

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 80 CRI | LO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	82	84	86
Total Lumens, 4' rail length (1219mm)	2441	2518	2569	2621
Lumens per foot (305mm)	610	629	642	655
Lumens per foot UP (305mm)	423	436	445	454
Lumens per foot DOWN (305mm)	187	193	197	201
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\_U2S2\_BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L031805810 (SOURCE REPORT FOR REFERENCE)  
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
 [ISSUEDATE] 4/12/2018  
 [MANUFAC] Vode Lighting  
 [LUMCAT] 707-Z3-CC-Z-LO-35-U2S2-BL  
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
 [MORE] symmetric lens with edgeglow up/60° 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	2569
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
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	944	1861	3440
55	432	916	1866
65	228	473	998
75	131	257	571
85	75	128	272

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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>	636.26	636.26	636.26	636.26	636.26	636.26	636.26	636.26	636.26	636.26
<b>1.0</b>	635.68	635.68	635.68	635.68	635.68	635.68	635.68	635.68	635.68	635.68
<b>3.0</b>	632.20	632.20	632.20	632.20	632.20	632.78	632.78	632.78	632.78	633.36
<b>5.0</b>	624.66	624.66	625.24	625.24	625.82	626.40	626.98	627.56	628.14	628.72
<b>7.0</b>	613.64	613.64	614.22	614.80	615.38	616.54	617.12	618.28	620.02	621.18
<b>9.0</b>	598.56	599.14	599.72	600.30	601.46	603.20	604.94	607.26	609.00	611.32
<b>11.0</b>	579.42	579.42	580.58	581.74	584.06	586.38	589.28	592.18	595.66	598.56
<b>13.0</b>	555.64	556.22	557.38	559.70	562.60	566.08	569.56	574.20	578.84	583.48
<b>15.0</b>	528.38	528.96	530.70	533.60	537.08	541.72	546.94	553.32	559.12	565.50
<b>17.0</b>	496.48	497.06	499.38	502.86	508.08	513.88	520.84	528.38	536.50	544.04
<b>19.5</b>	452.40	453.56	456.46	461.10	466.90	475.02	483.72	493.58	504.02	514.46
<b>22.5</b>	393.82	395.56	399.04	404.84	412.38	422.24	433.26	446.02	459.36	472.12
<b>25.5</b>	333.50	334.66	338.72	345.10	354.38	365.40	378.74	393.24	409.48	426.30
<b>29.0</b>	264.48	265.64	270.28	277.24	286.52	298.70	313.20	330.02	348.58	367.72
<b>33.0</b>	194.30	195.46	199.52	206.48	215.76	227.36	241.86	259.26	278.40	298.70
<b>37.5</b>	131.66	132.82	135.72	141.52	149.64	160.08	172.26	187.92	205.90	225.04
<b>42.5</b>	82.36	82.94	85.84	89.90	95.70	103.24	113.10	125.28	139.78	155.44
<b>47.5</b>	51.04	51.62	53.36	56.26	60.32	65.54	72.50	80.62	91.06	102.66
<b>55.0</b>	25.52	25.52	26.68	27.84	30.16	33.06	36.54	41.18	46.40	52.78
<b>65.0</b>	10.44	10.44	11.02	11.60	12.18	13.34	14.50	16.82	18.56	20.88
<b>75.0</b>	4.06	4.06	4.06	4.64	4.64	5.22	5.80	6.38	6.96	7.54
<b>85.0</b>	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.74	1.74
<b>90.0</b>	7.54	7.54	6.96	6.96	6.96	6.38	5.80	5.22	4.64	4.06
<b>95.0</b>	22.62	22.62	22.04	22.04	22.04	21.46	21.46	20.88	20.30	20.30
<b>100.0</b>	45.82	46.40	46.40	46.40	46.40	46.40	46.40	46.98	46.98	47.56
<b>105.0</b>	76.56	76.56	77.14	77.14	77.72	78.30	79.46	80.62	81.20	82.36
<b>110.0</b>	115.42	115.42	116.00	116.58	117.74	118.90	120.64	122.38	124.12	125.86
<b>115.0</b>	163.56	163.56	164.14	165.30	166.46	168.20	169.94	172.84	175.16	178.06
<b>120.0</b>	219.82	220.40	220.98	222.14	223.88	226.20	228.52	231.42	234.32	237.80
<b>125.0</b>	284.20	284.20	285.36	286.52	288.26	291.16	293.48	296.96	299.86	303.34
<b>130.0</b>	352.64	353.22	353.80	355.54	357.28	359.60	362.50	365.40	368.30	371.20
<b>135.0</b>	421.66	422.24	422.82	423.98	425.72	428.04	429.78	432.10	434.42	436.74
<b>140.0</b>	486.04	486.04	486.62	487.78	488.94	490.10	491.26	493.00	494.16	495.90
<b>145.0</b>	541.14	541.14	541.72	542.30	542.88	543.46	544.04	544.62	545.78	546.36
<b>150.0</b>	586.38	586.38	586.38	586.38	586.96	586.96	587.54	588.12	588.12	588.70
<b>155.0</b>	621.76	621.76	621.76	621.76	622.34	622.34	622.34	622.92	623.50	623.50
<b>160.0</b>	650.18	650.18	650.18	650.18	650.76	650.76	650.76	651.34	651.34	651.92
<b>165.0</b>	672.22	672.22	672.22	672.22	672.22	672.22	672.80	672.80	672.80	672.80
<b>170.0</b>	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30
<b>175.0</b>	695.42	695.42	695.42	696.00	695.42	696.00	696.00	696.00	696.00	696.00
<b>180.0</b>	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90

