

## 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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	75	78	79	82
Total Lumens, 4' rail length (1219mm)	2300	2373	2421	2470
Lumens per foot (305mm)	575	593	605	617
Lumens per foot UP (305mm)	380	392	400	408
Lumens per foot DOWN (305mm)	195	201	205	209
Input Power (W), 4' rail length (1219mm)	30.8	30.8	30.8	30.8
Watts per foot (305mm)	7.8	7.8	7.8	7.8
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](http://vode.com).



## IES INDOOR REPORT

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

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805802R01 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB

[ISSUEDATE] 4/12/2018

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z3-CC-Z-LO-359-U2S1-AL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,

[MORE] symmetric lens with edgeglow up/40° symmetric lens down, 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	2421
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	30.81
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)	0.25 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	1118	1954	4087
55	769	1241	2769
65	611	883	1834
75	482	631	1250
85	227	294	645

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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>	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
<b>1.0</b>	589.5	589.5	589.5	589.5	590.0	590.0	590.0	590.0	590.0	590.0
<b>3.0</b>	585.5	585.5	585.5	586.0	586.0	586.5	586.5	587.0	587.0	587.5
<b>5.0</b>	577.0	577.0	577.5	578.0	578.5	579.0	579.5	580.5	581.5	582.5
<b>7.0</b>	564.0	564.5	565.0	565.5	566.5	568.0	569.5	571.0	573.0	574.5
<b>9.0</b>	547.0	547.5	548.0	549.5	551.0	553.0	555.5	558.5	561.5	564.5
<b>11.0</b>	526.0	526.5	527.5	529.5	532.0	535.0	538.5	542.5	547.0	551.0
<b>13.0</b>	500.5	501.0	502.5	505.5	509.0	513.0	518.0	523.5	529.5	535.5
<b>15.0</b>	472.0	472.5	474.5	478.0	482.5	488.0	494.5	502.0	509.5	517.5
<b>17.0</b>	440.0	441.0	443.5	447.5	453.0	460.0	468.0	477.0	486.5	496.5
<b>19.5</b>	397.0	398.0	401.0	406.0	413.0	421.5	431.5	443.0	455.0	467.5
<b>22.5</b>	343.5	344.5	348.0	354.0	362.0	372.0	384.0	397.5	412.5	428.0
<b>25.5</b>	290.0	291.5	295.0	301.5	310.5	321.5	334.5	350.5	367.5	385.5
<b>29.0</b>	232.5	233.5	237.5	244.0	253.0	264.5	278.5	295.0	313.5	333.5
<b>33.0</b>	176.5	178.0	181.5	187.0	195.5	206.0	219.5	235.5	254.0	274.5
<b>37.5</b>	128.5	129.5	132.0	137.0	144.0	153.0	164.0	178.0	195.0	213.5
<b>42.5</b>	91.0	92.0	94.0	97.5	102.5	109.0	117.5	128.5	142.0	157.0
<b>47.5</b>	67.0	67.5	69.0	71.5	75.0	79.5	85.5	93.0	102.5	114.0
<b>55.0</b>	45.5	46.0	46.5	48.0	49.5	52.5	55.5	59.5	65.0	71.5
<b>65.0</b>	28.0	28.5	28.5	29.0	30.0	31.0	32.5	34.0	36.5	39.0
<b>75.0</b>	15.0	15.0	15.0	15.0	15.5	16.0	16.5	17.0	17.5	18.5
<b>85.0</b>	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
<b>90.0</b>	7.5	7.5	7.5	7.0	6.5	6.5	6.0	5.5	5.0	4.5
<b>95.0</b>	21.0	21.0	21.0	20.5	20.5	20.0	20.0	19.5	19.0	18.5
<b>100.0</b>	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
<b>105.0</b>	71.0	71.0	71.5	71.5	72.0	72.5	73.0	73.5	74.0	74.5
<b>110.0</b>	106.5	106.5	107.0	107.5	108.5	109.0	110.0	111.5	112.5	114.0
<b>115.0</b>	150.0	150.0	150.5	151.5	152.5	153.5	155.0	157.0	158.5	160.5
<b>120.0</b>	200.5	201.0	201.5	202.5	203.5	205.0	207.0	209.0	211.5	213.5
<b>125.0</b>	257.5	257.5	258.5	259.0	260.5	262.5	264.5	267.0	269.5	272.0
<b>130.0</b>	318.0	318.0	318.5	319.5	321.0	323.0	325.0	327.5	330.0	332.5
<b>135.0</b>	378.0	378.0	379.0	380.0	381.0	383.0	384.5	386.5	389.0	391.0
<b>140.0</b>	434.5	435.0	435.5	436.0	437.0	438.5	439.5	441.0	442.5	444.0
<b>145.0</b>	484.5	484.5	484.5	485.0	486.0	486.5	487.5	488.5	489.5	490.0
<b>150.0</b>	525.5	525.5	525.5	526.0	526.0	526.5	527.0	527.5	527.5	528.0
<b>155.0</b>	558.0	558.0	558.0	558.0	558.0	558.5	558.5	559.0	559.0	559.5
<b>160.0</b>	583.5	583.5	583.5	583.5	583.5	584.0	584.0	584.0	584.5	584.5
<b>165.0</b>	602.5	602.5	602.5	603.0	603.0	603.0	603.0	603.0	603.0	603.0
<b>170.0</b>	616.5	616.5	616.5	616.5	616.5	616.5	616.5	616.5	616.5	617.0
<b>175.0</b>	625.0	625.0	625.0	625.0	625.0	625.0	625.0	625.0	625.0	625.0
<b>180.0</b>	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0

