

**IES Report**

**ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 40° Symmetric, down | 80 CRI | LO**

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	74	76	77	79
Total Lumens, 4' rail length (1219mm)	2252	2323	2370	2418
Lumens per foot (305mm)	563	581	593	604
Lumens per foot UP (305mm)	417	430	439	447
Lumens per foot DOWN (305mm)	146	151	154	157
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\_U2S1\_BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L031805808R01 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED FROM NVLAP ACCREDITED LAB  
[ISSUEDATE] 4/12/2018  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z3-CC-Z-LO-35-U2S1-BL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/40° 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	2370
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
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	505	1254	2893
55	196	493	1421
65	101	236	675
75	75	138	380
85	38	85	204

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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>	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32
<b>1.0</b>	552.16	552.16	552.16	552.16	552.16	552.16	552.16	552.16	552.16	552.16
<b>3.0</b>	545.78	546.36	546.36	546.36	546.36	546.94	547.52	548.10	548.10	548.68
<b>5.0</b>	534.18	534.18	534.76	535.34	535.92	537.08	538.24	539.40	540.56	541.72
<b>7.0</b>	517.94	517.94	518.52	519.68	520.84	522.58	524.90	526.64	528.96	531.28
<b>9.0</b>	497.06	497.06	498.22	499.96	501.70	504.60	507.50	510.98	514.46	518.52
<b>11.0</b>	473.86	473.86	475.02	477.34	480.24	483.72	487.20	492.42	497.64	502.86
<b>13.0</b>	447.76	448.34	450.08	452.98	455.88	460.52	465.74	470.96	477.34	484.30
<b>15.0</b>	421.08	421.66	423.98	426.88	430.94	436.16	441.96	448.92	456.46	464.58
<b>17.0</b>	393.24	393.82	396.14	399.62	404.26	410.06	417.02	425.14	433.84	443.70
<b>19.5</b>	356.70	357.86	360.18	364.24	369.46	376.42	384.54	393.82	404.26	415.28
<b>22.5</b>	309.72	310.88	313.78	319.00	325.38	334.08	343.36	354.38	366.56	379.32
<b>25.5</b>	259.84	261.00	264.48	270.28	278.40	288.26	299.28	312.04	326.54	340.46
<b>29.0</b>	200.10	201.26	205.32	211.70	220.40	232.00	244.76	260.42	276.66	293.48
<b>33.0</b>	138.04	139.20	143.26	149.06	157.76	169.36	182.70	198.94	216.34	235.48
<b>37.5</b>	83.52	84.68	87.58	92.80	99.76	109.04	120.64	135.14	152.54	171.68
<b>42.5</b>	45.82	46.40	48.14	51.04	55.68	62.06	70.18	81.20	93.96	109.04
<b>47.5</b>	25.52	25.52	26.68	28.42	30.74	34.80	39.44	46.40	54.52	64.96
<b>55.0</b>	11.60	11.60	12.18	12.76	13.92	15.66	17.40	20.30	23.78	28.42
<b>65.0</b>	4.64	5.22	5.22	5.22	5.80	6.38	6.96	7.54	8.70	10.44
<b>75.0</b>	2.32	2.32	2.32	2.32	2.32	2.32	2.90	2.90	3.48	4.06
<b>85.0</b>	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	1.16
<b>90.0</b>	7.54	7.54	7.54	6.96	6.96	6.38	5.80	5.22	4.64	4.06
<b>95.0</b>	22.04	22.04	22.04	21.46	21.46	20.88	20.88	20.30	20.30	19.72
<b>100.0</b>	45.24	45.24	45.24	45.24	45.24	45.82	45.82	45.82	45.82	46.40
<b>105.0</b>	75.40	75.40	75.40	75.98	76.56	77.14	77.72	78.88	79.46	80.62
<b>110.0</b>	113.68	113.68	114.26	114.84	116.00	117.16	118.32	120.06	121.80	122.96
<b>115.0</b>	160.66	161.24	161.82	162.40	164.14	165.30	167.62	169.94	172.26	174.58
<b>120.0</b>	216.34	216.92	217.50	218.66	220.40	222.14	224.46	227.36	230.26	233.16
<b>125.0</b>	279.56	279.56	280.72	281.88	283.62	285.94	288.26	291.74	294.64	298.12
<b>130.0</b>	346.84	346.84	347.42	349.16	350.90	353.22	356.12	359.02	361.92	364.82
<b>135.0</b>	414.12	414.12	415.28	416.44	418.18	419.92	422.24	424.56	427.46	429.78
<b>140.0</b>	477.92	477.92	478.50	479.08	480.24	481.98	483.72	485.46	486.62	488.36
<b>145.0</b>	532.44	532.44	533.02	533.60	534.18	535.34	535.92	537.08	538.24	538.82
<b>150.0</b>	577.68	577.68	578.26	578.26	578.84	579.42	579.42	580.00	580.58	581.16
<b>155.0</b>	613.64	613.64	613.64	613.64	613.64	614.22	614.22	614.80	615.38	615.96
<b>160.0</b>	641.48	642.06	642.06	642.06	642.06	642.64	642.64	643.22	643.22	643.22
<b>165.0</b>	663.52	663.52	663.52	664.10	664.10	664.10	664.10	664.10	664.10	664.10
<b>170.0</b>	678.60	678.60	678.60	678.60	678.60	678.60	678.60	678.60	678.60	678.60
<b>175.0</b>	687.30	687.30	687.30	687.30	687.30	687.30	687.30	687.88	687.88	687.88
<b>180.0</b>	690.20	690.20	690.20	690.20	690.20	690.20	690.20	690.20	690.20	690.20

