

IES Report

ZipThree® | 707 | Symmetric, uplight only | 80 CRI | HO

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	139	144	147	147
Total Lumens, 4' rail length (1219mm)	7479	7715	7873	7873
Lumens per foot (305mm)	1870	1929	1968	1968
Input Power (W), 4' rail length (1219mm)	53.8	53.8	53.8	53.8
Watts per foot (305mm)	13.5	13.5	13.5	13.5
CRI	82	82	82	82

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_U1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911540R01 (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-HO-35-U1-AL

[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board, symmetric lens up,

[MORE] high 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	7858
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	53.83
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>
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	92.4	92.4	92.4	92.4	92.4	92.4	94.6	94.6	92.4	92.4
100	217.8	217.8	217.8	220.0	220.0	220.0	222.2	222.2	224.4	224.4
105	378.4	378.4	378.4	380.6	382.8	385.0	387.2	389.4	391.6	393.8
110	572.0	572.0	572.0	574.2	578.6	580.8	585.2	589.6	591.8	598.4
115	796.4	796.4	798.6	800.8	805.2	807.4	814.0	818.4	822.8	829.4
120	1051.6	1051.6	1053.8	1056.0	1060.4	1064.8	1069.2	1075.8	1082.4	1086.8
125	1326.6	1326.6	1328.8	1331.0	1335.4	1339.8	1344.2	1350.8	1355.2	1361.8
130	1608.2	1608.2	1610.4	1612.6	1614.8	1619.2	1625.8	1630.2	1634.6	1641.2
135	1881.0	1881.0	1883.2	1885.4	1887.6	1889.8	1894.2	1898.6	1903.0	1907.4
140	2131.8	2131.8	2134.0	2134.0	2136.2	2138.4	2140.6	2145.0	2147.2	2151.6
145	2349.6	2349.6	2349.6	2351.8	2351.8	2354.0	2356.2	2358.4	2360.6	2362.8
150	2532.2	2534.4	2534.4	2534.4	2534.4	2536.6	2536.6	2538.8	2541.0	2541.0
155	2684.0	2684.0	2684.0	2684.0	2684.0	2684.0	2686.2	2686.2	2686.2	2688.4
160	2800.6	2802.8	2802.8	2800.6	2802.8	2802.8	2802.8	2802.8	2802.8	2802.8
165	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8
170	2950.2	2950.2	2950.2	2950.2	2952.4	2952.4	2950.2	2950.2	2950.2	2950.2
175	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4
180	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2

Vert. Angles 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>
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	92.4	92.4	92.4	92.4	90.2	90.2	88.0	88.0	88.0
100	226.6	226.6	228.8	228.8	228.8	228.8	228.8	228.8	226.6
105	398.2	400.4	402.6	404.8	407.0	407.0	407.0	407.0	407.0
110	602.8	605.0	609.4	611.6	613.8	616.0	618.2	618.2	618.2
115	833.8	838.2	842.6	847.0	851.4	853.6	855.8	855.8	855.8
120	1093.4	1097.8	1102.2	1108.8	1111.0	1115.4	1115.4	1117.6	1117.6
125	1368.4	1372.8	1379.4	1383.8	1386.0	1390.4	1392.6	1392.6	1392.6
130	1645.6	1650.0	1654.4	1658.8	1663.2	1665.4	1667.6	1667.6	1667.6
135	1911.8	1916.2	1918.4	1922.8	1925.0	1927.2	1929.4	1929.4	1929.4
140	2153.8	2158.2	2160.4	2160.4	2164.8	2164.8	2164.8	2167.0	2164.8
145	2365.0	2367.2	2367.2	2369.4	2371.6	2371.6	2371.6	2371.6	2371.6
150	2543.2	2543.2	2545.4	2545.4	2547.6	2547.6	2547.6	2547.6	2547.6
155	2688.4	2688.4	2688.4	2688.4	2690.6	2690.6	2690.6	2690.6	2690.6
160	2805.0	2802.8	2805.0	2802.8	2805.0	2805.0	2802.8	2802.8	2805.0
165	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8	2890.8
170	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2	2950.2
175	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4	2985.4
180	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2	2994.2