**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>
<b>0.0</b>	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
<b>1.0</b>	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0	590.0
<b>3.0</b>	588.0	588.0	588.5	588.5	589.0	589.0	589.0	589.5	589.5
<b>5.0</b>	583.5	584.0	585.0	585.5	586.5	587.0	587.5	587.5	587.5
<b>7.0</b>	576.5	578.0	580.0	581.5	582.5	583.5	584.5	585.0	585.0
<b>9.0</b>	567.5	570.0	573.0	575.5	577.5	579.0	580.5	581.0	581.5
<b>11.0</b>	555.5	560.0	564.0	568.0	571.0	573.5	575.5	576.5	576.5
<b>13.0</b>	542.0	547.5	553.5	558.5	562.5	566.0	569.0	570.5	571.0
<b>15.0</b>	525.5	533.5	540.5	547.5	553.0	557.5	561.0	563.0	564.0

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	507.0	516.5	526.0	534.5	541.5	547.5	552.0	554.5	555.5
<b>19.5</b>	480.5	493.0	504.5	516.0	525.0	532.5	538.0	541.5	543.0
<b>22.5</b>	444.5	460.5	475.5	489.5	501.5	511.0	518.5	523.0	524.5
<b>25.5</b>	405.0	424.0	442.0	459.0	473.5	486.0	495.0	500.0	502.0
<b>29.0</b>	355.0	377.0	398.5	419.0	436.5	451.0	462.0	468.5	470.5
<b>33.0</b>	297.0	321.5	345.0	368.0	388.0	405.0	417.5	425.5	428.0
<b>37.5</b>	235.5	258.5	282.5	306.5	327.5	346.5	360.5	369.0	372.0
<b>42.5</b>	175.5	195.5	216.5	239.0	259.5	278.0	291.5	300.5	303.0
<b>47.5</b>	128.0	143.5	160.5	178.5	196.0	212.0	224.0	231.5	234.5
<b>55.0</b>	79.5	89.0	99.0	110.5	121.5	132.0	140.5	145.5	148.0
<b>65.0</b>	42.5	46.5	51.0	56.0	60.5	65.5	69.5	72.0	72.5
<b>75.0</b>	20.0	21.0	23.0	24.5	26.0	28.0	29.0	30.0	30.5
<b>85.0</b>	4.5	4.5	4.5	5.0	5.0	5.0	5.0	5.5	5.5
<b>90.0</b>	3.5	3.0	2.5	2.0	1.5	1.5	1.0	0.5	0.5
<b>95.0</b>	18.0	17.5	17.0	16.5	16.0	15.5	15.5	15.0	15.0
<b>100.0</b>	43.0	43.0	43.0	43.0	42.5	42.5	42.5	42.0	42.0
<b>105.0</b>	75.5	76.0	76.5	77.0	77.0	77.5	77.5	77.5	77.5
<b>110.0</b>	115.0	116.5	117.5	118.5	119.5	120.0	120.0	120.0	120.5
