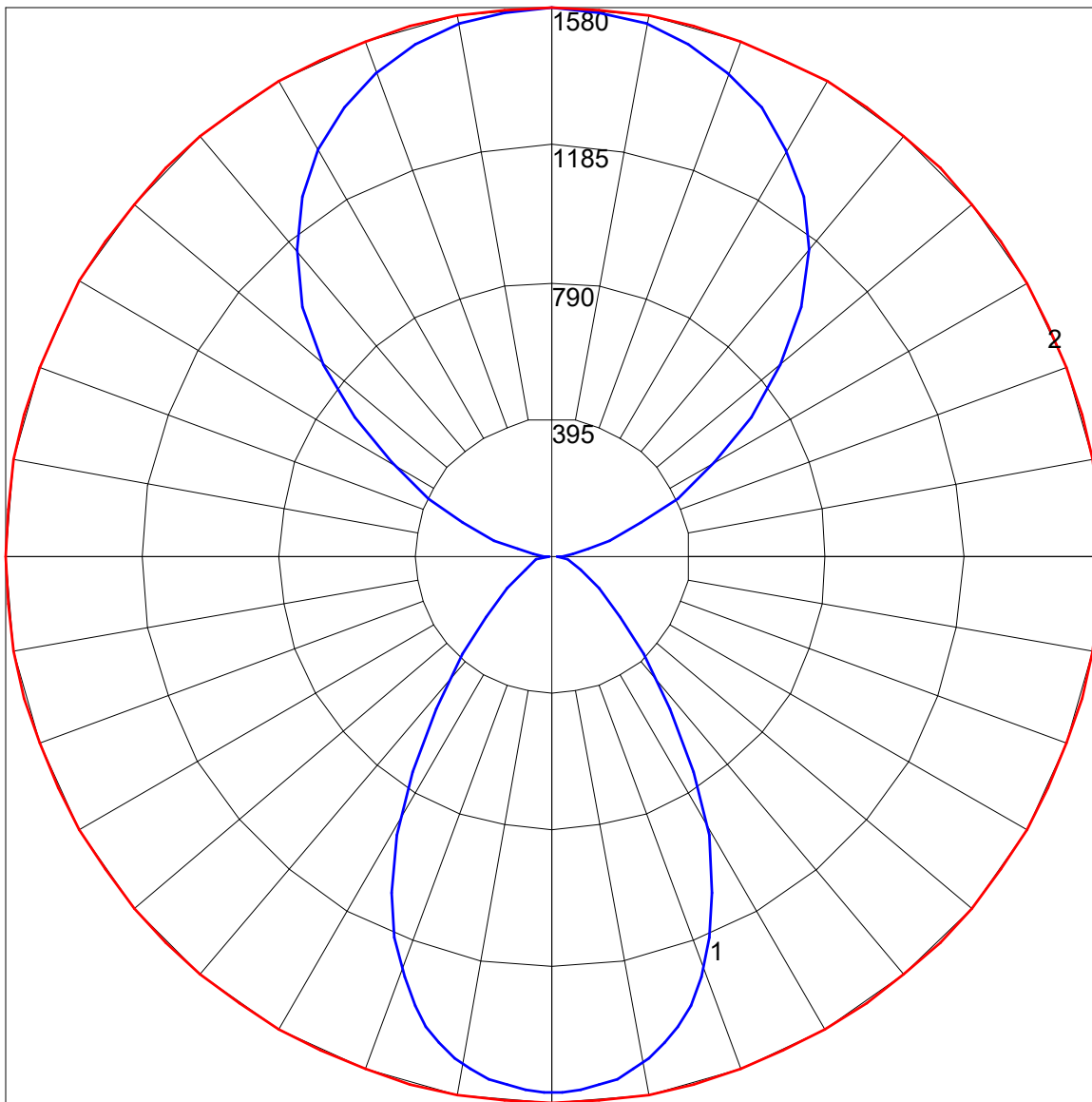
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28
3	80	71	65	59	73	65	59	55	53	49	46	43	40	37	33	31	29	25
4	74	64	56	51	67	58	52	47	48	43	40	38	35	33	30	28	26	22
5	68	57	50	44	62	52	46	41	43	38	35	35	32	29	27	25	23	20
6	63	51	44	38	57	47	41	36	39	34	31	32	28	26	25	23	21	18
7	58	47	39	34	53	43	36	32	36	31	27	29	26	23	23	21	19	16
8	54	43	35	30	49	39	33	28	33	28	25	27	23	21	21	19	17	15
9	50	39	32	27	46	36	30	25	30	25	22	25	21	19	20	17	16	13
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 1579.92 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.)