

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	110	113	116	118
Total Lumens, 4' rail length (1219mm)	5611	5789	5907	6025
Lumens per foot (305mm)	1403	1447	1477	1506
Lumens per foot UP (305mm)	873	901	919	938
Lumens per foot DOWN (305mm)	529	546	557	568
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.



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S2_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805804R01 (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-U2S2-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,
 [MORE] symmetric lens with edgeglow 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	5907
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	51.27
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	3136	5645	10523
55	2001	3362	7248
65	1545	2312	4960
75	1194	1622	3376
85	601	767	1632

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	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68
1.0	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1504.52	1505.68
3.0	1498.72	1498.72	1498.72	1498.72	1498.72	1498.72	1499.88	1499.88	1499.88	1501.04
5.0	1484.80	1484.80	1484.80	1485.96	1485.96	1487.12	1488.28	1489.44	1490.60	1491.76
7.0	1463.92	1463.92	1465.08	1466.24	1467.40	1469.72	1470.88	1473.20	1475.52	1479.00
9.0	1434.92	1434.92	1436.08	1438.40	1440.72	1444.20	1447.68	1451.16	1455.80	1460.44
11.0	1397.80	1397.80	1400.12	1402.44	1407.08	1411.72	1417.52	1423.32	1430.28	1437.24
13.0	1350.24	1351.40	1353.72	1358.36	1364.16	1371.12	1380.40	1388.52	1397.80	1408.24
15.0	1294.56	1295.72	1299.20	1305.00	1313.12	1323.56	1335.16	1346.76	1360.68	1373.44
17.0	1228.44	1230.76	1235.40	1243.52	1253.96	1266.72	1281.80	1298.04	1315.44	1331.68
19.5	1134.48	1136.80	1143.76	1154.20	1168.12	1185.52	1205.24	1227.28	1249.32	1272.52
22.5	1006.88	1009.20	1017.32	1031.24	1049.80	1071.84	1097.36	1126.36	1156.52	1186.68
25.5	868.84	872.32	881.60	897.84	919.88	946.56	977.88	1012.68	1050.96	1088.08
29.0	706.44	709.92	721.52	738.92	762.12	793.44	829.40	870.00	914.08	959.32
33.0	537.08	540.56	551.00	567.24	592.76	622.92	660.04	704.12	752.84	803.88
37.5	381.64	385.12	393.24	408.32	430.36	457.04	490.68	531.28	578.84	629.88
42.5	259.84	262.16	269.12	279.56	295.80	316.68	342.20	375.84	415.28	458.20
47.5	183.28	184.44	189.08	196.04	206.48	221.56	238.96	263.32	291.16	324.80
55.0	118.32	118.32	120.64	124.12	129.92	136.88	147.32	158.92	175.16	193.72
65.0	70.76	71.92	71.92	74.24	75.40	78.88	82.36	88.16	93.96	102.08
75.0	37.12	37.12	37.12	38.28	38.28	39.44	40.60	42.92	45.24	47.56
85.0	9.28	9.28	9.28	9.28	9.28	9.28	10.44	10.44	10.44	10.44
90.0	17.40	17.40	17.40	16.24	16.24	15.08	13.92	12.76	11.60	10.44
95.0	46.40	46.40	46.40	46.40	45.24	45.24	44.08	44.08	42.92	41.76
100.0	95.12	95.12	96.28	96.28	96.28	96.28	96.28	97.44	97.44	97.44
105.0	160.08	160.08	161.24	161.24	162.40	164.72	165.88	167.04	169.36	170.52
110.0	243.60	243.60	244.76	245.92	248.24	250.56	254.04	256.36	259.84	263.32
115.0	346.84	346.84	348.00	350.32	352.64	356.12	359.60	364.24	368.88	373.52
120.0	468.64	469.80	470.96	473.28	475.60	480.24	483.72	489.52	494.16	498.80
125.0	604.36	605.52	606.68	609.00	612.48	615.96	620.60	625.24	629.88	635.68
130.0	745.88	745.88	747.04	749.36	751.68	755.16	759.80	764.44	769.08	773.72
135.0	881.60	881.60	882.76	883.92	887.40	889.72	893.20	896.68	900.16	903.64
140.0	1005.72	1005.72	1006.88	1008.04	1009.20	1011.52	1013.84	1016.16	1017.32	1019.64
145.0	1112.44	1112.44	1112.44	1113.60	1114.76	1115.92	1117.08	1118.24	1119.40	1120.56
150.0	1200.60	1200.60	1200.60	1200.60	1201.76	1201.76	1202.92	1202.92	1204.08	1205.24
155.0	1271.36	1271.36	1271.36	1271.36	1272.52	1272.52	1272.52	1273.68	1273.68	1274.84
160.0	1328.20	1328.20	1328.20	1328.20	1329.36	1329.36	1329.36	1329.36	1329.36	1330.52
165.0	1372.28	1372.28	1372.28	1372.28	1372.28	1372.28	1372.28	1372.28	1372.28	1372.28
170.0	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44
175.0	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84
180.0	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64

