



## IES Report

### ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 80° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	90	93	95	99
Total Lumens, 4' rail length (1219mm)	2673	2757	2813	2841
Lumens per foot (305mm)	668	689	703	710
Lumens per foot UP (305mm)	259	267	272	275
Lumens per foot DOWN (305mm)	409	422	431	435
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\_U2S7\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010922 (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-U2S7-BL

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

[MORE] up/80° 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	2813
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	29.78
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.26 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.03 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5422	5706	6280
55	4379	4827	5593
65	3233	3658	4586
75	2175	2547	3476
85	1311	1376	2141

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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</b>	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
<b>5</b>	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
<b>10</b>	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	647.0
<b>15</b>	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	634.0	634.0
<b>20</b>	614.0	614.0	614.0	614.0	614.5	614.5	614.5	615.0	615.0	615.5
<b>25</b>	588.0	588.0	588.5	588.5	589.0	589.0	589.5	589.5	590.0	590.5
<b>30</b>	555.5	555.5	556.0	556.0	556.5	557.0	557.0	558.0	558.5	559.0
<b>35</b>	516.0	516.0	516.5	516.5	517.0	517.5	518.5	519.0	520.0	520.5
<b>40</b>	468.5	468.5	469.0	469.5	470.0	471.0	472.0	473.0	474.0	475.0
<b>45</b>	411.5	411.5	412.5	413.5	414.5	416.0	417.5	419.0	420.5	422.0
<b>50</b>	347.5	348.0	348.5	350.0	351.5	353.5	355.5	358.5	361.0	363.0
<b>55</b>	281.5	282.0	282.5	284.0	286.0	288.5	290.5	293.5	296.5	299.5
<b>60</b>	218.0	218.5	219.0	220.0	221.5	224.0	226.5	230.0	233.0	236.0
<b>65</b>	164.0	164.0	164.5	165.5	166.5	168.0	169.5	171.5	173.5	176.5
<b>70</b>	117.0	117.0	117.5	118.0	119.5	120.5	122.0	123.5	124.5	125.5
<b>75</b>	77.5	77.5	78.0	78.5	79.5	80.0	81.0	82.5	83.5	84.0
<b>80</b>	47.0	47.0	47.0	47.5	47.5	48.0	48.5	49.0	49.0	49.5
<b>85</b>	25.5	25.5	25.5	25.0	25.0	24.5	24.0	24.0	23.5	23.0
<b>90</b>	11.0	11.0	11.0	10.5	10.0	9.5	9.0	8.5	7.5	7.0
<b>95</b>	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0
<b>100</b>	7.5	7.5	7.5	8.0	8.0	8.5	9.0	9.5	10.0	10.0
<b>105</b>	13.5	14.0	14.0	14.5	15.5	16.0	17.0	18.0	18.5	19.5
<b>110</b>	23.5	23.5	24.0	25.0	26.0	27.5	29.0	30.0	31.5	32.5
<b>115</b>	38.0	38.5	39.0	40.5	42.5	44.5	47.0	49.0	51.0	52.5
<b>120</b>	60.5	61.0	62.5	64.5	67.0	70.5	74.0	77.5	80.5	82.5
<b>125</b>	96.0	97.0	98.5	101.5	105.5	110.5	115.5	120.0	124.5	127.5
<b>130</b>	149.5	150.0	152.5	156.5	161.5	168.0	174.0	180.0	185.0	188.5
<b>135</b>	221.5	222.5	225.5	229.5	235.5	242.0	248.5	255.0	259.5	262.5
<b>140</b>	306.5	307.5	310.0	314.5	319.5	325.0	330.5	335.5	339.0	341.0
<b>145</b>	392.5	393.0	395.0	398.0	401.5	405.5	409.0	412.0	414.0	414.0
<b>150</b>	466.5	466.5	468.0	469.5	471.5	473.5	475.0	476.5	477.0	476.5
<b>155</b>	523.0	523.5	524.0	524.5	525.0	526.0	526.0	526.5	526.5	525.5
<b>160</b>	564.0	564.0	564.0	564.0	564.5	564.5	564.0	564.0	563.5	563.0
<b>165</b>	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.0	590.0	589.5
<b>170</b>	607.0	607.0	607.0	607.0	607.0	607.0	607.0	607.0	606.5	606.5
<b>175</b>	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
<b>180</b>	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5

