

IES Report

ZipTwo® | 707 | 60° Symmetric | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-S2-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	69	71	73	74
Total Lumens, 4' rail length (1219mm)	1024	1056	1077	1088
Lumens per foot (305mm)	256	264	269	272
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_S2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911524 (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-S2-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board, 60° white symmetric 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	1077
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.94
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 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	20825	36444	55646
55	12719	21198	38275
65	9910	14865	27811
75	8613	11484	20096
85	7750	9300	12401

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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>
0.0	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5
1.0	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5
3.0	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5
5.0	725.5	725.5	725.5	725.5	725.5	726.0	726.0	726.0	726.0	726.0
7.0	721.0	721.0	721.0	721.0	721.5	721.5	721.5	722.5	722.5	722.0
9.0	713.0	713.0	713.5	713.5	714.0	714.5	715.0	715.5	716.0	716.5
11.0	702.0	702.0	702.5	703.0	704.0	705.0	706.0	707.0	708.0	708.5
13.0	687.0	687.0	687.5	688.5	690.0	691.5	693.5	695.0	697.0	698.5
15.0	667.0	667.0	668.0	670.0	672.0	674.5	677.5	680.5	683.0	685.5
17.0	641.5	642.5	644.0	646.5	649.5	653.5	657.5	662.0	666.0	670.0
19.5	601.0	602.0	604.5	608.0	613.5	619.0	625.5	632.5	639.0	645.0
22.5	541.0	542.0	546.0	551.5	559.0	568.0	578.0	588.0	598.0	607.5
25.5	470.5	472.0	476.5	484.0	494.0	506.0	519.5	533.5	548.0	561.5
29.0	382.5	384.0	389.5	398.5	410.5	425.0	442.0	460.0	479.0	497.0
33.0	286.5	288.5	294.0	303.0	315.0	331.5	349.5	370.0	392.0	414.0
37.5	198.0	199.5	204.5	212.0	223.0	237.5	254.0	274.5	297.0	319.5
42.5	130.0	131.0	134.5	140.0	148.0	159.0	172.0	188.0	206.5	226.0
47.5	88.0	88.5	91.0	94.5	100.0	107.5	116.5	127.5	140.5	155.5
55.0	54.0	54.0	55.5	57.5	60.5	64.0	69.0	74.5	82.0	90.0
65.0	31.0	31.5	32.0	32.5	34.0	35.5	37.5	40.0	43.0	46.5
75.0	16.5	16.5	16.5	17.0	17.5	18.0	18.5	19.5	20.5	22.0
85.0	5.0	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	6.0
90.0	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>
0.0	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5
1.0	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5	729.5
3.0	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5	728.5
5.0	726.5	726.5	726.5	726.5	726.5	726.5	726.5	726.5	727.0
7.0	723.0	723.0	723.0	723.5	723.5	723.5	723.5	723.5	723.5
9.0	717.0	717.5	718.0	718.0	718.5	718.5	718.5	719.0	718.5
11.0	709.5	710.5	711.0	711.5	711.5	712.0	712.0	712.5	712.5
13.0	700.0	701.0	702.0	703.0	703.5	703.5	704.0	704.0	704.0
15.0	688.0	690.0	691.0	692.5	693.0	693.5	693.5	694.0	694.0
17.0	673.5	676.0	678.5	680.0	681.0	681.5	681.5	682.0	682.0
19.5	650.0	654.5	658.0	660.0	661.5	662.5	663.0	662.5	662.5
22.5	616.0	622.5	628.0	631.5	634.0	635.0	635.5	635.5	635.5
25.5	573.5	583.5	591.0	596.5	600.0	601.5	602.0	602.0	602.0
29.0	514.0	528.0	539.0	547.0	551.5	554.0	555.0	555.5	555.5
33.0	436.0	454.0	469.5	480.0	487.0	491.0	492.5	493.0	493.0
37.5	343.0	364.5	382.5	396.5	406.0	412.0	415.0	416.0	416.0
42.5	247.0	268.0	287.0	302.5	314.5	322.0	327.0	329.5	330.0
47.5	172.0	189.0	205.5	220.0	232.5	241.5	248.0	251.5	252.5
55.0	99.5	110.0	121.0	132.0	142.0	151.0	157.5	161.5	162.5
65.0	50.5	55.5	61.0	66.5	72.5	78.0	82.5	85.5	87.0
75.0	23.5	25.5	27.5	30.0	32.5	34.5	36.5	38.0	38.5
85.0	6.0	6.5	6.5	7.0	7.0	7.5	7.5	8.0	8.0
90.0	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	248.49	N.A.	23.10
0-30	488.79	N.A.	45.40
0-40	691.00	N.A.	64.10
0-60	947.57	N.A.	87.90
0-80	1059.18	N.A.	98.30
0-90	1077.42	N.A.	100.00
10-90	1021.46	N.A.	94.80
20-40	442.51	N.A.	41.10
20-50	614.66	N.A.	57.00
40-70	328.59	N.A.	30.50
60-80	111.61	N.A.	10.40
70-80	39.59	N.A.	3.70
80-90	18.24	N.A.	1.70
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	1077.42	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.96
10-20	192.52
20-30	240.30
30-40	202.21
40-50	172.15
50-60	84.42
60-70	72.01
70-80	39.59
80-90	18.24
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

