



## IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	103	107	109	110
Total Lumens, 4' rail length (1219mm)	3062	3159	3223	3256
Lumens per foot (305mm)	766	790	806	814
Lumens per foot UP (305mm)	430	444	453	457
Lumens per foot DOWN (305mm)	335	346	353	357
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\_U2D2.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911557 (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-U2D2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edgeglow up/soft

[MORE] diffuse 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	3223
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	29.78
Ballast Factor	1.00
CIE Type	General Diffuse
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	4456	4522	4742
55	4187	4275	4578
65	3768	3893	4306
75	3042	3202	3784
85	1650	1865	2875

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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>	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0
<b>1.0</b>	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0
<b>3.0</b>	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5
<b>5.0</b>	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5
<b>7.0</b>	482.0	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5
<b>9.0</b>	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0	480.0
<b>11.0</b>	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5
<b>13.0</b>	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5	472.5
<b>15.0</b>	468.0	468.0	468.0	468.0	468.0	468.0	468.0	467.5	467.5	467.5
<b>17.0</b>	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5	462.5
<b>19.5</b>	455.0	455.0	455.0	455.0	455.0	455.0	454.5	454.5	454.5	454.5
<b>22.5</b>	444.5	444.5	444.5	444.5	444.5	444.0	444.0	444.0	444.0	444.0
<b>25.5</b>	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.0	432.0	432.0
<b>29.0</b>	417.5	417.5	417.0	417.0	417.0	417.0	417.0	417.0	416.5	416.5
<b>33.0</b>	397.5	397.5	397.5	397.5	397.5	397.5	397.0	397.0	397.0	396.5
<b>37.5</b>	373.0	373.0	373.0	373.0	373.0	372.5	372.5	372.5	372.0	372.0
<b>42.5</b>	343.0	343.0	343.0	343.0	342.5	342.5	342.5	342.0	342.0	342.0
<b>47.5</b>	310.0	310.0	310.0	310.0	310.0	309.5	309.5	309.5	309.0	309.0
<b>55.0</b>	256.5	256.5	256.5	256.5	256.5	256.5	256.0	256.0	256.0	255.5
<b>65.0</b>	178.5	178.5	178.5	178.5	178.5	178.5	178.0	178.0	178.0	178.0
<b>75.0</b>	97.5	97.5	97.5	97.5	97.0	97.0	97.0	97.0	97.0	97.0
<b>85.0</b>	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
<b>90.0</b>	13.0	13.0	13.0	12.5	12.0	11.5	11.0	10.0	9.0	8.0
<b>95.0</b>	29.0	29.0	28.5	28.5	28.0	27.5	27.0	26.5	26.0	25.0
<b>100.0</b>	52.0	52.0	52.0	52.0	52.5	52.5	52.5	53.0	53.0	53.5
<b>105.0</b>	86.0	86.0	86.0	86.5	87.0	87.5	88.5	89.0	89.5	90.0
<b>110.0</b>	127.0	127.0	127.5	128.5	129.0	130.5	131.5	133.0	134.0	135.5
<b>115.0</b>	177.5	178.0	178.5	179.5	180.5	182.0	183.5	185.0	187.0	189.0
<b>120.0</b>	236.5	236.5	237.5	238.5	239.5	241.5	243.5	246.0	248.5	251.0
<b>125.0</b>	302.0	302.5	303.0	304.0	306.0	307.5	310.0	312.0	314.5	317.0
<b>130.0</b>	370.5	370.5	371.0	372.0	373.5	375.0	377.0	379.0	380.5	382.0
<b>135.0</b>	435.5	435.5	436.0	437.0	437.5	439.0	440.0	441.0	442.0	443.0
<b>140.0</b>	493.0	493.0	493.5	494.0	494.5	495.0	495.5	496.0	496.5	497.5
<b>145.0</b>	541.5	541.5	542.0	542.0	542.5	542.5	543.0	543.5	544.0	544.0
<b>150.0</b>	582.0	582.0	582.0	582.0	582.5	582.5	582.5	583.0	583.5	583.5
<b>155.0</b>	614.5	614.5	614.5	615.0	615.0	615.0	615.0	615.0	615.5	615.5
<b>160.0</b>	640.5	640.5	640.5	641.0	641.0	641.0	641.0	641.0	641.0	641.0
<b>165.0</b>	660.0	660.0	660.5	660.0	660.0	660.0	660.5	660.5	660.5	660.5
<b>170.0</b>	673.5	674.0	674.0	674.0	673.5	674.0	674.0	674.0	674.0	674.0
<b>175.0</b>	681.5	681.5	681.5	681.5	681.5	681.5	681.5	681.5	681.5	681.5
<b>180.0</b>	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5

