

**IES Report**

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	103	106	109	111
Total Lumens, 4' rail length (1219mm)	3163	3263	3329	3396
Lumens per foot (305mm)	791	816	832	849
Lumens per foot UP (305mm)	1744	1799	1836	1873
Lumens per foot DOWN (305mm)	1419	1463	1493	1523
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	85	85	85	85

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-U1D2-AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L081800701 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 8/15/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-CC-Z-LO-35-U1D2-AL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens up/soft 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	3329
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	30.82
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4892	4967	5213
55	4577	4677	5021
65	4094	4223	4687
75	3285	3445	4045
85	1794	1951	2843

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>	519.68	519.68	519.68	519.68	519.68	519.68	519.68	519.68	519.68	519.68
<b>5</b>	517.36	517.94	517.36	517.36	517.94	517.94	517.36	517.36	517.36	517.36
<b>10</b>	510.98	510.98	510.98	510.98	510.98	510.98	510.98	510.98	510.98	510.98
<b>15</b>	499.38	499.38	499.38	499.38	499.38	499.38	499.38	499.38	499.38	499.38
<b>20</b>	483.72	483.72	483.72	483.72	483.72	483.14	483.14	483.14	483.14	483.14
<b>25</b>	463.42	463.42	463.42	463.42	463.42	463.42	463.42	462.84	462.84	462.84
<b>30</b>	439.64	439.64	439.64	439.64	439.64	439.06	439.06	439.06	439.06	438.48
<b>35</b>	411.80	411.80	411.80	411.80	411.80	411.80	411.22	411.22	411.22	410.64
<b>40</b>	381.06	381.06	381.06	381.06	381.06	381.06	380.48	380.48	380.48	379.90
<b>45</b>	347.42	347.42	347.42	347.42	346.84	346.84	346.84	346.84	346.26	346.26
<b>50</b>	310.88	310.88	310.88	310.88	310.30	310.30	310.30	309.72	309.72	309.72
<b>55</b>	272.02	272.02	272.02	272.02	271.44	271.44	271.44	271.44	270.86	270.86
<b>60</b>	230.84	230.84	230.84	230.84	230.84	230.84	230.26	230.26	230.26	229.68
<b>65</b>	188.50	189.08	188.50	188.50	188.50	188.50	187.92	187.92	187.92	187.34
<b>70</b>	145.58	145.58	145.58	145.58	145.00	145.00	145.00	144.42	144.42	144.42
<b>75</b>	102.66	102.66	102.66	102.66	102.66	102.08	102.08	102.08	101.50	101.50
<b>80</b>	62.64	62.64	62.64	62.06	62.06	62.06	61.48	61.48	60.90	60.90
<b>85</b>	27.84	27.84	27.84	27.84	27.26	27.26	27.26	27.26	26.68	26.68
<b>90</b>	2.32	2.32	2.32	1.74	1.74	1.74	1.74	1.74	1.74	1.74
<b>95</b>	17.98	17.98	17.98	18.56	18.56	18.56	18.56	18.56	18.56	18.56
<b>100</b>	44.66	44.66	45.24	45.24	45.82	45.82	46.40	46.98	47.56	48.14
<b>105</b>	78.30	78.88	78.88	79.46	80.04	81.20	81.78	82.94	84.10	85.26
<b>110</b>	120.64	120.64	121.22	121.80	122.96	124.12	125.86	127.60	129.34	131.08
<b>115</b>	171.10	171.10	171.68	172.84	174.00	175.74	177.48	179.80	182.12	184.44
<b>120</b>	229.10	229.10	229.68	230.84	232.58	234.32	236.64	239.54	242.44	245.34
<b>125</b>	293.48	293.48	294.64	295.80	297.54	299.86	302.18	305.08	307.98	311.46
<b>130</b>	361.92	362.50	363.08	364.24	365.98	368.30	371.20	374.10	377.58	380.48
<b>135</b>	431.52	431.52	432.10	433.26	435.00	437.32	439.64	441.96	444.86	447.18
<b>140</b>	497.06	497.06	497.64	498.80	499.96	501.70	503.44	505.18	506.92	508.66
<b>145</b>	555.06	555.06	555.64	556.22	556.80	557.96	558.54	559.70	560.86	561.44
<b>150</b>	602.62	603.20	603.20	603.78	603.78	604.36	604.94	605.52	606.10	606.68
<b>155</b>	641.48	641.48	641.48	641.48	641.48	642.06	642.06	642.64	643.22	643.80
<b>160</b>	671.64	671.64	671.64	671.64	672.22	672.22	672.22	672.80	673.38	673.38
<b>165</b>	694.84	694.84	694.84	694.84	695.42	695.42	696.00	696.00	696.58	697.16
<b>170</b>	712.82	712.82	712.82	713.40	713.40	713.40	713.98	713.98	714.56	715.14
<b>175</b>	725.00	725.00	725.00	725.00	725.58	725.58	725.58	725.58	725.58	726.16
<b>180</b>	729.64	729.64	729.64	729.64	729.64	729.64	729.64	729.64	729.64	729.64