<b>115.0</b>	162.5	164.0	166.0	167.5	168.5	169.5	170.0	170.0	170.0
<b>120.0</b>	216.0	218.5	220.5	222.5	224.0	225.0	225.5	226.5	226.5
<b>125.0</b>	274.5	277.0	279.5	281.5	283.0	284.0	285.0	286.0	286.0
<b>130.0</b>	335.0	337.5	339.5	341.0	342.5	343.5	344.5	345.0	345.5
<b>135.0</b>	393.0	395.0	396.5	397.5	399.0	400.0	400.5	401.5	401.5
<b>140.0</b>	445.5	446.5	447.5	449.0	449.5	450.5	451.0	451.5	451.5
<b>145.0</b>	491.0	491.5	492.5	493.0	493.5	494.0	494.5	495.0	495.5
<b>150.0</b>	528.5	529.5	530.0	530.5	530.5	531.0	531.5	532.0	532.0
<b>155.0</b>	560.0	560.5	560.5	561.0	561.0	561.5	562.0	562.0	562.0
<b>160.0</b>	584.5	585.0	585.0	585.5	585.5	586.0	586.0	586.0	586.0
<b>165.0</b>	603.5	603.5	603.5	604.0	604.0	604.5	604.5	604.5	604.5
<b>170.0</b>	617.0	617.0	617.0	617.0	617.5	617.5	617.5	617.5	617.5
<b>175.0</b>	625.0	625.0	625.0	625.0	625.0	625.5	625.5	625.5	625.5
<b>180.0</b>	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0	628.0

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	190.78	N.A.	7.90
0-30	363.30	N.A.	15.00
0-40	508.88	N.A.	21.00
0-60	710.36	N.A.	29.30
0-80	804.78	N.A.	33.20
0-90	820.59	N.A.	33.90
10-90	775.93	N.A.	32.00
20-40	318.10	N.A.	13.10
20-50	450.32	N.A.	18.60
40-70	262.37	N.A.	10.80
60-80	94.42	N.A.	3.90
70-80	33.53	N.A.	1.40
80-90	15.81	N.A.	0.70
90-110	103.39	N.A.	4.30
90-120	263.74	N.A.	10.90
90-130	507.25	N.A.	20.90
90-150	1113.23	N.A.	46.00
90-180	1600.67	N.A.	66.10
110-180	1497.28	N.A.	61.80
0-180	2421.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	44.66
10-20	146.11
20-30	172.52
30-40	145.58
40-50	132.21
50-60	69.27
60-70	60.89
70-80	33.53
80-90	15.81
90-100	22.76
100-110	80.63
110-120	160.35
120-130	243.52
130-140	300.31
140-150	305.67
150-160	257.73
160-170	170.30
170-180	59.41

