

IES Report

ZipThree® | 707 | Symmetric, uplight only | 90 CRI | LO

707-Z3-4-48-XX-XX-X-0-Z-LO-359-U1-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	108
Total Lumens, 4' rail length (1219mm)	1545	1594	1626	1659
Lumens per foot (305mm)	386	398	407	415
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	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_LO_359_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-359-U1
[LUMINAIRE] ZipThree LED, 48", 3500K, 90 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	1626
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
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

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>
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	16.0	16.0	16.5	16.5	16.0	16.5	16.0	16.0	16.0	16.0
100	43.0	43.0	43.5	43.5	43.5	43.5	43.5	44.0	44.0	44.0
105	78.0	78.0	78.0	78.5	78.5	79.0	79.5	79.5	80.0	80.5
110	120.5	120.5	120.5	121.0	121.5	122.0	122.5	123.0	123.5	124.0
115	170.0	170.0	170.0	170.5	171.0	171.5	172.0	172.5	173.5	174.0
120	225.0	225.0	225.5	225.5	226.5	227.0	227.5	228.0	229.0	229.5
125	283.5	283.5	283.5	284.0	284.5	285.0	286.0	286.5	287.0	287.5
130	341.5	341.5	341.5	342.0	342.5	343.0	343.5	344.0	344.5	345.5
135	396.0	396.0	396.0	396.0	396.5	396.5	397.5	398.0	398.5	399.0
140	444.0	444.0	444.5	444.5	444.5	444.5	445.0	445.5	446.0	446.5
145	486.0	486.0	486.0	486.0	486.0	486.5	486.5	486.5	487.0	487.0
150	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.5
155	550.0	550.0	550.0	550.0	549.5	549.5	549.5	549.5	549.5	549.5
160	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5
165	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
170	602.0	602.0	602.0	602.0	602.5	602.0	602.0	602.0	602.5	602.0
175	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5
180	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5

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>
0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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PHOTOMETRIC FILENAME : VODE_707_Z3_LO_359_U1.IES

CANDELA TABULATION - (Cont.)

65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95	16.0	16.0	16.0	15.5	15.5	15.5	15.5	15.5	15.0
100	44.0	44.5	44.5	44.5	44.5	44.5	44.0	44.0	44.0
105	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
110	124.5	124.5	125.0	125.0	125.5	125.5	125.5	125.5	126.0
115	174.5	175.0	175.5	176.0	176.0	176.5	177.0	177.0	177.0
120	230.0	231.0	231.5	232.0	232.5	233.0	233.5	233.5	234.0
125	288.5	289.0	289.5	290.5	291.0	291.5	292.0	292.0	292.5
130	346.0	346.5	347.0	347.5	348.0	348.0	348.5	349.0	349.0
135	399.5	399.5	400.0	400.5	400.5	401.0	401.5	401.5	401.5
140	446.5	447.0	447.0	447.5	447.5	448.0	448.0	448.0	448.0
145	487.5	487.5	487.5	488.0	488.0	488.5	488.5	488.5	488.5
150	521.5	521.5	521.5	522.0	522.0	522.0	522.0	522.5	522.5
155	549.5	549.5	549.5	550.0	550.0	550.0	550.0	550.0	550.0
160	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5	572.5
165	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
170	602.0	602.0	602.0	602.0	602.0	602.0	602.0	602.0	602.5
175	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5
180	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5

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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	106.92	N.A.	6.60
90-120	280.15	N.A.	17.20
90-130	537.33	N.A.	33.00
90-150	1148.32	N.A.	70.60
90-180	1626.04	N.A.	100.00
110-180	1519.12	N.A.	93.40
0-180	1626.04	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	20.62
100-110	86.30
110-120	173.24
120-130	257.17
130-140	306.75
140-150	304.24
150-160	253.27
160-170	166.52
170-180	57.94