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>	519.68	519.68	519.68	519.68	519.68	519.68	519.68	519.68	519.68
<b>5</b>	517.94	517.36	517.36	517.36	517.36	517.94	517.36	517.94	517.36
<b>10</b>	510.40	510.40	510.40	510.40	510.40	510.40	510.40	510.98	510.40
<b>15</b>	498.80	498.80	498.80	498.80	498.80	498.80	498.80	498.80	498.80
<b>20</b>	483.14	483.14	483.14	482.56	482.56	482.56	482.56	482.56	482.56
<b>25</b>	462.84	462.84	462.26	462.26	462.26	462.26	462.26	462.26	462.26
<b>30</b>	438.48	438.48	438.48	437.90	437.90	437.90	437.90	437.90	437.90
<b>35</b>	410.64	410.64	410.06	410.06	410.06	410.06	410.06	410.06	409.48
<b>40</b>	379.90	379.32	379.32	379.32	379.32	378.74	378.74	378.74	378.74
<b>45</b>	345.68	345.68	345.68	345.10	345.10	345.10	345.10	344.52	344.52
<b>50</b>	309.14	309.14	309.14	308.56	308.56	308.56	307.98	308.56	307.98
<b>55</b>	270.28	270.28	270.28	269.70	269.70	269.70	269.70	269.70	269.70
<b>60</b>	229.68	229.68	229.10	229.10	229.10	228.52	228.52	228.52	228.52

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	187.34	186.76	186.76	186.76	186.18	186.18	186.18	186.18	186.18
<b>70</b>	143.84	143.84	143.26	143.26	143.26	142.68	142.68	142.68	142.68
<b>75</b>	100.92	100.92	100.34	100.34	99.76	99.76	99.76	99.18	99.18
<b>80</b>	60.32	60.32	59.74	59.16	59.16	58.58	58.58	58.58	58.58
<b>85</b>	26.10	26.10	25.52	25.52	24.94	24.94	24.94	24.36	24.36
<b>90</b>	1.16	1.16	1.16	1.16	1.16	1.16	1.16	0.58	0.58
<b>95</b>	18.56	18.56	18.56	18.56	18.56	18.56	18.56	17.98	17.98
<b>100</b>	48.72	48.72	49.30	49.88	49.88	49.88	50.46	49.88	50.46
<b>105</b>	86.42	87.58	88.74	89.90	90.48	91.06	91.64	91.64	91.64
<b>110</b>	132.82	134.56	136.30	138.04	139.20	139.78	140.36	140.94	140.94
<b>115</b>	186.76	189.66	191.98	193.72	194.88	196.04	197.20	197.78	197.78
<b>120</b>	248.24	251.14	254.04	255.78	257.52	259.26	260.42	261.00	261.58
<b>125</b>	314.94	317.84	320.16	322.48	324.22	325.96	327.12	328.28	328.86
<b>130</b>	383.38	386.28	388.60	390.34	392.08	393.24	394.98	396.14	396.72
<b>135</b>	449.50	451.82	453.56	454.72	456.46	458.20	459.94	461.10	461.68
<b>140</b>	509.82	511.56	512.72	513.88	515.04	516.78	518.52	519.68	520.84
<b>145</b>	562.60	563.76	564.92	565.50	567.24	568.40	570.14	571.30	571.88
<b>150</b>	607.26	607.84	609.00	610.16	611.32	613.06	614.22	615.38	615.38
<b>155</b>	643.80	644.96	645.54	646.70	647.86	649.60	650.76	651.34	651.34
<b>160</b>	673.96	675.12	675.70	676.86	678.02	678.60	679.76	680.34	680.34
<b>165</b>	697.74	698.32	698.90	700.06	700.64	701.22	701.80	702.38	702.38
<b>170</b>	715.14	715.72	716.30	716.30	716.88	717.46	717.46	717.46	717.46
<b>175</b>	726.16	726.16	726.16	726.16	726.16	726.74	726.74	726.74	726.74
<b>180</b>	729.64	729.64	729.64	729.64	729.64	729.64	729.64	729.64	729.64

