

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	108
Total Lumens, 4' rail length (1219mm)	1629	1681	1715	1749
Lumens per foot (305mm)	407	420	429	437
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
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_LO_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-LO-35-C1
[LUMINAIRE] ZipWave LED, 48", wall cove, 3500K, 80 CRI, zipper board,
[MORE] clear lens w/edge softening, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1715
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	16.25
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	2.90	2.90	2.90	2.90	2.90	2.90	2.32	2.32	2.32	1.74
95	13.34	13.34	13.34	13.34	13.34	13.34	13.92	13.92	13.92	14.50
100	35.38	35.38	35.38	35.96	35.96	36.54	37.12	37.70	38.28	38.86
105	64.96	65.54	65.54	66.12	66.70	67.28	68.44	69.60	71.34	72.50
110	101.50	101.50	102.08	102.66	103.82	105.56	107.30	109.04	111.36	113.68
115	146.74	146.74	147.32	148.48	149.64	151.96	154.28	157.18	160.66	163.56
120	199.52	200.10	201.26	202.42	204.74	207.06	210.54	214.02	218.08	222.14
125	262.16	262.16	263.32	265.06	267.96	270.86	274.34	278.40	282.46	287.10
130	330.60	330.60	331.76	334.08	336.40	339.30	342.78	346.26	349.74	353.80
135	399.62	399.62	400.78	402.52	404.26	406.58	409.48	412.38	415.28	418.76
140	463.42	464.00	464.58	465.74	466.90	468.64	470.96	473.28	475.60	478.50
145	519.68	519.68	520.26	520.84	522.00	523.16	524.90	526.64	528.96	531.86
150	567.24	567.24	567.24	568.40	568.98	570.14	571.88	573.62	575.36	577.10
155	607.84	607.84	607.84	608.42	609.00	610.16	611.32	612.48	613.64	614.80
160	640.32	640.32	640.90	640.90	641.48	642.06	642.64	643.22	643.80	644.38
165	665.26	665.26	665.26	665.26	665.84	665.84	665.84	666.42	666.42	667.00
170	681.50	682.08	682.08	682.08	682.08	682.08	682.08	682.66	682.66	682.66
175	691.36	691.94	691.36	691.94	691.94	691.36	691.94	691.94	691.94	691.94
180	694.84	694.84	694.84	694.84	694.84	694.84	694.84	694.84	694.84	694.84

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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PHOTOMETRIC FILENAME : VODE_707_Z9_AW_LO_35_C1.IES

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	1.74	1.74	1.16	1.16	1.16	0.58	0.58	0.58	0.58
95	14.50	14.50	15.08	15.08	15.08	15.66	15.66	15.66	15.66
100	40.02	41.18	41.76	42.92	43.50	44.08	44.66	44.66	44.66
105	74.24	75.98	77.72	79.46	80.62	81.78	82.94	83.52	84.10
110	116.58	118.90	121.80	124.12	125.86	128.18	129.34	130.50	131.08
115	167.62	171.10	174.00	177.48	180.38	182.70	185.02	186.76	187.34
120	226.20	230.26	234.32	237.80	241.28	244.76	247.66	249.40	249.98
125	291.16	295.80	299.28	303.34	307.40	311.46	314.36	316.10	316.68
130	357.86	361.92	365.98	370.04	374.10	377.58	380.48	382.22	382.80
135	422.24	425.72	429.78	433.84	437.32	440.22	442.54	443.70	444.28
140	481.40	484.88	488.36	491.26	494.16	496.48	498.22	499.38	499.38
145	534.18	537.08	539.40	541.72	544.04	545.20	546.36	547.52	547.52
150	579.42	581.16	582.32	584.06	585.80	586.96	587.54	587.54	588.12
155	615.96	617.12	618.28	619.44	620.02	620.60	621.18	621.18	621.18
160	645.54	645.54	646.70	646.70	647.28	647.86	647.86	648.44	647.86
165	667.58	667.58	668.16	668.16	668.74	668.74	668.74	668.74	668.74
170	682.66	683.24	683.24	683.24	683.24	683.24	683.24	683.82	683.24
175	691.94	691.94	691.94	691.94	691.94	691.94	691.94	691.94	691.94
180	694.84	694.84	694.84	694.84	694.84	694.84	694.84	694.84	694.84

