

**IES Report**

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	88	90	92	94
Total Lumens, 4' rail length (1219mm)	2686	2771	2827	2884
Lumens per foot (305mm)	672	693	707	721
Lumens per foot UP (305mm)	444	458	467	476
Lumens per foot DOWN (305mm)	228	235	240	245
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\_U1S1\_AL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L031805801R01 (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-359-U1S1-AL  
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,  
 [MORE] symmetric lens up/40° 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	2827
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
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	1309	2295	4847
55	893	1459	3310
65	722	1038	2216
75	560	752	1498
85	263	341	748

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U1S1\_AL.IES**

**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>	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26
<b>1.0</b>	693.68	693.68	693.68	693.68	693.68	693.68	694.26	694.26	694.26	694.26
<b>3.0</b>	688.46	688.46	688.46	688.46	688.46	689.04	689.04	689.62	690.20	690.78
<b>5.0</b>	676.86	677.44	677.44	678.02	678.60	679.76	680.92	681.50	682.66	683.82
<b>7.0</b>	660.62	661.20	661.78	662.94	664.10	665.84	667.58	669.90	671.64	673.96
<b>9.0</b>	639.74	639.74	640.90	642.64	644.38	647.28	650.18	653.66	657.14	660.62
<b>11.0</b>	613.06	613.64	615.38	617.70	620.60	624.66	628.72	633.94	639.16	644.96
<b>13.0</b>	582.90	583.48	585.22	588.70	592.76	597.98	603.78	610.74	617.70	625.24
<b>15.0</b>	548.68	549.26	551.58	555.64	560.86	567.82	575.36	584.06	593.92	603.20
<b>17.0</b>	511.56	512.14	515.04	519.68	526.64	534.76	544.04	554.48	566.08	578.26
<b>19.5</b>	461.68	462.84	466.32	472.12	479.66	489.52	501.12	514.46	528.38	542.88
<b>22.5</b>	400.20	401.36	405.42	411.80	421.08	432.68	446.60	461.68	479.08	496.48
<b>25.5</b>	338.72	340.46	344.52	352.06	361.92	374.68	389.76	407.16	426.88	447.76
<b>29.0</b>	272.60	273.76	278.40	285.94	296.38	309.14	324.80	343.36	365.40	388.02
<b>33.0</b>	207.64	208.80	212.86	219.82	229.68	241.86	256.94	275.50	296.38	320.16
<b>37.5</b>	150.80	151.96	155.44	160.66	168.78	179.22	192.56	208.80	227.94	249.98
<b>42.5</b>	106.72	107.30	110.20	114.26	120.06	128.18	138.04	150.80	166.46	184.44
<b>47.5</b>	78.30	78.88	80.62	82.94	87.58	92.80	100.34	109.04	120.64	133.98
<b>55.0</b>	52.78	53.36	53.94	55.68	57.42	60.90	64.38	69.60	75.98	84.10
<b>65.0</b>	33.06	33.06	33.64	34.22	34.80	35.96	37.70	40.02	42.34	45.82
<b>75.0</b>	17.40	17.40	17.40	17.98	17.98	18.56	19.14	19.72	20.88	22.04
<b>85.0</b>	4.06	4.06	4.06	4.06	4.06	4.64	4.64	4.64	4.64	4.64
<b>90.0</b>	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
<b>95.0</b>	15.08	15.08	15.08	15.66	15.66	15.66	15.66	15.66	16.24	16.24
<b>100.0</b>	40.60	41.18	41.18	41.18	41.76	42.34	43.50	44.08	45.24	45.82
<b>105.0</b>	75.98	75.98	76.56	77.14	78.30	78.88	80.62	81.78	82.94	84.68
<b>110.0</b>	119.48	120.06	120.06	121.22	122.38	124.12	125.28	127.60	129.34	131.66
<b>115.0</b>	171.10	171.68	172.26	173.42	175.16	176.90	178.64	180.96	183.86	186.76
<b>120.0</b>	230.84	231.42	232.00	233.16	234.90	237.22	240.12	243.02	245.92	248.82
<b>125.0</b>	297.54	298.12	298.70	300.44	302.18	304.50	307.40	310.30	313.78	317.26
<b>130.0</b>	368.30	368.88	369.46	371.20	372.94	375.26	378.16	381.64	385.12	388.02
<b>135.0</b>	439.64	440.22	440.80	442.54	444.28	446.60	448.92	451.24	454.14	457.04
<b>140.0</b>	507.50	507.50	508.08	509.24	510.98	512.72	514.46	516.20	517.94	519.68
<b>145.0</b>	567.24	567.24	567.82	568.40	568.98	570.14	571.30	572.46	573.62	574.78
<b>150.0</b>	616.54	616.54	616.54	617.12	617.12	617.70	618.28	618.86	619.44	620.60
<b>155.0</b>	655.40	655.40	655.98	655.98	655.98	656.56	656.56	657.14	657.72	658.30
<b>160.0</b>	686.72	686.72	686.72	686.72	686.72	687.30	687.30	687.88	687.88	688.46
<b>165.0</b>	710.50	710.50	710.50	710.50	710.50	711.08	711.08	711.66	711.66	712.24
<b>170.0</b>	727.90	727.90	728.48	728.48	728.48	728.48	729.06	729.06	729.06	729.64
<b>175.0</b>	740.08	740.08	740.08	740.08	740.08	740.08	740.08	740.08	740.66	740.66
<b>180.0</b>	744.14	744.14	744.14	744.14	744.14	744.14	744.14	744.14	744.14	744.14