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	190.04	N.A.	5.70
0-30	403.34	N.A.	12.10
0-40	660.40	N.A.	19.80
0-60	1169.21	N.A.	35.10
0-80	1462.04	N.A.	43.90
0-90	1493.3	N.A.	44.90
10-90	1444.12	N.A.	43.40
20-40	470.36	N.A.	14.10
20-50	737.29	N.A.	22.10
40-70	694.21	N.A.	20.90
60-80	292.83	N.A.	8.80
70-80	107.43	N.A.	3.20
80-90	31.26	N.A.	0.90
90-110	115.58	N.A.	3.50
90-120	299.93	N.A.	9.00
90-130	578.69	N.A.	17.40
90-150	1273.17	N.A.	38.20
90-180	1835.95	N.A.	55.10
110-180	1720.38	N.A.	51.70
0-180	3329.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	49.19
10-20	140.85
20-30	213.31
30-40	257.06
40-50	266.93
50-60	241.88
60-70	185.39
70-80	107.44
80-90	31.26
90-100	23.45
100-110	92.13
110-120	184.35
120-130	278.76
130-140	343.62
140-150	350.85
150-160	296.91
160-170	196.93
170-180	68.95

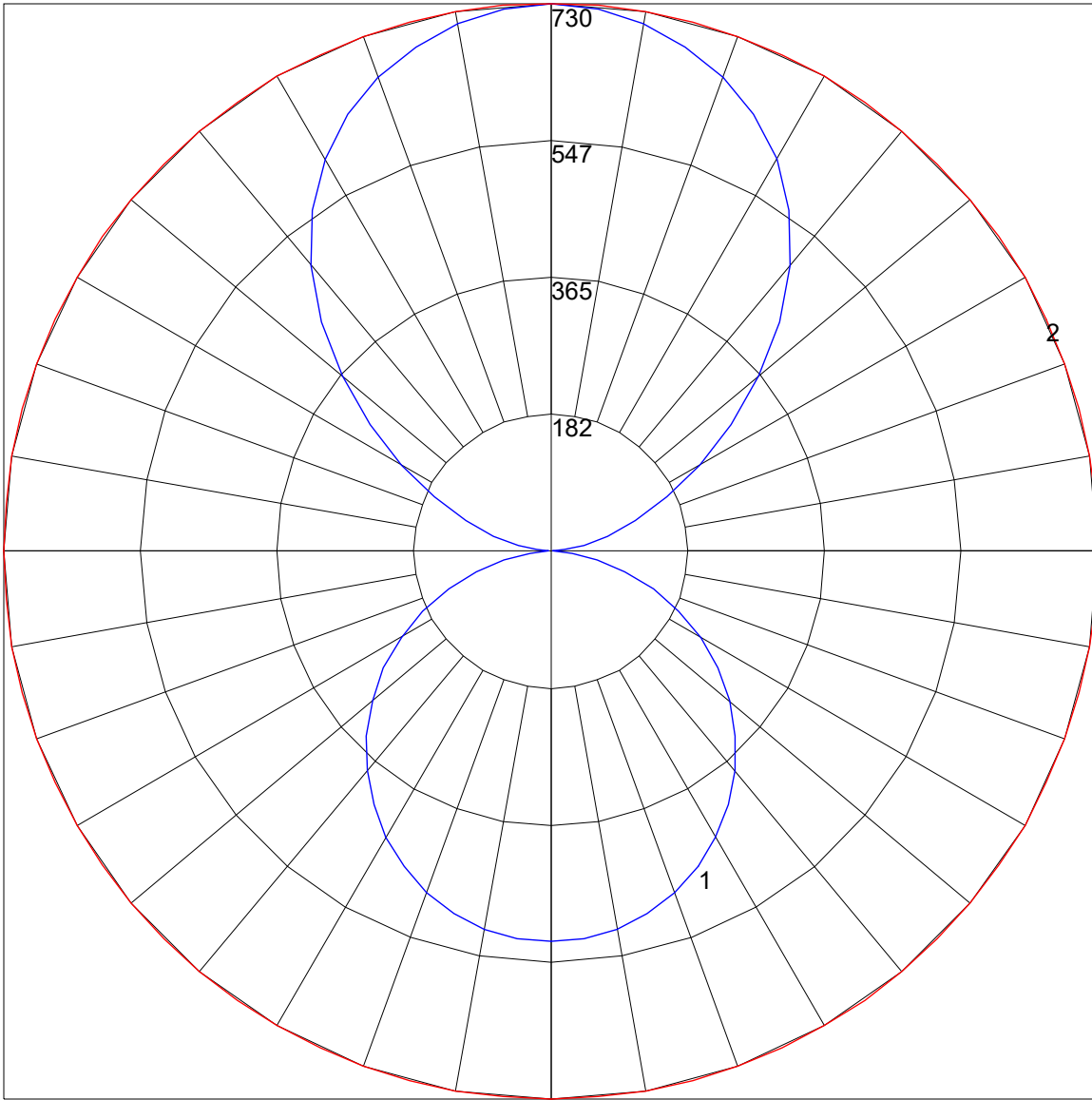
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	51	51	51	45
1	96	92	88	85	88	84	81	78	70	68	66	57	56	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	43	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	44	37	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 729.64 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.)