

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	133	137	140	140
Total Lumens, 4' rail length (1219mm)	1968	2030	2072	2072
Lumens per foot (305mm)	492	508	518	518
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
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_LO_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-LO-35-U1-AL

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

[MORE] low 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	2072
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_35_U1.IES

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	24.36	24.36	24.36	24.36	24.36	24.36	24.94	24.94	24.36	24.36
100	57.42	57.42	57.42	58.00	58.00	58.00	58.58	58.58	59.16	59.16
105	99.76	99.76	99.76	100.34	100.92	101.50	102.08	102.66	103.24	103.82
110	150.80	150.80	150.80	151.38	152.54	153.12	154.28	155.44	156.02	157.76
115	209.96	209.96	210.54	211.12	212.28	212.86	214.60	215.76	216.92	218.66
120	277.24	277.24	277.82	278.40	279.56	280.72	281.88	283.62	285.36	286.52
125	349.74	349.74	350.32	350.90	352.06	353.22	354.38	356.12	357.28	359.02
130	423.98	423.98	424.56	425.14	425.72	426.88	428.62	429.78	430.94	432.68
135	495.90	495.90	496.48	497.06	497.64	498.22	499.38	500.54	501.70	502.86
140	562.02	562.02	562.60	562.60	563.18	563.76	564.34	565.50	566.08	567.24
145	619.44	619.44	619.44	620.02	620.02	620.60	621.18	621.76	622.34	622.92
150	667.58	668.16	668.16	668.16	668.16	668.74	668.74	669.32	669.90	669.90
155	707.60	707.60	707.60	707.60	707.60	707.60	708.18	708.18	708.18	708.76
160	738.34	738.92	738.92	738.34	738.92	738.92	738.92	738.92	738.92	738.92
165	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12
170	777.78	777.78	777.78	777.78	778.36	778.36	777.78	777.78	777.78	777.78
175	787.06	787.06	787.06	787.06	787.06	787.06	787.06	787.06	787.06	787.06
180	789.38	789.38	789.38	789.38	789.38	789.38	789.38	789.38	789.38	789.38

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	0.00	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_LO_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	24.36	24.36	24.36	24.36	23.78	23.78	23.20	23.20	23.20
100	59.74	59.74	60.32	60.32	60.32	60.32	60.32	60.32	59.74
105	104.98	105.56	106.14	106.72	107.30	107.30	107.30	107.30	107.30
110	158.92	159.50	160.66	161.24	161.82	162.40	162.98	162.98	162.98
115	219.82	220.98	222.14	223.30	224.46	225.04	225.62	225.62	225.62
120	288.26	289.42	290.58	292.32	292.90	294.06	294.06	294.64	294.64
125	360.76	361.92	363.66	364.82	365.40	366.56	367.14	367.14	367.14
130	433.84	435.00	436.16	437.32	438.48	439.06	439.64	439.64	439.64
135	504.02	505.18	505.76	506.92	507.50	508.08	508.66	508.66	508.66
140	567.82	568.98	569.56	569.56	570.72	570.72	570.72	571.30	570.72
145	623.50	624.08	624.08	624.66	625.24	625.24	625.24	625.24	625.24
150	670.48	670.48	671.06	671.06	671.64	671.64	671.64	671.64	671.64
155	708.76	708.76	708.76	708.76	709.34	709.34	709.34	709.34	709.34
160	739.50	738.92	739.50	738.92	739.50	739.50	738.92	738.92	739.50
165	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12	762.12
170	777.78	777.78	777.78	777.78	777.78	777.78	777.78	777.78	777.78
175	787.06	787.06	787.06	787.06	787.06	787.06	787.06	787.06	787.06
180	789.38	789.38	789.38	789.38	789.38	789.38	789.38	789.38	789.38

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_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	141.14	N.A.	6.80
90-120	358.83	N.A.	17.30
90-130	679.94	N.A.	32.80
90-150	1455.63	N.A.	70.30
90-180	2071.77	N.A.	100.00
110-180	1930.63	N.A.	93.20
0-180	2071.77	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	29.27
100-110	111.87
110-120	217.69
120-130	321.11
130-140	386.90
140-150	388.79
150-160	326.25
160-170	215.06
170-180	74.83