**Vert. 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>	636.26	636.26	636.26	636.26	636.26	636.26	636.26	636.26	636.26
<b>1.0</b>	635.68	635.68	635.68	635.68	635.68	636.26	635.68	635.68	636.26
<b>3.0</b>	633.36	633.94	633.94	634.52	634.52	634.52	634.52	634.52	634.52
<b>5.0</b>	629.30	629.88	630.46	631.04	631.04	631.62	632.20	632.20	632.20
<b>7.0</b>	622.34	623.50	624.66	625.82	626.98	627.56	628.14	628.72	628.72
<b>9.0</b>	613.64	615.38	617.70	619.44	620.60	621.76	622.92	623.50	623.50
<b>11.0</b>	602.04	604.94	607.84	610.74	612.48	614.80	615.96	616.54	617.12
<b>13.0</b>	588.12	592.18	596.24	600.30	603.20	605.52	607.26	608.42	609.00
<b>15.0</b>	571.88	577.68	582.90	587.54	591.60	595.08	597.40	598.56	599.14

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<b>17.0</b>	552.16	559.70	566.66	573.04	578.26	582.32	585.22	586.96	587.54
<b>19.5</b>	524.90	534.76	543.46	552.16	558.54	563.76	567.82	570.14	570.14
<b>22.5</b>	486.04	499.38	510.98	521.42	530.12	537.08	541.72	544.62	545.78
<b>25.5</b>	442.54	458.78	473.28	486.62	497.06	505.76	511.56	515.04	516.20
<b>29.0</b>	387.44	406.00	423.40	439.06	451.82	462.26	469.80	473.86	475.60
<b>33.0</b>	320.16	341.04	360.76	378.74	393.82	405.42	413.54	418.18	419.92
<b>37.5</b>	245.92	266.80	287.10	305.66	321.32	333.50	342.20	346.84	348.58
<b>42.5</b>	172.84	191.40	208.80	225.62	240.12	251.14	259.26	263.90	265.06
<b>47.5</b>	115.42	129.34	143.26	156.02	167.04	176.32	182.12	185.60	187.34
<b>55.0</b>	59.74	67.28	74.24	81.78	88.16	92.80	96.86	99.18	99.76
<b>65.0</b>	23.78	26.68	29.58	31.90	34.22	36.54	37.70	38.86	39.44
<b>75.0</b>	8.70	9.28	10.44	11.60	12.18	12.76	13.34	13.92	13.92
<b>85.0</b>	1.74	1.74	1.74	2.32	2.32	2.32	2.32	2.32	2.32
<b>90.0</b>	3.48	3.48	2.90	2.32	1.74	1.74	1.16	1.16	0.58
<b>95.0</b>	19.72	19.14	19.14	18.56	17.98	17.98	17.40	17.40	16.82
<b>100.0</b>	47.56	47.56	48.14	48.14	48.14	48.14	48.14	47.56	47.56
<b>105.0</b>	83.52	84.68	85.26	85.84	86.42	87.00	87.00	87.00	87.00