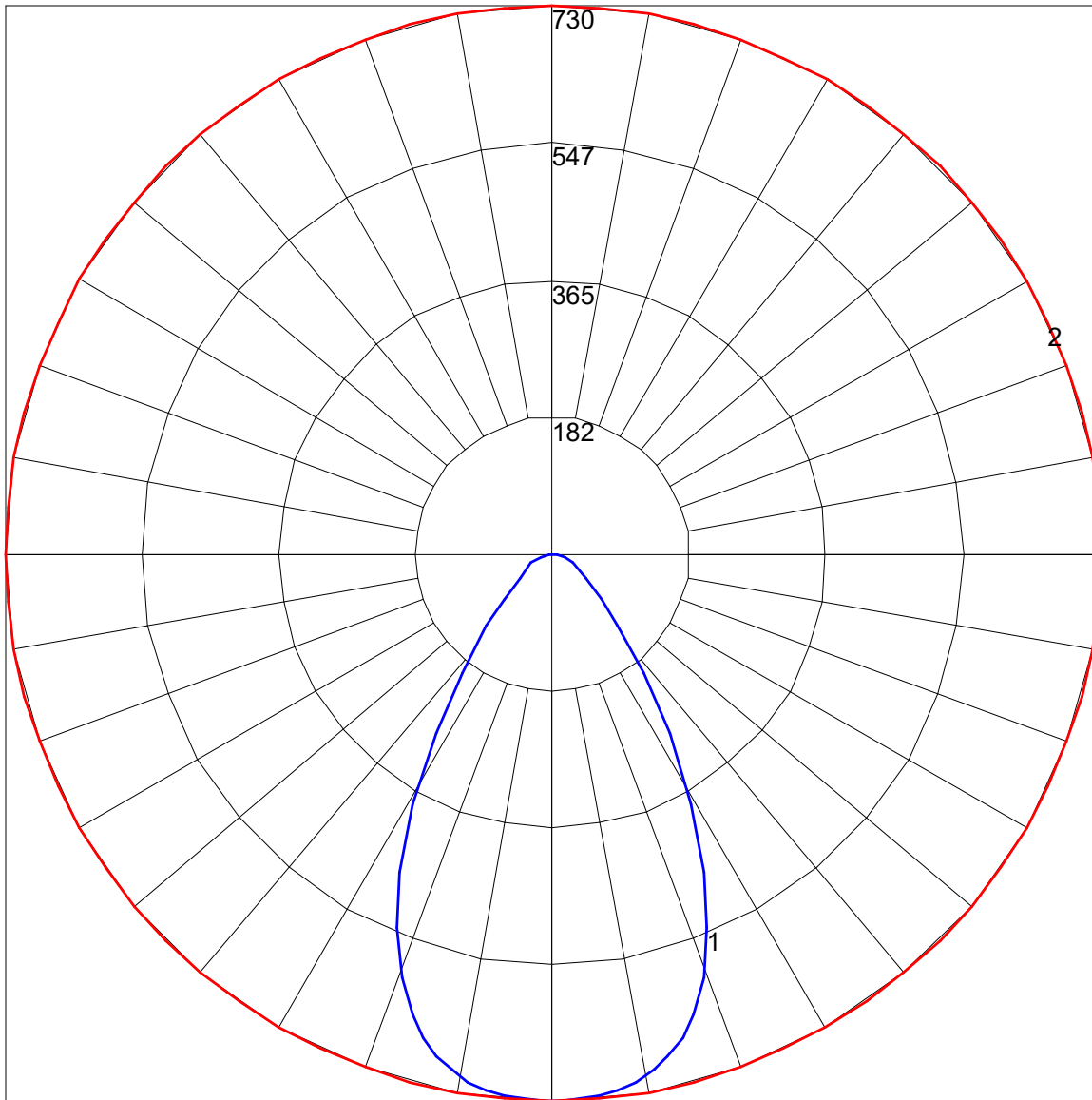
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	103	96	90	85	100	94	89	84	91	86	82	87	84	81	84	81	79	77
3	95	86	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	40	37	35

POLAR GRAPH



Maximum Candela = 729.5 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.)