IES INDOOR REPORT

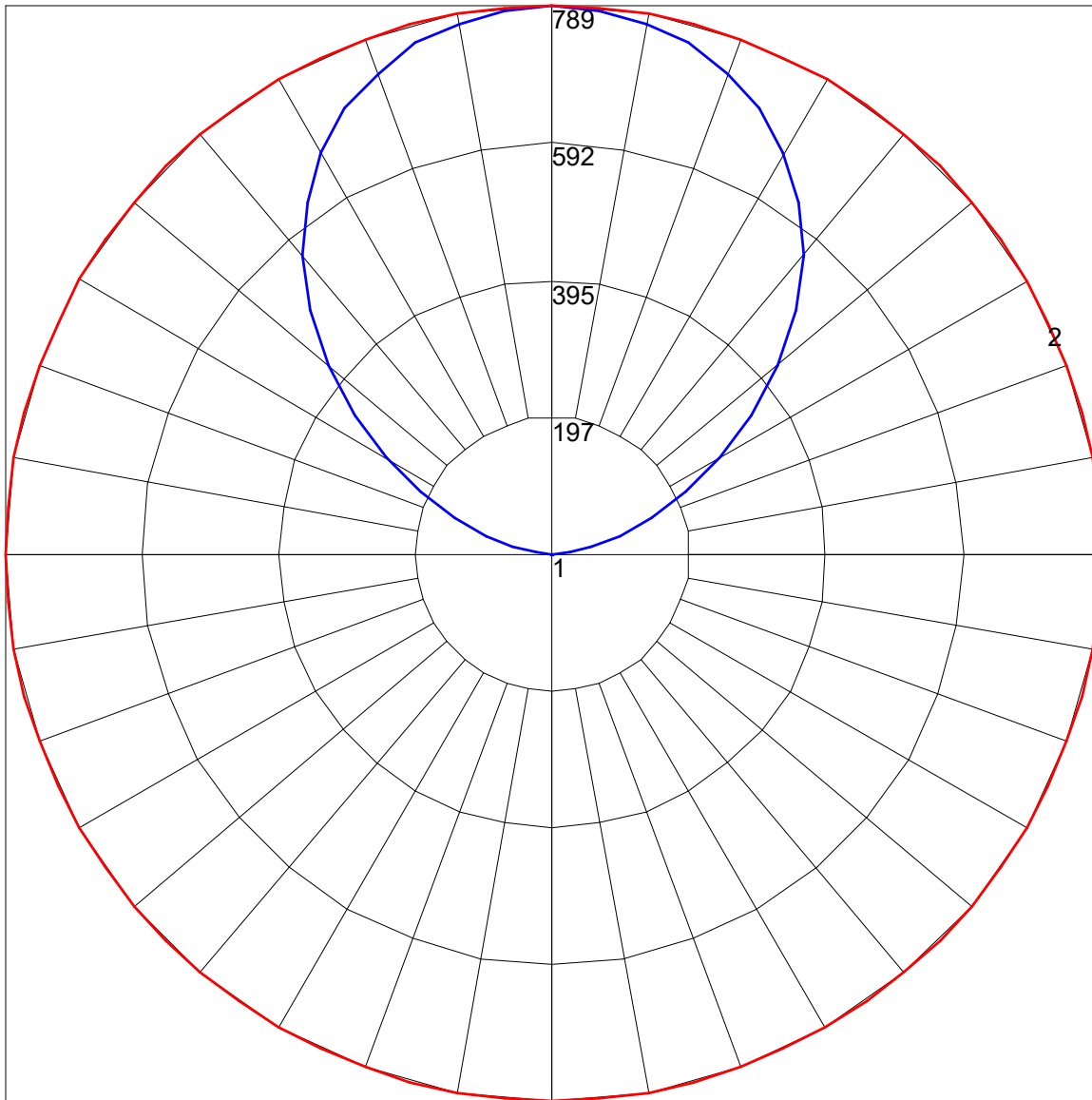
PHOTOMETRIC FILENAME : VODE_707_Z3_LO_35_U1.IES

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	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	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 = 789.38 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.)