

**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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	89	92	94	96
Total Lumens, 4' rail length (1219mm)	2732	2818	2876	2933
Lumens per foot (305mm)	683	705	719	733
Lumens per foot UP (305mm)	422	435	444	453
Lumens per foot DOWN (305mm)	261	269	275	280
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\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805812 (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-BL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,

[MORE] symmetric lens with edgeglow up/80° 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	2876
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
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	3181	3909	3577
55	1481	2214	2007
65	671	1104	1115
75	317	554	666
85	113	213	340

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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>	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00
<b>1.0</b>	637.42	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00
<b>3.0</b>	636.84	636.84	636.84	636.84	636.84	636.84	636.84	636.84	636.84	636.84
<b>5.0</b>	634.52	634.52	634.52	634.52	634.52	634.52	634.52	634.52	634.52	634.52
<b>7.0</b>	631.04	631.04	631.04	631.04	631.04	631.04	631.04	631.04	631.04	631.04
<b>9.0</b>	626.40	626.40	626.40	626.40	626.40	626.40	626.40	626.40	626.40	625.82
<b>11.0</b>	620.60	620.60	620.60	620.60	620.60	620.60	620.60	620.02	620.60	620.02
<b>13.0</b>	613.06	613.64	613.06	613.06	613.06	613.06	613.06	613.06	613.06	613.06
<b>15.0</b>	604.94	604.94	604.94	604.94	604.94	604.94	604.94	604.36	604.36	604.36
<b>17.0</b>	595.08	595.08	595.08	595.08	595.08	595.08	595.08	594.50	594.50	594.50
<b>19.5</b>	580.00	580.00	580.00	580.00	580.00	580.58	580.58	580.58	580.00	579.42
<b>22.5</b>	557.38	557.96	557.96	558.54	559.12	559.12	559.12	559.12	559.12	558.54
<b>25.5</b>	530.12	530.70	530.70	531.86	532.44	533.60	534.18	534.18	534.18	533.60
<b>29.0</b>	490.68	491.26	492.42	493.58	495.32	497.06	498.22	499.38	499.38	498.80
<b>33.0</b>	435.58	436.16	437.32	440.22	443.70	446.60	449.50	451.24	451.82	451.82
<b>37.5</b>	360.18	360.76	363.66	367.72	372.36	378.16	382.80	386.86	389.18	389.18
<b>42.5</b>	267.96	269.12	272.60	277.82	284.78	292.32	299.28	305.08	309.72	311.46
<b>47.5</b>	181.54	182.70	186.18	191.40	198.36	206.48	214.60	222.14	227.94	230.84
<b>55.0</b>	87.58	88.16	90.48	94.54	99.18	105.56	111.94	118.32	124.12	127.60
<b>65.0</b>	30.74	30.74	31.90	33.06	34.80	37.70	40.60	43.50	46.40	48.72
<b>75.0</b>	9.86	10.44	10.44	11.02	11.60	12.18	13.34	13.92	15.08	16.24
<b>85.0</b>	1.74	1.74	1.74	1.74	2.32	2.32	2.32	2.32	2.32	2.90
<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>	22.04	22.04	22.04	22.04	21.46	21.46	20.88	20.88	20.30	19.72
<b>100.0</b>	45.82	45.82	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.98
<b>105.0</b>	76.56	76.56	77.14	77.14	77.72	78.30	78.88	80.04	80.62	81.78
<b>110.0</b>	115.42	115.42	116.00	116.58	117.74	118.90	120.06	121.80	123.54	125.28
<b>115.0</b>	162.98	163.56	164.14	164.72	166.46	167.62	169.94	171.68	174.58	176.90
<b>120.0</b>	219.24	219.82	220.40	221.56	223.30	225.04	227.36	230.26	233.16	236.64
<b>125.0</b>	283.04	283.62	284.20	285.94	287.68	290.00	292.32	295.22	298.70	301.60
<b>130.0</b>	351.48	351.48	352.64	353.80	355.54	357.86	360.76	363.66	366.56	369.46
<b>135.0</b>	419.92	420.50	421.08	422.24	423.98	425.72	428.04	430.36	433.26	435.58
<b>140.0</b>	484.88	484.88	485.46	486.04	487.20	488.94	490.10	491.84	493.00	494.74
<b>145.0</b>	539.98	539.98	540.56	541.14	541.72	542.30	542.88	544.04	544.62	545.78
<b>150.0</b>	585.22	585.22	585.80	585.80	586.38	586.38	586.96	586.96	587.54	588.12
<b>155.0</b>	621.18	621.18	621.18	621.18	621.18	621.76	621.76	622.34	622.92	622.92
<b>160.0</b>	649.60	649.60	649.60	649.60	650.18	650.18	650.18	650.76	650.76	651.34
<b>165.0</b>	671.64	671.64	671.64	671.64	671.64	671.64	672.22	672.22	672.22	672.22
<b>170.0</b>	686.72	686.72	686.72	686.72	686.72	686.72	686.72	686.72	686.72	686.72
<b>175.0</b>	694.84	694.84	694.84	694.84	694.84	694.84	694.84	695.42	694.84	694.84
<b>180.0</b>	697.74	697.74	697.74	697.74	697.74	697.74	697.74	697.74	697.74	697.74

