



IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | SO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-SO-35-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	136	141	144	144
Total Lumens, 4' rail length (1219mm)	7104	7329	7478	7478
Lumens per foot (305mm)	1776	1832	1870	1870
Lumens per foot UP (305mm)	998	1030	1051	1051
Lumens per foot DOWN (305mm)	778	803	819	819
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_U2D2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911557 (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-U2D2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/soft

[MORE] diffuse 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	7478
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
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	10337	10491	11001
55	9715	9919	10621
65	8741	9032	9990
75	7057	7429	8778
85	3827	4327	6671

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PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2D2.IES

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	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52
1.0	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52
3.0	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36
5.0	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04
7.0	1118.24	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40
9.0	1113.60	1113.60	1113.60	1113.60	1113.60	1113.60	1113.60	1113.60	1113.60	1113.60
11.0	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48
13.0	1096.20	1096.20	1096.20	1096.20	1096.20	1096.20	1096.20	1096.20	1096.20	1096.20
15.0	1085.76	1085.76	1085.76	1085.76	1085.76	1085.76	1085.76	1084.60	1084.60	1084.60
17.0	1073.00	1073.00	1073.00	1073.00	1073.00	1073.00	1073.00	1073.00	1073.00	1073.00
19.5	1055.60	1055.60	1055.60	1055.60	1055.60	1055.60	1054.44	1054.44	1054.44	1054.44
22.5	1031.24	1031.24	1031.24	1031.24	1031.24	1030.08	1030.08	1030.08	1030.08	1030.08
25.5	1003.40	1003.40	1003.40	1003.40	1003.40	1003.40	1003.40	1002.24	1002.24	1002.24
29.0	968.60	968.60	967.44	967.44	967.44	967.44	967.44	967.44	966.28	966.28
33.0	922.20	922.20	922.20	922.20	922.20	922.20	921.04	921.04	921.04	919.88
37.5	865.36	865.36	865.36	865.36	865.36	864.20	864.20	864.20	863.04	863.04
42.5	795.76	795.76	795.76	795.76	794.60	794.60	794.60	793.44	793.44	793.44
47.5	719.20	719.20	719.20	719.20	719.20	718.04	718.04	718.04	716.88	716.88
55.0	595.08	595.08	595.08	595.08	595.08	595.08	593.92	593.92	593.92	592.76
65.0	414.12	414.12	414.12	414.12	414.12	414.12	412.96	412.96	412.96	412.96
75.0	226.20	226.20	226.20	226.20	225.04	225.04	225.04	225.04	225.04	225.04
85.0	60.32	60.32	60.32	60.32	60.32	60.32	60.32	60.32	60.32	60.32
90.0	30.16	30.16	30.16	29.00	27.84	26.68	25.52	23.20	20.88	18.56
95.0	67.28	67.28	66.12	66.12	64.96	63.80	62.64	61.48	60.32	58.00
100.0	120.64	120.64	120.64	120.64	121.80	121.80	121.80	122.96	122.96	124.12
105.0	199.52	199.52	199.52	200.68	201.84	203.00	205.32	206.48	207.64	208.80
110.0	294.64	294.64	295.80	298.12	299.28	302.76	305.08	308.56	310.88	314.36
115.0	411.80	412.96	414.12	416.44	418.76	422.24	425.72	429.20	433.84	438.48
120.0	548.68	548.68	551.00	553.32	555.64	560.28	564.92	570.72	576.52	582.32
125.0	700.64	701.80	702.96	705.28	709.92	713.40	719.20	723.84	729.64	735.44
130.0	859.56	859.56	860.72	863.04	866.52	870.00	874.64	879.28	882.76	886.24
135.0	1010.36	1010.36	1011.52	1013.84	1015.00	1018.48	1020.80	1023.12	1025.44	1027.76
140.0	1143.76	1143.76	1144.92	1146.08	1147.24	1148.40	1149.56	1150.72	1151.88	1154.20
145.0	1256.28	1256.28	1257.44	1257.44	1258.60	1258.60	1259.76	1260.92	1262.08	1262.08
150.0	1350.24	1350.24	1350.24	1350.24	1351.40	1351.40	1351.40	1352.56	1353.72	1353.72
155.0	1425.64	1425.64	1425.64	1426.80	1426.80	1426.80	1426.80	1426.80	1427.96	1427.96
160.0	1485.96	1485.96	1485.96	1487.12	1487.12	1487.12	1487.12	1487.12	1487.12	1487.12
165.0	1531.20	1531.20	1532.36	1531.20	1531.20	1531.20	1532.36	1532.36	1532.36	1532.36
170.0	1562.52	1563.68	1563.68	1563.68	1562.52	1563.68	1563.68	1563.68	1563.68	1563.68
175.0	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08
180.0	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72

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	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52
1.0	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52	1127.52
3.0	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36	1126.36
5.0	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04	1124.04
7.0	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40	1119.40
9.0	1112.44	1113.60	1112.44	1112.44	1112.44	1112.44	1112.44	1112.44	1112.44
11.0	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48	1105.48
13.0	1096.20	1096.20	1096.20	1095.04	1095.04	1095.04	1095.04	1095.04	1095.04
15.0	1084.60	1084.60	1084.60	1084.60	1084.60	1084.60	1084.60	1084.60	1084.60

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2D2.IES

CANDELA TABULATION - (Cont.)