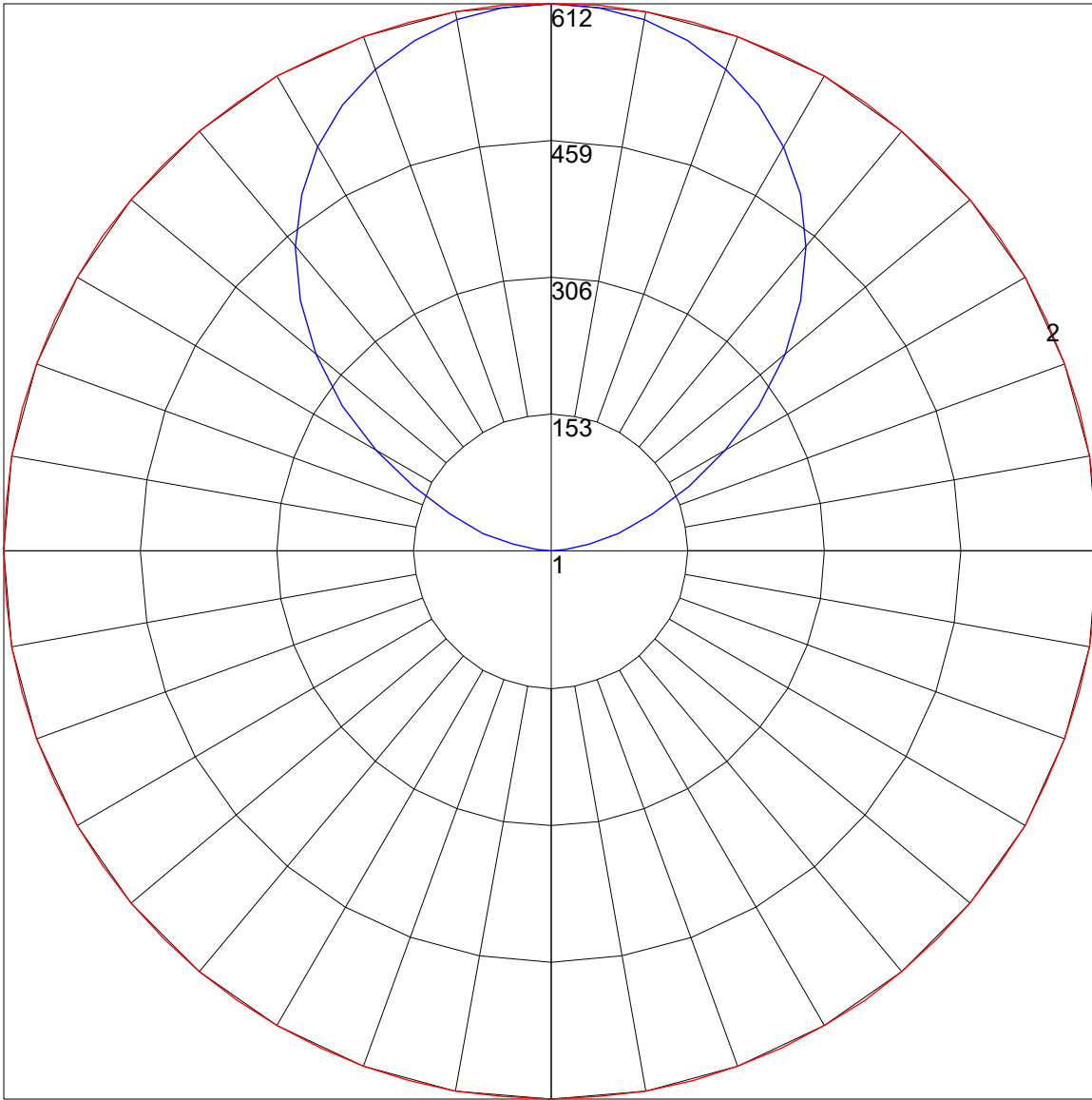
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 611.5 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.)