**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>0.0</b>	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32	553.32
<b>1.0</b>	552.16	552.74	552.74	552.74	552.74	552.74	552.74	552.74	552.74
<b>3.0</b>	549.26	549.84	550.42	551.00	551.00	551.00	551.58	551.58	551.58
<b>5.0</b>	542.88	544.62	545.78	546.94	547.52	548.68	549.26	549.26	549.26
<b>7.0</b>	534.18	536.50	538.82	541.14	542.88	544.62	545.78	546.36	546.36
<b>9.0</b>	522.00	526.06	530.12	533.60	536.50	538.82	540.56	541.72	542.30
<b>11.0</b>	508.08	513.88	519.10	523.74	528.38	531.86	534.18	535.92	537.08
<b>13.0</b>	491.26	498.80	506.34	512.72	518.52	523.74	527.80	529.54	530.12
<b>15.0</b>	473.28	481.98	491.84	499.96	506.92	512.72	517.94	521.42	522.00

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**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	453.56	464.58	474.44	484.30	493.58	501.70	507.50	510.98	512.14
<b>19.5</b>	426.88	439.06	451.82	464.00	475.02	484.30	491.84	496.48	498.80
<b>22.5</b>	392.66	406.58	421.08	435.58	448.34	460.52	469.80	475.02	477.92
<b>25.5</b>	356.12	371.78	387.44	403.68	418.18	432.10	443.12	449.50	451.24
<b>29.0</b>	310.88	328.28	345.68	361.92	378.16	392.66	405.42	413.54	415.86
<b>33.0</b>	255.20	274.92	293.48	311.46	327.70	342.78	354.96	363.66	368.30
<b>37.5</b>	191.40	211.70	231.42	249.98	265.64	280.72	288.84	300.44	303.34
<b>42.5</b>	127.02	146.16	163.56	180.96	195.46	207.64	218.08	225.04	226.20
<b>47.5</b>	77.14	91.64	105.56	118.90	130.50	140.36	147.90	152.54	154.28
<b>55.0</b>	34.22	40.60	48.14	55.68	62.64	67.86	72.50	74.82	75.98
<b>65.0</b>	12.18	14.50	16.82	19.14	21.46	23.78	25.52	26.68	26.68
<b>75.0</b>	4.64	5.22	5.80	6.96	7.54	8.12	8.70	9.28	9.28
<b>85.0</b>	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.74	1.74
<b>90.0</b>	3.48	2.90	2.90	2.32	1.74	1.16	1.16	0.58	0.58
<b>95.0</b>	19.14	18.56	18.56	17.98	17.40	16.82	16.82	16.24	16.24
<b>100.0</b>	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	45.82