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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	0.51	N.A.	0.00
10-90	0.51	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	0.51	N.A.	0.00
90-110	98.68	N.A.	5.80
90-120	263.98	N.A.	15.40
90-130	521.86	N.A.	30.40
90-150	1177.75	N.A.	68.70
90-180	1714.55	N.A.	100.00
110-180	1615.86	N.A.	94.20
0-180	1715.06	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	0.51
90-100	19.13
100-110	79.56
110-120	165.29
120-130	257.88
130-140	323.45
140-150	332.44
150-160	282.90
160-170	188.15
170-180	65.75

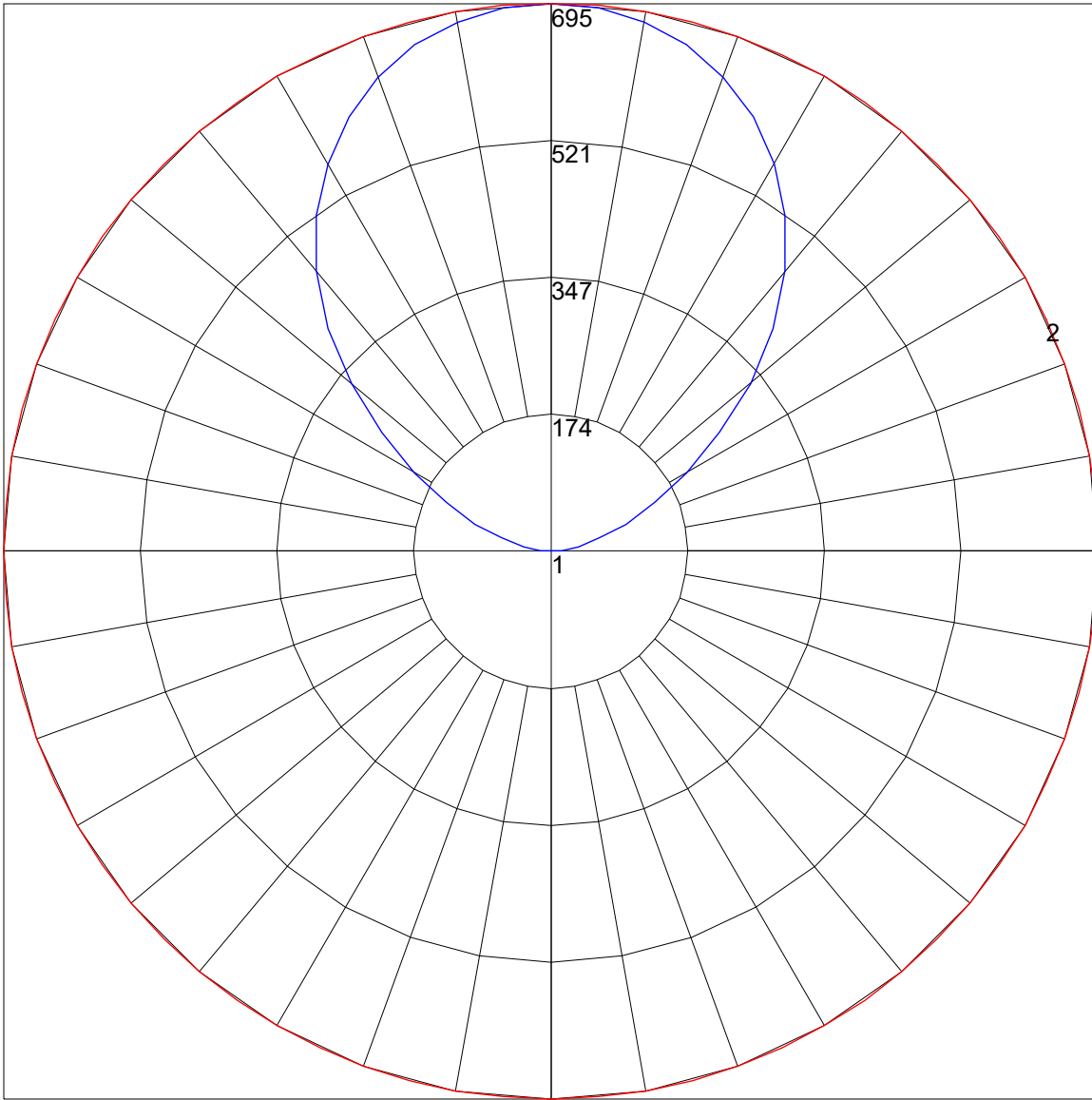
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 694.84 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.)