**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>	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26
<b>1.0</b>	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26	694.26
<b>3.0</b>	691.36	691.94	691.94	692.52	692.52	693.10	693.10	693.10	693.10
<b>5.0</b>	684.98	686.72	687.88	688.46	689.62	690.20	690.78	690.78	690.78
<b>7.0</b>	676.86	678.60	680.92	682.66	684.40	686.14	686.72	687.88	687.88
<b>9.0</b>	664.68	668.74	672.22	675.12	678.02	680.34	682.08	683.24	683.24
<b>11.0</b>	650.18	655.98	661.20	665.84	669.90	673.38	675.70	676.86	677.44
<b>13.0</b>	633.36	640.32	647.86	654.24	659.46	664.10	667.58	669.90	670.48
<b>15.0</b>	613.06	622.92	632.20	640.32	647.86	653.66	657.72	660.62	661.78

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U1S1\_AL.IES****CANDELA TABULATION - (Cont.)**

<b>17.0</b>	590.44	602.62	613.64	624.66	633.36	641.48	646.70	650.18	651.34
<b>19.5</b>	558.54	573.62	588.12	602.04	613.06	622.92	630.46	634.52	636.26
<b>22.5</b>	516.20	534.76	553.32	570.14	584.64	597.40	606.68	612.48	614.22
<b>25.5</b>	469.80	491.84	513.88	534.18	552.16	566.66	578.84	585.80	588.12
<b>29.0</b>	412.96	438.48	462.84	486.62	508.08	526.64	539.98	548.68	551.58
<b>33.0</b>	346.26	373.52	400.78	428.04	452.40	473.28	488.94	498.22	502.28
<b>37.5</b>	274.92	301.60	329.44	357.86	383.38	406.00	422.82	433.26	437.32
<b>42.5</b>	205.90	229.10	254.62	280.72	305.08	326.54	343.94	354.38	358.44
<b>47.5</b>	150.22	168.78	189.08	211.12	231.42	250.56	265.64	274.92	278.98
<b>55.0</b>	93.96	104.98	117.16	131.08	144.42	156.60	167.62	174.00	176.90
<b>65.0</b>	49.88	55.10	60.32	66.70	72.50	78.30	82.94	86.42	87.58
<b>75.0</b>	23.20	24.94	26.68	29.00	31.32	33.06	34.80	35.96	36.54
<b>85.0</b>	5.22	5.22	5.22	5.80	5.80	5.80	6.38	6.38	6.38
<b>90.0</b>	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
<b>95.0</b>	16.24	16.24	16.82	17.40	17.40	17.40	17.40	17.40	17.40
<b>100.0</b>	46.98	47.56	48.14	48.72	49.30	49.88	49.88	49.88	49.88
<b>105.0</b>	85.84	87.58	88.74	89.90	90.48	91.06	91.64	91.64	91.64
