

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 40° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U1S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	67	69	70	73
Total Lumens, 4' rail length (1219mm)	1979	2041	2083	2103
Lumens per foot (305mm)	495	510	521	526
Lumens per foot UP (305mm)	377	389	397	401
Lumens per foot DOWN (305mm)	117	121	123	125
Input Power (W), 4' rail length (1219mm)	29.8	29.8	29.8	29.8
Watts per foot (305mm)	7.5	7.5	7.5	7.5
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_Z3_CC_LO_359_U1S1-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911548 (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-CC-LO-359-U1S1-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens up/40° symmetric lens down,

[MORE] low output, black anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2083
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	29.78
Ballast Factor	1.00
CIE Type	Semi-Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.26 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	461	948	1886
55	212	435	881
65	116	219	438
75	62	132	256
85	32	36	169

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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	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
1.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
3.0	474.0	474.0	474.0	474.0	474.0	474.5	474.5	474.5	475.0	475.0
5.0	466.0	466.0	466.5	466.5	467.0	467.5	468.0	469.0	469.5	470.5
7.0	452.5	453.0	453.0	454.0	455.0	456.0	457.0	459.0	460.5	462.0
9.0	435.5	435.5	436.0	437.5	439.0	441.0	443.0	445.5	448.5	451.0
11.0	414.5	414.5	415.5	417.5	419.5	422.5	426.0	429.5	433.5	437.5
13.0	389.0	389.5	391.0	393.5	396.5	400.5	405.0	410.0	415.5	421.0
15.0	361.5	362.0	364.0	366.5	371.0	376.0	381.5	388.0	395.0	402.5
17.0	331.5	332.0	334.5	338.0	342.5	349.0	355.5	364.0	372.5	381.5
19.5	291.5	292.5	295.0	299.0	305.0	312.5	320.5	330.5	341.0	352.0
22.5	243.5	244.5	247.5	252.0	259.0	267.0	277.0	288.5	301.0	314.0
25.5	197.5	198.5	201.5	206.5	213.5	222.5	233.5	246.0	259.5	274.0
29.0	149.5	150.5	153.5	158.5	165.5	174.0	185.0	197.5	211.5	227.0
33.0	105.0	105.5	108.5	112.5	118.5	126.5	136.5	148.0	161.5	176.5
37.5	68.5	69.0	71.0	74.0	79.0	85.0	93.0	102.5	114.0	126.5
42.5	42.0	42.5	43.5	46.0	49.0	53.5	59.0	66.0	74.5	83.5
47.5	25.5	26.0	27.0	28.0	30.5	33.5	37.0	41.5	46.5	53.0
55.0	13.0	13.0	13.5	14.0	15.0	16.5	18.5	20.5	23.0	26.0
65.0	5.5	5.5	5.5	6.0	6.5	7.0	7.5	8.5	9.0	10.0
75.0	2.0	2.0	2.0	2.5	2.5	2.5	3.0	3.0	3.5	4.0
85.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95.0	15.0	15.0	15.0	15.0	15.5	15.5	15.5	16.0	16.0	16.0
100.0	34.0	34.0	34.0	34.5	35.0	35.5	36.5	37.5	38.5	39.5
105.0	61.0	61.0	61.5	62.5	63.5	64.5	66.0	67.5	69.0	70.0
110.0	96.0	96.5	97.0	97.5	99.0	100.5	102.0	103.5	105.0	106.5
115.0	137.0	137.5	138.0	138.5	140.0	141.5	143.0	145.0	148.0	152.0
120.0	183.5	183.5	184.5	186.0	188.0	191.0	194.0	198.5	203.5	208.0
125.0	242.5	242.5	244.0	246.0	248.5	252.0	255.5	259.0	263.0	266.5
130.0	307.0	307.0	308.0	310.0	311.5	314.5	317.0	320.0	323.0	326.5
135.0	368.5	368.5	369.5	370.5	372.5	374.5	377.0	379.5	382.5	385.5
140.0	426.0	426.5	427.0	428.0	429.5	431.5	433.5	436.0	438.5	441.0
145.0	478.5	479.0	479.5	480.0	481.5	483.0	484.5	486.5	489.0	491.0
150.0	524.5	524.5	525.0	525.5	526.5	528.0	529.0	530.5	532.5	534.0
155.0	563.0	563.0	563.5	564.0	564.5	565.5	566.5	567.5	569.0	570.5
160.0	594.5	594.5	594.5	595.0	595.5	596.0	596.5	597.5	598.0	599.0
165.0	618.0	618.0	618.0	618.5	618.5	618.5	619.0	619.5	620.0	620.0
170.0	634.0	634.0	634.0	634.0	634.0	634.0	634.5	634.5	634.5	635.0
175.0	643.0	643.0	642.5	643.0	643.0	643.0	643.0	643.0	643.0	643.0
180.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0

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	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
1.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
3.0	475.5	475.5	476.0	476.0	476.0	476.5	476.5	476.5	476.5
5.0	471.0	472.0	472.5	473.0	473.5	474.0	474.5	474.5	474.5
7.0	463.5	465.0	466.5	468.0	469.0	470.0	470.5	471.0	471.5
9.0	454.0	456.5	459.0	461.0	463.5	465.0	466.0	466.5	467.0
11.0	441.5	445.5	449.5	453.0	455.5	458.0	460.0	461.0	461.5
13.0	426.5	432.0	437.5	442.0	446.5	449.5	452.0	453.5	454.0
15.0	409.5	417.0	423.5	430.0	435.0	439.5	443.0	444.5	445.5

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CANDELA TABULATION - (Cont.)

