

**IES Report**

**ZipThree<sup>®</sup> | 707 | Symmetric with EdgeGlow<sup>™</sup>, upright only | 90 CRI | LO**

707-Z3-4-48-XX-XX-X-0-Z-LO-359-U2-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	102	105	107	109
Total Lumens, 4' rail length (1219mm)	1563	1613	1645	1678
Lumens per foot (305mm)	391	403	411	420
Input Power (W), 4' rail length (1219mm)	15.4	15.4	15.4	15.4
Watts per foot (305mm)	3.9	3.9	3.9	3.9
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\_Z3\_LO\_359\_U2.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L091700109 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 11/1/2017  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-48-Z-LO-359-U2  
[LUMINAIRE] ZipThree LED, 48", 3500K, 90 CRI, zipper board,  
[MORE] symmetric w/edge glow up, low output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1645
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	15.41
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)	3.96 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>	5.0	5.0	4.5	4.5	4.5	4.0	4.0	3.5	3.5	3.0
<b>95</b>	19.0	19.0	19.0	19.0	19.0	18.5	18.5	18.0	18.0	17.5
<b>100</b>	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	44.5	44.5
<b>105</b>	79.0	79.0	79.0	79.0	79.0	79.5	79.5	80.0	80.0	80.0
<b>110</b>	121.0	121.0	121.5	121.5	122.0	122.5	122.5	123.0	123.5	124.0
<b>115</b>	171.0	171.0	171.5	172.0	172.0	172.5	173.5	174.0	175.0	175.5
<b>120</b>	227.5	228.0	228.0	228.5	229.0	229.5	230.5	231.0	232.0	233.5
<b>125</b>	287.0	287.5	287.5	288.0	288.5	289.5	290.0	291.0	292.0	293.0
<b>130</b>	346.0	346.0	346.5	346.5	347.5	348.0	348.5	349.5	350.0	351.0
<b>135</b>	400.0	400.0	400.5	401.0	401.5	402.0	402.5	403.0	403.5	404.5
<b>140</b>	448.0	448.0	448.5	448.5	449.0	449.5	450.0	450.5	451.0	451.5
<b>145</b>	489.0	489.0	489.5	489.5	490.0	490.5	490.5	491.0	491.5	491.5
<b>150</b>	524.0	524.0	524.0	524.0	524.5	524.5	525.0	525.0	525.0	525.5
<b>155</b>	552.0	552.0	552.0	552.5	552.5	552.5	553.0	553.0	553.0	553.0
<b>160</b>	574.5	574.5	574.5	575.0	575.0	575.0	575.0	575.0	575.0	575.0
<b>165</b>	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5
<b>170</b>	603.5	603.5	603.5	603.5	603.0	603.5	603.5	603.5	603.5	603.5
<b>175</b>	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0
<b>180</b>	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0

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>	3.0	2.5	2.0	2.0	1.5	1.5	1.0	1.0	1.0
<b>95</b>	17.5	17.0	16.5	16.5	16.0	16.0	16.0	15.5	15.5
<b>100</b>	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.0
<b>105</b>	80.5	81.0	81.0	81.5	81.5	82.0	82.0	82.0	81.5
<b>110</b>	125.0	125.5	126.0	126.5	127.0	127.5	128.0	128.0	128.0
<b>115</b>	176.5	177.5	178.5	179.0	180.0	180.5	181.0	181.5	181.5
<b>120</b>	234.5	235.5	236.5	237.5	238.5	239.0	239.5	240.0	240.0
<b>125</b>	294.0	295.5	296.5	297.5	298.5	299.0	299.5	299.5	299.5
<b>130</b>	352.0	353.0	354.0	355.0	355.5	356.0	356.0	356.0	356.0
<b>135</b>	405.0	406.0	406.5	407.0	407.5	407.5	407.5	408.0	407.5
<b>140</b>	452.0	452.5	452.5	452.5	453.0	453.0	453.0	453.0	453.0
<b>145</b>	492.0	492.0	492.0	492.0	492.0	492.0	492.0	492.0	492.0
<b>150</b>	525.5	525.5	525.5	525.5	525.5	525.5	525.5	525.0	525.0
<b>155</b>	553.0	553.0	553.0	553.0	553.0	553.0	553.0	552.5	553.0
<b>160</b>	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0	575.0
<b>165</b>	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5	591.5
<b>170</b>	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5
<b>175</b>	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0
<b>180</b>	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0	612.0

