

**IES Report**

**ZipThree® | 707 | Symmetric with EdgeGlow™, upright only | 80 CRI | SO**

707-Z3-4-48-XX-XX-X-0-Z-SO-35-U2-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	154	159	162	162
Total Lumens, 4' rail length (1219mm)	4019	4146	4230	4230
Lumens per foot (305mm)	1005	1036	1058	1058
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	82	82	82	82

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\_SO\_35\_U2.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L121911542R01 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB  
[ISSUE DATE] 12/23/2019  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-48-Z-SO-35-U2-AL  
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up,  
[MORE] standard output, clear anodized finish  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4230
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	162
Total Luminaire Watts	26.12
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)	0.07 ft
Luminous Width (90-270)	3.98 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

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**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>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>10</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>15</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>20</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>25</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>30</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>35</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>40</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>45</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>50</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>55</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>60</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>65</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>70</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>75</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>80</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95</b>	68.44	68.44	67.28	67.28	66.12	64.96	63.80	62.64	61.48	59.16
<b>100</b>	134.56	134.56	134.56	134.56	133.40	133.40	132.24	131.08	131.08	129.92
<b>105</b>	220.40	220.40	220.40	220.40	220.40	220.40	220.40	220.40	220.40	220.40
<b>110</b>	323.64	323.64	324.80	324.80	324.80	325.96	325.96	327.12	328.28	328.28
<b>115</b>	444.28	444.28	445.44	445.44	446.60	447.76	448.92	450.08	451.24	453.56
<b>120</b>	580.00	580.00	580.00	581.16	582.32	583.48	585.80	588.12	590.44	591.60
<b>125</b>	723.84	723.84	725.00	726.16	727.32	729.64	730.80	733.12	736.60	738.92
<b>130</b>	870.00	870.00	871.16	872.32	873.48	875.80	878.12	880.44	882.76	886.24
<b>135</b>	1010.36	1010.36	1011.52	1012.68	1013.84	1016.16	1017.32	1019.64	1021.96	1025.44
<b>140</b>	1137.96	1137.96	1137.96	1140.28	1141.44	1142.60	1143.76	1146.08	1148.40	1150.72
<b>145</b>	1249.32	1250.48	1250.48	1251.64	1251.64	1252.80	1255.12	1256.28	1257.44	1259.76
<b>150</b>	1344.44	1344.44	1344.44	1344.44	1345.60	1346.76	1347.92	1347.92	1349.08	1350.24
<b>155</b>	1421.00	1421.00	1421.00	1421.00	1422.16	1422.16	1423.32	1424.48	1424.48	1425.64
<b>160</b>	1482.48	1482.48	1482.48	1482.48	1483.64	1483.64	1483.64	1483.64	1483.64	1484.80
<b>165</b>	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88	1528.88
<b>170</b>	1560.20	1560.20	1560.20	1560.20	1560.20	1560.20	1560.20	1560.20	1560.20	1561.36
<b>175</b>	1577.60	1577.60	1578.76	1577.60	1577.60	1577.60	1578.76	1578.76	1577.60	1578.76
<b>180</b>	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24

**Vert. Angles**      **Horizontal 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>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>5</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>10</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>15</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>20</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>25</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>30</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>35</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>40</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>45</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>50</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>55</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>60</b>	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.)**

<b>65</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>70</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>75</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>80</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>85</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>95</b>	58.00	55.68	54.52	52.20	51.04	48.72	47.56	47.56	46.40
<b>100</b>	128.76	127.60	126.44	125.28	124.12	122.96	121.80	120.64	120.64
<b>105</b>	220.40	219.24	219.24	219.24	218.08	218.08	218.08	216.92	216.92
<b>110</b>	329.44	329.44	330.60	330.60	331.76	331.76	331.76	331.76	331.76
<b>115</b>	454.72	455.88	458.20	459.36	460.52	460.52	461.68	461.68	461.68
<b>120</b>	593.92	596.24	598.56	600.88	602.04	604.36	604.36	605.52	605.52
<b>125</b>	741.24	744.72	747.04	749.36	751.68	754.00	755.16	755.16	755.16
<b>130</b>	888.56	890.88	894.36	896.68	899.00	901.32	901.32	902.48	902.48
<b>135</b>	1027.76	1030.08	1032.40	1034.72	1037.04	1038.20	1039.36	1040.52	1039.36
<b>140</b>	1153.04	1154.20	1156.52	1158.84	1160.00	1161.16	1162.32	1162.32	1162.32
<b>145</b>	1260.92	1262.08	1264.40	1264.40	1265.56	1266.72	1266.72	1267.88	1267.88
<b>150</b>	1351.40	1352.56	1353.72	1354.88	1354.88	1356.04	1356.04	1356.04	1356.04
<b>155</b>	1425.64	1426.80	1426.80	1426.80	1427.96	1427.96	1427.96	1427.96	1427.96
<b>160</b>	1484.80	1485.96	1485.96	1485.96	1485.96	1485.96	1485.96	1485.96	1487.12
<b>165</b>	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1530.04	1531.20	1530.04
<b>170</b>	1561.36	1560.20	1561.36	1561.36	1561.36	1561.36	1561.36	1561.36	1560.20
<b>175</b>	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76
<b>180</b>	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24	1582.24