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	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68
1.0	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68	1505.68
3.0	1501.04	1502.20	1502.20	1502.20	1503.36	1503.36	1503.36	1503.36	1503.36
5.0	1492.92	1494.08	1495.24	1496.40	1497.56	1498.72	1498.72	1498.72	1498.72
7.0	1481.32	1483.64	1485.96	1487.12	1489.44	1490.60	1491.76	1491.76	1491.76
9.0	1463.92	1468.56	1472.04	1475.52	1477.84	1480.16	1482.48	1483.64	1483.64
11.0	1443.04	1450.00	1454.64	1460.44	1463.92	1467.40	1469.72	1472.04	1472.04
13.0	1417.52	1425.64	1433.76	1440.72	1446.52	1452.32	1455.80	1456.96	1458.12
15.0	1386.20	1397.80	1408.24	1417.52	1425.64	1432.60	1437.24	1439.56	1440.72

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CANDELA TABULATION - (Cont.)

17.0	1347.92	1364.16	1378.08	1390.84	1401.28	1409.40	1415.20	1418.68	1419.84
19.5	1294.56	1315.44	1334.00	1351.40	1364.16	1374.60	1382.72	1387.36	1388.52
22.5	1216.84	1244.68	1270.20	1292.24	1309.64	1323.56	1334.00	1339.80	1340.96
25.5	1126.36	1162.32	1194.80	1222.64	1245.84	1263.24	1276.00	1282.96	1285.28
29.0	1006.88	1050.96	1091.56	1127.52	1155.36	1178.56	1193.64	1202.92	1205.24
33.0	857.24	909.44	958.16	1001.08	1035.88	1062.56	1082.28	1092.72	1096.20
37.5	685.56	741.24	794.60	843.32	882.76	915.24	936.12	948.88	953.52
42.5	509.24	561.44	612.48	661.20	702.96	737.76	760.96	773.72	778.36
47.5	364.24	407.16	451.24	494.16	532.44	563.76	586.96	600.88	605.52
55.0	216.92	242.44	270.28	300.44	328.28	352.64	371.20	382.80	387.44
65.0	111.36	122.96	135.72	149.64	162.40	176.32	186.76	193.72	196.04
75.0	51.04	55.68	59.16	64.96	69.60	74.24	78.88	81.20	82.36
85.0	11.60	11.60	11.60	12.76	12.76	13.92	13.92	13.92	13.92
90.0	9.28	8.12	6.96	5.80	4.64	3.48	2.32	1.16	1.16
95.0	40.60	40.60	39.44	38.28	37.12	37.12	35.96	34.80	34.80
100.0	97.44	98.60	98.60	98.60	98.60	97.44	97.44	97.44	96.28
105.0	172.84	174.00	176.32	177.48	177.48	178.64	178.64	178.64	177.48
110.0	266.80	269.12	272.60	273.76	276.08	277.24	277.24	277.24	277.24
115.0	378.16	381.64	385.12	388.60	390.92	392.08	393.24	393.24	393.24
120.0	504.60	509.24	513.88	517.36	519.68	522.00	523.16	523.16	523.16
125.0	640.32	644.96	649.60	653.08	655.40	657.72	658.88	658.88	660.04
130.0	777.20	781.84	785.32	787.64	789.96	791.12	792.28	793.44	793.44
135.0	907.12	909.44	911.76	914.08	915.24	916.40	917.56	917.56	918.72
140.0	1021.96	1023.12	1025.44	1026.60	1027.76	1028.92	1028.92	1030.08	1030.08
145.0	1121.72	1122.88	1124.04	1125.20	1125.20	1126.36	1126.36	1126.36	1126.36
150.0	1205.24	1206.40	1207.56	1207.56	1207.56	1208.72	1208.72	1208.72	1208.72
155.0	1274.84	1274.84	1276.00	1276.00	1276.00	1276.00	1276.00	1277.16	1277.16
160.0	1330.52	1330.52	1330.52	1330.52	1330.52	1330.52	1330.52	1330.52	1330.52
165.0	1372.28	1372.28	1372.28	1372.28	1372.28	1373.44	1373.44	1373.44	1373.44
170.0	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44	1402.44
175.0	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84	1419.84
180.0	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64	1425.64

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	501.25	N.A.	8.50
0-30	976.41	N.A.	16.50
0-40	1384.66	N.A.	23.40
0-60	1938.99	N.A.	32.80
0-80	2188.44	N.A.	37.10
0-90	2229.12	N.A.	37.70
10-90	2114.4	N.A.	35.80
20-40	883.40	N.A.	15.00
20-50	1250.18	N.A.	21.20
40-70	715.95	N.A.	12.10
60-80	249.45	N.A.	4.20
70-80	87.83	N.A.	1.50
80-90	40.68	N.A.	0.70
90-110	236.38	N.A.	4.00
90-120	608.37	N.A.	10.30
90-130	1175.61	N.A.	19.90
90-150	2568.46	N.A.	43.50
90-180	3677.56	N.A.	62.30
110-180	3441.18	N.A.	58.30
0-180	5906.68	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	114.72
10-20	386.53
20-30	475.15
30-40	408.25
40-50	366.78
50-60	187.55
60-70	161.62
70-80	87.83
80-90	40.68
90-100	51.81
100-110	184.57
110-120	371.98
120-130	567.25
130-140	693.62
140-150	699.22
150-160	586.81
160-170	387.31
170-180	134.98

