

IES Report

ZipWave® | 707 | Clear with EdgeSoft™ | 80 CRI | SO

707-Z9-4-48-AW / EW-XX-X-0-Z-SO-35-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	123	127	129	132
Total Lumens, 4' rail length (1219mm)	3259	3362	3430	3499
Lumens per foot (305mm)	815	840	858	875
Input Power (W), 4' rail length (1219mm)	26.6	26.6	26.6	26.6
Watts per foot (305mm)	6.7	6.7	6.7	6.7
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_Z9_AW_SO_35_C1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L101707603 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z9-48-AW--Z-SO-35-C1
[LUMINAIRE] ZipWave LED, 48", wall cove, 3500K, 80 CRI, zipper board,
[MORE] clear lens w/edge softening, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3430
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	26.61
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	5.80	5.80	5.80	5.80	5.80	5.80	4.64	4.64	4.64	3.48
95	26.68	26.68	26.68	26.68	26.68	26.68	27.84	27.84	27.84	29.00
100	70.76	70.76	70.76	71.92	71.92	73.08	74.24	75.40	76.56	77.72
105	129.92	131.08	131.08	132.24	133.40	134.56	136.88	139.20	142.68	145.00
110	203.00	203.00	204.16	205.32	207.64	211.12	214.60	218.08	222.72	227.36
115	293.48	293.48	294.64	296.96	299.28	303.92	308.56	314.36	321.32	327.12
120	399.04	400.20	402.52	404.84	409.48	414.12	421.08	428.04	436.16	444.28
125	524.32	524.32	526.64	530.12	535.92	541.72	548.68	556.80	564.92	574.20
130	661.20	661.20	663.52	668.16	672.80	678.60	685.56	692.52	699.48	707.60
135	799.24	799.24	801.56	805.04	808.52	813.16	818.96	824.76	830.56	837.52
140	926.84	928.00	929.16	931.48	933.80	937.28	941.92	946.56	951.20	957.00
145	1039.36	1039.36	1040.52	1041.68	1044.00	1046.32	1049.80	1053.28	1057.92	1063.72
150	1134.48	1134.48	1134.48	1136.80	1137.96	1140.28	1143.76	1147.24	1150.72	1154.20
155	1215.68	1215.68	1215.68	1216.84	1218.00	1220.32	1222.64	1224.96	1227.28	1229.60
160	1280.64	1280.64	1281.80	1281.80	1282.96	1284.12	1285.28	1286.44	1287.60	1288.76
165	1330.52	1330.52	1330.52	1330.52	1331.68	1331.68	1331.68	1332.84	1332.84	1334.00
170	1363.00	1364.16	1364.16	1364.16	1364.16	1364.16	1364.16	1365.32	1365.32	1365.32
175	1382.72	1383.88	1382.72	1383.88	1383.88	1382.72	1383.88	1383.88	1383.88	1383.88
180	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	3.48	3.48	2.32	2.32	2.32	1.16	1.16	1.16	1.16
95	29.00	29.00	30.16	30.16	30.16	31.32	31.32	31.32	31.32
100	80.04	82.36	83.52	85.84	87.00	88.16	89.32	89.32	89.32
105	148.48	151.96	155.44	158.92	161.24	163.56	165.88	167.04	168.20
110	233.16	237.80	243.60	248.24	251.72	256.36	258.68	261.00	262.16
115	335.24	342.20	348.00	354.96	360.76	365.40	370.04	373.52	374.68
120	452.40	460.52	468.64	475.60	482.56	489.52	495.32	498.80	499.96
125	582.32	591.60	598.56	606.68	614.80	622.92	628.72	632.20	633.36
130	715.72	723.84	731.96	740.08	748.20	755.16	760.96	764.44	765.60
135	844.48	851.44	859.56	867.68	874.64	880.44	885.08	887.40	888.56
140	962.80	969.76	976.72	982.52	988.32	992.96	996.44	998.76	998.76
145	1068.36	1074.16	1078.80	1083.44	1088.08	1090.40	1092.72	1095.04	1095.04
150	1158.84	1162.32	1164.64	1168.12	1171.60	1173.92	1175.08	1175.08	1176.24
155	1231.92	1234.24	1236.56	1238.88	1240.04	1241.20	1242.36	1242.36	1242.36
160	1291.08	1291.08	1293.40	1293.40	1294.56	1295.72	1295.72	1296.88	1295.72
165	1335.16	1335.16	1336.32	1336.32	1337.48	1337.48	1337.48	1337.48	1337.48
170	1365.32	1366.48	1366.48	1366.48	1366.48	1366.48	1366.48	1367.64	1366.48
175	1383.88	1383.88	1383.88	1383.88	1383.88	1383.88	1383.88	1383.88	1383.88
180	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68	1389.68

