

IES Report

ZipTwo® | 707 | 40° Symmetric | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-S1-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	31	32	33	33
Total Lumens, 4' rail length (1219mm)	498	514	524	535
Lumens per foot (305mm)	125	128	131	134
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
CRI	96	96	96	96

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_S1-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704227 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-LO-359-S1-BL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 40° black symmetric lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	524
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4100	11239	39167
55	1784	4876	22477
65	1130	2583	11621
75	791	1581	6325
85	783	783	3131

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	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17
1.0	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17
3.0	489.60	489.60	489.60	489.60	490.11	490.11	490.62	490.62	491.13	491.13
5.0	480.93	480.93	480.93	481.44	481.95	482.46	483.48	484.50	485.01	486.03
7.0	465.63	465.63	466.14	467.16	468.18	469.71	471.24	473.28	475.32	477.36
9.0	445.23	445.23	446.25	447.78	449.82	451.86	454.92	457.98	461.55	465.12
11.0	420.24	420.75	422.28	424.32	427.38	430.95	435.03	439.62	444.72	450.33
13.0	391.17	391.68	393.72	396.27	400.35	405.45	411.06	417.69	424.83	432.48
15.0	358.53	359.55	361.59	365.16	370.26	376.89	384.03	392.70	401.88	411.06
17.0	323.85	324.36	327.42	332.01	337.62	345.27	354.45	364.65	375.87	387.60
19.5	279.48	280.50	283.56	288.66	295.80	304.98	315.69	328.44	341.70	356.49
22.5	225.93	226.95	230.52	236.13	244.29	254.49	266.73	281.01	297.33	314.67
25.5	176.46	177.48	181.05	186.66	194.82	205.53	218.79	234.09	251.94	271.32
29.0	127.50	128.52	131.58	137.19	144.84	155.04	167.79	183.09	201.45	221.85
33.0	83.64	84.66	87.21	91.80	97.92	106.59	117.81	131.58	147.90	167.79
37.5	49.98	50.49	52.53	55.59	60.18	66.81	75.48	86.19	99.96	116.79
42.5	27.54	28.05	29.07	31.11	34.17	38.25	43.86	51.51	61.71	73.95
47.5	15.81	15.81	16.83	17.85	19.89	21.93	25.50	30.60	36.72	44.88
55.0	7.65	7.65	8.16	8.67	9.18	10.20	11.73	13.77	16.83	20.91
65.0	3.57	3.57	3.57	3.57	4.08	4.59	5.10	5.61	6.63	8.16
75.0	1.53	1.53	1.53	1.53	1.53	2.04	2.04	2.55	2.55	3.06
85.0	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17
1.0	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17	493.17
3.0	491.13	491.64	492.15	492.15	492.15	492.66	492.66	492.66	492.66
5.0	487.05	488.07	489.09	489.60	490.62	491.13	491.13	491.64	491.64
7.0	479.40	481.44	482.97	485.01	486.54	487.56	488.58	489.09	489.09
9.0	468.69	471.75	475.32	478.38	480.93	482.97	484.50	485.52	485.52
11.0	455.43	460.53	465.63	470.22	474.30	477.36	479.91	481.44	481.95
13.0	440.13	447.27	453.90	460.53	466.14	470.22	473.79	475.83	476.85
15.0	421.26	430.95	439.62	448.80	455.94	462.06	466.14	469.20	470.22
17.0	399.84	412.08	423.81	435.03	444.21	451.86	457.47	461.04	462.06
19.5	371.79	387.09	401.37	415.65	427.89	437.58	445.23	450.33	451.86
22.5	333.54	352.41	371.28	388.62	403.92	417.18	427.38	432.99	435.03
25.5	293.25	314.67	337.11	358.02	376.89	393.21	405.45	413.10	415.65
29.0	244.29	269.28	293.76	319.26	341.70	361.59	376.38	385.56	389.13
33.0	190.74	215.73	242.76	270.81	296.31	318.75	336.60	347.31	350.88
37.5	137.19	160.65	187.17	212.16	240.72	264.69	284.58	296.82	300.90
42.5	89.76	109.14	131.07	154.02	179.52	201.45	221.85	234.09	238.68
47.5	56.10	69.36	85.68	105.06	125.46	144.84	160.65	171.36	175.44
55.0	26.52	33.15	42.33	53.55	64.26	76.50	86.70	93.84	96.39
65.0	10.20	12.75	15.81	19.89	23.97	28.56	32.64	35.70	36.72
75.0	3.57	4.59	5.61	6.63	8.16	9.69	11.22	12.24	12.24
85.0	1.02	1.02	1.02	1.53	1.53	1.53	2.04	2.04	2.04
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	153.71	N.A.	29.30
0-30	280.62	N.A.	53.50
0-40	377.70	N.A.	72.00
0-60	488.18	N.A.	93.10
0-80	520.86	N.A.	99.40
0-90	524.26	N.A.	100.00
10-90	487.11	N.A.	92.90
20-40	223.99	N.A.	42.70
20-50	301.00	N.A.	57.40
40-70	133.68	N.A.	25.50
60-80	32.68	N.A.	6.20
70-80	9.48	N.A.	1.80
80-90	3.40	N.A.	0.60
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	524.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	37.14
10-20	116.56
20-30	126.92
30-40	97.07
40-50	77.01
50-60	33.47
60-70	23.20
70-80	9.48
80-90	3.40
90-100	0.00
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