<b>110.0</b>	127.60	129.34	131.08	132.82	133.98	134.56	134.56	134.56	134.56
<b>115.0</b>	180.96	183.28	185.60	187.34	188.50	189.66	189.66	190.24	190.24
<b>120.0</b>	240.70	244.18	246.50	248.82	250.56	251.72	252.30	252.88	252.88
<b>125.0</b>	306.82	309.72	312.04	314.36	316.10	317.84	318.42	319.00	319.00
<b>130.0</b>	374.10	377.00	378.74	380.48	382.22	383.38	383.96	384.54	385.12
<b>135.0</b>	439.06	440.80	441.96	443.70	444.86	445.44	446.60	446.60	447.18
<b>140.0</b>	497.06	498.22	499.38	500.54	501.12	501.70	502.28	502.86	502.86
<b>145.0</b>	546.94	548.10	548.68	549.84	550.42	550.42	551.00	551.00	551.58
<b>150.0</b>	589.28	589.86	591.02	591.02	591.60	591.60	592.18	592.18	592.18
<b>155.0</b>	624.08	624.66	624.66	625.24	625.24	625.24	625.82	625.82	625.82
<b>160.0</b>	651.92	651.92	651.92	652.50	652.50	652.50	652.50	652.50	652.50
<b>165.0</b>	672.80	672.80	672.80	672.80	672.80	672.80	672.80	672.80	672.80
<b>170.0</b>	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.30
<b>175.0</b>	696.00	696.00	696.00	696.00	696.00	696.00	696.00	696.00	696.00
<b>180.0</b>	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90	698.90

**IES INDOOR REPORT**

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	207.48	N.A.	8.10
0-30	395.34	N.A.	15.40
0-40	547.70	N.A.	21.30
0-60	725.96	N.A.	28.30
0-80	780.46	N.A.	30.40
0-90	787.49	N.A.	30.70
10-90	739.24	N.A.	28.80
20-40	340.21	N.A.	13.20
20-50	464.15	N.A.	18.10
40-70	216.64	N.A.	8.40
60-80	54.50	N.A.	2.10
70-80	16.13	N.A.	0.60
80-90	7.04	N.A.	0.30
90-110	113.84	N.A.	4.40
90-120	291.43	N.A.	11.30
90-130	562.41	N.A.	21.90
90-150	1238.45	N.A.	48.20
90-180	1781.63	N.A.	69.30
110-180	1667.79	N.A.	64.90
0-180	2569.13	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.25
10-20	159.23
20-30	187.86
30-40	152.36
40-50	123.94
50-60	54.32
60-70	38.37
70-80	16.13
80-90	7.04
90-100	24.91
100-110	88.93
110-120	177.59
120-130	270.98
130-140	335.07
140-150	340.97
150-160	287.23
160-170	189.80
170-180	66.16

