

IES Report

ZipThree® | 707 | Symmetric with EdgeGlow™, uplight only | 80 CRI | LO

707-Z3-4-48-XX-XX-X-0-Z-LO-35-U2-X-XX-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	118	122	124	127
Total Lumens, 4' rail length (1219mm)	1813	1871	1909	1947
Lumens per foot (305mm)	453	468	477	487
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	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_LO_35_U2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L091700109 (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-35-U2
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board,
[MORE] symmetric w/edge glow up, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1909
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	0.00	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	5.80	5.80	5.22	5.22	5.22	4.64	4.64	4.06	4.06	3.48
95	22.04	22.04	22.04	22.04	22.04	21.46	21.46	20.88	20.88	20.30
100	52.20	52.20	52.20	52.20	52.20	52.20	52.20	52.20	51.62	51.62
105	91.64	91.64	91.64	91.64	91.64	92.22	92.22	92.80	92.80	92.80
110	140.36	140.36	140.94	140.94	141.52	142.10	142.10	142.68	143.26	143.84
115	198.36	198.36	198.94	199.52	199.52	200.10	201.26	201.84	203.00	203.58
120	263.90	264.48	264.48	265.06	265.64	266.22	267.38	267.96	269.12	270.86
125	332.92	333.50	333.50	334.08	334.66	335.82	336.40	337.56	338.72	339.88
130	401.36	401.36	401.94	401.94	403.10	403.68	404.26	405.42	406.00	407.16
135	464.00	464.00	464.58	465.16	465.74	466.32	466.90	467.48	468.06	469.22
140	519.68	519.68	520.26	520.26	520.84	521.42	522.00	522.58	523.16	523.74
145	567.24	567.24	567.82	567.82	568.40	568.98	568.98	569.56	570.14	570.14
150	607.84	607.84	607.84	607.84	608.42	608.42	609.00	609.00	609.00	609.58
155	640.32	640.32	640.32	640.90	640.90	640.90	641.48	641.48	641.48	641.48
160	666.42	666.42	666.42	667.00	667.00	667.00	667.00	667.00	667.00	667.00
165	686.14	686.14	686.14	686.14	686.14	686.14	686.14	686.14	686.14	686.14
170	700.06	700.06	700.06	700.06	699.48	700.06	700.06	700.06	700.06	700.06
175	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60
180	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92

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

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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	3.48	2.90	2.32	2.32	1.74	1.74	1.16	1.16	1.16
95	20.30	19.72	19.14	19.14	18.56	18.56	18.56	17.98	17.98
100	51.62	51.62	51.62	51.62	51.62	51.62	51.62	51.62	51.04
105	93.38	93.96	93.96	94.54	94.54	95.12	95.12	95.12	94.54
110	145.00	145.58	146.16	146.74	147.32	147.90	148.48	148.48	148.48
115	204.74	205.90	207.06	207.64	208.80	209.38	209.96	210.54	210.54
120	272.02	273.18	274.34	275.50	276.66	277.24	277.82	278.40	278.40
125	341.04	342.78	343.94	345.10	346.26	346.84	347.42	347.42	347.42
130	408.32	409.48	410.64	411.80	412.38	412.96	412.96	412.96	412.96
135	469.80	470.96	471.54	472.12	472.70	472.70	472.70	473.28	472.70
140	524.32	524.90	524.90	524.90	525.48	525.48	525.48	525.48	525.48
145	570.72	570.72	570.72	570.72	570.72	570.72	570.72	570.72	570.72
150	609.58	609.58	609.58	609.58	609.58	609.58	609.58	609.00	609.00
155	641.48	641.48	641.48	641.48	641.48	641.48	641.48	640.90	641.48
160	667.00	667.00	667.00	667.00	667.00	667.00	667.00	667.00	667.00
165	686.14	686.14	686.14	686.14	686.14	686.14	686.14	686.14	686.14
170	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06
175	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60
180	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92	709.92

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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	0.95	N.A.	0.00
10-90	0.95	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	0.95	N.A.	0.00
90-110	127.02	N.A.	6.70
90-120	330.76	N.A.	17.30
90-130	634.62	N.A.	33.20
90-150	1351.31	N.A.	70.80
90-180	1907.76	N.A.	100.00
110-180	1780.74	N.A.	93.30
0-180	1908.71	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	0.95
90-100	26.11
100-110	100.91
110-120	203.74
120-130	303.87
130-140	360.80
140-150	355.89
150-160	295.41
160-170	193.74
170-180	67.30

