

## IES Report

ZipThree® | 707 | Symmetric with EdgeGlow™, uplight 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	117	120	123	124
Total Lumens, 4' rail length (1219mm)	1732	1787	1823	1842
Lumens per foot (305mm)	433	447	456	460
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
CRI	94	94	94	94

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] 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-LO-359-U2-AL

[LUMINAIRE] ZipThree LED, 48", 3500K, 90 CRI, zipper board, symmetric lens with edgeglow up,

[MORE] low 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	1823
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	14.89
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>	0.0	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>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>95</b>	29.5	29.5	29.0	29.0	28.5	28.0	27.5	27.0	26.5	25.5
<b>100</b>	58.0	58.0	58.0	58.0	57.5	57.5	57.0	56.5	56.5	56.0
<b>105</b>	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
<b>110</b>	139.5	139.5	140.0	140.0	140.0	140.5	140.5	141.0	141.5	141.5
<b>115</b>	191.5	191.5	192.0	192.0	192.5	193.0	193.5	194.0	194.5	195.5
<b>120</b>	250.0	250.0	250.0	250.5	251.0	251.5	252.5	253.5	254.5	255.0
<b>125</b>	312.0	312.0	312.5	313.0	313.5	314.5	315.0	316.0	317.5	318.5
<b>130</b>	375.0	375.0	375.5	376.0	376.5	377.5	378.5	379.5	380.5	382.0
<b>135</b>	435.5	435.5	436.0	436.5	437.0	438.0	438.5	439.5	440.5	442.0
<b>140</b>	490.5	490.5	490.5	491.5	492.0	492.5	493.0	494.0	495.0	496.0
<b>145</b>	538.5	539.0	539.0	539.5	539.5	540.0	541.0	541.5	542.0	543.0
<b>150</b>	579.5	579.5	579.5	579.5	580.0	580.5	581.0	581.0	581.5	582.0
<b>155</b>	612.5	612.5	612.5	612.5	613.0	613.0	613.5	614.0	614.0	614.5
<b>160</b>	639.0	639.0	639.0	639.0	639.5	639.5	639.5	639.5	639.5	640.0
<b>165</b>	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0
<b>170</b>	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	673.0
<b>175</b>	680.0	680.0	680.5	680.0	680.0	680.0	680.5	680.5	680.0	680.5
<b>180</b>	682.0	682.0	682.0	682.0	682.0	682.0	682.0	682.0	682.0	682.0

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>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>95</b>	25.0	24.0	23.5	22.5	22.0	21.0	20.5	20.5	20.0
<b>100</b>	55.5	55.0	54.5	54.0	53.5	53.0	52.5	52.0	52.0
<b>105</b>	95.0	94.5	94.5	94.5	94.0	94.0	94.0	93.5	93.5
<b>110</b>	142.0	142.0	142.5	142.5	143.0	143.0	143.0	143.0	143.0
<b>115</b>	196.0	196.5	197.5	198.0	198.5	198.5	199.0	199.0	199.0
<b>120</b>	256.0	257.0	258.0	259.0	259.5	260.5	260.5	261.0	261.0
<b>125</b>	319.5	321.0	322.0	323.0	324.0	325.0	325.5	325.5	325.5
<b>130</b>	383.0	384.0	385.5	386.5	387.5	388.5	388.5	389.0	389.0
<b>135</b>	443.0	444.0	445.0	446.0	447.0	447.5	448.0	448.5	448.0
<b>140</b>	497.0	497.5	498.5	499.5	500.0	500.5	501.0	501.0	501.0
<b>145</b>	543.5	544.0	545.0	545.0	545.5	546.0	546.0	546.5	546.5
<b>150</b>	582.5	583.0	583.5	584.0	584.0	584.5	584.5	584.5	584.5
<b>155</b>	614.5	615.0	615.0	615.0	615.5	615.5	615.5	615.5	615.5
<b>160</b>	640.0	640.5	640.5	640.5	640.5	640.5	640.5	640.5	641.0
<b>165</b>	659.5	659.5	659.5	659.5	659.5	659.5	659.5	660.0	659.5
<b>170</b>	673.0	672.5	673.0	673.0	673.0	673.0	673.0	673.0	672.5
<b>175</b>	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5	680.5
<b>180</b>	682.0	682.0	682.0	682.0	682.0	682.0	682.0	682.0	682.0

