

**IES Report**

**ZipThree<sup>®</sup> | 707 | Symmetric, upright only | 80 CRI | LO**

707-Z3-4-48-XX-XX-X-0-Z-LO-35-U1-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	117	120	123	125
Total Lumens, 4' rail length (1219mm)	1792	1848	1886	1924
Lumens per foot (305mm)	448	462	472	481
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	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\_Z3\_LO\_35\_U1.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L091700108 (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-35-U1  
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric up, low output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1886
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
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

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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>	18.56	18.56	19.14	19.14	18.56	19.14	18.56	18.56	18.56	18.56
<b>100</b>	49.88	49.88	50.46	50.46	50.46	50.46	50.46	51.04	51.04	51.04
<b>105</b>	90.48	90.48	90.48	91.06	91.06	91.64	92.22	92.22	92.80	93.38
<b>110</b>	139.78	139.78	139.78	140.36	140.94	141.52	142.10	142.68	143.26	143.84
<b>115</b>	197.20	197.20	197.20	197.78	198.36	198.94	199.52	200.10	201.26	201.84
<b>120</b>	261.00	261.00	261.58	261.58	262.74	263.32	263.90	264.48	265.64	266.22
<b>125</b>	328.86	328.86	328.86	329.44	330.02	330.60	331.76	332.34	332.92	333.50
<b>130</b>	396.14	396.14	396.14	396.72	397.30	397.88	398.46	399.04	399.62	400.78
<b>135</b>	459.36	459.36	459.36	459.36	459.94	459.94	461.10	461.68	462.26	462.84
<b>140</b>	515.04	515.04	515.62	515.62	515.62	515.62	516.20	516.78	517.36	517.94
<b>145</b>	563.76	563.76	563.76	563.76	563.76	564.34	564.34	564.34	564.92	564.92
<b>150</b>	604.36	604.36	604.36	604.36	604.36	604.36	604.36	604.36	604.36	604.94
<b>155</b>	638.00	638.00	638.00	638.00	637.42	637.42	637.42	637.42	637.42	637.42
<b>160</b>	664.10	664.10	664.10	664.10	664.10	664.10	664.10	664.10	664.10	664.10
<b>165</b>	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40
<b>170</b>	698.32	698.32	698.32	698.32	698.90	698.32	698.32	698.32	698.90	698.32
<b>175</b>	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02
<b>180</b>	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34

**Vert. 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>	18.56	18.56	18.56	17.98	17.98	17.98	17.98	17.98	17.40
<b>100</b>	51.04	51.62	51.62	51.62	51.62	51.62	51.04	51.04	51.04
<b>105</b>	93.38	93.96	93.96	93.96	93.96	93.96	93.96	93.96	93.96
<b>110</b>	144.42	144.42	145.00	145.00	145.58	145.58	145.58	145.58	146.16
<b>115</b>	202.42	203.00	203.58	204.16	204.16	204.74	205.32	205.32	205.32
<b>120</b>	266.80	267.96	268.54	269.12	269.70	270.28	270.86	270.86	271.44
<b>125</b>	334.66	335.24	335.82	336.98	337.56	338.14	338.72	338.72	339.30
<b>130</b>	401.36	401.94	402.52	403.10	403.68	403.68	404.26	404.84	404.84
<b>135</b>	463.42	463.42	464.00	464.58	464.58	465.16	465.74	465.74	465.74
<b>140</b>	517.94	518.52	518.52	519.10	519.10	519.68	519.68	519.68	519.68
<b>145</b>	565.50	565.50	565.50	566.08	566.08	566.66	566.66	566.66	566.66
<b>150</b>	604.94	604.94	604.94	605.52	605.52	605.52	605.52	606.10	606.10
<b>155</b>	637.42	637.42	637.42	638.00	638.00	638.00	638.00	638.00	638.00
<b>160</b>	664.10	664.10	664.10	664.10	664.10	664.10	664.10	664.10	664.10
<b>165</b>	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40	684.40
<b>170</b>	698.32	698.32	698.32	698.32	698.32	698.32	698.32	698.32	698.90
<b>175</b>	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02
<b>180</b>	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_LO\_35\_U1.IES**