17.0	1071.84	1071.84	1071.84	1071.84	1071.84	1071.84	1071.84	1071.84	1071.84
19.5	1054.44	1053.28	1053.28	1053.28	1054.44	1053.28	1053.28	1053.28	1053.28
22.5	1030.08	1028.92	1028.92	1028.92	1028.92	1028.92	1028.92	1028.92	1028.92
25.5	1002.24	1001.08	1001.08	1001.08	1001.08	1001.08	1001.08	1001.08	999.92
29.0	966.28	965.12	965.12	965.12	965.12	965.12	965.12	963.96	963.96
33.0	919.88	919.88	918.72	918.72	918.72	918.72	918.72	918.72	918.72
37.5	863.04	861.88	861.88	861.88	860.72	860.72	860.72	860.72	860.72
42.5	792.28	792.28	791.12	791.12	791.12	791.12	791.12	789.96	789.96
47.5	716.88	715.72	715.72	715.72	714.56	714.56	714.56	714.56	714.56
55.0	592.76	591.60	591.60	591.60	591.60	591.60	590.44	590.44	590.44
65.0	411.80	411.80	411.80	411.80	411.80	410.64	410.64	410.64	410.64
75.0	223.88	223.88	223.88	223.88	223.88	222.72	222.72	222.72	222.72
85.0	60.32	60.32	59.16	59.16	59.16	59.16	59.16	59.16	59.16
90.0	16.24	13.92	11.60	9.28	8.12	5.80	4.64	3.48	2.32
95.0	55.68	54.52	53.36	51.04	49.88	47.56	47.56	46.40	46.40
100.0	122.96	122.96	121.80	120.64	120.64	120.64	120.64	120.64	119.48
105.0	209.96	211.12	212.28	213.44	215.76	215.76	215.76	215.76	214.60
110.0	316.68	320.16	323.64	327.12	328.28	329.44	329.44	328.28	328.28
115.0	444.28	448.92	453.56	455.88	458.20	458.20	458.20	458.20	458.20
120.0	588.12	592.76	596.24	598.56	600.88	600.88	602.04	602.04	602.04
125.0	740.08	743.56	745.88	748.20	749.36	750.52	751.68	751.68	751.68
130.0	889.72	892.04	894.36	895.52	897.84	897.84	899.00	899.00	900.16
135.0	1030.08	1031.24	1032.40	1034.72	1035.88	1035.88	1037.04	1037.04	1037.04
140.0	1155.36	1156.52	1157.68	1158.84	1158.84	1160.00	1160.00	1160.00	1160.00
145.0	1263.24	1264.40	1265.56	1265.56	1265.56	1266.72	1266.72	1266.72	1266.72
150.0	1353.72	1354.88	1354.88	1356.04	1356.04	1356.04	1356.04	1356.04	1356.04
155.0	1427.96	1429.12	1429.12	1429.12	1429.12	1429.12	1430.28	1430.28	1429.12
160.0	1487.12	1487.12	1488.28	1487.12	1488.28	1488.28	1488.28	1488.28	1488.28
165.0	1532.36	1532.36	1532.36	1532.36	1532.36	1532.36	1532.36	1532.36	1532.36
170.0	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68	1563.68
175.0	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08	1581.08	1582.24	1581.08
180.0	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72	1585.72

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PHOTOMETRIC FILENAME : VODE_707_Z3_CC_SO_35_U2D2.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	393.50	N.A.	5.30
0-30	825.22	N.A.	11.00
0-40	1292.2	N.A.	17.30
0-60	2296.36	N.A.	30.70
0-80	3101.05	N.A.	41.50
0-90	3275.72	N.A.	43.80
10-90	3189.01	N.A.	42.60
20-40	898.70	N.A.	12.00
20-50	1483.06	N.A.	19.80
40-70	1481.05	N.A.	19.80
60-80	804.70	N.A.	10.80
70-80	327.81	N.A.	4.40
80-90	174.66	N.A.	2.30
90-110	293.93	N.A.	3.90
90-120	731.39	N.A.	9.80
90-130	1384.8	N.A.	18.50
90-150	2962.01	N.A.	39.60
90-180	4202.57	N.A.	56.20
110-180	3908.65	N.A.	52.30
0-180	7478.29	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.70
10-20	306.79
20-30	431.73
30-40	466.97
40-50	584.36
50-60	419.80
60-70	476.89
70-80	327.81
80-90	174.66
90-100	69.25
100-110	224.68
110-120	437.46
120-130	653.41
130-140	789.07
140-150	788.14
150-160	657.74
160-170	432.47
170-180	150.36

