

**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	64	65	67	70
Total Lumens, 4' rail length (1219mm)	1941	2002	2043	2084
Lumens per foot (305mm)	485	501	511	521
Lumens per foot UP (305mm)	359	371	378	386
Lumens per foot DOWN (305mm)	126	130	133	135
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\_BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L031805808R01 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED FROM NVLAP ACCREDITED LAB  
[ISSUEDATE] 4/12/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-CC-Z-LO-359-U2S1-BL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/40° 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	2043
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
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	435	1081	2494
55	169	425	1225
65	87	204	582
75	64	119	328
85	32	73	176

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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>	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
<b>1.0</b>	476.0	476.0	476.0	476.0	476.0	476.0	476.0	476.0	476.0	476.0
<b>3.0</b>	470.5	471.0	471.0	471.0	471.0	471.5	472.0	472.5	472.5	473.0
<b>5.0</b>	460.5	460.5	461.0	461.5	462.0	463.0	464.0	465.0	466.0	467.0
<b>7.0</b>	446.5	446.5	447.0	448.0	449.0	450.5	452.5	454.0	456.0	458.0
<b>9.0</b>	428.5	428.5	429.5	431.0	432.5	435.0	437.5	440.5	443.5	447.0
<b>11.0</b>	408.5	408.5	409.5	411.5	414.0	417.0	420.0	424.5	429.0	433.5
<b>13.0</b>	386.0	386.5	388.0	390.5	393.0	397.0	401.5	406.0	411.5	417.5
<b>15.0</b>	363.0	363.5	365.5	368.0	371.5	376.0	381.0	387.0	393.5	400.5
<b>17.0</b>	339.0	339.5	341.5	344.5	348.5	353.5	359.5	366.5	374.0	382.5
<b>19.5</b>	307.5	308.5	310.5	314.0	318.5	324.5	331.5	339.5	348.5	358.0
<b>22.5</b>	267.0	268.0	270.5	275.0	280.5	288.0	296.0	305.5	316.0	327.0
<b>25.5</b>	224.0	225.0	228.0	233.0	240.0	248.5	258.0	269.0	281.5	293.5
<b>29.0</b>	172.5	173.5	177.0	182.5	190.0	200.0	211.0	224.5	238.5	253.0
<b>33.0</b>	119.0	120.0	123.5	128.5	136.0	146.0	157.5	171.5	186.5	203.0
<b>37.5</b>	72.0	73.0	75.5	80.0	86.0	94.0	104.0	116.5	131.5	148.0
<b>42.5</b>	39.5	40.0	41.5	44.0	48.0	53.5	60.5	70.0	81.0	94.0
<b>47.5</b>	22.0	22.0	23.0	24.5	26.5	30.0	34.0	40.0	47.0	56.0
<b>55.0</b>	10.0	10.0	10.5	11.0	12.0	13.5	15.0	17.5	20.5	24.5
<b>65.0</b>	4.0	4.5	4.5	4.5	5.0	5.5	6.0	6.5	7.5	9.0
<b>75.0</b>	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	3.0	3.5
<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>	6.5	6.5	6.5	6.0	6.0	5.5	5.0	4.5	4.0	3.5
<b>95.0</b>	19.0	19.0	19.0	18.5	18.5	18.0	18.0	17.5	17.5	17.0
<b>100.0</b>	39.0	39.0	39.0	39.0	39.0	39.5	39.5	39.5	39.5	40.0
<b>105.0</b>	65.0	65.0	65.0	65.5	66.0	66.5	67.0	68.0	68.5	69.5
<b>110.0</b>	98.0	98.0	98.5	99.0	100.0	101.0	102.0	103.5	105.0	106.0
<b>115.0</b>	138.5	139.0	139.5	140.0	141.5	142.5	144.5	146.5	148.5	150.5
<b>120.0</b>	186.5	187.0	187.5	188.5	190.0	191.5	193.5	196.0	198.5	201.0
<b>125.0</b>	241.0	241.0	242.0	243.0	244.5	246.5	248.5	251.5	254.0	257.0
<b>130.0</b>	299.0	299.0	299.5	301.0	302.5	304.5	307.0	309.5	312.0	314.5
<b>135.0</b>	357.0	357.0	358.0	359.0	360.5	362.0	364.0	366.0	368.5	370.5
<b>140.0</b>	412.0	412.0	412.5	413.0	414.0	415.5	417.0	418.5	419.5	421.0
<b>145.0</b>	459.0	459.0	459.5	460.0	460.5	461.5	462.0	463.0	464.0	464.5
<b>150.0</b>	498.0	498.0	498.5	498.5	499.0	499.5	499.5	500.0	500.5	501.0
<b>155.0</b>	529.0	529.0	529.0	529.0	529.0	529.5	529.5	530.0	530.5	531.0
<b>160.0</b>	553.0	553.5	553.5	553.5	553.5	554.0	554.0	554.5	554.5	554.5
<b>165.0</b>	572.0	572.0	572.0	572.5	572.5	572.5	572.5	572.5	572.5	572.5
<b>170.0</b>	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0
<b>175.0</b>	592.5	592.5	592.5	592.5	592.5	592.5	592.5	593.0	593.0	593.0
<b>180.0</b>	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0

