



## IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 80 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	120	124	126	126
Total Lumens, 4' rail length (1219mm)	3552	3664	3739	3739
Lumens per foot (305mm)	888	916	935	935
Lumens per foot UP (305mm)	499	515	525	525
Lumens per foot DOWN (305mm)	389	401	409	409
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	82	82	82	82

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\_35\_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-35-U2D2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 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	3739
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
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	5169	5245	5500
55	4857	4959	5311
65	4371	4516	4995
75	3528	3715	4389
85	1914	2163	3335

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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>	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76
<b>1.0</b>	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76
<b>3.0</b>	563.18	563.18	563.18	563.18	563.18	563.18	563.18	563.18	563.18	563.18
<b>5.0</b>	562.02	562.02	562.02	562.02	562.02	562.02	562.02	562.02	562.02	562.02
<b>7.0</b>	559.12	559.70	559.70	559.70	559.70	559.70	559.70	559.70	559.70	559.70
<b>9.0</b>	556.80	556.80	556.80	556.80	556.80	556.80	556.80	556.80	556.80	556.80
<b>11.0</b>	552.74	552.74	552.74	552.74	552.74	552.74	552.74	552.74	552.74	552.74
<b>13.0</b>	548.10	548.10	548.10	548.10	548.10	548.10	548.10	548.10	548.10	548.10
<b>15.0</b>	542.88	542.88	542.88	542.88	542.88	542.88	542.88	542.30	542.30	542.30
<b>17.0</b>	536.50	536.50	536.50	536.50	536.50	536.50	536.50	536.50	536.50	536.50
<b>19.5</b>	527.80	527.80	527.80	527.80	527.80	527.80	527.22	527.22	527.22	527.22
<b>22.5</b>	515.62	515.62	515.62	515.62	515.62	515.04	515.04	515.04	515.04	515.04
<b>25.5</b>	501.70	501.70	501.70	501.70	501.70	501.70	501.70	501.12	501.12	501.12
<b>29.0</b>	484.30	484.30	483.72	483.72	483.72	483.72	483.72	483.72	483.14	483.14
<b>33.0</b>	461.10	461.10	461.10	461.10	461.10	461.10	460.52	460.52	460.52	459.94
<b>37.5</b>	432.68	432.68	432.68	432.68	432.68	432.10	432.10	432.10	431.52	431.52
<b>42.5</b>	397.88	397.88	397.88	397.88	397.30	397.30	397.30	396.72	396.72	396.72
<b>47.5</b>	359.60	359.60	359.60	359.60	359.60	359.02	359.02	359.02	358.44	358.44
<b>55.0</b>	297.54	297.54	297.54	297.54	297.54	297.54	296.96	296.96	296.96	296.38
<b>65.0</b>	207.06	207.06	207.06	207.06	207.06	207.06	206.48	206.48	206.48	206.48
<b>75.0</b>	113.10	113.10	113.10	113.10	112.52	112.52	112.52	112.52	112.52	112.52
<b>85.0</b>	30.16	30.16	30.16	30.16	30.16	30.16	30.16	30.16	30.16	30.16
<b>90.0</b>	15.08	15.08	15.08	14.50	13.92	13.34	12.76	11.60	10.44	9.28
<b>95.0</b>	33.64	33.64	33.06	33.06	32.48	31.90	31.32	30.74	30.16	29.00
<b>100.0</b>	60.32	60.32	60.32	60.32	60.90	60.90	60.90	61.48	61.48	62.06
<b>105.0</b>	99.76	99.76	99.76	100.34	100.92	101.50	102.66	103.24	103.82	104.40
<b>110.0</b>	147.32	147.32	147.90	149.06	149.64	151.38	152.54	154.28	155.44	157.18
<b>115.0</b>	205.90	206.48	207.06	208.22	209.38	211.12	212.86	214.60	216.92	219.24
<b>120.0</b>	274.34	274.34	275.50	276.66	277.82	280.14	282.46	285.36	288.26	291.16
<b>125.0</b>	350.32	350.90	351.48	352.64	354.96	356.70	359.60	361.92	364.82	367.72
<b>130.0</b>	429.78	429.78	430.36	431.52	433.26	435.00	437.32	439.64	441.38	443.12
<b>135.0</b>	505.18	505.18	505.76	506.92	507.50	509.24	510.40	511.56	512.72	513.88
<b>140.0</b>	571.88	571.88	572.46	573.04	573.62	574.20	574.78	575.36	575.94	577.10
<b>145.0</b>	628.14	628.14	628.72	628.72	629.30	629.30	629.88	630.46	631.04	631.04
<b>150.0</b>	675.12	675.12	675.12	675.12	675.70	675.70	675.70	676.28	676.86	676.86
<b>155.0</b>	712.82	712.82	712.82	713.40	713.40	713.40	713.40	713.40	713.98	713.98
<b>160.0</b>	742.98	742.98	742.98	743.56	743.56	743.56	743.56	743.56	743.56	743.56
<b>165.0</b>	765.60	765.60	766.18	765.60	765.60	765.60	766.18	766.18	766.18	766.18
<b>170.0</b>	781.26	781.84	781.84	781.84	781.26	781.84	781.84	781.84	781.84	781.84
<b>175.0</b>	790.54	790.54	790.54	790.54	790.54	790.54	790.54	790.54	790.54	790.54
<b>180.0</b>	792.86	792.86	792.86	792.86	792.86	792.86	792.86	792.86	792.86	792.86

