

**IES Report**

**ZipThree® | 707 | Symmetric with EdgeGlow™, uplight 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	139	143	146	149
Total Lumens, 4' rail length (1219mm)	3627	3741	3817	3894
Lumens per foot (305mm)	907	935	954	973
Input Power (W), 4' rail length (1219mm)	26.2	26.2	26.2	26.2
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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\_HO\_35\_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-35-U2  
 [LUMINAIRE] ZipThree LED, 48", 3500K, 80 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	7240
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
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>	22.0	22.0	19.8	19.8	19.8	17.6	17.6	15.4	15.4	13.2
<b>95</b>	83.6	83.6	83.6	83.6	83.6	81.4	81.4	79.2	79.2	77.0
<b>100</b>	198.0	198.0	198.0	198.0	198.0	198.0	198.0	198.0	195.8	195.8
<b>105</b>	347.6	347.6	347.6	347.6	347.6	349.8	349.8	352.0	352.0	352.0
<b>110</b>	532.4	532.4	534.6	534.6	536.8	539.0	539.0	541.2	543.4	545.6
<b>115</b>	752.4	752.4	754.6	756.8	756.8	759.0	763.4	765.6	770.0	772.2
<b>120</b>	1001.0	1003.2	1003.2	1005.4	1007.6	1009.8	1014.2	1016.4	1020.8	1027.4
<b>125</b>	1262.8	1265.0	1265.0	1267.2	1269.4	1273.8	1276.0	1280.4	1284.8	1289.2
<b>130</b>	1522.4	1522.4	1524.6	1524.6	1529.0	1531.2	1533.4	1537.8	1540.0	1544.4
<b>135</b>	1760.0	1760.0	1762.2	1764.4	1766.6	1768.8	1771.0	1773.2	1775.4	1779.8
<b>140</b>	1971.2	1971.2	1973.4	1973.4	1975.6	1977.8	1980.0	1982.2	1984.4	1986.6
<b>145</b>	2151.6	2151.6	2153.8	2153.8	2156.0	2158.2	2158.2	2160.4	2162.6	2162.6
<b>150</b>	2305.6	2305.6	2305.6	2305.6	2307.8	2307.8	2310.0	2310.0	2310.0	2312.2
<b>155</b>	2428.8	2428.8	2428.8	2431.0	2431.0	2431.0	2433.2	2433.2	2433.2	2433.2
<b>160</b>	2527.8	2527.8	2527.8	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
<b>165</b>	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6
<b>170</b>	2655.4	2655.4	2655.4	2655.4	2653.2	2655.4	2655.4	2655.4	2655.4	2655.4
<b>175</b>	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0
<b>180</b>	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8

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>	13.2	11.0	8.8	8.8	6.6	6.6	4.4	4.4	4.4
<b>95</b>	77.0	74.8	72.6	72.6	70.4	70.4	70.4	68.2	68.2
<b>100</b>	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	193.6
<b>105</b>	354.2	356.4	356.4	358.6	358.6	360.8	360.8	360.8	358.6
<b>110</b>	550.0	552.2	554.4	556.6	558.8	561.0	563.2	563.2	563.2
<b>115</b>	776.6	781.0	785.4	787.6	792.0	794.2	796.4	798.6	798.6
<b>120</b>	1031.8	1036.2	1040.6	1045.0	1049.4	1051.6	1053.8	1056.0	1056.0
<b>125</b>	1293.6	1300.2	1304.6	1309.0	1313.4	1315.6	1317.8	1317.8	1317.8
<b>130</b>	1548.8	1553.2	1557.6	1562.0	1564.2	1566.4	1566.4	1566.4	1566.4
<b>135</b>	1782.0	1786.4	1788.6	1790.8	1793.0	1793.0	1793.0	1795.2	1793.0
<b>140</b>	1988.8	1991.0	1991.0	1991.0	1993.2	1993.2	1993.2	1993.2	1993.2
<b>145</b>	2164.8	2164.8	2164.8	2164.8	2164.8	2164.8	2164.8	2164.8	2164.8
<b>150</b>	2312.2	2312.2	2312.2	2312.2	2312.2	2312.2	2312.2	2310.0	2310.0
<b>155</b>	2433.2	2433.2	2433.2	2433.2	2433.2	2433.2	2433.2	2431.0	2433.2
<b>160</b>	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0	2530.0
<b>165</b>	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6	2602.6
<b>170</b>	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4	2655.4
<b>175</b>	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0
<b>180</b>	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8	2692.8