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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	0.82	N.A.	0.00
10-90	0.82	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	0.82	N.A.	0.00
90-110	109.50	N.A.	6.70
90-120	285.13	N.A.	17.30
90-130	547.09	N.A.	33.20
90-150	1164.92	N.A.	70.80
90-180	1644.62	N.A.	100.00
110-180	1535.12	N.A.	93.30
0-180	1645.44	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	0.82
90-100	22.51
100-110	86.99
110-120	175.63
120-130	261.95
130-140	311.03
140-150	306.81
150-160	254.66
160-170	167.02
170-180	58.02

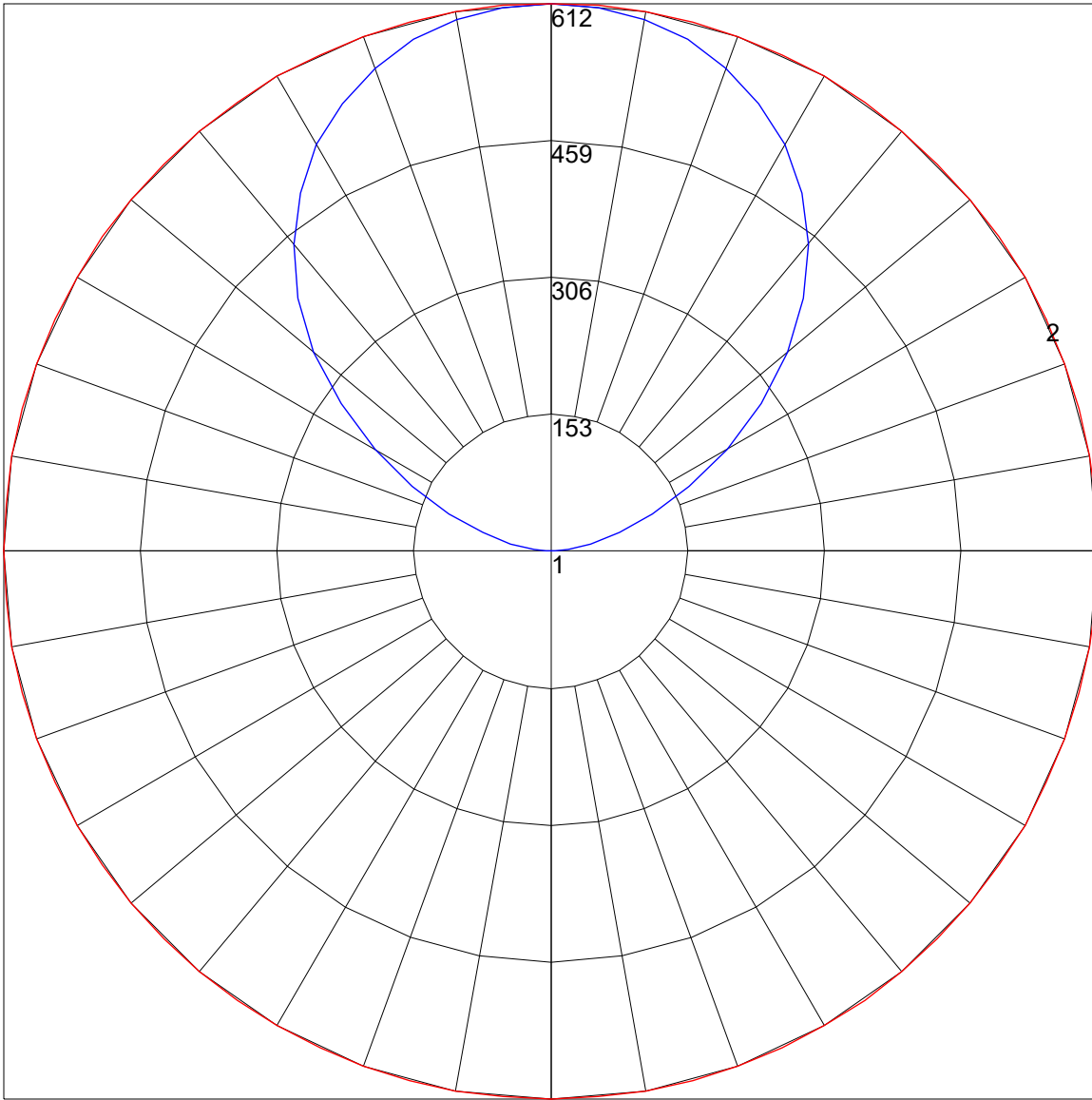
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 612 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.)