17.0	390.5	399.5	408.0	415.5	422.0	427.5	431.5	434.0	435.0
19.5	363.5	374.5	384.5	394.5	403.0	409.5	415.0	418.0	419.0
22.5	327.5	341.0	353.5	366.0	376.0	384.5	391.0	395.0	396.0
25.5	289.5	304.5	319.5	333.5	345.0	355.5	362.5	367.0	368.5
29.0	243.5	260.5	276.5	292.0	305.0	316.0	324.5	329.5	331.0
33.0	192.5	209.0	226.0	241.0	254.5	266.0	274.5	279.5	281.5
37.5	140.5	155.5	170.0	184.0	196.5	206.5	214.5	219.0	220.5
42.5	94.5	105.5	116.5	127.5	137.0	145.5	151.0	154.5	156.0
47.5	60.0	67.5	75.0	82.5	89.0	94.5	98.5	101.0	102.0
55.0	29.5	33.0	36.5	39.5	42.5	45.5	47.5	48.5	49.0
65.0	11.5	12.5	13.5	14.5	16.0	16.5	17.5	18.0	18.0
75.0	4.0	4.5	5.0	5.5	5.5	6.0	6.5	6.5	6.5
85.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
90.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0
95.0	16.5	16.5	16.5	17.0	17.0	17.0	17.0	17.5	17.5
100.0	40.5	41.5	42.0	42.0	42.0	43.5	44.0	44.0	44.0
105.0	71.5	72.0	72.5	75.0	77.0	78.0	78.5	78.5	78.5
110.0	108.0	111.0	114.5	117.5	119.0	120.0	120.5	120.5	120.5
115.0	156.5	160.5	163.5	166.0	167.5	168.5	169.5	170.0	170.0
120.0	211.5	215.0	218.0	220.0	222.0	223.5	225.0	225.5	225.5
125.0	270.0	273.0	276.0	279.0	281.5	283.5	285.0	285.5	286.0
130.0	329.5	333.0	336.5	339.5	342.0	344.0	346.0	346.5	347.0
135.0	388.5	392.0	395.0	398.5	401.0	403.0	404.5	405.5	406.0
140.0	444.0	447.0	450.0	452.5	455.0	456.5	458.0	459.0	459.0
145.0	493.5	496.0	498.5	500.5	502.5	504.0	505.0	505.5	505.5
150.0	536.0	538.0	539.5	541.5	542.5	543.5	544.0	544.5	544.5
155.0	571.5	572.5	574.0	575.0	575.5	576.0	576.5	577.0	577.0
160.0	599.5	600.5	601.0	601.5	602.0	602.5	602.5	602.5	602.5
165.0	620.5	621.0	621.0	621.5	621.5	622.0	622.0	622.0	622.0
170.0	635.0	635.0	635.0	635.0	635.5	635.5	635.5	635.5	635.5
175.0	643.0	643.0	643.0	643.0	643.0	643.0	643.0	643.0	643.5
180.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0	645.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	149.65	N.A.	7.20
0-30	274.05	N.A.	13.20
0-40	367.04	N.A.	17.60
0-60	464.13	N.A.	22.30
0-80	490.58	N.A.	23.60
0-90	493.57	N.A.	23.70
10-90	457.61	N.A.	22.00
20-40	217.39	N.A.	10.40
20-50	286.56	N.A.	13.80
40-70	115.82	N.A.	5.60
60-80	26.45	N.A.	1.30
70-80	7.72	N.A.	0.40
80-90	2.99	N.A.	0.10
90-110	95.31	N.A.	4.60
90-120	248.77	N.A.	11.90
90-130	486.35	N.A.	23.40
90-150	1090.73	N.A.	52.40
90-180	1589.09	N.A.	76.30
110-180	1493.78	N.A.	71.70
0-180	2082.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	35.95
10-20	113.69
20-30	124.40
30-40	92.99
40-50	69.17
50-60	27.92
60-70	18.73
70-80	7.72
80-90	2.99
90-100	19.61
100-110	75.70
110-120	153.46
120-130	237.58
130-140	297.49
140-150	306.90
150-160	262.37
160-170	174.88
170-180	61.11

