

## IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	72	74	76	79
Total Lumens, 4' rail length (1219mm)	2132	2199	2244	2267
Lumens per foot (305mm)	533	550	561	567
Lumens per foot UP (305mm)	407	420	429	433
Lumens per foot DOWN (305mm)	126	130	132	134
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](http://vode.com).



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_359\_U2S1\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911554 (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-U2S1-BL

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

[MORE] symmetric lens down, 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	2244
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
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	471	1004	2201
55	220	469	1070
65	116	252	523
75	78	132	296
85	32	72	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>
<b>0.0</b>	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5
<b>1.0</b>	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
<b>3.0</b>	498.0	498.0	498.0	498.5	498.5	498.5	499.0	499.0	499.0	499.5
<b>5.0</b>	489.0	489.0	489.5	490.0	490.0	491.0	491.5	492.0	493.0	494.0
<b>7.0</b>	476.0	476.0	476.5	477.5	478.0	479.5	481.0	482.5	484.0	485.5
<b>9.0</b>	457.5	457.5	458.5	459.5	461.0	463.0	465.5	468.0	471.0	474.0
<b>11.0</b>	435.0	435.5	436.5	438.0	440.5	443.5	447.0	451.0	455.0	459.5
<b>13.0</b>	409.0	409.5	411.0	413.0	416.5	420.5	425.5	430.5	436.5	442.5
<b>15.0</b>	379.0	380.0	381.5	385.0	389.0	394.5	400.5	407.5	415.0	422.5
<b>17.0</b>	347.5	348.0	350.5	354.5	359.5	366.0	373.5	382.0	391.0	400.0
<b>19.5</b>	305.0	306.0	308.5	313.5	319.5	327.5	336.5	346.5	358.0	369.5
<b>22.5</b>	254.0	255.0	258.5	263.5	270.5	279.5	290.0	302.5	316.0	330.0
<b>25.5</b>	205.0	206.5	209.5	215.0	222.5	232.0	243.5	257.0	272.0	287.5
<b>29.0</b>	155.0	156.0	159.0	164.5	171.5	181.0	192.5	206.0	221.5	238.5
<b>33.0</b>	108.5	109.0	112.0	116.5	123.0	131.5	142.0	154.5	169.0	185.0
<b>37.5</b>	70.0	71.0	73.0	76.5	81.5	88.0	96.5	107.0	119.0	133.0
<b>42.5</b>	42.5	43.0	44.5	47.0	50.5	55.0	61.0	68.5	77.5	88.0
<b>47.5</b>	26.5	26.5	27.5	29.0	31.5	34.5	38.5	43.5	49.5	56.5
<b>55.0</b>	13.5	13.5	14.0	14.5	16.0	17.5	19.0	21.5	25.0	28.0
<b>65.0</b>	5.5	6.0	6.0	6.5	6.5	7.5	8.0	9.0	10.0	11.5
<b>75.0</b>	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.5	4.0	4.0
<b>85.0</b>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
<b>90.0</b>	10.5	10.5	10.0	10.0	9.5	9.0	8.5	8.0	7.0	6.5
<b>95.0</b>	24.0	24.0	23.5	23.5	23.5	23.0	22.5	22.0	21.5	21.0
<b>100.0</b>	44.0	44.0	44.0	44.5	45.0	45.5	46.0	47.0	48.0	48.5
<b>105.0</b>	76.0	76.5	77.0	77.5	78.0	79.0	80.5	81.5	82.5	83.5
<b>110.0</b>	116.0	116.0	116.5	117.5	118.5	119.5	121.0	122.5	124.0	125.5
<b>115.0</b>	163.0	163.5	164.0	165.0	166.0	168.0	170.0	172.0	175.0	178.0
<b>120.0</b>	219.5	220.0	220.5	222.0	224.0	226.0	228.5	231.5	234.0	236.5
<b>125.0</b>	284.5	284.5	285.5	286.5	288.5	290.0	292.5	294.5	296.5	299.0
<b>130.0</b>	350.0	350.0	350.5	351.5	352.5	354.0	355.5	357.5	359.0	361.0
<b>135.0</b>	411.0	411.5	411.5	412.5	413.0	414.5	415.5	417.0	418.5	420.0
<b>140.0</b>	466.0	466.0	466.5	467.0	467.5	468.5	469.5	470.5	471.5	472.5
<b>145.0</b>	513.0	513.5	513.5	514.0	514.5	515.0	515.5	516.5	517.5	518.0
<b>150.0</b>	553.0	553.0	553.0	553.5	554.0	554.0	554.5	555.0	556.0	556.5
<b>155.0</b>	585.5	585.5	585.5	585.5	586.0	586.0	586.5	586.5	587.5	587.5
<b>160.0</b>	611.0	611.0	611.0	611.0	611.0	611.5	611.5	612.0	612.0	612.5
<b>165.0</b>	630.0	630.0	630.0	630.5	630.5	630.5	630.5	630.5	630.5	631.0
<b>170.0</b>	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5	643.5
<b>175.0</b>	651.0	651.0	651.0	651.0	651.0	651.0	651.0	651.0	651.0	651.0
<b>180.0</b>	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0