**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	124.02	N.A.	6.60
90-120	324.98	N.A.	17.20
90-130	623.30	N.A.	33.00
90-150	1332.05	N.A.	70.60
90-180	1886.21	N.A.	100.00
110-180	1762.18	N.A.	93.40
0-180	1886.21	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	23.91
100-110	100.11
110-120	200.96
120-130	298.32
130-140	355.83
140-150	352.92
150-160	293.79
160-170	193.16
170-180	67.21

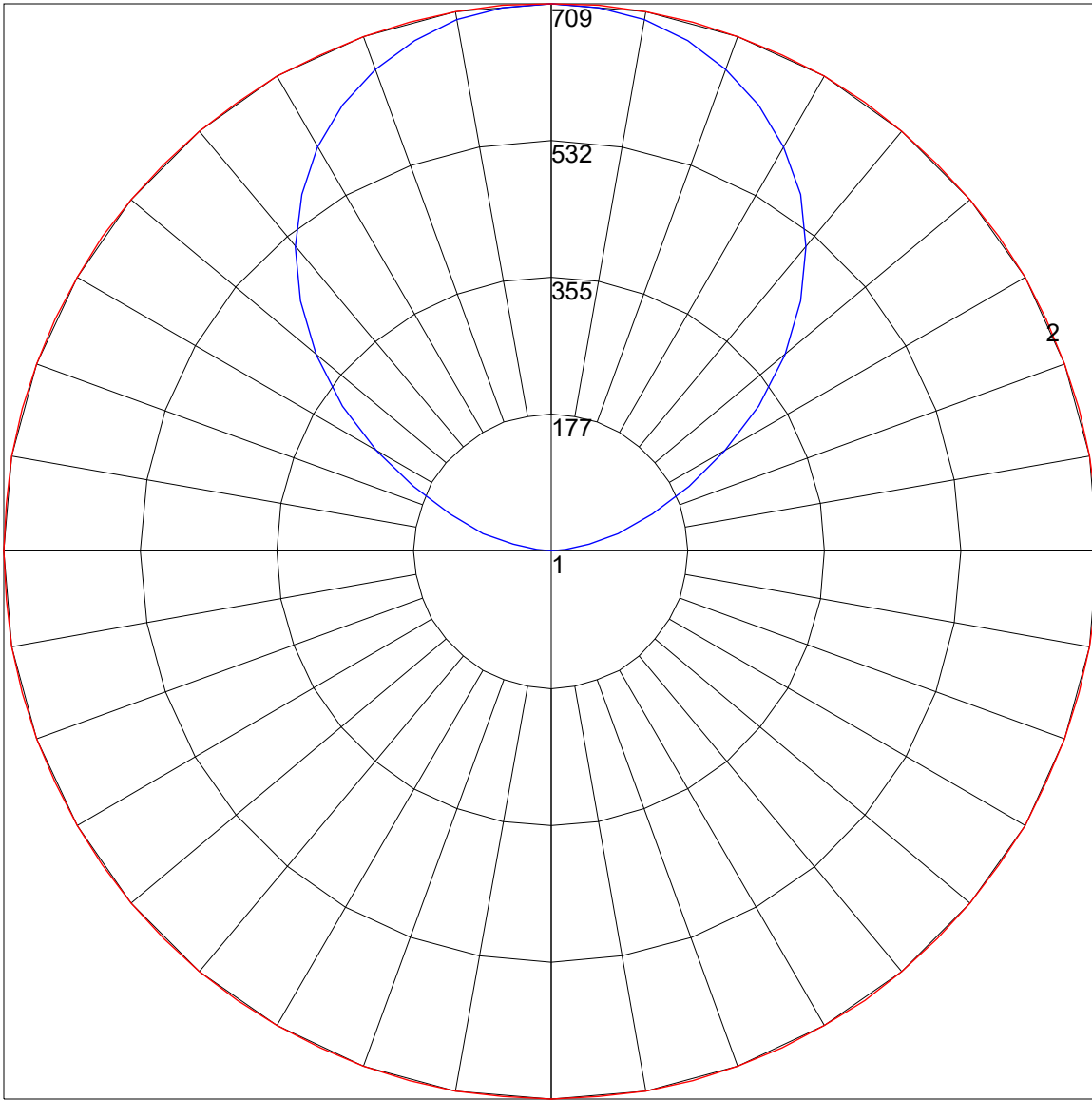
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 709.34 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.)