

**IES Report**

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	108
Total Lumens, 4' rail length (1219mm)	3093	3190	3255	3320
Lumens per foot (305mm)	773	798	814	830
Lumens per foot UP (305mm)	441	455	464	473
Lumens per foot DOWN (305mm)	332	343	350	357
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\_U2S7\_AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L031805806R01 (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-U2S7-AL  
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,  
[MORE] symmetric lens with edgeglow up/80° symmetric 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	3255
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	30.81
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)	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	3792	5047	5244
55	2021	3251	3700
65	1165	1931	2553
75	727	1147	1759
85	301	426	884

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>
0.0	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
1.0	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
3.0	708.18	708.18	708.18	708.18	708.18	708.18	708.18	708.18	708.18	708.18
5.0	705.86	705.86	705.86	705.86	706.44	706.44	706.44	706.44	706.44	706.44
7.0	702.96	702.96	702.96	702.96	702.96	702.96	703.54	703.54	703.54	703.54
9.0	698.32	698.32	698.32	698.90	698.90	698.90	698.90	699.48	699.48	699.48
11.0	693.10	693.10	693.10	693.10	693.68	693.68	693.68	694.26	694.26	694.84
13.0	686.14	686.14	686.14	686.14	686.72	687.30	687.30	687.88	687.88	688.46
15.0	677.44	678.02	678.02	678.02	678.60	679.18	679.76	680.34	680.34	680.92
17.0	667.58	668.16	668.16	668.74	669.32	669.90	670.48	671.06	671.64	672.22
19.5	653.08	653.08	653.66	654.24	654.82	655.98	657.14	657.72	658.30	658.88
22.5	630.46	631.04	631.62	632.78	633.94	635.68	636.84	638.00	639.16	640.32
25.5	602.62	603.20	604.36	605.52	607.84	610.16	612.48	614.22	615.96	617.12
29.0	560.86	561.44	563.18	566.08	569.56	573.04	576.52	580.00	582.32	584.06
33.0	500.54	501.70	504.60	508.66	514.46	520.26	526.06	531.28	535.34	538.24
37.5	417.60	419.34	423.40	429.20	437.32	446.02	455.30	464.00	470.38	475.60
42.5	315.52	317.26	322.48	330.02	339.88	351.48	363.66	375.84	386.28	393.82
47.5	220.40	222.14	226.78	234.32	244.76	256.94	269.70	283.62	296.38	306.24
55.0	119.48	120.06	123.54	128.76	135.72	144.42	154.86	165.88	177.48	187.34
65.0	53.36	53.94	55.10	56.84	59.74	63.80	68.44	73.66	79.46	85.26
75.0	22.62	23.20	23.20	23.78	24.94	26.10	27.26	29.00	31.32	33.64
85.0	4.64	4.64	4.64	4.64	4.64	5.22	5.22	5.22	5.80	5.80
90.0	8.70	8.70	8.70	8.12	8.12	7.54	6.96	6.38	5.80	5.22
95.0	23.78	23.78	23.78	23.78	23.20	23.20	22.62	22.04	22.04	21.46
100.0	49.88	49.88	49.88	49.88	49.88	49.88	49.88	49.88	49.88	49.88
105.0	81.78	82.36	82.36	82.94	82.94	83.52	84.10	84.68	85.84	86.42
110.0	122.96	123.54	123.54	124.12	125.28	126.44	127.60	128.76	130.50	131.66
115.0	173.42	173.42	174.00	175.16	176.32	178.06	179.80	181.54	183.86	186.18
120.0	232.00	232.58	233.16	234.32	235.48	237.80	239.54	242.44	245.34	247.66
125.0	298.12	298.70	299.28	300.44	302.18	304.50	306.82	309.72	312.62	316.10
130.0	368.88	368.88	370.04	371.20	372.94	375.26	377.58	380.48	383.38	386.28
135.0	439.06	439.64	440.22	441.38	443.12	444.86	447.18	449.50	451.82	454.14
140.0	505.18	505.76	506.34	506.92	508.08	509.24	510.98	512.72	514.46	515.62
145.0	563.18	563.18	563.18	563.76	564.34	565.50	566.08	567.24	567.82	568.98
150.0	610.16	610.16	610.16	610.74	610.74	611.32	611.90	611.90	612.48	613.06
155.0	647.28	647.28	647.86	647.86	647.86	647.86	648.44	648.44	649.02	649.02
160.0	676.86	676.86	676.86	676.86	677.44	677.44	678.02	678.02	678.02	678.60
165.0	699.48	699.48	699.48	699.48	699.48	699.48	699.48	699.48	700.06	700.06
170.0	715.14	714.56	715.14	715.14	715.14	715.14	715.14	715.14	715.14	715.14
175.0	723.84	723.84	723.84	723.84	723.84	724.42	723.84	724.42	724.42	724.42
180.0	727.32	727.32	727.32	727.32	727.32	727.32	727.32	727.32	727.32	727.32