**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>	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0
<b>1.0</b>	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0	486.0
<b>3.0</b>	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5	485.5
<b>5.0</b>	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5	484.5
<b>7.0</b>	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5	482.5
<b>9.0</b>	479.5	480.0	479.5	479.5	479.5	479.5	479.5	479.5	479.5
<b>11.0</b>	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5	476.5
<b>13.0</b>	472.5	472.5	472.5	472.0	472.0	472.0	472.0	472.0	472.0
<b>15.0</b>	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0	462.0
<b>19.5</b>	454.5	454.0	454.0	454.0	454.5	454.0	454.0	454.0	454.0
<b>22.5</b>	444.0	443.5	443.5	443.5	443.5	443.5	443.5	443.5	443.5
<b>25.5</b>	432.0	431.5	431.5	431.5	431.5	431.5	431.5	431.5	431.0
<b>29.0</b>	416.5	416.0	416.0	416.0	416.0	416.0	416.0	415.5	415.5
<b>33.0</b>	396.5	396.5	396.0	396.0	396.0	396.0	396.0	396.0	396.0
<b>37.5</b>	372.0	371.5	371.5	371.5	371.0	371.0	371.0	371.0	371.0
<b>42.5</b>	341.5	341.5	341.0	341.0	341.0	341.0	341.0	340.5	340.5
<b>47.5</b>	309.0	308.5	308.5	308.5	308.0	308.0	308.0	308.0	308.0
<b>55.0</b>	255.5	255.0	255.0	255.0	255.0	255.0	254.5	254.5	254.5
<b>65.0</b>	177.5	177.5	177.5	177.5	177.5	177.0	177.0	177.0	177.0
<b>75.0</b>	96.5	96.5	96.5	96.5	96.5	96.0	96.0	96.0	96.0
<b>85.0</b>	26.0	26.0	25.5	25.5	25.5	25.5	25.5	25.5	25.5
<b>90.0</b>	7.0	6.0	5.0	4.0	3.5	2.5	2.0	1.5	1.0
<b>95.0</b>	24.0	23.5	23.0	22.0	21.5	20.5	20.5	20.0	20.0
<b>100.0</b>	53.0	53.0	52.5	52.0	52.0	52.0	52.0	52.0	51.5
<b>105.0</b>	90.5	91.0	91.5	92.0	93.0	93.0	93.0	93.0	92.5
<b>110.0</b>	136.5	138.0	139.5	141.0	141.5	142.0	142.0	141.5	141.5
<b>115.0</b>	191.5	193.5	195.5	196.5	197.5	197.5	197.5	197.5	197.5
<b>120.0</b>	253.5	255.5	257.0	258.0	259.0	259.0	259.5	259.5	259.5
<b>125.0</b>	319.0	320.5	321.5	322.5	323.0	323.5	324.0	324.0	324.0
<b>130.0</b>	383.5	384.5	385.5	386.0	387.0	387.0	387.5	387.5	388.0
<b>135.0</b>	444.0	444.5	445.0	446.0	446.5	446.5	447.0	447.0	447.0
<b>140.0</b>	498.0	498.5	499.0	499.5	499.5	500.0	500.0	500.0	500.0
<b>145.0</b>	544.5	545.0	545.5	545.5	545.5	546.0	546.0	546.0	546.0
<b>150.0</b>	583.5	584.0	584.0	584.5	584.5	584.5	584.5	584.5	584.5
<b>155.0</b>	615.5	616.0	616.0	616.0	616.0	616.0	616.5	616.5	616.0
<b>160.0</b>	641.0	641.0	641.5	641.0	641.5	641.5	641.5	641.5	641.5
<b>165.0</b>	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5
<b>170.0</b>	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0
<b>175.0</b>	681.5	681.5	681.5	681.5	681.5	681.5	681.5	682.0	681.5
<b>180.0</b>	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5	683.5

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

Zone	Lumens	%Lamp	%Fixt
0-20	169.61	N.A.	5.30
0-30	355.70	N.A.	11.00
0-40	556.98	N.A.	17.30
0-60	989.81	N.A.	30.70
0-80	1336.66	N.A.	41.50
0-90	1411.95	N.A.	43.80
10-90	1374.57	N.A.	42.60
20-40	387.37	N.A.	12.00
20-50	639.25	N.A.	19.80
40-70	638.38	N.A.	19.80
60-80	346.85	N.A.	10.80
70-80	141.30	N.A.	4.40
80-90	75.29	N.A.	2.30
90-110	126.69	N.A.	3.90
90-120	315.25	N.A.	9.80
90-130	596.89	N.A.	18.50
90-150	1276.73	N.A.	39.60
90-180	1811.45	N.A.	56.20
110-180	1684.76	N.A.	52.30
0-180	3223.4	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	37.37
10-20	132.24
20-30	186.09
30-40	201.28
40-50	251.88
50-60	180.95
60-70	205.55
70-80	141.30
80-90	75.29
90-100	29.85
100-110	96.84
110-120	188.56
120-130	281.64
130-140	340.12
140-150	339.71
150-160	283.51
160-170	186.41
170-180	64.81