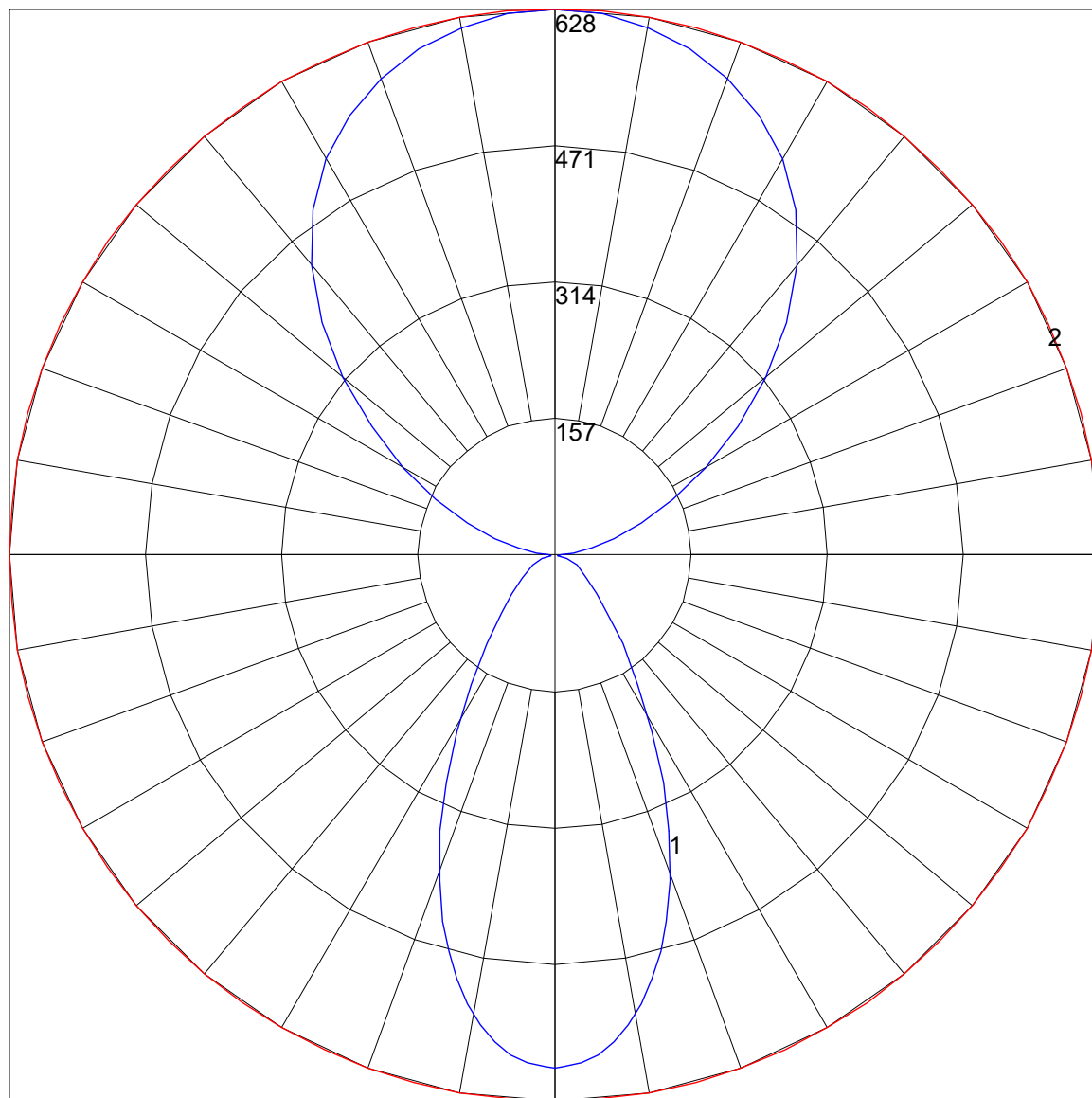
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	48	37	36	36	30
2	87	80	74	69	78	72	68	64	58	55	52	46	43	41	34	32	31	26
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23
4	73	63	56	50	66	57	51	46	47	42	39	37	34	31	28	26	24	20
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 628 Located At Horizontal Angle = 0, Vertical Angle = 180

# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)