

IES Report

ZipThree® | 707 | Symmetric, upright only | 80 CRI | SO

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	151	156	159	159
Total Lumens, 4' rail length (1219mm)	3936	4061	4144	4144
Lumens per foot (305mm)	984	1015	1036	1036
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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_SO_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-SO-35-U1-AL
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board, symmetric lens up,
[MORE] standard 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	4144
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	159
Total Luminaire Watts	26.12
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	48.72	48.72	48.72	48.72	48.72	48.72	49.88	49.88	48.72	48.72
100	114.84	114.84	114.84	116.00	116.00	116.00	117.16	117.16	118.32	118.32
105	199.52	199.52	199.52	200.68	201.84	203.00	204.16	205.32	206.48	207.64
110	301.60	301.60	301.60	302.76	305.08	306.24	308.56	310.88	312.04	315.52
115	419.92	419.92	421.08	422.24	424.56	425.72	429.20	431.52	433.84	437.32
120	554.48	554.48	555.64	556.80	559.12	561.44	563.76	567.24	570.72	573.04
125	699.48	699.48	700.64	701.80	704.12	706.44	708.76	712.24	714.56	718.04
130	847.96	847.96	849.12	850.28	851.44	853.76	857.24	859.56	861.88	865.36
135	991.80	991.80	992.96	994.12	995.28	996.44	998.76	1001.08	1003.40	1005.72
140	1124.04	1124.04	1125.20	1125.20	1126.36	1127.52	1128.68	1131.00	1132.16	1134.48
145	1238.88	1238.88	1238.88	1240.04	1240.04	1241.20	1242.36	1243.52	1244.68	1245.84
150	1335.16	1336.32	1336.32	1336.32	1336.32	1337.48	1337.48	1338.64	1339.80	1339.80
155	1415.20	1415.20	1415.20	1415.20	1415.20	1415.20	1416.36	1416.36	1416.36	1417.52
160	1476.68	1477.84	1477.84	1476.68	1477.84	1477.84	1477.84	1477.84	1477.84	1477.84
165	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24
170	1555.56	1555.56	1555.56	1555.56	1556.72	1556.72	1555.56	1555.56	1555.56	1555.56
175	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12
180	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76

Vert. 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	48.72	48.72	48.72	48.72	47.56	47.56	46.40	46.40	46.40
100	119.48	119.48	120.64	120.64	120.64	120.64	120.64	120.64	119.48
105	209.96	211.12	212.28	213.44	214.60	214.60	214.60	214.60	214.60
110	317.84	319.00	321.32	322.48	323.64	324.80	325.96	325.96	325.96
115	439.64	441.96	444.28	446.60	448.92	450.08	451.24	451.24	451.24
120	576.52	578.84	581.16	584.64	585.80	588.12	588.12	589.28	589.28
125	721.52	723.84	727.32	729.64	730.80	733.12	734.28	734.28	734.28
130	867.68	870.00	872.32	874.64	876.96	878.12	879.28	879.28	879.28
135	1008.04	1010.36	1011.52	1013.84	1015.00	1016.16	1017.32	1017.32	1017.32
140	1135.64	1137.96	1139.12	1139.12	1141.44	1141.44	1141.44	1142.60	1141.44
145	1247.00	1248.16	1248.16	1249.32	1250.48	1250.48	1250.48	1250.48	1250.48
150	1340.96	1340.96	1342.12	1342.12	1343.28	1343.28	1343.28	1343.28	1343.28
155	1417.52	1417.52	1417.52	1417.52	1418.68	1418.68	1418.68	1418.68	1418.68
160	1479.00	1477.84	1479.00	1477.84	1479.00	1479.00	1477.84	1477.84	1479.00
165	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24	1524.24
170	1555.56	1555.56	1555.56	1555.56	1555.56	1555.56	1555.56	1555.56	1555.56
175	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12	1574.12
180	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76	1578.76

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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	282.27	N.A.	6.80
90-120	717.66	N.A.	17.30
90-130	1359.88	N.A.	32.80
90-150	2911.26	N.A.	70.30
90-180	4143.54	N.A.	100.00
110-180	3861.27	N.A.	93.20
0-180	4143.54	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	58.54
100-110	223.74
110-120	435.39
120-130	642.22
130-140	773.80
140-150	777.58
150-160	652.49
160-170	430.13
170-180	149.65