**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>	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0	477.0
<b>1.0</b>	476.0	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5
<b>3.0</b>	473.5	474.0	474.5	475.0	475.0	475.0	475.5	475.5	475.5
<b>5.0</b>	468.0	469.5	470.5	471.5	472.0	473.0	473.5	473.5	473.5
<b>7.0</b>	460.5	462.5	464.5	466.5	468.0	469.5	470.5	471.0	471.0
<b>9.0</b>	450.0	453.5	457.0	460.0	462.5	464.5	466.0	467.0	467.5
<b>11.0</b>	438.0	443.0	447.5	451.5	455.5	458.5	460.5	462.0	463.0
<b>13.0</b>	423.5	430.0	436.5	442.0	447.0	451.5	455.0	456.5	457.0
<b>15.0</b>	408.0	415.5	424.0	431.0	437.0	442.0	446.5	449.5	450.0

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	391.0	400.5	409.0	417.5	425.5	432.5	437.5	440.5	441.5
<b>19.5</b>	368.0	378.5	389.5	400.0	409.5	417.5	424.0	428.0	430.0
<b>22.5</b>	338.5	350.5	363.0	375.5	386.5	397.0	405.0	409.5	412.0
<b>25.5</b>	307.0	320.5	334.0	348.0	360.5	372.5	382.0	387.5	389.0
<b>29.0</b>	268.0	283.0	298.0	312.0	326.0	338.5	349.5	356.5	358.5
<b>33.0</b>	220.0	237.0	253.0	268.5	282.5	295.5	306.0	313.5	317.5
<b>37.5</b>	165.0	182.5	199.5	215.5	229.0	242.0	249.0	259.0	261.5
<b>42.5</b>	109.5	126.0	141.0	156.0	168.5	179.0	188.0	194.0	195.0
<b>47.5</b>	66.5	79.0	91.0	102.5	112.5	121.0	127.5	131.5	133.0
<b>55.0</b>	29.5	35.0	41.5	48.0	54.0	58.5	62.5	64.5	65.5
<b>65.0</b>	10.5	12.5	14.5	16.5	18.5	20.5	22.0	23.0	23.0
<b>75.0</b>	4.0	4.5	5.0	6.0	6.5	7.0	7.5	8.0	8.0
<b>85.0</b>	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
<b>90.0</b>	3.0	2.5	2.5	2.0	1.5	1.0	1.0	0.5	0.5
<b>95.0</b>	16.5	16.0	16.0	15.5	15.0	14.5	14.5	14.0	14.0
<b>100.0</b>	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	39.5
<b>105.0</b>	70.0	71.0	71.5	72.0	72.5	73.0	73.0	73.0	73.0
<b>110.0</b>	108.0	109.0	110.5	111.5	112.5	113.0	113.5	113.5	113.5
