

**IES Report**

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	111	115	117	119
Total Lumens, 4' rail length (1219mm)	5940	6128	6253	6378
Lumens per foot (305mm)	1485	1532	1563	1594
Input Power (W), 4' rail length (1219mm)	53.6	53.6	53.6	53.6
Watts per foot (305mm)	13.4	13.4	13.4	13.4
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\_HO\_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-HO-359-U2  
[LUMINAIRE] ZipThree LED, 48", 3500K, 90 CRI, zipper board,  
[MORE] symmetric w/edge glow up, high output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6253
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	53.6
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>	19.0	19.0	17.1	17.1	17.1	15.2	15.2	13.3	13.3	11.4
<b>95</b>	72.2	72.2	72.2	72.2	72.2	70.3	70.3	68.4	68.4	66.5
<b>100</b>	171.0	171.0	171.0	171.0	171.0	171.0	171.0	171.0	169.1	169.1
<b>105</b>	300.2	300.2	300.2	300.2	300.2	302.1	302.1	304.0	304.0	304.0
<b>110</b>	459.8	459.8	461.7	461.7	463.6	465.5	465.5	467.4	469.3	471.2
<b>115</b>	649.8	649.8	651.7	653.6	653.6	655.5	659.3	661.2	665.0	666.9
<b>120</b>	864.5	866.4	866.4	868.3	870.2	872.1	875.9	877.8	881.6	887.3
<b>125</b>	1090.6	1092.5	1092.5	1094.4	1096.3	1100.1	1102.0	1105.8	1109.6	1113.4
<b>130</b>	1314.8	1314.8	1316.7	1316.7	1320.5	1322.4	1324.3	1328.1	1330.0	1333.8
<b>135</b>	1520.0	1520.0	1521.9	1523.8	1525.7	1527.6	1529.5	1531.4	1533.3	1537.1
<b>140</b>	1702.4	1702.4	1704.3	1704.3	1706.2	1708.1	1710.0	1711.9	1713.8	1715.7
<b>145</b>	1858.2	1858.2	1860.1	1860.1	1862.0	1863.9	1863.9	1865.8	1867.7	1867.7
<b>150</b>	1991.2	1991.2	1991.2	1991.2	1993.1	1993.1	1995.0	1995.0	1995.0	1996.9
<b>155</b>	2097.6	2097.6	2097.6	2099.5	2099.5	2099.5	2101.4	2101.4	2101.4	2101.4
<b>160</b>	2183.1	2183.1	2183.1	2185.0	2185.0	2185.0	2185.0	2185.0	2185.0	2185.0
<b>165</b>	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7
<b>170</b>	2293.3	2293.3	2293.3	2293.3	2291.4	2293.3	2293.3	2293.3	2293.3	2293.3
<b>175</b>	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0
<b>180</b>	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6

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>	11.4	9.5	7.6	7.6	5.7	5.7	3.8	3.8	3.8
<b>95</b>	66.5	64.6	62.7	62.7	60.8	60.8	60.8	58.9	58.9
<b>100</b>	169.1	169.1	169.1	169.1	169.1	169.1	169.1	169.1	167.2
<b>105</b>	305.9	307.8	307.8	309.7	309.7	311.6	311.6	311.6	309.7
<b>110</b>	475.0	476.9	478.8	480.7	482.6	484.5	486.4	486.4	486.4
<b>115</b>	670.7	674.5	678.3	680.2	684.0	685.9	687.8	689.7	689.7
<b>120</b>	891.1	894.9	898.7	902.5	906.3	908.2	910.1	912.0	912.0
<b>125</b>	1117.2	1122.9	1126.7	1130.5	1134.3	1136.2	1138.1	1138.1	1138.1
<b>130</b>	1337.6	1341.4	1345.2	1349.0	1350.9	1352.8	1352.8	1352.8	1352.8
<b>135</b>	1539.0	1542.8	1544.7	1546.6	1548.5	1548.5	1548.5	1550.4	1548.5
<b>140</b>	1717.6	1719.5	1719.5	1719.5	1721.4	1721.4	1721.4	1721.4	1721.4
<b>145</b>	1869.6	1869.6	1869.6	1869.6	1869.6	1869.6	1869.6	1869.6	1869.6
<b>150</b>	1996.9	1996.9	1996.9	1996.9	1996.9	1996.9	1996.9	1995.0	1995.0
<b>155</b>	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2101.4	2099.5	2101.4
<b>160</b>	2185.0	2185.0	2185.0	2185.0	2185.0	2185.0	2185.0	2185.0	2185.0
<b>165</b>	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7	2247.7
<b>170</b>	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3	2293.3
<b>175</b>	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0	2318.0
<b>180</b>	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6	2325.6