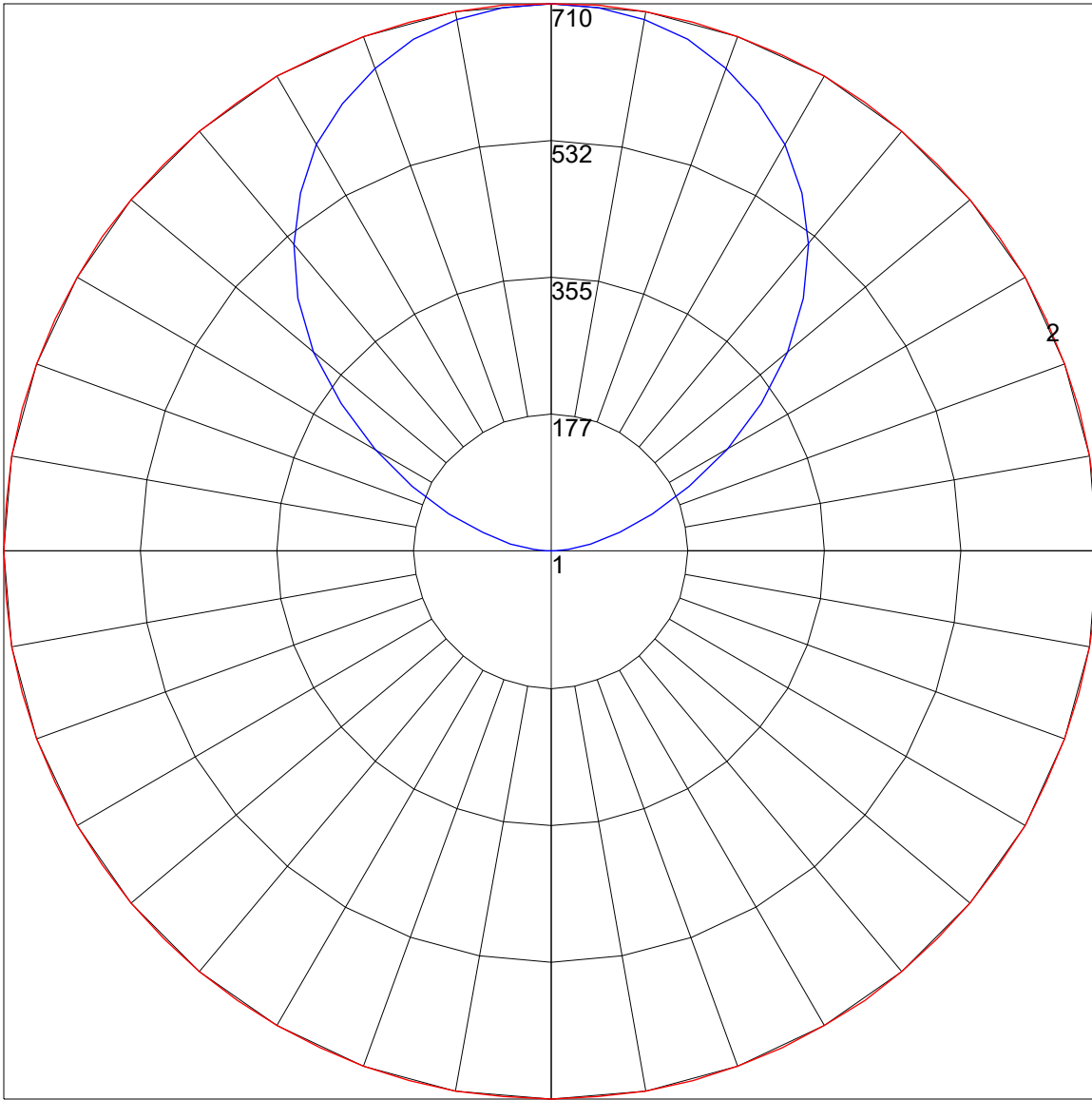
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 709.92 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.)