<b>110.0</b>	133.40	135.72	137.46	139.20	140.36	141.52	142.10	142.10	142.10
<b>115.0</b>	189.66	191.98	194.30	196.62	197.78	198.94	200.10	200.68	200.68
<b>120.0</b>	252.30	255.78	258.10	260.42	262.74	263.90	265.06	265.64	266.22
<b>125.0</b>	320.74	324.22	327.12	329.44	331.18	332.92	334.08	335.24	335.24
<b>130.0</b>	391.50	394.40	396.72	399.04	400.20	401.94	403.68	404.84	405.42
<b>135.0</b>	459.36	461.68	463.42	465.16	466.90	468.64	469.80	470.96	471.54
<b>140.0</b>	521.42	523.16	524.32	526.06	527.22	528.38	530.12	531.28	531.86
<b>145.0</b>	575.36	576.52	577.68	578.84	580.00	581.74	582.90	584.06	584.64
<b>150.0</b>	621.18	621.76	622.92	624.08	625.24	626.40	627.56	628.14	628.72
<b>155.0</b>	658.88	659.46	660.04	661.20	662.36	663.52	664.10	664.68	665.26
<b>160.0</b>	689.04	689.62	690.20	691.36	691.94	693.10	693.68	694.26	694.26
<b>165.0</b>	712.82	713.40	713.98	714.56	715.14	715.72	716.30	716.30	716.30
<b>170.0</b>	730.22	730.22	730.80	730.80	731.38	731.96	731.96	731.96	731.96
<b>175.0</b>	740.66	740.66	740.66	740.66	741.24	741.24	741.24	741.24	741.24
<b>180.0</b>	744.14	744.14	744.14	744.14	744.14	744.14	744.14	744.14	744.14

**IES INDOOR REPORT**

PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U1S1\_AL.IES

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	223.04	N.A.	7.90
0-30	424.09	N.A.	15.00
0-40	594.23	N.A.	21.00
0-60	831.20	N.A.	29.40
0-80	942.78	N.A.	33.30
0-90	960.12	N.A.	34.00
10-90	907.69	N.A.	32.10
20-40	371.19	N.A.	13.10
20-50	526.49	N.A.	18.60
40-70	308.90	N.A.	10.90
60-80	111.58	N.A.	3.90
70-80	39.65	N.A.	1.40
80-90	17.34	N.A.	0.60
90-110	112.61	N.A.	4.00
90-120	298.88	N.A.	10.60
90-130	582.74	N.A.	20.60
90-150	1292.41	N.A.	45.70
90-180	1867.37	N.A.	66.00
110-180	1754.77	N.A.	62.10
0-180	2827.5	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	52.43
10-20	170.61
20-30	201.05
30-40	170.14
40-50	155.30
50-60	81.67
60-70	71.93
70-80	39.65
80-90	17.34
90-100	21.46
100-110	91.15
110-120	186.27
120-130	283.86
130-140	350.96
140-150	358.70
150-160	303.47
160-170	201.15
170-180	70.35