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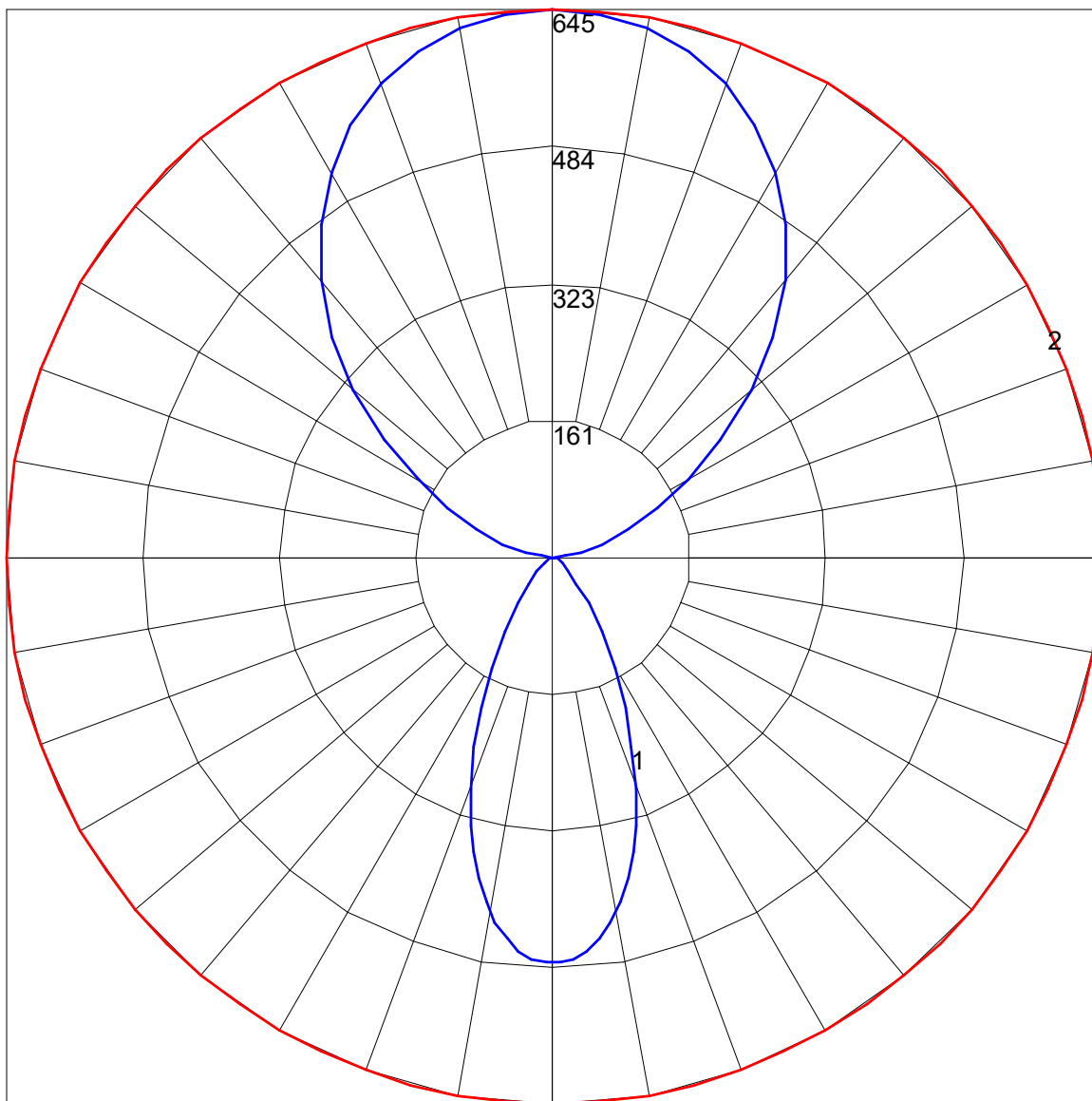
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U1S1-BL.IES

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	101	101	101	101	90	90	90	90	69	69	69	50	50	50	32	32	32	24
1	93	89	85	82	82	79	76	74	61	59	58	45	44	43	29	29	28	21
2	85	78	73	68	76	70	66	62	55	52	49	40	38	37	27	26	25	19
3	78	70	63	58	69	62	57	53	49	45	42	36	34	32	25	23	22	17
4	72	62	55	50	64	56	50	45	44	40	37	33	30	28	23	21	20	16
5	66	56	49	43	59	50	44	40	40	36	32	30	27	25	21	19	18	15
6	61	50	43	38	55	45	39	35	36	32	29	27	25	23	19	18	17	13
7	57	46	38	33	51	41	35	31	33	29	25	25	22	20	18	16	15	12
8	53	42	35	30	47	38	32	27	30	26	23	23	20	18	17	15	14	11
9	49	38	31	27	44	35	29	25	28	24	21	22	19	17	16	14	13	11
10	46	35	28	24	41	32	26	22	26	22	19	20	17	15	15	13	12	10

POLAR GRAPH



Maximum Candela = 645 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.)