**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>
<b>0.0</b>	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5
<b>1.0</b>	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0	501.0
<b>3.0</b>	499.5	500.0	500.0	500.5	500.5	500.5	500.5	501.0	500.5
<b>5.0</b>	494.5	495.5	496.0	497.0	497.5	498.0	498.0	498.5	498.5
<b>7.0</b>	487.0	489.0	490.5	492.0	493.0	494.0	495.0	495.0	495.5
<b>9.0</b>	476.5	479.5	482.0	484.5	486.5	488.5	489.5	490.5	490.5
<b>11.0</b>	464.0	468.0	472.0	475.5	478.5	481.5	483.0	484.5	484.5
<b>13.0</b>	448.5	454.0	459.5	464.5	469.0	472.5	475.0	476.5	477.5
<b>15.0</b>	430.0	438.0	445.0	451.5	457.0	462.0	465.5	467.5	468.0

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	410.0	419.5	428.5	437.0	444.0	449.5	454.0	457.0	457.5
<b>19.5</b>	381.5	393.5	405.0	415.0	424.0	432.0	437.5	440.5	442.0
<b>22.5</b>	344.5	359.0	373.0	386.0	397.5	407.0	414.0	418.0	419.5
<b>25.5</b>	304.5	321.5	337.5	353.0	366.0	377.0	385.5	390.5	392.0
<b>29.0</b>	256.5	275.0	293.0	310.5	325.5	338.0	347.5	353.5	355.5
<b>33.0</b>	203.5	222.0	240.5	259.0	274.5	288.0	298.0	304.5	306.5
<b>37.5</b>	149.5	166.5	183.5	200.5	215.5	228.5	238.0	244.5	246.5
<b>42.5</b>	100.5	113.5	127.5	141.5	153.5	164.5	172.5	177.5	179.5
<b>47.5</b>	65.0	74.5	84.0	94.0	102.5	110.5	116.5	120.0	121.5
<b>55.0</b>	32.5	37.0	41.5	46.0	50.5	54.5	57.0	59.0	59.5
<b>65.0</b>	12.5	14.5	16.0	17.5	18.5	20.0	21.0	21.5	21.5
<b>75.0</b>	4.5	5.0	5.5	6.0	6.5	7.0	7.5	7.5	7.5
<b>85.0</b>	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
<b>90.0</b>	5.5	5.0	4.0	3.5	2.5	2.0	1.5	1.0	1.0
<b>95.0</b>	20.5	20.0	20.0	20.0	19.5	19.0	19.0	19.0	18.5
<b>100.0</b>	49.0	49.0	49.0	49.0	49.0	49.5	49.0	49.0	49.0
<b>105.0</b>	84.0	84.5	85.5	87.0	87.5	87.5	87.5	87.5	87.5