**IES INDOOR REPORT**

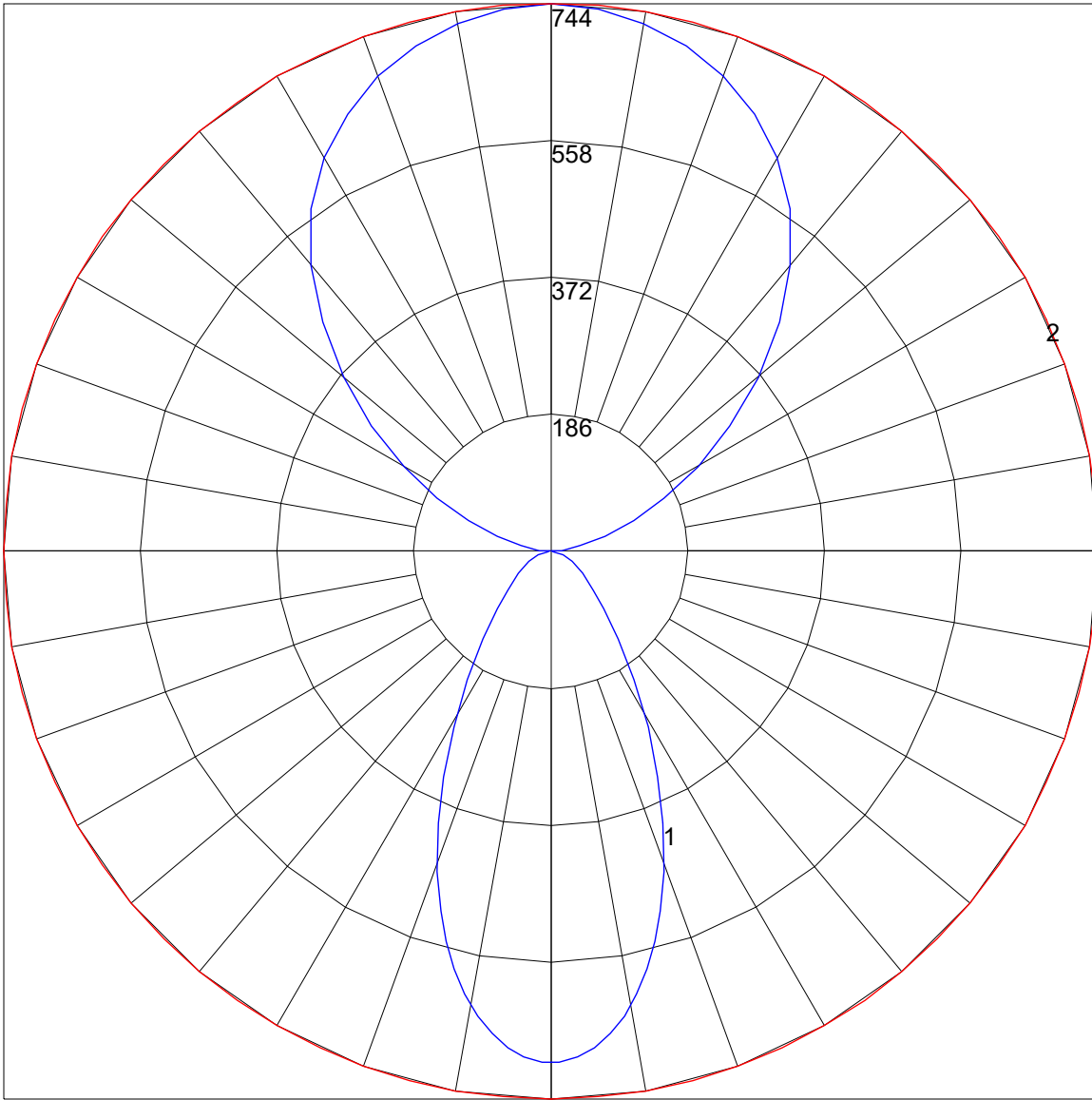
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U1S1\_AL.IES**

**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	103	103	103	103	93	93	93	93	74	74	74	57	57	57	41	41	41	34
1	95	91	87	84	85	82	79	76	66	64	62	51	50	49	37	37	36	30
2	87	80	74	70	78	72	68	64	58	55	52	46	43	42	34	32	31	26
3	80	71	64	59	72	64	59	54	52	48	45	41	38	36	30	29	27	23
4	73	63	56	50	66	58	51	46	47	42	39	37	34	31	28	26	24	20
5	67	57	49	44	61	52	45	40	42	38	34	34	30	28	25	23	22	18
6	62	51	44	38	56	47	40	35	38	34	30	31	27	25	23	21	20	16
7	58	46	39	34	52	42	36	31	35	30	27	28	25	22	22	19	18	15
8	54	42	35	30	49	39	32	28	32	27	24	26	23	20	20	18	16	14
9	50	39	32	27	45	36	29	25	30	25	22	24	21	18	19	16	15	13
10	47	36	29	24	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 744.14 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.)