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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	3.61	N.A.	0.00
10-90	3.61	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	3.61	N.A.	0.00
90-110	481.80	N.A.	6.70
90-120	1254.59	N.A.	17.30
90-130	2407.18	N.A.	33.20
90-150	5125.67	N.A.	70.80
90-180	7236.32	N.A.	100.00
110-180	6754.52	N.A.	93.30
0-180	7239.93	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	3.61
90-100	99.02
100-110	382.78
110-120	772.79
120-130	1152.59
130-140	1368.54
140-150	1349.94
150-160	1120.5
160-170	734.87
170-180	255.28

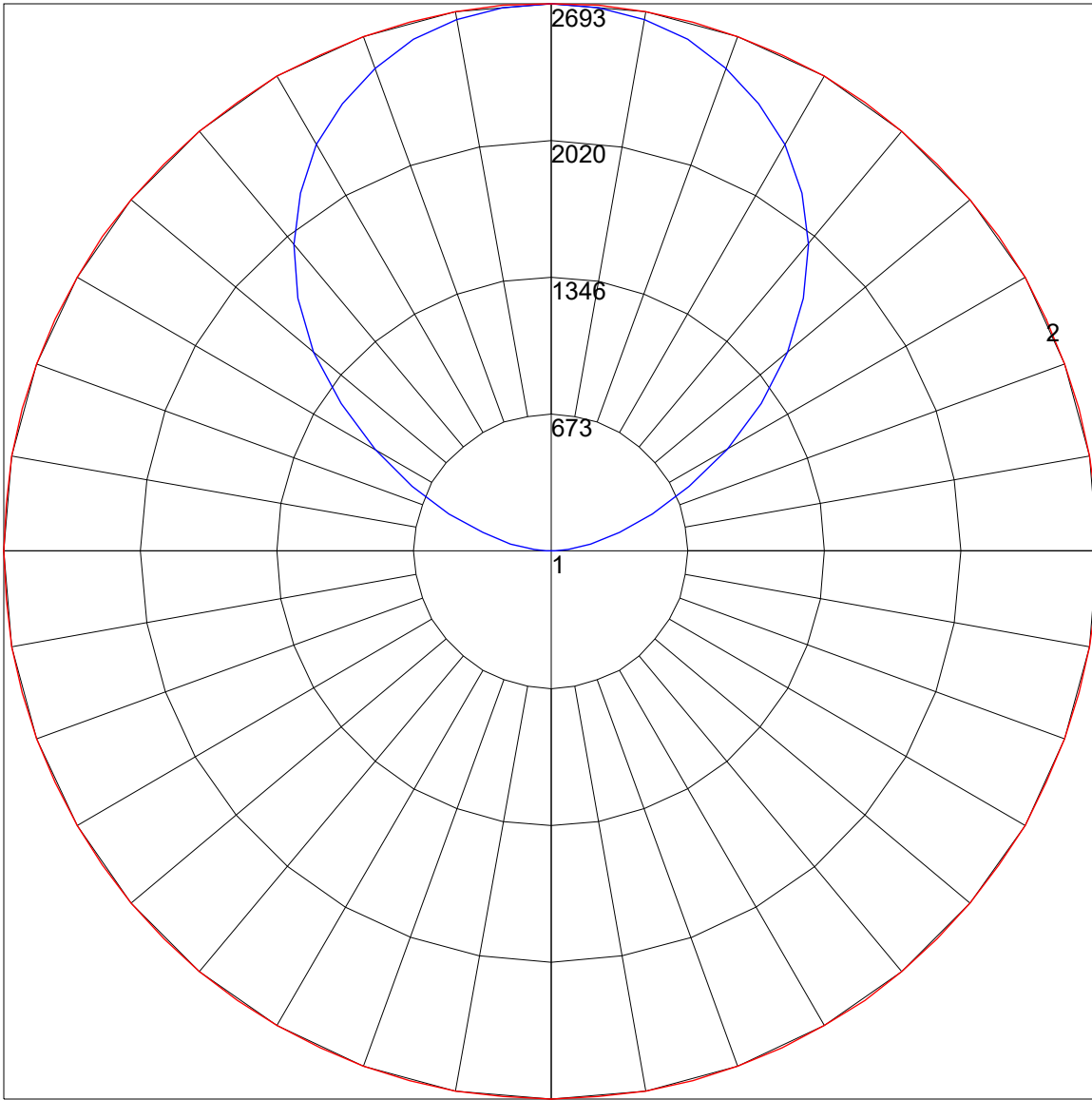
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2692.8 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.)