<b>105.0</b>	81.20	82.36	82.94	83.52	84.10	84.68	84.68	84.68	84.68
<b>110.0</b>	125.28	126.44	128.18	129.34	130.50	131.08	131.66	131.66	131.66
<b>115.0</b>	176.90	179.22	181.54	183.28	185.02	185.60	186.76	186.76	186.76
<b>120.0</b>	236.06	238.96	241.86	244.18	245.92	247.08	248.24	248.24	248.82
<b>125.0</b>	301.02	304.50	306.82	309.14	310.88	312.62	313.20	314.36	314.36
<b>130.0</b>	368.30	370.62	372.94	375.26	377.00	378.16	379.32	379.90	379.90
<b>135.0</b>	432.10	433.84	435.58	437.32	439.06	440.22	440.80	441.38	441.38
<b>140.0</b>	490.10	491.26	492.42	494.16	494.74	495.32	495.90	496.48	497.06
<b>145.0</b>	539.98	540.56	541.72	542.88	543.46	543.46	544.04	544.62	544.62
<b>150.0</b>	581.74	582.90	583.48	584.06	584.06	584.64	584.64	585.22	585.22
<b>155.0</b>	616.54	616.54	617.12	617.12	617.12	617.70	617.70	617.70	618.28
<b>160.0</b>	643.80	643.80	643.80	643.80	643.80	644.38	644.38	644.38	644.38
<b>165.0</b>	664.10	664.10	664.10	664.68	664.68	664.68	664.68	664.68	664.68
<b>170.0</b>	678.60	678.60	679.18	679.18	679.18	679.18	679.18	679.18	679.18
<b>175.0</b>	687.88	687.88	687.88	687.88	687.88	687.88	687.88	687.88	687.88
<b>180.0</b>	690.20	690.20	690.20	690.20	690.20	690.20	690.20	690.20	690.20

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	173.86	N.A.	7.30
0-30	327.40	N.A.	13.80
0-40	449.04	N.A.	18.90
0-60	578.45	N.A.	24.40
0-80	611.26	N.A.	25.80
0-90	615.77	N.A.	26.00
10-90	574.34	N.A.	24.20
20-40	275.18	N.A.	11.60
20-50	367.87	N.A.	15.50
40-70	152.95	N.A.	6.50
60-80	32.81	N.A.	1.40
70-80	9.27	N.A.	0.40
80-90	4.51	N.A.	0.20
90-110	111.19	N.A.	4.70
90-120	285.53	N.A.	12.00
90-130	551.98	N.A.	23.30
90-150	1218.09	N.A.	51.40
90-180	1754.4	N.A.	74.00
110-180	1643.22	N.A.	69.30
0-180	2370.17	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	41.43
10-20	132.43
20-30	153.54
30-40	121.64
40-50	92.70
50-60	36.72
60-70	23.54
70-80	9.27
80-90	4.51
90-100	24.24
100-110	86.95
110-120	174.34
120-130	266.46
130-140	329.88
140-150	336.23
150-160	283.54
160-170	187.42
170-180	65.36