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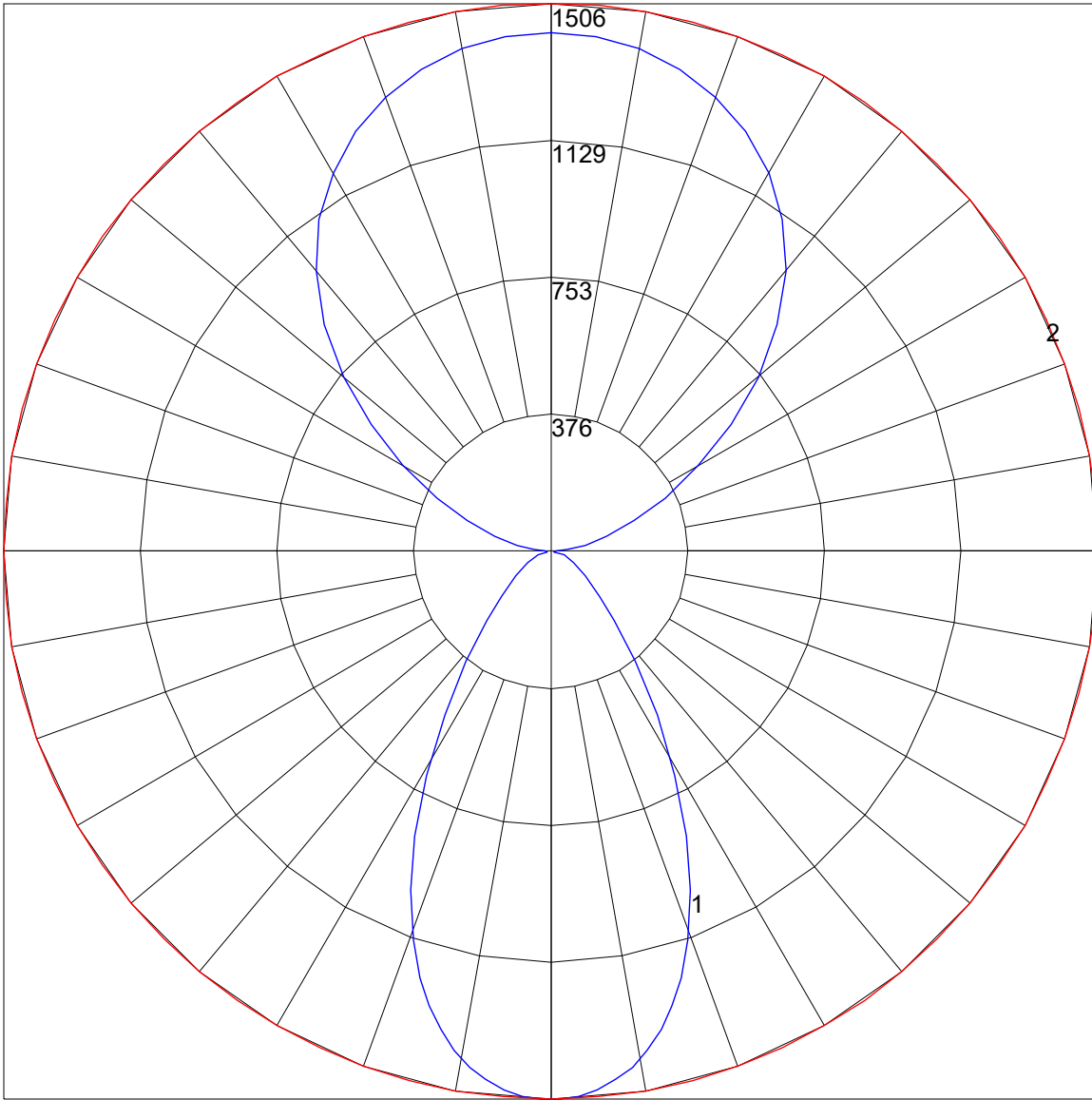
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2S2_AL.IES

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	52	51	40	40	39	33
2	88	81	75	70	79	74	69	65	60	57	54	48	46	44	37	35	34	29
3	80	72	65	60	73	66	60	55	54	50	46	43	40	38	33	31	30	25
4	74	64	57	51	67	59	52	47	48	44	40	39	36	33	30	28	26	23
5	68	57	50	44	62	53	46	41	44	39	35	35	32	29	28	25	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	25	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	28	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	21	24	20	18	19	17	15	13

POLAR GRAPH



Maximum Candela = 1505.68 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.)