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>
0.0	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
1.0	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34	709.34
3.0	708.18	708.18	708.18	708.18	708.18	708.18	708.76	708.76	708.76
5.0	706.44	706.44	706.44	706.44	706.44	706.44	706.44	706.44	706.44
7.0	703.54	703.54	703.54	703.54	704.12	704.12	704.12	704.12	704.12
9.0	699.48	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.06
11.0	694.84	694.84	694.84	695.42	695.42	695.42	695.42	695.42	695.42
13.0	688.46	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.62
15.0	680.92	681.50	681.50	682.08	682.08	682.08	682.08	682.08	682.08

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S7\_AL.IES****CANDELA TABULATION - (Cont.)**

<b>17.0</b>	672.22	672.80	672.80	672.80	672.80	672.80	672.80	672.80	672.80
<b>19.5</b>	659.46	659.46	660.04	660.04	659.46	659.46	659.46	659.46	659.46
<b>22.5</b>	640.32	640.90	640.90	640.32	640.32	639.74	639.16	639.16	639.16
<b>25.5</b>	617.70	617.70	617.70	617.12	615.96	615.38	614.80	614.22	614.22
<b>29.0</b>	585.22	585.22	584.64	583.48	582.32	581.16	580.00	579.42	579.42
<b>33.0</b>	539.98	539.98	539.40	537.66	535.92	533.60	532.44	531.28	530.70
<b>37.5</b>	478.50	479.08	478.50	476.18	473.28	470.38	468.06	466.90	465.74
<b>42.5</b>	399.04	400.78	400.20	397.88	394.40	391.50	388.60	386.28	385.70
<b>47.5</b>	313.78	317.26	317.26	315.52	312.62	309.14	306.82	304.50	303.92
<b>55.0</b>	195.46	200.68	203.00	203.58	202.42	200.68	198.94	197.78	197.78
<b>65.0</b>	90.48	94.54	98.02	99.76	100.92	101.50	101.50	100.92	100.92
<b>75.0</b>	35.96	37.70	39.44	41.18	41.76	42.34	42.92	42.92	42.92
<b>85.0</b>	6.38	6.38	6.96	7.54	7.54	7.54	7.54	7.54	7.54
<b>90.0</b>	4.64	4.06	3.48	2.32	2.32	1.74	1.16	0.58	0.58
<b>95.0</b>	20.88	20.30	19.72	19.14	18.56	17.98	17.98	17.40	16.82
<b>100.0</b>	49.88	49.88	49.88	49.30	49.30	49.30	48.72	48.72	48.72
<b>105.0</b>	87.00	88.16	88.74	89.32	89.32	89.90	89.90	89.90	89.90
<b>110.0</b>	133.40	135.14	136.30	137.46	138.62	138.62	139.20	139.20	139.20
<b>115.0</b>	188.50	190.24	192.56	194.30	195.46	196.04	196.62	197.20	197.20
<b>120.0</b>	250.56	253.46	255.78	258.10	259.84	261.00	261.58	262.16	262.16
<b>125.0</b>	319.00	321.90	324.22	326.54	328.28	329.44	330.60	330.60	331.18
<b>130.0</b>	389.18	391.50	393.82	395.56	397.30	398.46	399.04	399.62	399.62
<b>135.0</b>	456.46	458.20	459.94	461.10	462.84	463.42	464.00	464.58	464.58
<b>140.0</b>	517.36	517.94	519.10	520.26	521.42	522.00	522.58	522.58	523.16
<b>145.0</b>	569.56	570.14	571.30	571.88	572.46	572.46	573.04	573.62	573.62
<b>150.0</b>	613.64	614.22	614.80	614.80	615.38	615.38	615.96	615.96	615.96
<b>155.0</b>	649.60	650.18	650.18	650.18	650.76	650.76	651.34	651.34	651.34
<b>160.0</b>	678.60	678.60	678.60	678.60	678.60	679.18	679.18	679.18	679.18
<b>165.0</b>	700.06	700.06	700.06	700.06	700.06	700.06	700.06	700.64	700.64
<b>170.0</b>	715.14	715.14	715.14	715.14	715.14	715.14	715.14	715.72	715.72
<b>175.0</b>	724.42	724.42	724.42	724.42	724.42	724.42	724.42	724.42	724.42
<b>180.0</b>	727.32	727.32	727.32	727.32	727.32	727.32	727.32	727.32	727.32

