

IES Report

ZipWave® | 707 | Clear with EdgeSoft™ | 90 CRI | LO

707-Z9-4-48-AW / EW-XX-X-0-Z-LO-359-C1-0-AL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	91	95
Total Lumens, 4' rail length (1219mm)	1405	1449	1479	1508
Lumens per foot (305mm)	351	362	370	377
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	96	96	96	96

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\_359\_C1.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L101707605 (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-359-C1  
[LUMINAIRE] ZipWave LED, 48", wall cove, 3500K, 90 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	1479
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
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>
<b>0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>10</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>15</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>20</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>25</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>30</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>40</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>45</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>50</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>55</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>60</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>65</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>70</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>75</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>80</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>85</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>90</b>	2.5	2.5	2.5	2.5	2.5	2.5	2.0	2.0	2.0	1.5
<b>95</b>	11.5	11.5	11.5	11.5	11.5	11.5	12.0	12.0	12.0	12.5
<b>100</b>	30.5	30.5	30.5	31.0	31.0	31.5	32.0	32.5	33.0	33.5
<b>105</b>	56.0	56.5	56.5	57.0	57.5	58.0	59.0	60.0	61.5	62.5
<b>110</b>	87.5	87.5	88.0	88.5	89.5	91.0	92.5	94.0	96.0	98.0
<b>115</b>	126.5	126.5	127.0	128.0	129.0	131.0	133.0	135.5	138.5	141.0
<b>120</b>	172.0	172.5	173.5	174.5	176.5	178.5	181.5	184.5	188.0	191.5
<b>125</b>	226.0	226.0	227.0	228.5	231.0	233.5	236.5	240.0	243.5	247.5
<b>130</b>	285.0	285.0	286.0	288.0	290.0	292.5	295.5	298.5	301.5	305.0
<b>135</b>	344.5	344.5	345.5	347.0	348.5	350.5	353.0	355.5	358.0	361.0
<b>140</b>	399.5	400.0	400.5	401.5	402.5	404.0	406.0	408.0	410.0	412.5
<b>145</b>	448.0	448.0	448.5	449.0	450.0	451.0	452.5	454.0	456.0	458.5
<b>150</b>	489.0	489.0	489.0	490.0	490.5	491.5	493.0	494.5	496.0	497.5
<b>155</b>	524.0	524.0	524.0	524.5	525.0	526.0	527.0	528.0	529.0	530.0
<b>160</b>	552.0	552.0	552.5	552.5	553.0	553.5	554.0	554.5	555.0	555.5
<b>165</b>	573.5	573.5	573.5	573.5	574.0	574.0	574.0	574.5	574.5	575.0
<b>170</b>	587.5	588.0	588.0	588.0	588.0	588.0	588.0	588.5	588.5	588.5
<b>175</b>	596.0	596.5	596.0	596.5	596.5	596.0	596.5	596.5	596.5	596.5
<b>180</b>	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0

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</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>10</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>15</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>20</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>25</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>30</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>35</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>40</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>45</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>50</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>55</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>60</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>70</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>75</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>80</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>85</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>90</b>	1.5	1.5	1.0	1.0	1.0	0.5	0.5	0.5	0.5
<b>95</b>	12.5	12.5	13.0	13.0	13.0	13.5	13.5	13.5	13.5
<b>100</b>	34.5	35.5	36.0	37.0	37.5	38.0	38.5	38.5	38.5
<b>105</b>	64.0	65.5	67.0	68.5	69.5	70.5	71.5	72.0	72.5
<b>110</b>	100.5	102.5	105.0	107.0	108.5	110.5	111.5	112.5	113.0
<b>115</b>	144.5	147.5	150.0	153.0	155.5	157.5	159.5	161.0	161.5
<b>120</b>	195.0	198.5	202.0	205.0	208.0	211.0	213.5	215.0	215.5
<b>125</b>	251.0	255.0	258.0	261.5	265.0	268.5	271.0	272.5	273.0
<b>130</b>	308.5	312.0	315.5	319.0	322.5	325.5	328.0	329.5	330.0
<b>135</b>	364.0	367.0	370.5	374.0	377.0	379.5	381.5	382.5	383.0
<b>140</b>	415.0	418.0	421.0	423.5	426.0	428.0	429.5	430.5	430.5
<b>145</b>	460.5	463.0	465.0	467.0	469.0	470.0	471.0	472.0	472.0
<b>150</b>	499.5	501.0	502.0	503.5	505.0	506.0	506.5	506.5	507.0
<b>155</b>	531.0	532.0	533.0	534.0	534.5	535.0	535.5	535.5	535.5
<b>160</b>	556.5	556.5	557.5	557.5	558.0	558.5	558.5	559.0	558.5
<b>165</b>	575.5	575.5	576.0	576.0	576.5	576.5	576.5	576.5	576.5
<b>170</b>	588.5	589.0	589.0	589.0	589.0	589.0	589.0	589.5	589.0
<b>175</b>	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5	596.5
<b>180</b>	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0