<b>115.0</b>	152.5	154.5	156.5	158.0	159.5	160.0	161.0	161.0	161.0
<b>120.0</b>	203.5	206.0	208.5	210.5	212.0	213.0	214.0	214.0	214.5
<b>125.0</b>	259.5	262.5	264.5	266.5	268.0	269.5	270.0	271.0	271.0
<b>130.0</b>	317.5	319.5	321.5	323.5	325.0	326.0	327.0	327.5	327.5
<b>135.0</b>	372.5	374.0	375.5	377.0	378.5	379.5	380.0	380.5	380.5
<b>140.0</b>	422.5	423.5	424.5	426.0	426.5	427.0	427.5	428.0	428.5
<b>145.0</b>	465.5	466.0	467.0	468.0	468.5	468.5	469.0	469.5	469.5
<b>150.0</b>	501.5	502.5	503.0	503.5	503.5	504.0	504.0	504.5	504.5
<b>155.0</b>	531.5	531.5	532.0	532.0	532.0	532.5	532.5	532.5	533.0
<b>160.0</b>	555.0	555.0	555.0	555.0	555.0	555.5	555.5	555.5	555.5
<b>165.0</b>	572.5	572.5	572.5	573.0	573.0	573.0	573.0	573.0	573.0
<b>170.0</b>	585.0	585.0	585.5	585.5	585.5	585.5	585.5	585.5	585.5
<b>175.0</b>	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0	593.0
<b>180.0</b>	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0	595.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	149.88	N.A.	7.30
0-30	282.24	N.A.	13.80
0-40	387.10	N.A.	18.90
0-60	498.66	N.A.	24.40
0-80	526.95	N.A.	25.80
0-90	530.84	N.A.	26.00
10-90	495.12	N.A.	24.20
20-40	237.22	N.A.	11.60
20-50	317.13	N.A.	15.50
40-70	131.86	N.A.	6.50
60-80	28.28	N.A.	1.40
70-80	7.99	N.A.	0.40
80-90	3.89	N.A.	0.20
90-110	95.85	N.A.	4.70
90-120	246.14	N.A.	12.00
90-130	475.85	N.A.	23.30
90-150	1050.08	N.A.	51.40
90-180	1512.42	N.A.	74.00
110-180	1416.57	N.A.	69.30
0-180	2043.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	35.72
10-20	114.16
20-30	132.36
30-40	104.86
40-50	79.91
50-60	31.65
60-70	20.29
70-80	7.99
80-90	3.89
90-100	20.89
100-110	74.96
110-120	150.29
120-130	229.70
130-140	284.38
140-150	289.85
150-160	244.43
160-170	161.57
170-180	56.34