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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	0.00	N.A.	0.00
10-90	0.00	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	0.00	N.A.	0.00
90-110	303.37	N.A.	7.20
90-120	755.44	N.A.	17.90
90-130	1416.71	N.A.	33.50
90-150	2992.04	N.A.	70.70
90-180	4230.18	N.A.	100.00
110-180	3926.81	N.A.	92.80
0-180	4230.18	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	0.00
90-100	66.96
100-110	236.41
110-120	452.07
120-130	661.28
130-140	789.06
140-150	786.26
150-160	656.35
160-170	431.71
170-180	150.08

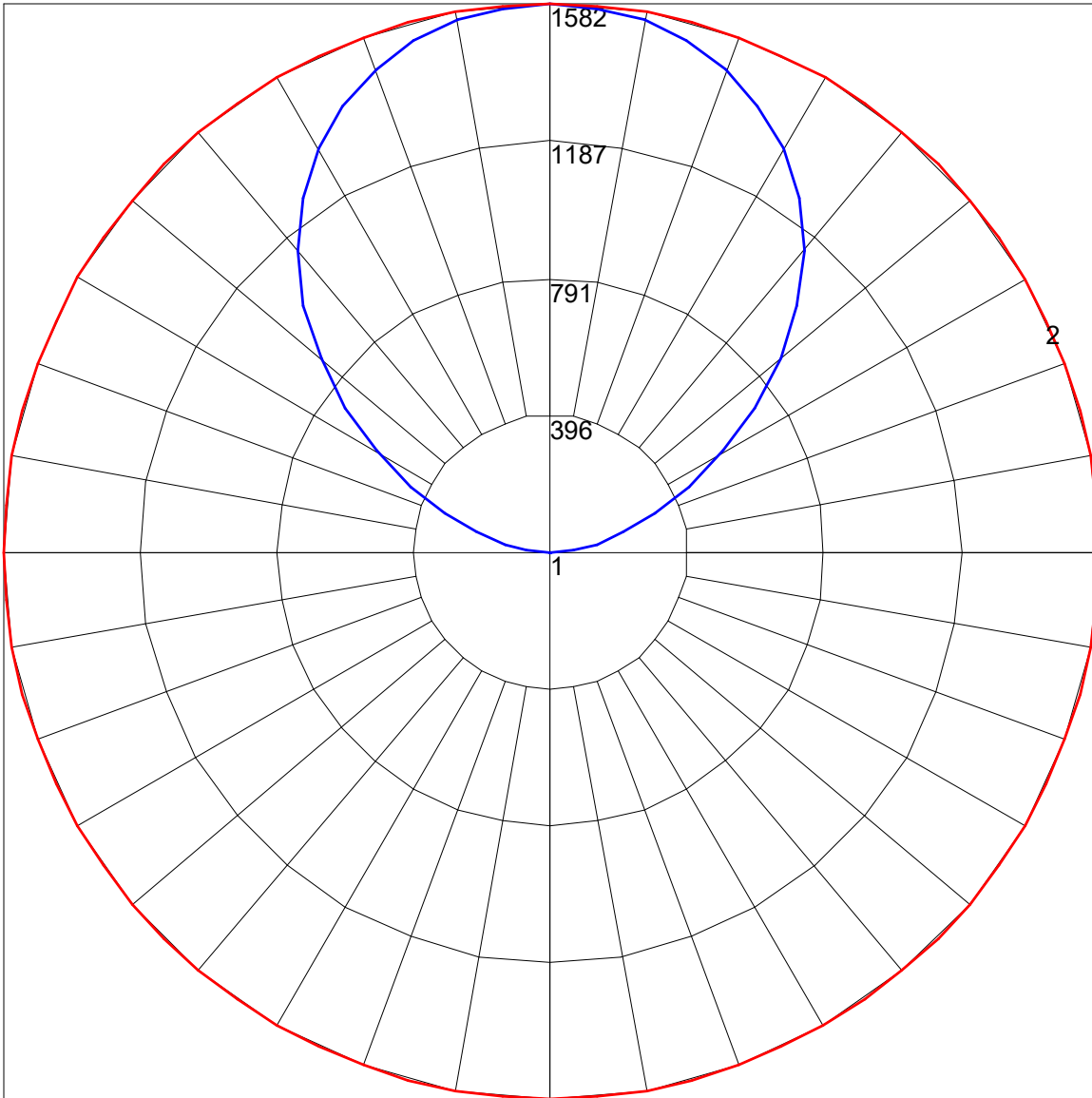
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1582.24 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)