<b>110.0</b>	127.5	130.0	131.5	133.0	133.5	134.0	134.0	134.0	134.0
<b>115.0</b>	180.5	182.5	184.0	185.0	186.0	187.0	187.5	187.5	187.5
<b>120.0</b>	239.0	241.0	242.5	244.0	245.5	246.5	247.0	247.5	247.5
<b>125.0</b>	301.0	302.5	304.5	306.0	307.0	308.0	309.0	309.5	309.5
<b>130.0</b>	363.0	364.5	366.0	367.5	369.0	370.0	370.5	371.0	371.5
<b>135.0</b>	421.5	422.5	424.0	425.5	426.5	427.0	428.0	428.0	428.5
<b>140.0</b>	473.5	475.0	476.0	477.0	478.0	478.5	479.0	479.0	479.0
<b>145.0</b>	519.0	519.5	520.5	521.0	522.0	522.5	522.5	523.0	523.0
<b>150.0</b>	557.0	557.5	558.0	558.5	559.0	559.0	559.5	559.5	559.5
<b>155.0</b>	588.0	588.5	588.5	589.0	589.0	589.5	589.5	589.5	589.5
<b>160.0</b>	612.5	612.5	613.0	613.0	613.0	613.5	613.5	613.5	613.5
<b>165.0</b>	631.0	631.0	631.0	631.0	631.5	631.5	631.5	631.5	631.5
<b>170.0</b>	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0	644.0
<b>175.0</b>	651.0	651.0	651.0	651.0	651.0	651.0	651.0	651.0	651.0
<b>180.0</b>	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	157.20	N.A.	7.00
0-30	288.14	N.A.	12.80
0-40	387.04	N.A.	17.20
0-60	493.77	N.A.	22.00
0-80	523.90	N.A.	23.30
0-90	528.73	N.A.	23.60
10-90	490.95	N.A.	21.90
20-40	229.85	N.A.	10.20
20-50	305.21	N.A.	13.60
40-70	128.05	N.A.	5.70
60-80	30.13	N.A.	1.30
70-80	8.81	N.A.	0.40
80-90	4.83	N.A.	0.20
90-110	115.40	N.A.	5.10
90-120	291.95	N.A.	13.00
90-130	558.34	N.A.	24.90
90-150	1204.84	N.A.	53.70
90-180	1715.38	N.A.	76.40
110-180	1599.98	N.A.	71.30
0-180	2244.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	37.78
10-20	119.42
20-30	130.94
30-40	98.90
40-50	75.36
50-60	31.36
60-70	21.33
70-80	8.81
80-90	4.83
90-100	26.12
100-110	89.28
110-120	176.55
120-130	266.38
130-140	322.98
140-150	323.52
150-160	270.59
160-170	178.05
170-180	61.91