**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>	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76
<b>1.0</b>	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76	563.76
<b>3.0</b>	563.18	563.18	563.18	563.18	563.18	563.18	563.18	563.18	563.18
<b>5.0</b>	562.02	562.02	562.02	562.02	562.02	562.02	562.02	562.02	562.02
<b>7.0</b>	559.70	559.70	559.70	559.70	559.70	559.70	559.70	559.70	559.70
<b>9.0</b>	556.22	556.80	556.22	556.22	556.22	556.22	556.22	556.22	556.22
<b>11.0</b>	552.74	552.74	552.74	552.74	552.74	552.74	552.74	552.74	552.74
<b>13.0</b>	548.10	548.10	548.10	547.52	547.52	547.52	547.52	547.52	547.52
<b>15.0</b>	542.30	542.30	542.30	542.30	542.30	542.30	542.30	542.30	542.30

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**CANDELA TABULATION - (Cont.)**

17.0	535.92	535.92	535.92	535.92	535.92	535.92	535.92	535.92	535.92
19.5	527.22	526.64	526.64	526.64	527.22	526.64	526.64	526.64	526.64
22.5	515.04	514.46	514.46	514.46	514.46	514.46	514.46	514.46	514.46
25.5	501.12	500.54	500.54	500.54	500.54	500.54	500.54	500.54	499.96
29.0	483.14	482.56	482.56	482.56	482.56	482.56	482.56	481.98	481.98
33.0	459.94	459.94	459.36	459.36	459.36	459.36	459.36	459.36	459.36
37.5	431.52	430.94	430.94	430.94	430.36	430.36	430.36	430.36	430.36
42.5	396.14	396.14	395.56	395.56	395.56	395.56	395.56	394.98	394.98
47.5	358.44	357.86	357.86	357.86	357.28	357.28	357.28	357.28	357.28
55.0	296.38	295.80	295.80	295.80	295.80	295.80	295.22	295.22	295.22
65.0	205.90	205.90	205.90	205.90	205.90	205.32	205.32	205.32	205.32
75.0	111.94	111.94	111.94	111.94	111.94	111.36	111.36	111.36	111.36
85.0	30.16	30.16	29.58	29.58	29.58	29.58	29.58	29.58	29.58
90.0	8.12	6.96	5.80	4.64	4.06	2.90	2.32	1.74	1.16
95.0	27.84	27.26	26.68	25.52	24.94	23.78	23.78	23.20	23.20
100.0	61.48	61.48	60.90	60.32	60.32	60.32	60.32	60.32	59.74
105.0	104.98	105.56	106.14	106.72	107.88	107.88	107.88	107.88	107.30
110.0	158.34	160.08	161.82	163.56	164.14	164.72	164.72	164.14	164.14
115.0	222.14	224.46	226.78	227.94	229.10	229.10	229.10	229.10	229.10
120.0	294.06	296.38	298.12	299.28	300.44	300.44	301.02	301.02	301.02
125.0	370.04	371.78	372.94	374.10	374.68	375.26	375.84	375.84	375.84
130.0	444.86	446.02	447.18	447.76	448.92	448.92	449.50	449.50	450.08
135.0	515.04	515.62	516.20	517.36	517.94	517.94	518.52	518.52	518.52
140.0	577.68	578.26	578.84	579.42	579.42	580.00	580.00	580.00	580.00
145.0	631.62	632.20	632.78	632.78	632.78	633.36	633.36	633.36	633.36
150.0	676.86	677.44	677.44	678.02	678.02	678.02	678.02	678.02	678.02
155.0	713.98	714.56	714.56	714.56	714.56	714.56	715.14	715.14	714.56
160.0	743.56	743.56	744.14	743.56	744.14	744.14	744.14	744.14	744.14
165.0	766.18	766.18	766.18	766.18	766.18	766.18	766.18	766.18	766.18
170.0	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84	781.84
175.0	790.54	790.54	790.54	790.54	790.54	790.54	790.54	791.12	790.54
180.0	792.86	792.86	792.86	792.86	792.86	792.86	792.86	792.86	792.86

