

IES Report

ZipThree® | 707 | Symmetric, upright only | 90 CRI | HO

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	110	113	116	118
Total Lumens, 4' rail length (1219mm)	5870	6055	6179	6303
Lumens per foot (305mm)	1468	1514	1545	1576
Input Power (W), 4' rail length (1219mm)	53.6	53.6	53.6	53.6
Watts per foot (305mm)	13.4	13.4	13.4	13.4
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_HO_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-HO-359-U1
 [LUMINAIRE] ZipThree LED, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric up, high output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6179
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
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>
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	60.8	60.8	62.7	62.7	60.8	62.7	60.8	60.8	60.8	60.8
100	163.4	163.4	165.3	165.3	165.3	165.3	165.3	167.2	167.2	167.2
105	296.4	296.4	296.4	298.3	298.3	300.2	302.1	302.1	304.0	305.9
110	457.9	457.9	457.9	459.8	461.7	463.6	465.5	467.4	469.3	471.2
115	646.0	646.0	646.0	647.9	649.8	651.7	653.6	655.5	659.3	661.2
120	855.0	855.0	856.9	856.9	860.7	862.6	864.5	866.4	870.2	872.1
125	1077.3	1077.3	1077.3	1079.2	1081.1	1083.0	1086.8	1088.7	1090.6	1092.5
130	1297.7	1297.7	1297.7	1299.6	1301.5	1303.4	1305.3	1307.2	1309.1	1312.9
135	1504.8	1504.8	1504.8	1504.8	1506.7	1506.7	1510.5	1512.4	1514.3	1516.2
140	1687.2	1687.2	1689.1	1689.1	1689.1	1689.1	1691.0	1692.9	1694.8	1696.7
145	1846.8	1846.8	1846.8	1846.8	1846.8	1848.7	1848.7	1848.7	1850.6	1850.6
150	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1979.8	1981.7
155	2090.0	2090.0	2090.0	2090.0	2088.1	2088.1	2088.1	2088.1	2088.1	2088.1
160	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5
165	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0
170	2287.6	2287.6	2287.6	2287.6	2289.5	2287.6	2287.6	2287.6	2289.5	2287.6
175	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1
180	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7

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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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	60.8	60.8	60.8	58.9	58.9	58.9	58.9	58.9	57.0
100	167.2	169.1	169.1	169.1	169.1	169.1	167.2	167.2	167.2
105	305.9	307.8	307.8	307.8	307.8	307.8	307.8	307.8	307.8
110	473.1	473.1	475.0	475.0	476.9	476.9	476.9	476.9	478.8
115	663.1	665.0	666.9	668.8	668.8	670.7	672.6	672.6	672.6
120	874.0	877.8	879.7	881.6	883.5	885.4	887.3	887.3	889.2
125	1096.3	1098.2	1100.1	1103.9	1105.8	1107.7	1109.6	1109.6	1111.5
130	1314.8	1316.7	1318.6	1320.5	1322.4	1322.4	1324.3	1326.2	1326.2
135	1518.1	1518.1	1520.0	1521.9	1521.9	1523.8	1525.7	1525.7	1525.7
140	1696.7	1698.6	1698.6	1700.5	1700.5	1702.4	1702.4	1702.4	1702.4
145	1852.5	1852.5	1852.5	1854.4	1854.4	1856.3	1856.3	1856.3	1856.3
150	1981.7	1981.7	1981.7	1983.6	1983.6	1983.6	1983.6	1985.5	1985.5
155	2088.1	2088.1	2088.1	2090.0	2090.0	2090.0	2090.0	2090.0	2090.0
160	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5	2175.5
165	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0	2242.0
170	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2287.6	2289.5
175	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1	2316.1
180	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7	2323.7

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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	406.28	N.A.	6.60
90-120	1064.59	N.A.	17.20
90-130	2041.85	N.A.	33.00
90-150	4363.6	N.A.	70.60
90-180	6178.95	N.A.	100.00
110-180	5772.67	N.A.	93.40
0-180	6178.95	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	78.34
100-110	327.94
110-120	658.30
120-130	977.26
130-140	1165.65
140-150	1156.1
150-160	962.41
160-170	632.77
170-180	220.17