# IES INDOOR REPORT

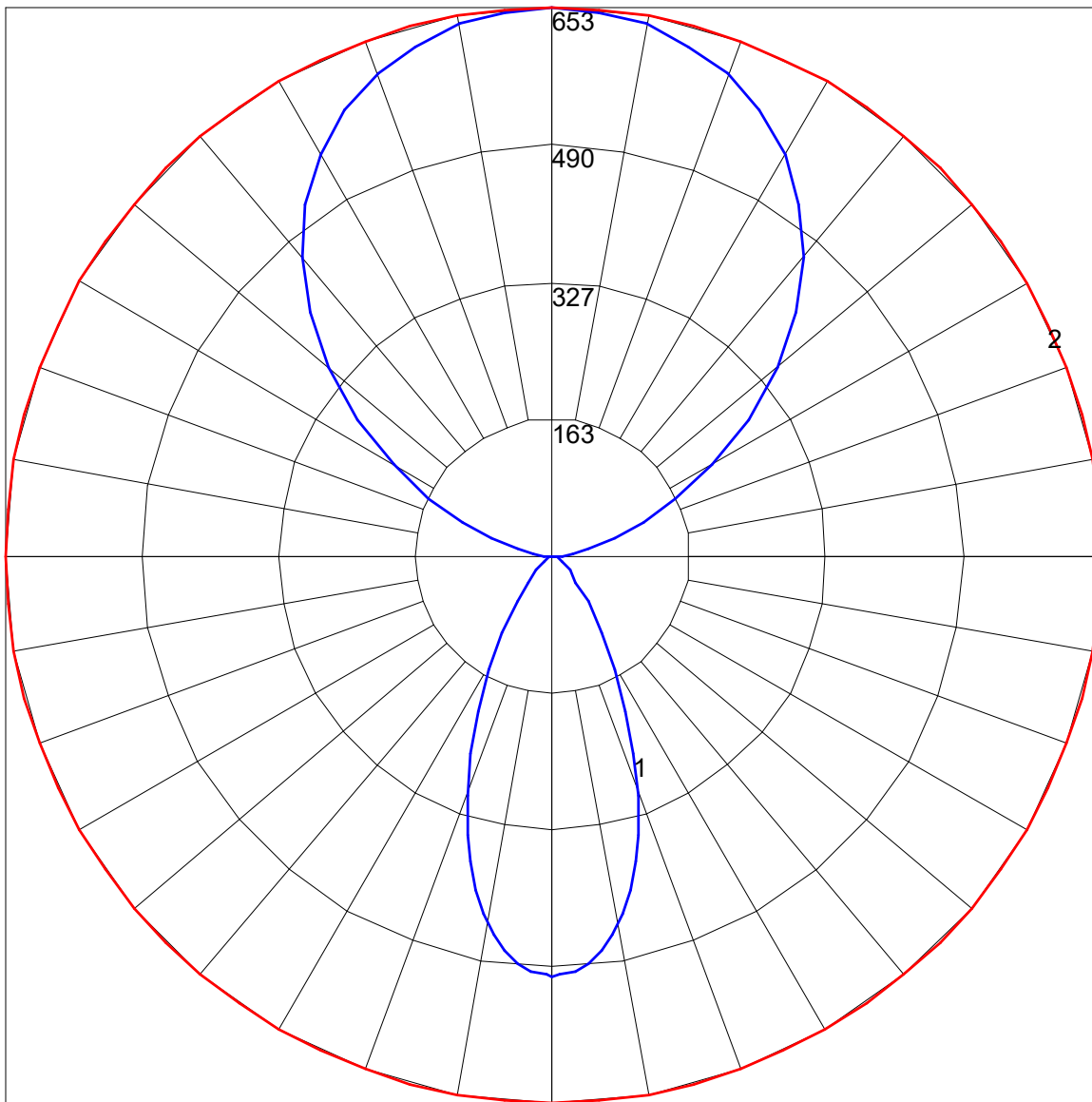
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	49	49	49	32	32	32	24
1	93	89	85	82	82	79	76	74	61	59	58	44	43	42	29	29	28	21
2	85	78	73	68	75	70	66	62	54	51	49	40	38	37	27	26	25	19
3	78	70	63	58	69	62	57	52	49	45	42	36	34	32	24	23	22	17
4	72	62	55	50	64	56	50	45	44	40	37	33	30	28	22	21	20	16
5	66	56	48	43	59	50	44	39	40	35	32	30	27	25	21	19	18	14
6	61	50	43	38	54	45	39	35	36	32	28	27	24	22	19	18	16	13
7	57	45	38	33	50	41	35	31	33	28	25	25	22	20	18	16	15	12
8	53	41	34	30	47	38	31	27	30	26	23	23	20	18	17	15	14	11
9	49	38	31	26	44	34	29	24	28	23	20	21	19	17	15	14	13	10
10	46	35	28	24	41	32	26	22	26	21	19	20	17	15	14	13	12	10

POLAR GRAPH



Maximum Candela = 653 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.)