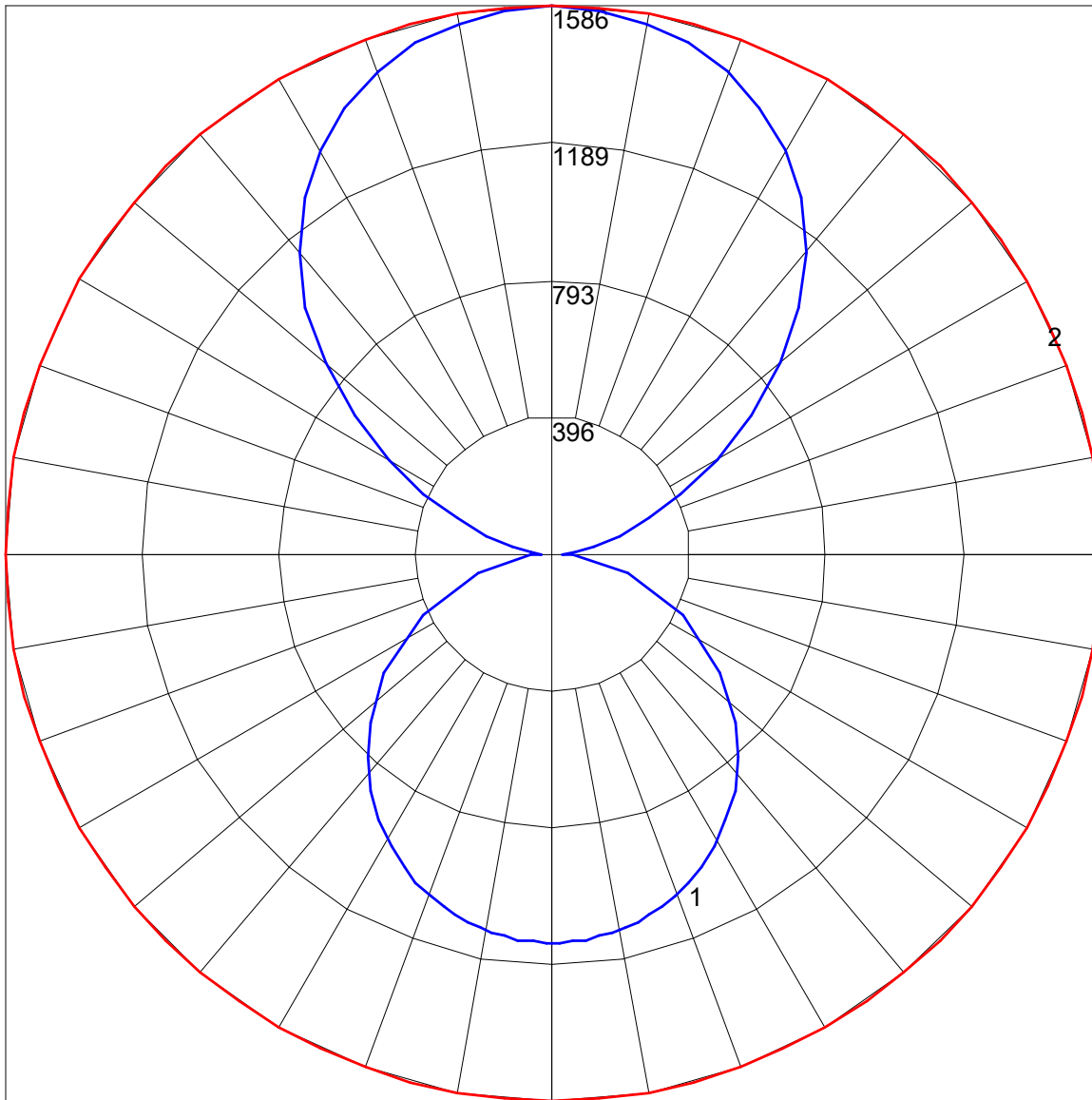
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	95	91	86	83	87	83	79	76	69	66	63	55	53	52	43	42	41	35
2	86	79	72	67	79	72	66	62	59	55	52	48	45	42	37	35	33	28
3	79	69	61	55	71	63	56	51	52	47	43	42	38	35	33	30	28	24
4	72	61	52	46	65	56	48	43	46	41	36	37	33	30	29	26	24	20
5	66	54	45	39	60	49	42	37	41	35	31	33	29	26	26	23	21	17
6	60	48	40	34	55	44	37	32	37	31	27	30	26	22	24	20	18	15
7	56	43	35	30	51	40	33	28	33	28	24	27	23	20	21	18	16	13
8	52	39	31	26	47	36	29	24	30	25	21	25	21	18	20	17	14	12
9	48	36	28	23	44	33	26	22	28	22	19	23	19	16	18	15	13	11
10	45	33	25	21	41	30	24	19	26	20	17	21	17	14	17	14	12	10

POLAR GRAPH



Maximum Candela = 1585.72 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.)