

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	137	142	145	147
Total Lumens, 4' rail length (1219mm)	3584	3697	3772	3848
Lumens per foot (305mm)	896	924	943	962
Input Power (W), 4' rail length (1219mm)	26.2	26.2	26.2	26.2
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	85	85	85	85

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] 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-SO-35-U1
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric up, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3772
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	26.29
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	0.00	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	37.12	37.12	38.28	38.28	37.12	38.28	37.12	37.12	37.12	37.12
100	99.76	99.76	100.92	100.92	100.92	100.92	100.92	102.08	102.08	102.08
105	180.96	180.96	180.96	182.12	182.12	183.28	184.44	184.44	185.60	186.76
110	279.56	279.56	279.56	280.72	281.88	283.04	284.20	285.36	286.52	287.68
115	394.40	394.40	394.40	395.56	396.72	397.88	399.04	400.20	402.52	403.68
120	522.00	522.00	523.16	523.16	525.48	526.64	527.80	528.96	531.28	532.44
125	657.72	657.72	657.72	658.88	660.04	661.20	663.52	664.68	665.84	667.00
130	792.28	792.28	792.28	793.44	794.60	795.76	796.92	798.08	799.24	801.56
135	918.72	918.72	918.72	918.72	919.88	919.88	922.20	923.36	924.52	925.68
140	1030.08	1030.08	1031.24	1031.24	1031.24	1031.24	1032.40	1033.56	1034.72	1035.88
145	1127.52	1127.52	1127.52	1127.52	1127.52	1128.68	1128.68	1128.68	1129.84	1129.84
150	1208.72	1208.72	1208.72	1208.72	1208.72	1208.72	1208.72	1208.72	1208.72	1209.88
155	1276.00	1276.00	1276.00	1276.00	1274.84	1274.84	1274.84	1274.84	1274.84	1274.84
160	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20
165	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80
170	1396.64	1396.64	1396.64	1396.64	1397.80	1396.64	1396.64	1396.64	1397.80	1396.64
175	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04
180	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68

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	0.00	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U1.IES

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	37.12	37.12	37.12	35.96	35.96	35.96	35.96	35.96	34.80
100	102.08	103.24	103.24	103.24	103.24	103.24	102.08	102.08	102.08
105	186.76	187.92	187.92	187.92	187.92	187.92	187.92	187.92	187.92
110	288.84	288.84	290.00	290.00	291.16	291.16	291.16	291.16	292.32
115	404.84	406.00	407.16	408.32	408.32	409.48	410.64	410.64	410.64
120	533.60	535.92	537.08	538.24	539.40	540.56	541.72	541.72	542.88
125	669.32	670.48	671.64	673.96	675.12	676.28	677.44	677.44	678.60
130	802.72	803.88	805.04	806.20	807.36	807.36	808.52	809.68	809.68
135	926.84	926.84	928.00	929.16	929.16	930.32	931.48	931.48	931.48
140	1035.88	1037.04	1037.04	1038.20	1038.20	1039.36	1039.36	1039.36	1039.36
145	1131.00	1131.00	1131.00	1132.16	1132.16	1133.32	1133.32	1133.32	1133.32
150	1209.88	1209.88	1209.88	1211.04	1211.04	1211.04	1211.04	1212.20	1212.20
155	1274.84	1274.84	1274.84	1276.00	1276.00	1276.00	1276.00	1276.00	1276.00
160	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20	1328.20
165	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80	1368.80
170	1396.64	1396.64	1396.64	1396.64	1396.64	1396.64	1396.64	1396.64	1397.80
175	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04	1414.04
180	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68	1418.68

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U1.IES

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	248.05	N.A.	6.60
90-120	649.96	N.A.	17.20
90-130	1246.6	N.A.	33.00
90-150	2664.09	N.A.	70.60
90-180	3772.41	N.A.	100.00
110-180	3524.36	N.A.	93.40
0-180	3772.41	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	47.83
100-110	200.22
110-120	401.91
120-130	596.64
130-140	711.66
140-150	705.83
150-160	587.58
160-170	386.32
170-180	134.42