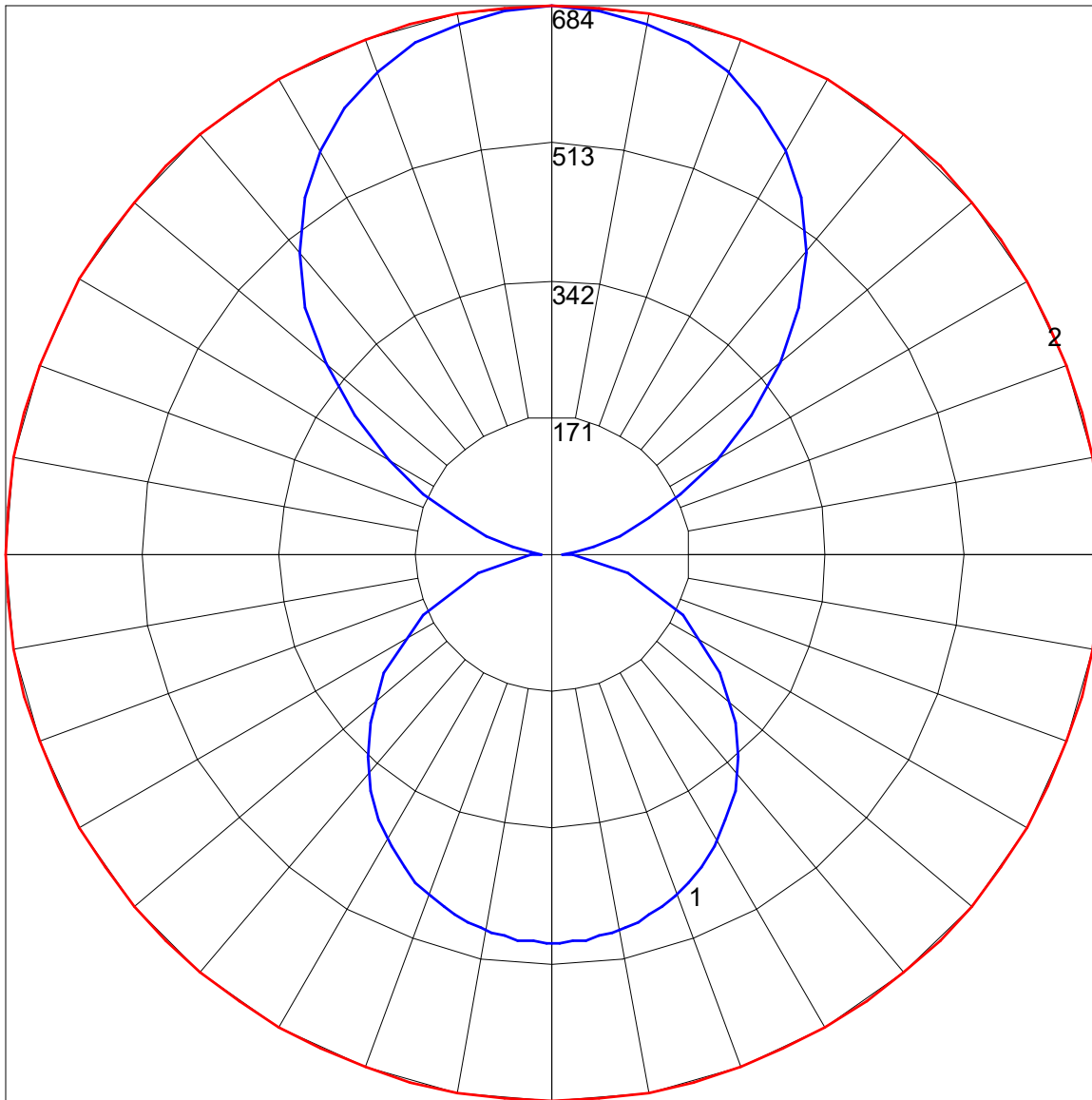
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	95	91	86	83	87	83	79	76	69	66	63	55	53	52	43	42	41	35
2	86	79	72	67	79	72	66	62	59	55	52	48	45	42	37	35	33	28
3	79	69	61	55	71	63	56	51	52	47	43	42	38	35	33	30	28	24
4	72	61	52	46	65	56	48	43	46	41	36	37	33	30	29	26	24	20
5	66	54	45	39	60	49	42	37	41	35	31	33	29	26	26	23	21	17
6	60	48	40	34	55	44	37	32	37	31	27	30	26	22	24	20	18	15
7	56	43	35	30	51	40	33	28	33	28	24	27	23	20	21	18	16	13
8	52	39	31	26	47	36	29	24	30	25	21	25	21	18	20	17	14	12
9	48	36	28	23	44	33	26	22	28	22	19	23	19	16	18	15	13	11
10	45	33	25	21	41	30	24	19	26	20	17	21	17	14	17	14	12	10

POLAR GRAPH



Maximum Candela = 683.5 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.)