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

Zone	Lumens	%Lamp	%Fixt
0-20	196.75	N.A.	5.30
0-30	412.61	N.A.	11.00
0-40	646.10	N.A.	17.30
0-60	1148.18	N.A.	30.70
0-80	1550.53	N.A.	41.50
0-90	1637.86	N.A.	43.80
10-90	1594.51	N.A.	42.60
20-40	449.35	N.A.	12.00
20-50	741.53	N.A.	19.80
40-70	740.52	N.A.	19.80
60-80	402.35	N.A.	10.80
70-80	163.91	N.A.	4.40
80-90	87.33	N.A.	2.30
90-110	146.96	N.A.	3.90
90-120	365.69	N.A.	9.80
90-130	692.40	N.A.	18.50
90-150	1481.00	N.A.	39.60
90-180	2101.29	N.A.	56.20
110-180	1954.32	N.A.	52.30
0-180	3739.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	43.35
10-20	153.40
20-30	215.86
30-40	233.49
40-50	292.18
50-60	209.90
60-70	238.44
70-80	163.91
80-90	87.33
90-100	34.62
100-110	112.34
110-120	218.73
120-130	326.71
130-140	394.54
140-150	394.07
150-160	328.87
160-170	216.24
170-180	75.18

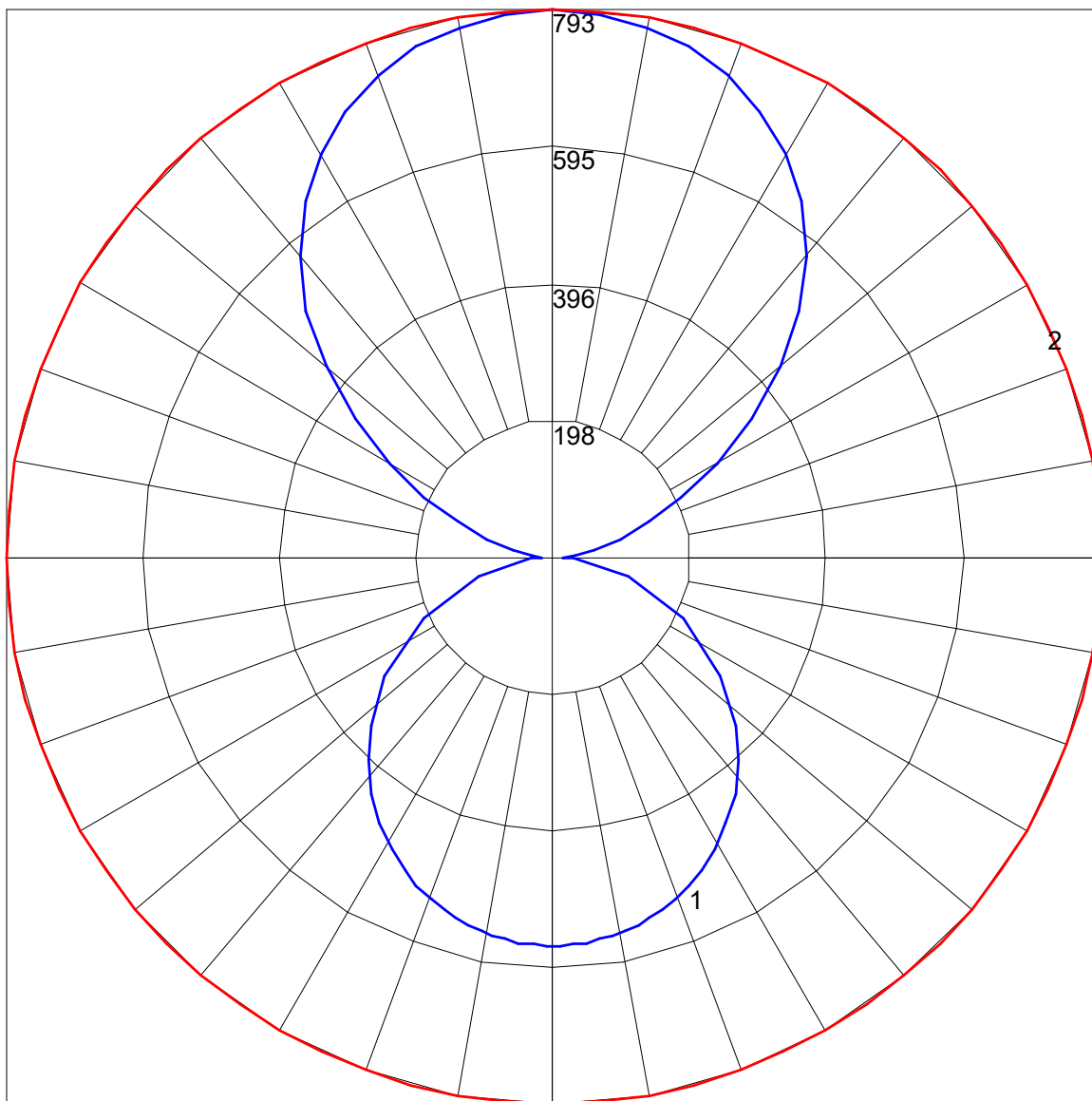
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 792.86 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.)