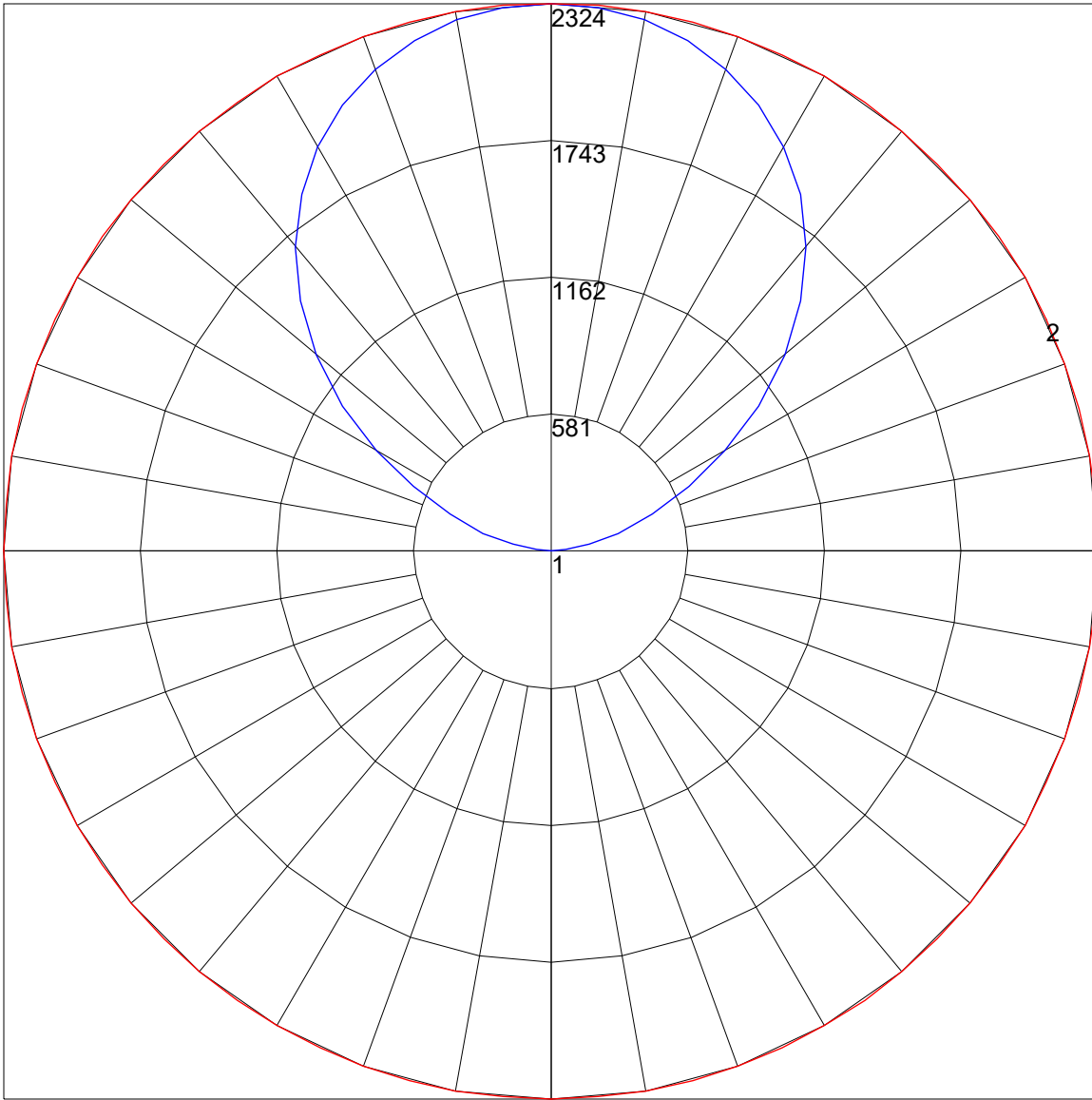
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2323.7 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.)