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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	535.34	N.A.	6.80
90-120	1361.07	N.A.	17.30
90-130	2579.07	N.A.	32.80
90-150	5521.36	N.A.	70.30
90-180	7858.43	N.A.	100.00
110-180	7323.09	N.A.	93.20
0-180	7858.43	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	111.02
100-110	424.33
110-120	825.73
120-130	1218.00
130-140	1467.56
140-150	1474.72
150-160	1237.49
160-170	815.76
170-180	283.83

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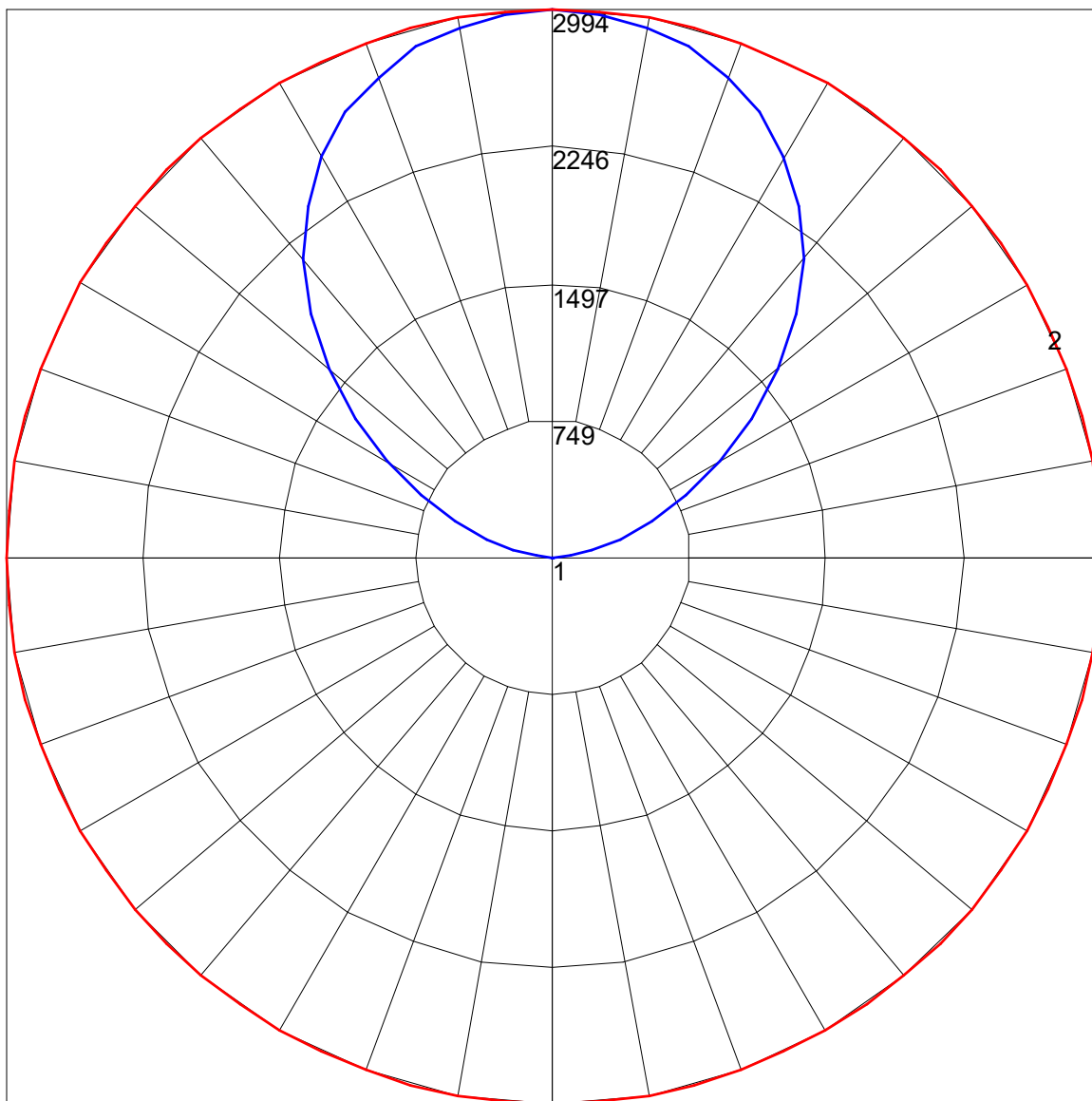
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2994.2 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.)