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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	0.00	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	130.76	N.A.	7.20
90-120	325.62	N.A.	17.90
90-130	610.65	N.A.	33.50
90-150	1289.67	N.A.	70.70
90-180	1823.35	N.A.	100.00
110-180	1692.59	N.A.	92.80
0-180	1823.35	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	28.86
100-110	101.90
110-120	194.86
120-130	285.03
130-140	340.11
140-150	338.90
150-160	282.91
160-170	186.08
170-180	64.69

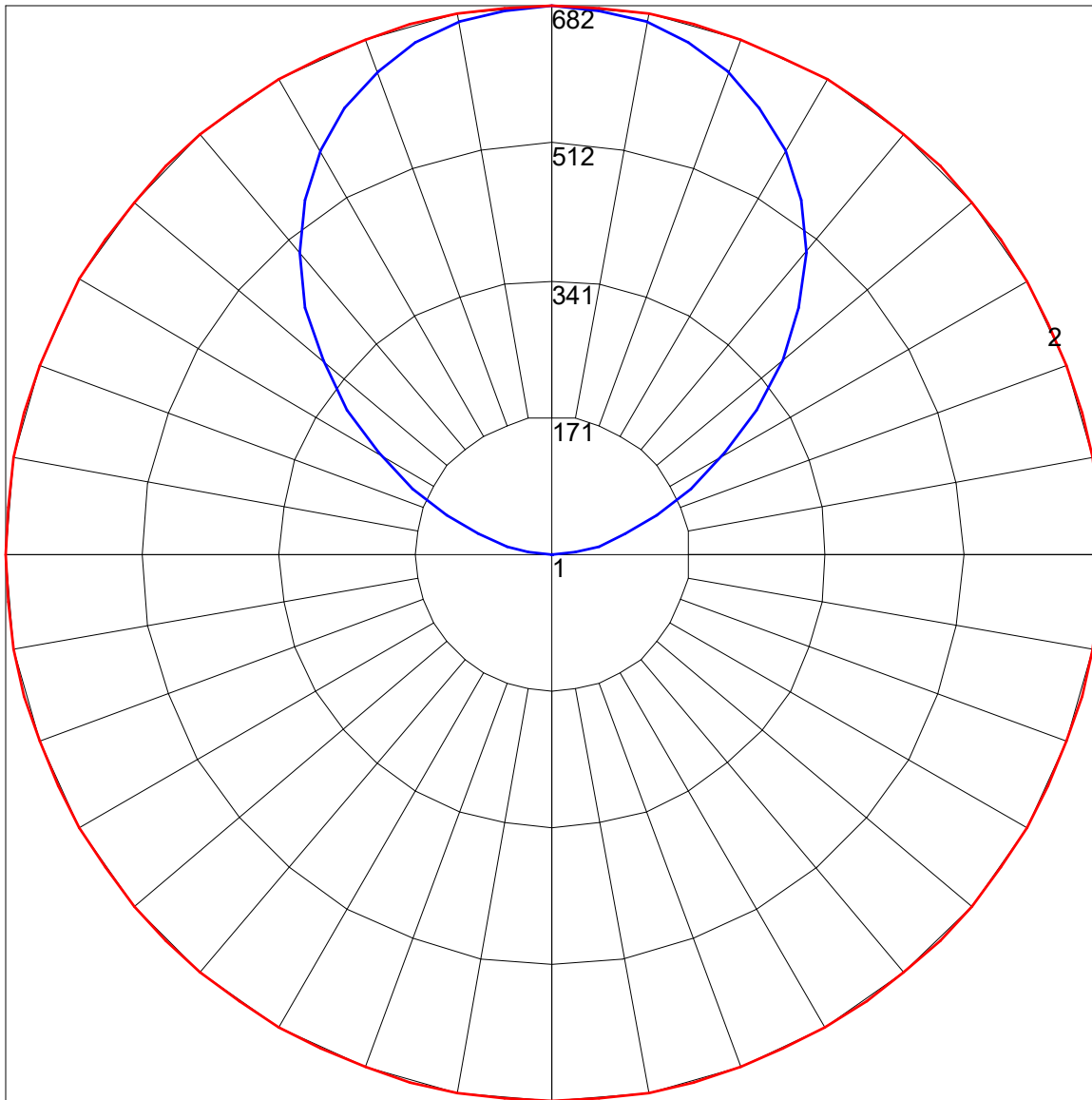
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	10	0
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 = 682 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.)