## 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</b>	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0	656.0
<b>5</b>	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
<b>10</b>	647.0	647.0	647.0	647.0	647.0	647.0	647.0	647.0	647.0
<b>15</b>	634.0	634.0	634.0	634.5	634.5	634.5	634.5	634.5	634.5
<b>20</b>	615.5	616.0	616.0	616.0	616.0	616.5	616.5	616.5	616.5
<b>25</b>	591.0	591.0	591.5	592.0	592.0	592.0	592.5	592.5	592.5
<b>30</b>	559.5	560.0	560.5	561.0	561.5	562.0	562.0	562.0	562.0
<b>35</b>	521.5	522.0	523.0	523.5	524.0	524.5	525.0	525.0	525.5
<b>40</b>	476.0	477.0	478.0	479.0	480.0	480.5	481.0	481.5	481.5
<b>45</b>	423.5	425.0	426.0	427.5	428.5	429.5	430.0	430.5	430.5
<b>50</b>	365.0	366.5	368.0	369.5	371.0	372.0	372.5	373.0	373.0
<b>55</b>	302.5	305.0	306.5	308.0	309.5	310.5	311.0	311.5	312.0
<b>60</b>	239.0	242.5	244.5	246.0	247.5	248.0	249.0	249.5	249.5

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	179.5	182.5	185.0	187.0	188.0	189.0	189.5	189.5	189.5
<b>70</b>	127.0	129.0	131.5	133.5	135.0	135.5	135.5	136.0	136.0
<b>75</b>	85.0	85.0	85.5	86.5	88.0	89.0	89.0	89.0	89.0
<b>80</b>	50.0	50.0	50.0	49.5	49.0	50.0	50.5	50.0	50.0
<b>85</b>	22.5	22.0	21.5	21.0	20.5	20.0	19.5	19.5	19.5
<b>90</b>	6.0	5.0	4.5	3.5	3.0	2.5	2.0	1.5	1.5
<b>95</b>	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
<b>100</b>	10.5	10.5	11.0	11.0	11.0	11.0	11.0	11.0	11.0
<b>105</b>	20.0	20.0	20.5	20.5	20.5	21.0	21.0	21.0	21.0
<b>110</b>	33.5	34.0	34.0	34.5	34.5	34.0	34.0	34.0	34.0
<b>115</b>	53.5	54.0	54.5	54.0	53.5	53.0	53.0	52.5	52.5
<b>120</b>	84.0	84.5	84.0	83.0	82.0	81.0	80.0	79.5	79.0
<b>125</b>	129.0	129.0	128.0	126.0	124.0	122.0	120.0	119.0	118.5
<b>130</b>	190.0	189.5	187.0	184.0	181.0	177.5	175.0	173.0	172.5
<b>135</b>	263.0	262.0	259.0	255.0	250.5	246.5	243.5	241.5	240.5
<b>140</b>	340.5	339.0	335.5	331.0	327.0	323.0	319.5	317.5	317.0
<b>145</b>	413.5	411.5	408.5	404.5	401.0	397.5	394.5	393.0	392.5
<b>150</b>	475.5	473.5	471.0	468.0	465.5	463.0	461.0	460.0	459.5
<b>155</b>	524.5	523.0	521.5	520.0	518.0	517.0	515.5	515.0	515.0
<b>160</b>	562.5	561.5	560.5	559.5	558.5	558.0	557.5	557.0	556.5
<b>165</b>	589.0	588.5	588.0	587.5	587.5	587.0	586.5	586.5	586.5
<b>170</b>	606.5	606.0	606.0	606.0	606.0	605.5	605.5	605.5	605.5
<b>175</b>	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
<b>180</b>	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	241.12	N.A.	8.60
0-30	513.02	N.A.	18.20
0-40	838.10	N.A.	29.80
0-60	1428.93	N.A.	50.80
0-80	1696.31	N.A.	60.30
0-90	1723.79	N.A.	61.30
10-90	1661.6	N.A.	59.10
20-40	596.98	N.A.	21.20
20-50	921.23	N.A.	32.70
40-70	767.83	N.A.	27.30
60-80	267.38	N.A.	9.50
70-80	90.38	N.A.	3.20
80-90	27.49	N.A.	1.00
90-110	26.67	N.A.	0.90
90-120	77.09	N.A.	2.70
90-130	184.96	N.A.	6.60
90-150	626.06	N.A.	22.30
90-180	1089.51	N.A.	38.70
110-180	1062.84	N.A.	37.80
0-180	2813.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	62.19
10-20	178.93
20-30	271.90
30-40	325.08
40-50	324.25
50-60	266.59
60-70	177.00
70-80	90.38
80-90	27.49
90-100	6.43
100-110	20.24
110-120	50.41
120-130	107.87
130-140	190.89
140-150	250.21
150-160	239.23
160-170	165.74
170-180	58.49