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	1.02	N.A.	0.00
10-90	1.02	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	1.02	N.A.	0.00
90-110	197.37	N.A.	5.80
90-120	527.95	N.A.	15.40
90-130	1043.71	N.A.	30.40
90-150	2355.49	N.A.	68.70
90-180	3429.1	N.A.	100.00
110-180	3231.73	N.A.	94.20
0-180	3430.12	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	1.02
90-100	38.26
100-110	159.11
110-120	330.58
120-130	515.76
130-140	646.90
140-150	664.88
150-160	565.81
160-170	376.30
170-180	131.50

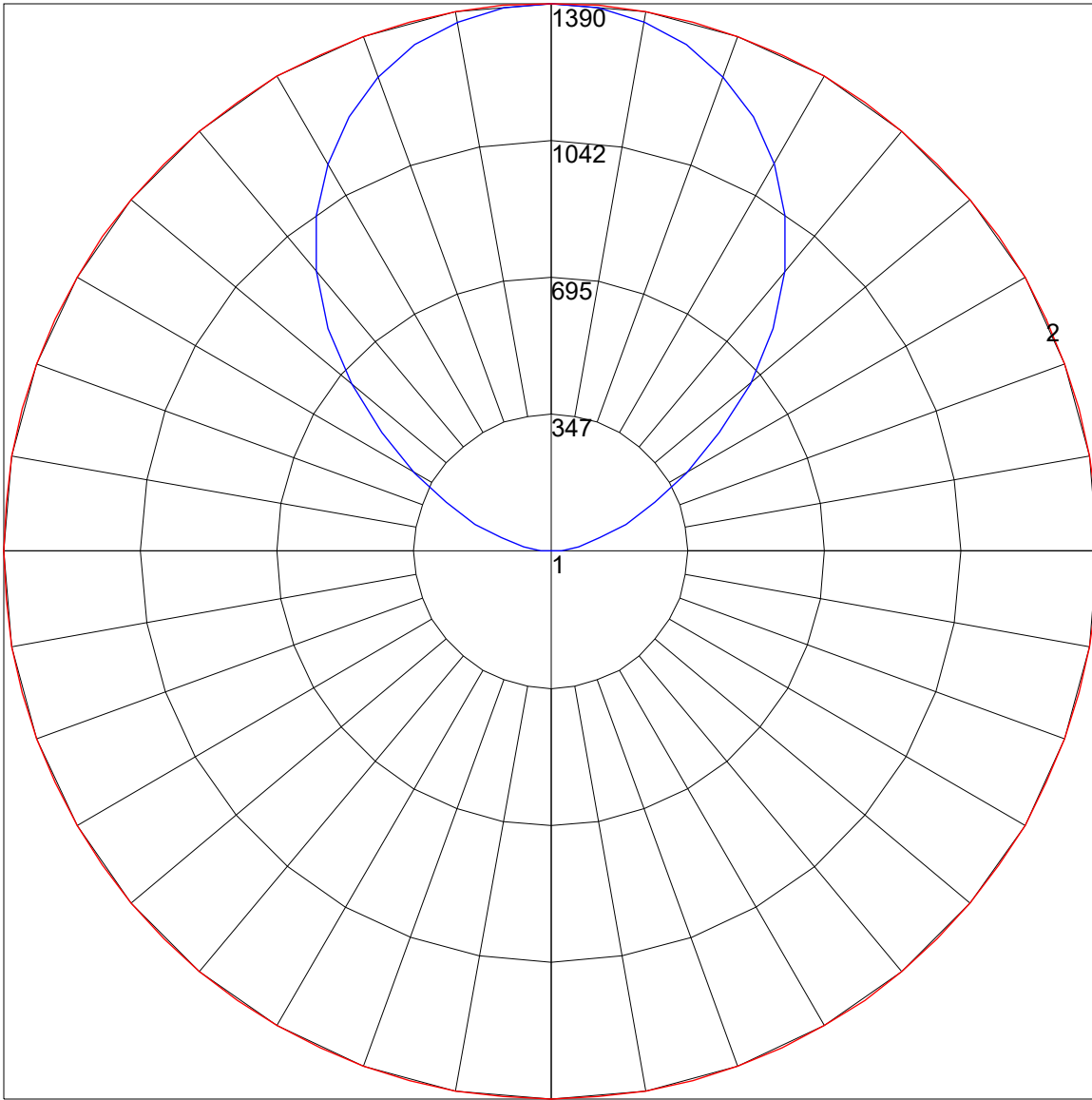
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 1389.68 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)