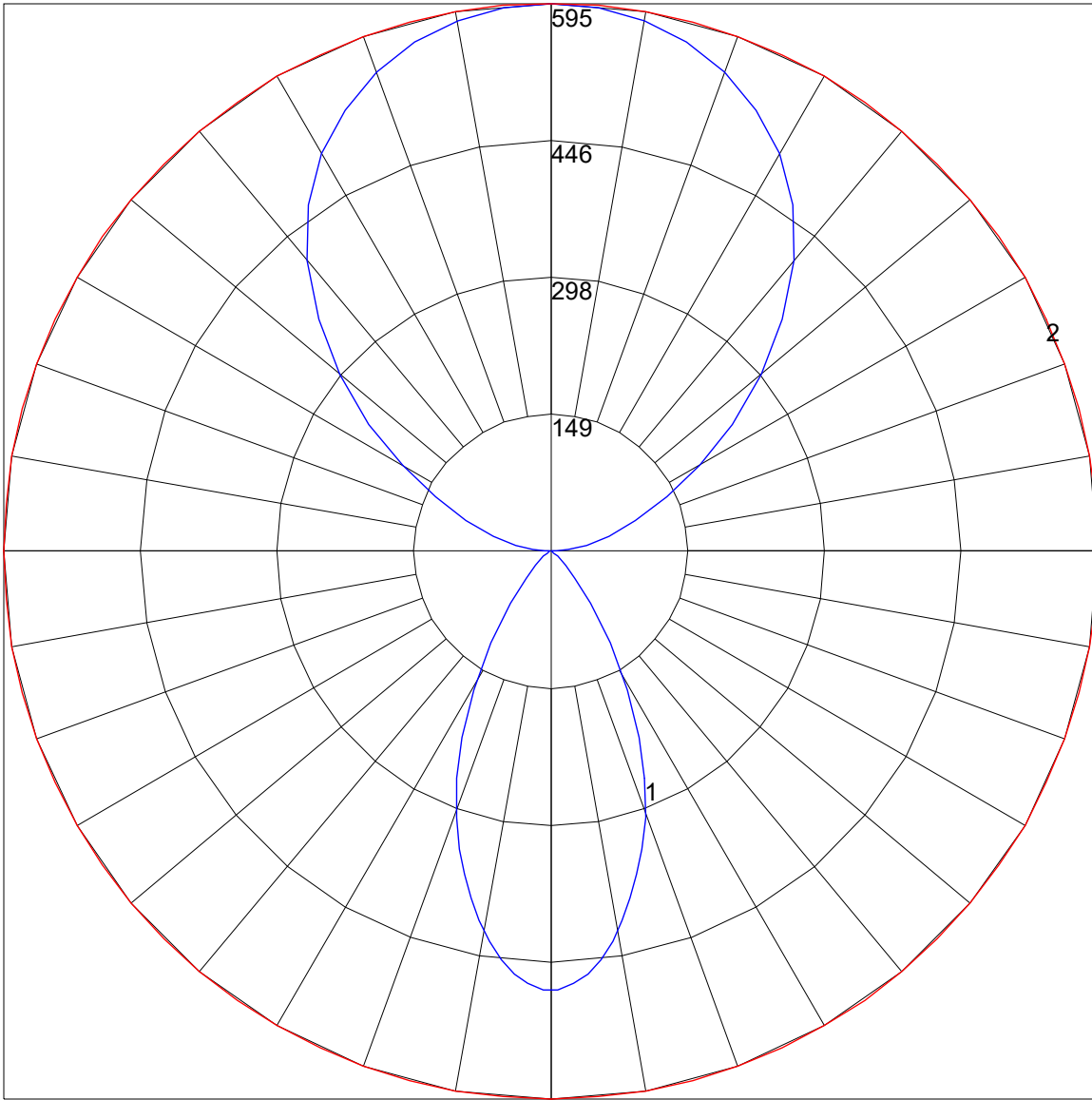
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	86	83	83	80	77	75	62	61	59	46	45	44	31	31	30	23
2	86	79	74	69	76	71	66	63	56	53	50	42	40	38	29	28	27	21
3	79	70	64	58	70	63	58	53	50	46	43	38	35	33	26	25	24	19
4	72	63	56	50	65	57	51	46	45	41	38	34	31	29	24	23	21	17
5	67	56	49	44	60	51	45	40	41	36	33	31	28	26	22	21	19	16
6	62	51	43	38	55	46	40	35	37	32	29	28	26	23	21	19	18	14
7	57	46	39	34	51	42	36	31	34	29	26	26	23	21	19	17	16	13
8	53	42	35	30	48	38	32	28	31	27	23	24	21	19	18	16	15	12
9	50	38	32	27	45	35	29	25	28	24	21	22	19	17	17	15	13	11
10	46	35	29	24	42	32	26	23	26	22	19	21	18	16	15	14	12	10

POLAR GRAPH



Maximum Candela = 595 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.)