**IES INDOOR REPORT**

PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S7\_AL.IES

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	246.75	N.A.	7.60
0-30	511.26	N.A.	15.70
0-40	776.27	N.A.	23.80
0-60	1195.44	N.A.	36.70
0-80	1374.49	N.A.	42.20
0-90	1398.77	N.A.	43.00
10-90	1344.27	N.A.	41.30
20-40	529.52	N.A.	16.30
20-50	802.71	N.A.	24.70
40-70	539.32	N.A.	16.60
60-80	179.05	N.A.	5.50
70-80	58.90	N.A.	1.80
80-90	24.27	N.A.	0.70
90-110	119.66	N.A.	3.70
90-120	305.44	N.A.	9.40
90-130	587.89	N.A.	18.10
90-150	1291.24	N.A.	39.70
90-180	1856.57	N.A.	57.00
110-180	1736.9	N.A.	53.40
0-180	3255.33	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.49
10-20	192.25
20-30	264.51
30-40	265.01
40-50	273.19
50-60	145.98
60-70	120.15
70-80	58.90
80-90	24.27
90-100	26.32
100-110	93.34
110-120	185.77
120-130	282.46
130-140	348.60
140-150	354.75
150-160	298.98
160-170	197.51
170-180	68.84

**IES INDOOR REPORT**

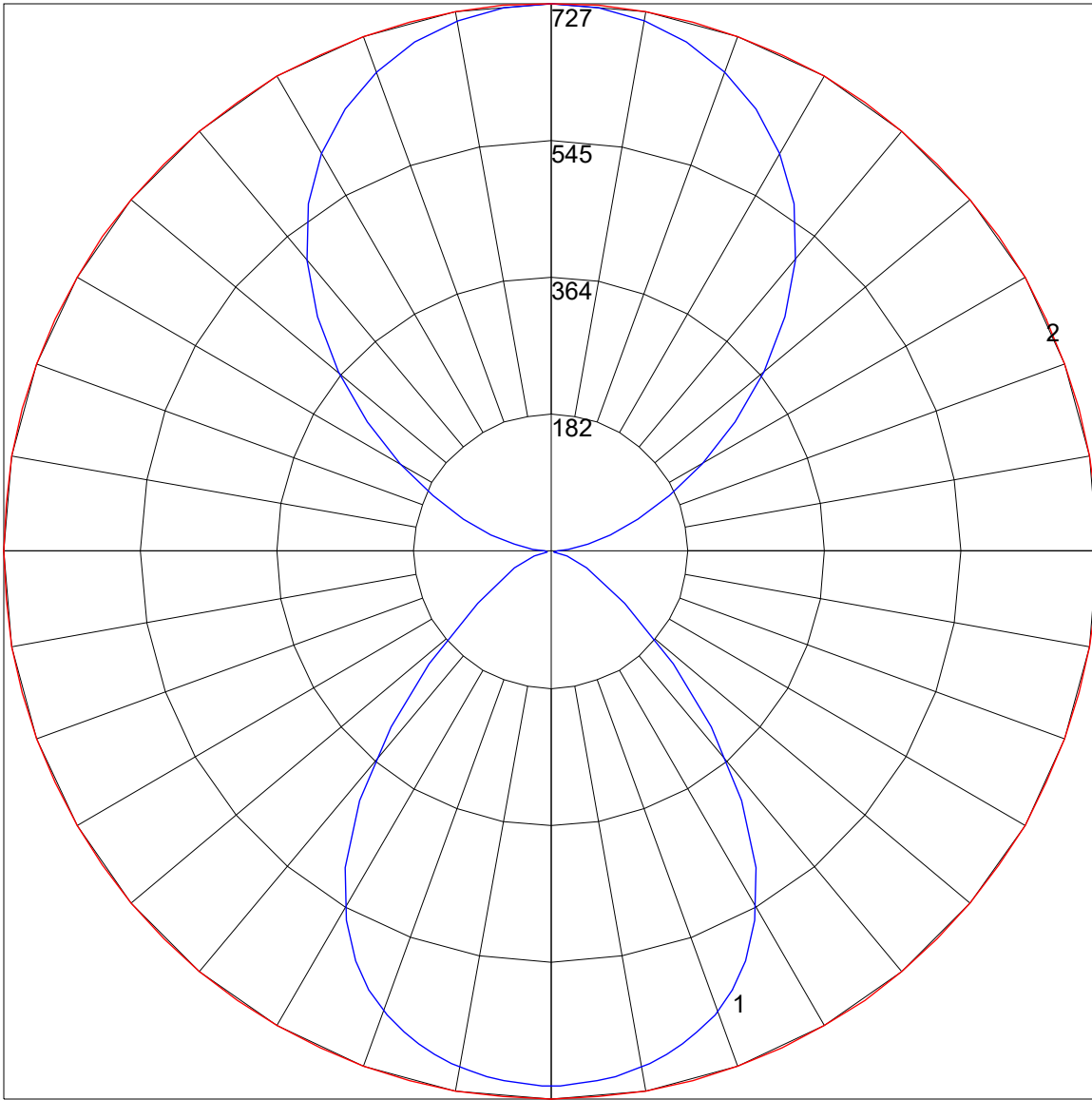
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S7\_AL.IES**

**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	105	105	105	105	96	96	96	96	79	79	79	64	64	64	50	50	50	43
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	45	44	43	37
2	88	81	76	71	81	75	70	66	62	59	56	51	48	46	40	38	37	32
3	81	72	65	60	74	66	60	55	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	52	47	49	45	41	41	37	34	32	30	28	24
5	68	57	50	44	62	53	46	41	45	39	36	37	33	30	29	27	25	21
6	63	52	44	38	58	48	41	36	40	35	31	33	30	27	27	24	22	19
7	59	47	39	34	53	43	36	32	37	31	28	30	27	24	25	22	20	17
8	54	43	35	30	50	39	33	28	34	28	25	28	24	21	23	20	18	16
9	51	39	32	27	46	36	30	25	31	26	22	26	22	19	21	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	24	20	17	20	17	15	13

POLAR GRAPH



Maximum Candela = 727.32 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.)