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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	3.12	N.A.	0.00
10-90	3.12	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	3.12	N.A.	0.00
90-110	416.10	N.A.	6.70
90-120	1083.51	N.A.	17.30
90-130	2078.93	N.A.	33.20
90-150	4426.71	N.A.	70.80
90-180	6249.54	N.A.	100.00
110-180	5833.45	N.A.	93.30
0-180	6252.67	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	3.12
90-100	85.52
100-110	330.58
110-120	667.41
120-130	995.42
130-140	1181.92
140-150	1165.86
150-160	967.71
160-170	634.66
170-180	220.47

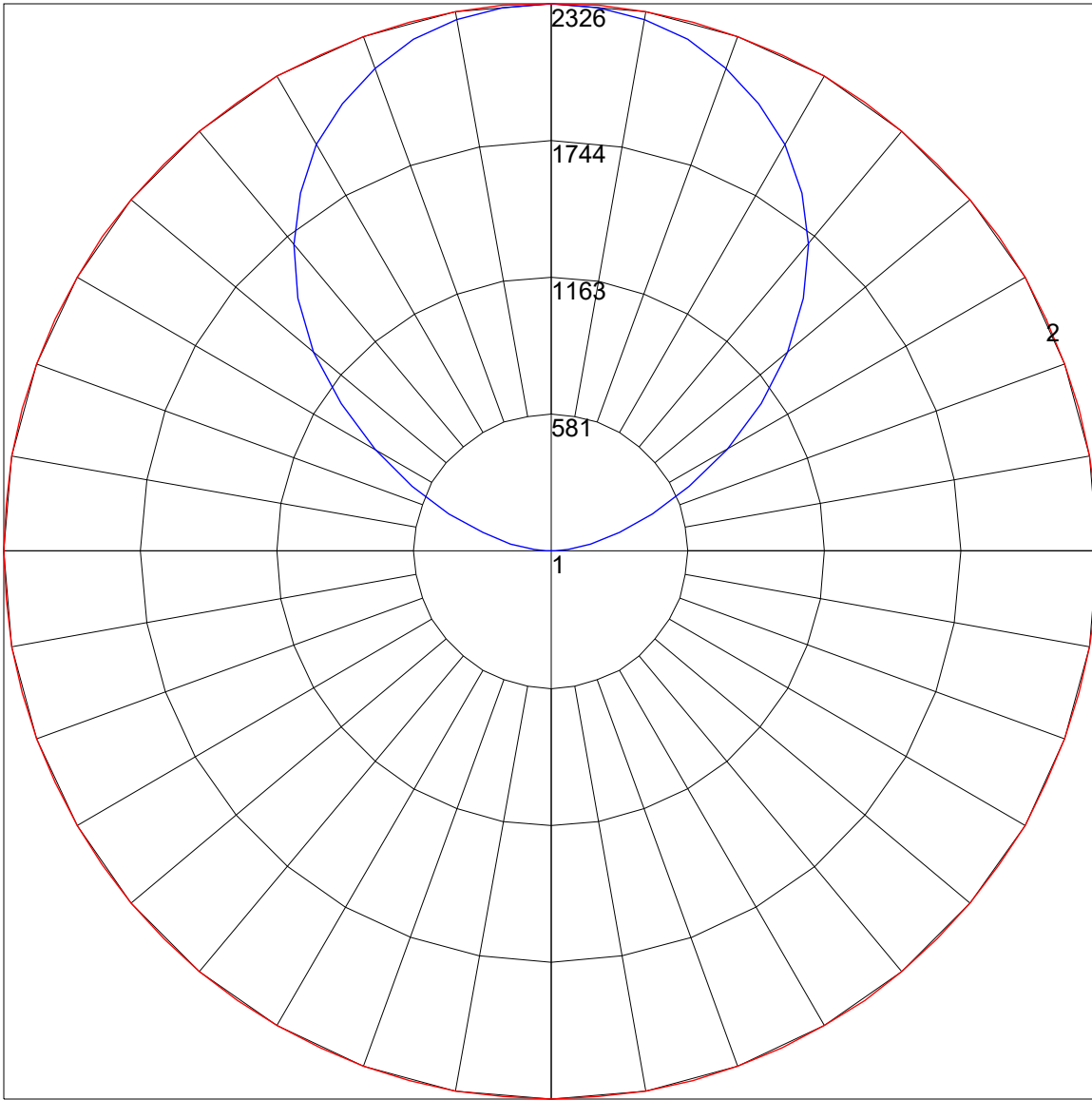
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2325.6 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.)