

IES Report

ZipTwo® | 707 | Diffuse | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-D3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	112	115	118	119
Total Lumens, 4' rail length (1219mm)	1659	1711	1746	1764
Lumens per foot (305mm)	415	428	437	441
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	94	94	94	94

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_Z2_LO_359_D3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911534 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-LO-359-D3-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board, diffuse lens,

[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	1746
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 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	19273	19416	19560
55	17135	17194	17253
65	14865	14825	14705
75	12984	12723	12136
85	14532	13176	10657

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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	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
10	668.0	667.5	668.0	667.5	668.0	668.0	667.5	668.0	668.0	668.0
15	650.5	650.0	650.0	650.0	650.0	650.0	650.5	650.5	650.5	651.0
20	625.5	625.0	625.5	625.5	625.5	625.5	626.0	626.5	626.5	627.0
25	593.0	593.0	593.5	593.5	594.0	594.5	594.5	595.0	595.5	595.5
30	554.0	554.5	554.5	554.5	554.5	555.0	556.0	556.0	556.5	557.0
35	509.0	509.0	509.0	509.0	509.5	510.0	510.5	511.0	511.5	512.0
40	458.5	458.5	458.5	458.5	459.5	459.5	460.0	460.5	460.5	461.5
45	403.5	404.0	404.0	404.0	404.5	405.0	405.0	405.5	405.5	406.5
50	347.5	347.5	347.5	347.5	347.5	348.0	348.5	348.5	348.5	349.0
55	291.0	291.0	291.0	291.0	291.5	291.5	291.5	292.0	292.0	292.0
60	236.5	236.5	237.0	237.0	237.0	237.0	237.0	237.0	237.0	237.0
65	186.0	186.0	186.0	186.0	186.0	186.0	186.0	185.5	185.5	185.5
70	140.0	140.0	140.0	140.0	140.0	139.5	139.5	139.5	139.0	138.5
75	99.5	99.5	99.5	99.0	99.0	99.0	98.5	98.5	98.0	97.5
80	65.5	65.0	65.0	65.0	64.5	64.5	64.0	63.5	63.0	62.5
85	37.5	37.5	37.5	37.5	37.0	36.5	36.0	35.5	35.0	34.0
90	16.0	16.0	15.5	15.0	15.0	14.5	13.5	13.0	12.0	11.0
95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0	680.0
5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5	677.5
10	668.0	668.0	668.0	668.0	668.5	668.0	668.5	668.5	668.0
15	651.5	651.5	651.5	652.0	652.0	652.0	651.5	652.0	652.0
20	627.0	627.5	628.0	628.0	628.5	628.5	628.0	628.5	628.0
25	596.0	596.5	597.0	597.5	598.0	598.0	598.0	598.0	598.0
30	557.5	558.0	558.0	559.5	559.0	559.5	560.0	560.0	560.0
35	512.5	513.5	514.0	514.0	514.5	515.0	515.0	515.5	515.5
40	461.5	462.5	463.0	463.5	464.0	464.0	464.5	464.5	464.5
45	406.5	407.0	407.5	408.0	408.5	409.0	409.0	409.0	409.5
50	349.5	349.5	350.0	350.5	350.5	351.0	351.0	351.0	351.0
55	292.0	292.5	292.5	292.5	292.5	293.0	293.0	293.0	293.0
60	237.0	237.0	237.0	237.0	236.5	236.5	236.5	236.5	236.5

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CANDELA TABULATION - (Cont.)

65	185.0	185.0	185.0	184.5	184.5	184.0	184.0	183.5	184.0
70	138.5	138.0	137.5	137.5	137.0	136.5	136.0	136.0	136.0
75	97.0	96.5	96.0	95.0	94.5	94.0	93.5	93.5	93.0
80	62.0	61.0	60.5	59.5	59.0	58.5	57.5	57.0	57.0
85	33.5	32.5	31.5	31.0	30.0	29.0	28.5	28.0	27.5
90	10.0	9.5	8.5	7.5	6.5	5.5	4.5	4.0	3.0
95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	247.92	N.A.	14.20
0-30	522.04	N.A.	29.90
0-40	841.90	N.A.	48.20
0-60	1416.92	N.A.	81.10
0-80	1705.43	N.A.	97.70
0-90	1743.41	N.A.	99.80
10-90	1679.05	N.A.	96.10
20-40	593.99	N.A.	34.00
20-50	907.34	N.A.	52.00
40-70	759.53	N.A.	43.50
60-80	288.51	N.A.	16.50
70-80	103.99	N.A.	6.00
80-90	37.99	N.A.	2.20
90-110	2.91	N.A.	0.20
90-120	2.91	N.A.	0.20
90-130	2.91	N.A.	0.20
90-150	2.91	N.A.	0.20
90-180	2.91	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	1746.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	64.36
10-20	183.56
20-30	274.12
30-40	319.87
40-50	313.35
50-60	261.66
60-70	184.52
70-80	103.99
80-90	37.99
90-100	2.91
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