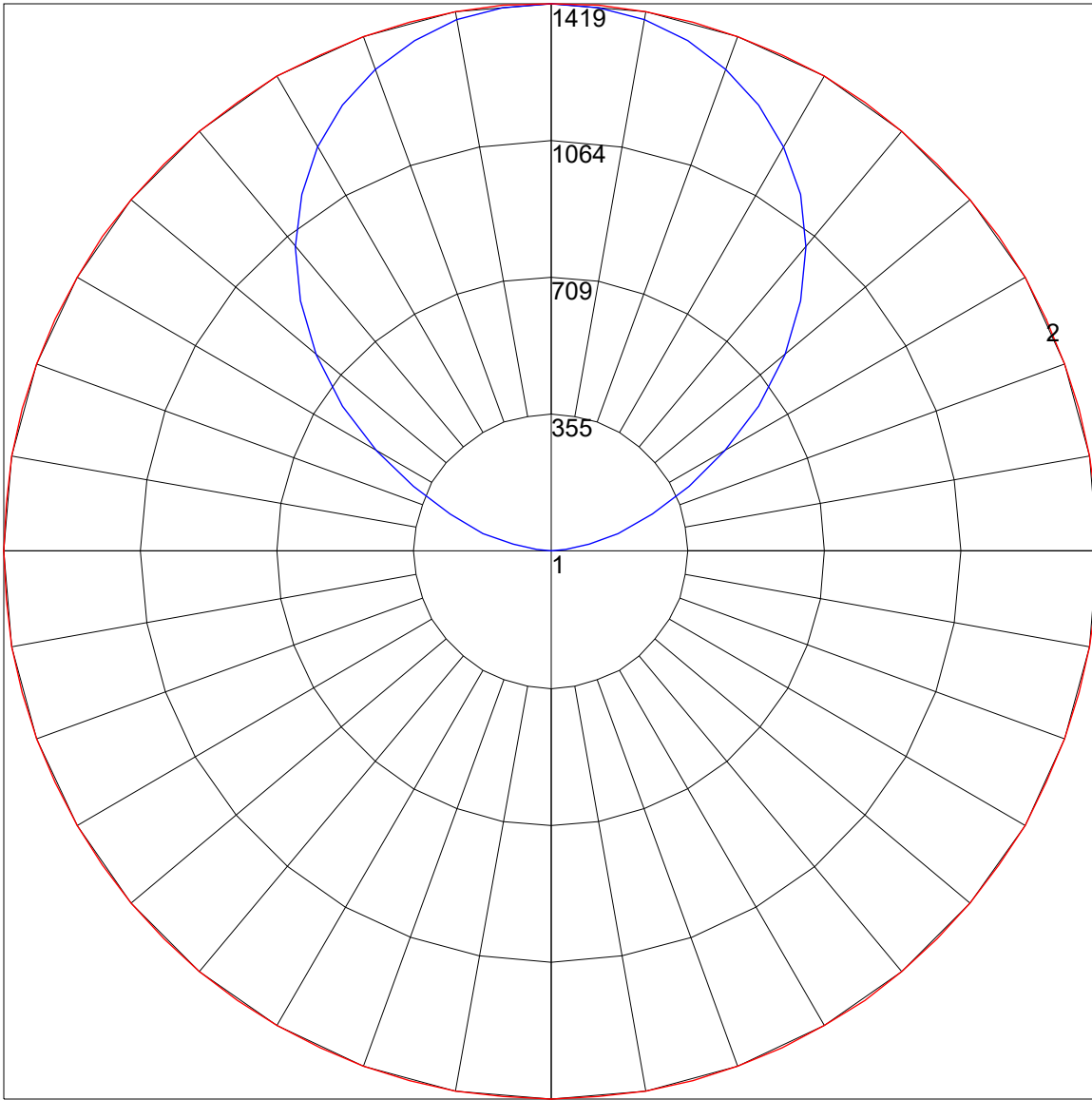
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_U1.IES

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 = 1418.68 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.)