**IES INDOOR REPORT**

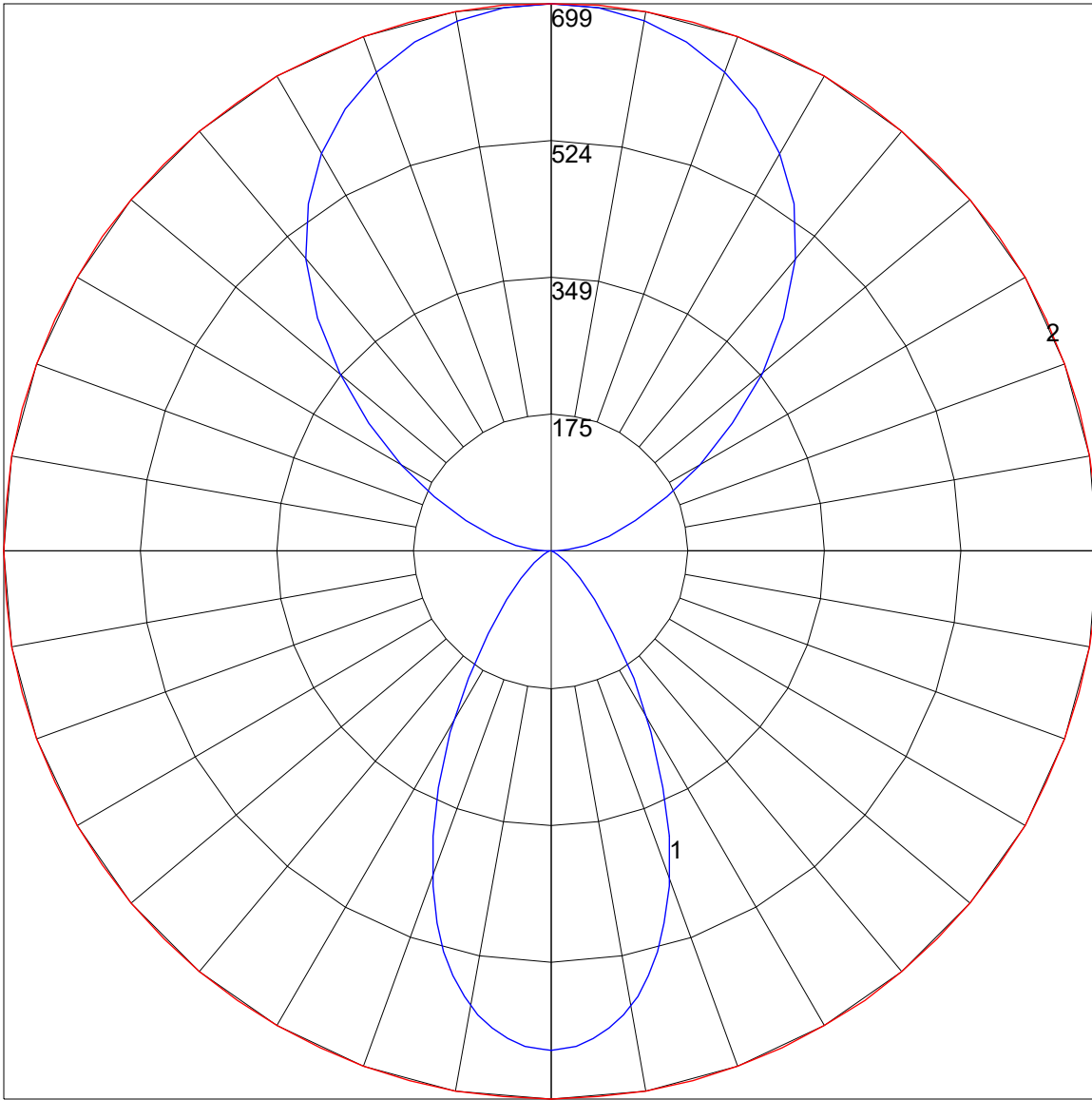
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	38	38	38	31
1	94	90	87	84	85	81	79	76	65	63	61	49	48	47	35	34	34	27
2	87	80	74	70	78	72	68	64	58	55	52	44	42	41	32	31	30	24
3	80	71	65	59	71	64	59	54	52	48	45	40	38	36	29	28	27	22
4	73	64	56	51	66	58	52	47	47	42	39	36	34	31	27	25	24	20
5	68	57	50	44	61	52	46	41	42	38	34	33	30	28	25	23	21	18
6	62	52	44	39	56	47	41	36	38	34	30	30	27	25	23	21	19	16
7	58	47	39	34	52	43	36	32	35	30	27	28	25	22	21	19	18	15
8	54	43	36	31	49	39	33	29	32	28	24	26	23	20	20	18	16	14
9	50	39	32	28	45	36	30	26	30	25	22	24	21	18	18	16	15	13
10	47	36	29	25	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 698.9 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.)