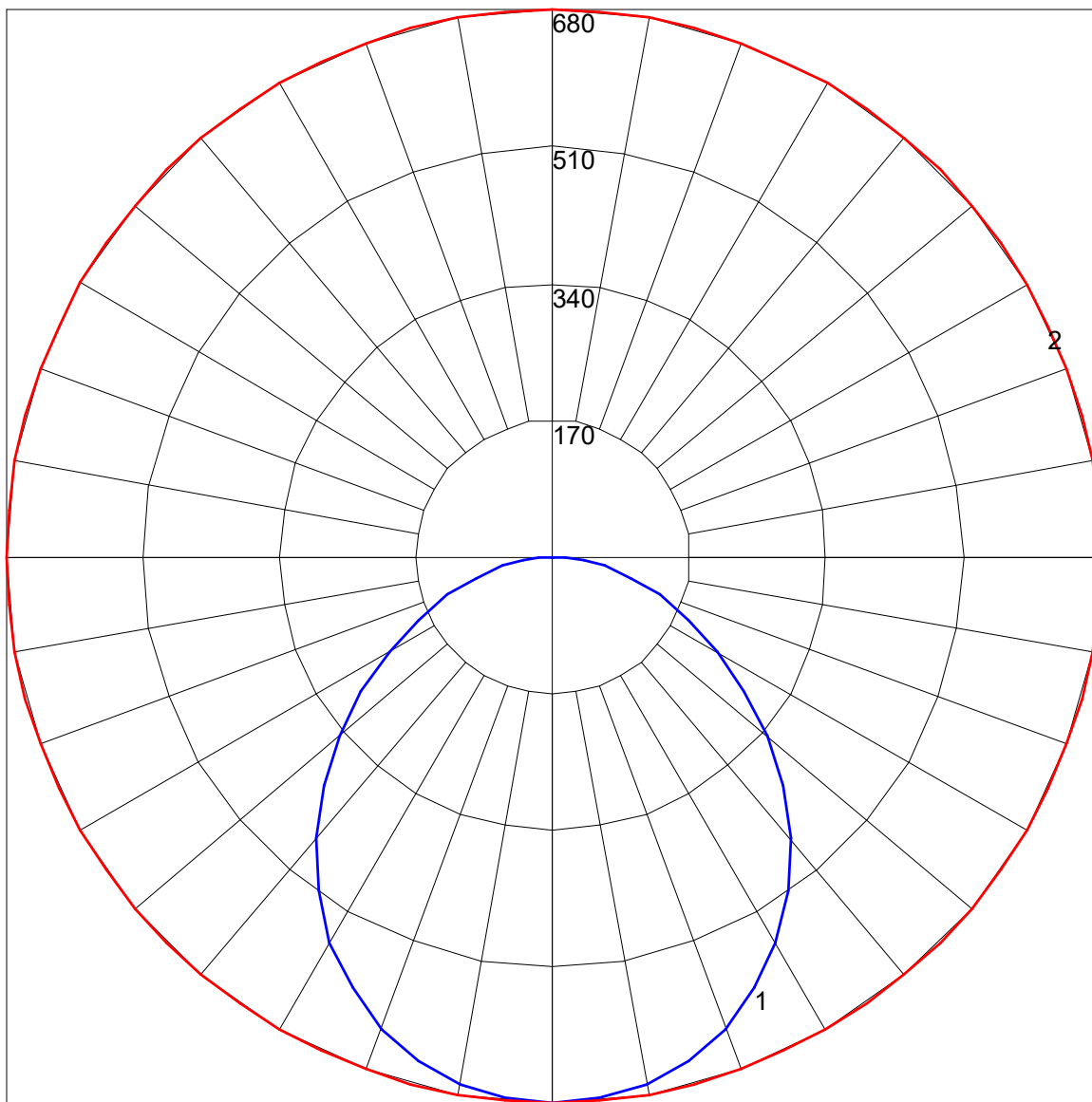
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	85	79	97	90	83	78	86	81	76	83	78	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 680 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)