**IES INDOOR REPORT**

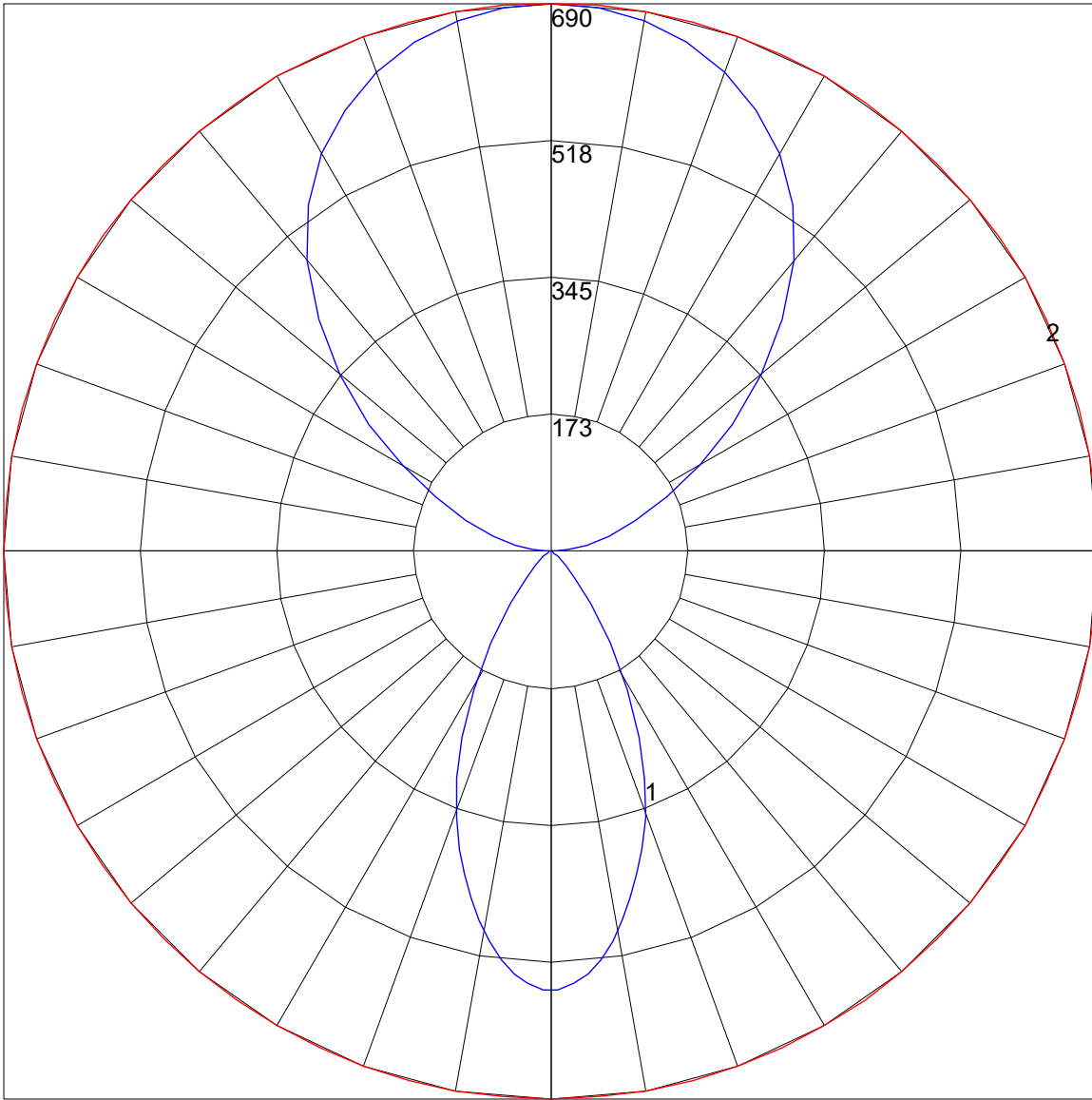
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	93	89	86	83	83	80	77	75	62	61	59	46	45	44	31	31	30	23
2	86	79	74	69	76	71	66	63	56	53	50	42	40	38	29	28	27	21
3	79	70	64	58	70	63	58	53	50	46	43	38	35	33	26	25	24	19
4	72	63	56	50	65	57	51	46	45	41	38	34	31	29	24	23	21	17
5	67	56	49	44	60	51	45	40	41	36	33	31	28	26	22	21	19	16
6	62	51	43	38	55	46	40	35	37	32	29	28	26	23	21	19	18	14
7	57	46	39	34	51	42	36	31	34	29	26	26	23	21	19	17	16	13
8	53	42	35	30	48	38	32	28	31	27	23	24	21	19	18	16	15	12
9	50	38	32	27	45	35	29	25	28	24	21	22	19	17	17	15	13	11
10	46	35	29	24	42	32	26	23	26	22	19	21	18	16	15	14	12	10

POLAR GRAPH



Maximum Candela = 690.2 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.)