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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	0.44	N.A.	0.00
10-90	0.44	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	0.44	N.A.	0.00
90-110	85.07	N.A.	5.80
90-120	227.57	N.A.	15.40
90-130	449.88	N.A.	30.40
90-150	1015.3	N.A.	68.70
90-180	1478.06	N.A.	100.00
110-180	1392.99	N.A.	94.20
0-180	1478.5	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	0.44
90-100	16.49
100-110	68.58
110-120	142.49
120-130	222.31
130-140	278.84
140-150	286.59
150-160	243.88
160-170	162.20
170-180	56.68

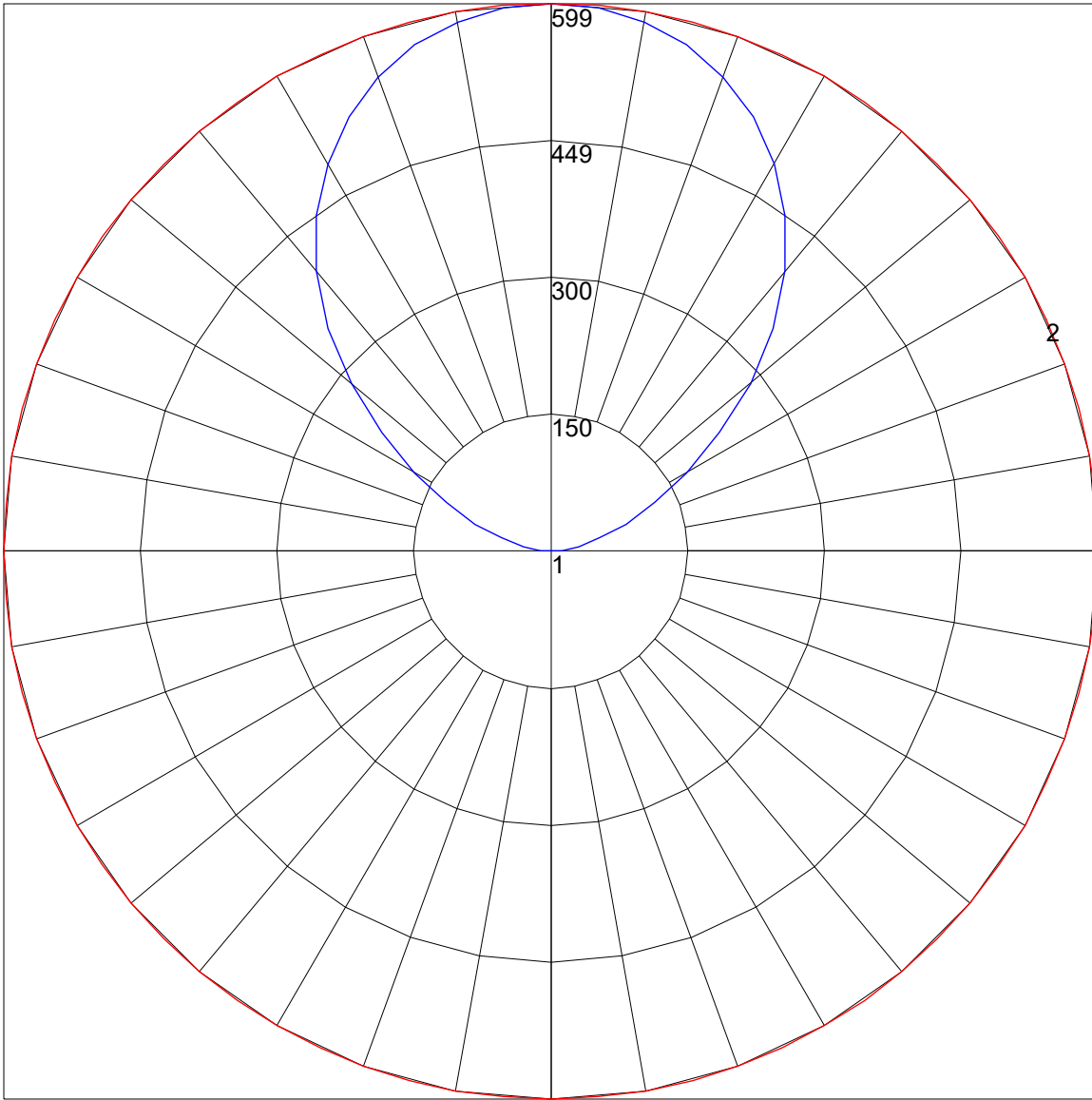
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	27	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 = 599 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.)