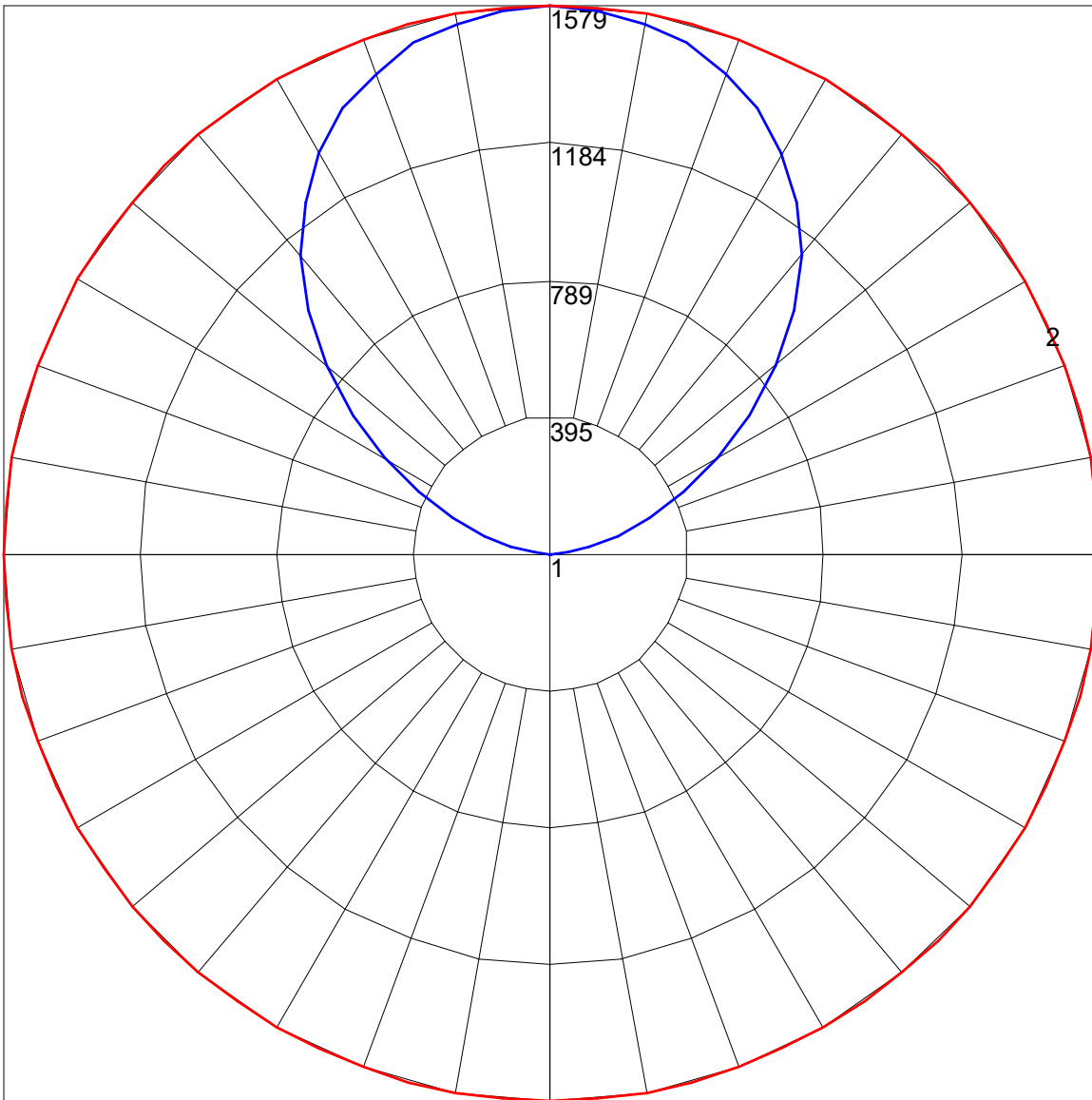
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1578.76 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.)