# IES INDOOR REPORT

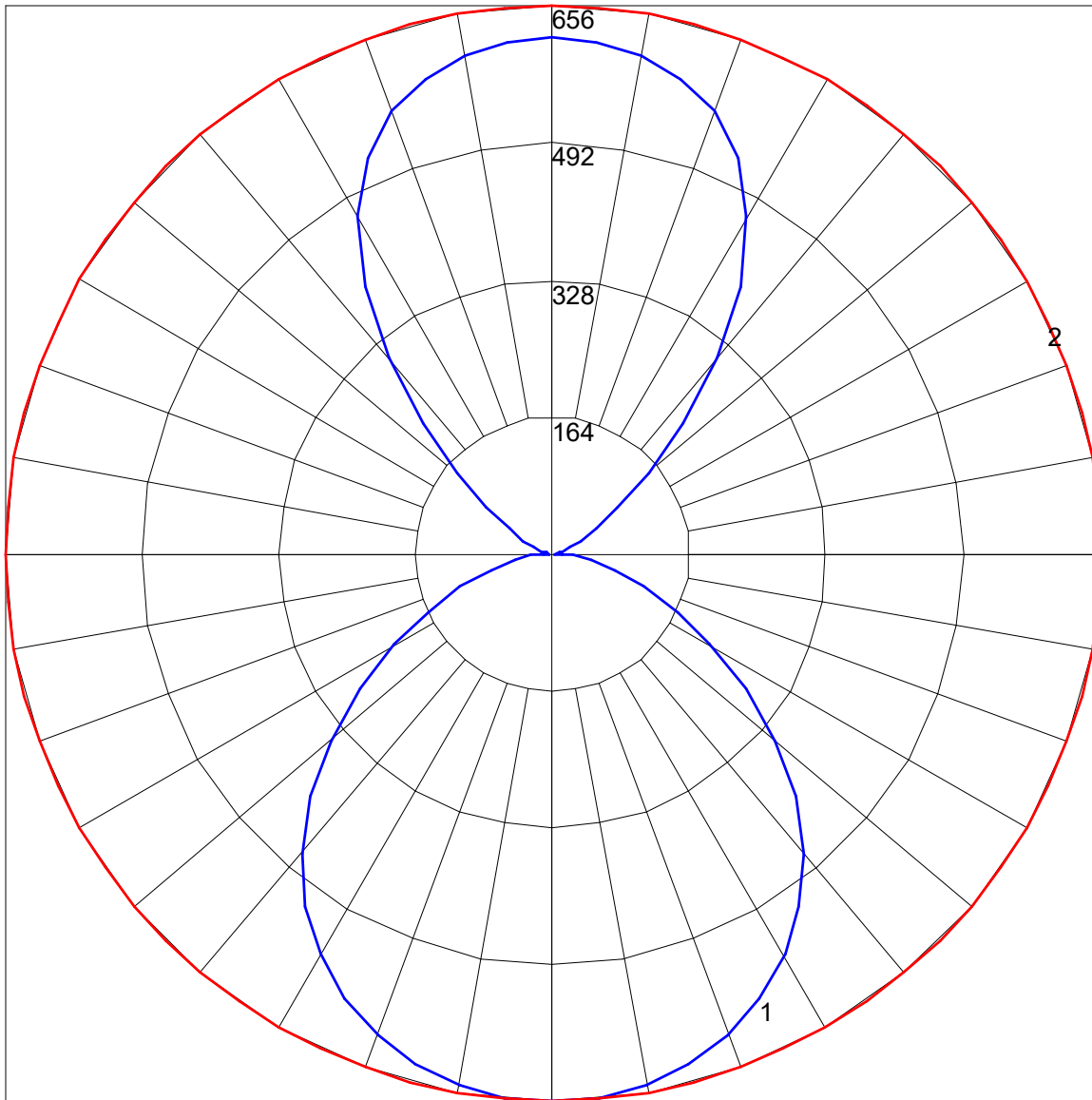
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	101	96	92	89	94	90	87	84	79	76	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	69	65	62	61	57	55	52	50	48	44
3	84	74	67	61	78	70	63	58	61	56	52	54	50	47	47	44	41	37
4	77	66	58	52	72	62	55	49	55	49	45	48	44	40	42	38	36	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	38	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	31	34	30	27	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	24	22
8	56	43	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	36	29	24	46	35	28	23	31	25	22	28	23	20	24	21	18	16

POLAR GRAPH



Maximum Candela = 656 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.)