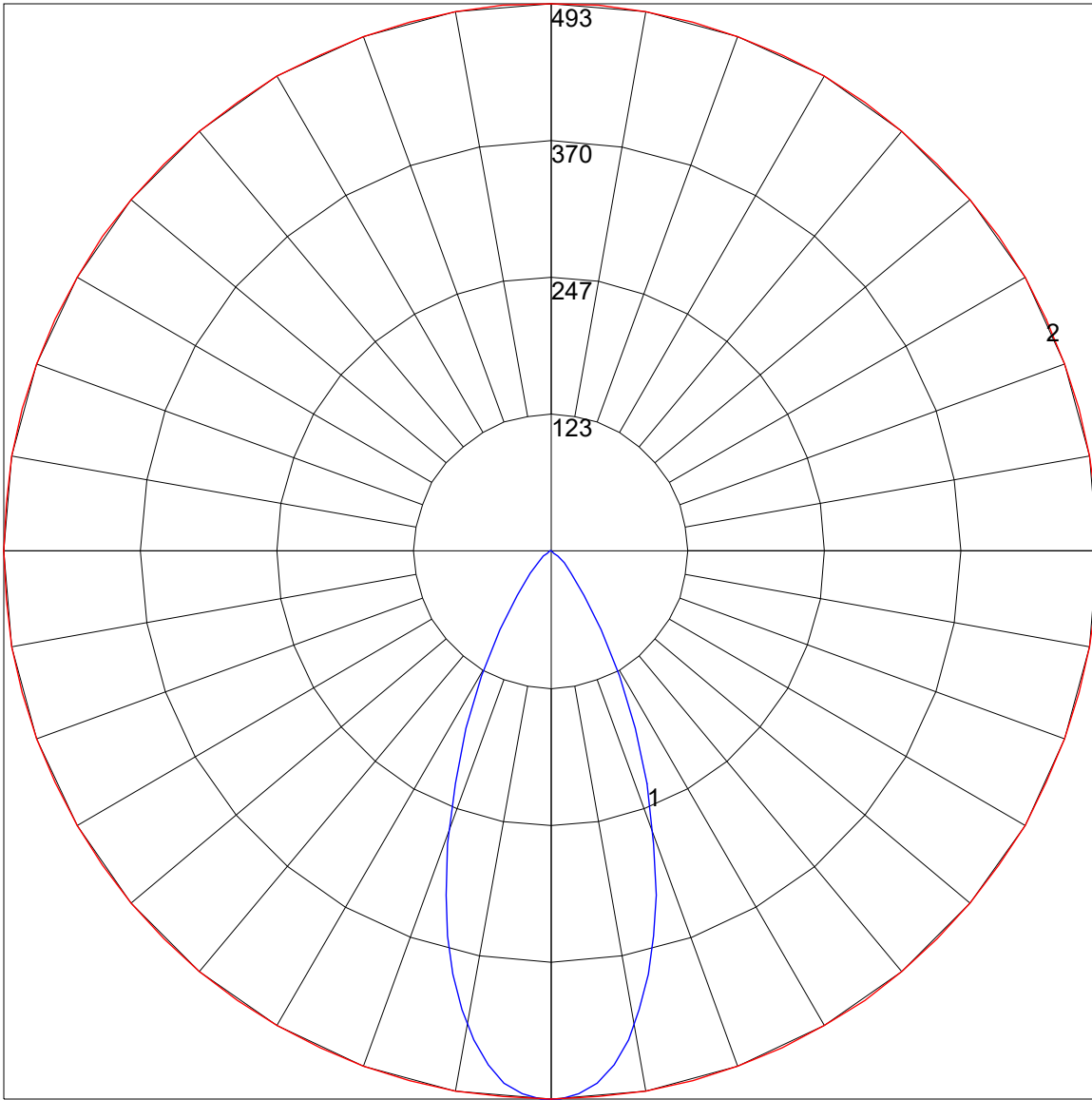
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	108	105	103	109	106	103	101	102	100	98	98	97	95	95	93	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47
9	68	57	50	46	67	56	50	45	55	49	45	54	49	45	54	49	45	43
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

POLAR GRAPH



Maximum Candela = 493.17 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)