**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>	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00
<b>1.0</b>	638.00	638.00	638.00	638.00	638.00	638.00	638.00	638.00	637.42
<b>3.0</b>	636.84	636.84	636.84	636.84	636.84	636.84	636.84	636.84	636.84
<b>5.0</b>	634.52	634.52	634.52	634.52	634.52	634.52	634.52	634.52	634.52
<b>7.0</b>	631.04	631.04	630.46	630.46	630.46	630.46	630.46	630.46	630.46
<b>9.0</b>	625.82	625.82	625.82	625.82	625.82	625.82	625.82	625.82	625.82
<b>11.0</b>	620.02	620.02	619.44	619.44	619.44	619.44	619.44	619.44	618.86
<b>13.0</b>	612.48	612.48	612.48	611.90	611.90	611.90	611.90	611.32	611.32
<b>15.0</b>	603.78	603.20	603.20	602.62	602.62	602.04	602.04	602.04	602.04

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

<b>17.0</b>	593.34	593.34	592.76	592.18	591.60	591.02	590.44	590.44	590.44
<b>19.5</b>	578.84	578.26	577.10	576.52	575.94	574.78	574.78	574.20	574.20
<b>22.5</b>	557.38	556.22	555.06	553.90	552.16	551.58	550.42	549.84	549.84
<b>25.5</b>	532.44	530.70	528.38	526.64	524.32	523.16	521.42	520.84	520.84
<b>29.0</b>	497.06	494.74	491.84	488.94	486.04	483.72	481.98	480.82	480.24
<b>33.0</b>	449.50	446.60	442.54	438.48	434.42	430.36	428.04	426.30	425.72
<b>37.5</b>	387.44	383.38	378.74	372.94	367.14	362.50	359.02	356.70	355.54
<b>42.5</b>	309.72	305.66	300.44	293.48	287.10	281.88	277.24	274.34	273.76
<b>47.5</b>	230.84	227.36	222.14	215.76	209.96	204.16	200.10	197.20	196.62
<b>55.0</b>	128.76	127.60	124.70	120.64	116.58	112.52	109.62	107.88	107.30
<b>65.0</b>	49.88	49.88	49.88	48.72	47.56	45.82	44.66	44.08	44.08
<b>75.0</b>	16.82	17.40	17.40	17.40	16.82	16.82	16.82	16.24	16.24
<b>85.0</b>	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
<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	19.14	18.56	17.98	17.98	17.40	16.82	16.82	16.24
<b>100.0</b>	46.98	46.98	46.98	46.98	46.98	46.98	46.98	46.98	46.40
<b>105.0</b>	82.36	83.52	84.10	85.26	85.26	85.84	85.84	85.84	85.84
<b>110.0</b>	127.02	128.76	129.92	131.08	132.24	132.82	133.40	133.40	133.40
<b>115.0</b>	179.22	181.54	183.86	185.60	187.34	187.92	188.50	189.08	189.08
<b>120.0</b>	239.54	242.44	244.76	247.08	248.82	249.98	250.56	251.14	251.14
<b>125.0</b>	305.08	307.98	310.88	312.62	314.36	316.10	316.68	317.26	317.84
<b>130.0</b>	372.94	375.26	377.58	379.32	381.06	382.22	382.80	383.38	383.96
<b>135.0</b>	437.32	439.64	440.80	442.54	443.70	444.86	445.44	445.44	446.02
<b>140.0</b>	495.90	497.06	498.22	499.38	499.96	500.54	501.12	501.70	501.70
<b>145.0</b>	546.36	546.94	548.10	548.68	549.26	549.26	549.84	549.84	549.84
<b>150.0</b>	588.70	589.28	589.86	590.44	590.44	590.44	591.02	591.02	591.02
<b>155.0</b>	623.50	624.08	624.08	624.66	624.66	624.66	624.66	624.66	624.66
<b>160.0</b>	651.34	651.34	651.34	651.34	651.34	651.34	651.92	651.92	651.92
<b>165.0</b>	672.22	672.22	672.22	672.22	672.22	672.22	672.22	672.22	672.22
<b>170.0</b>	686.72	686.72	686.72	686.72	686.72	686.72	686.72	686.72	686.72
<b>175.0</b>	694.84	695.42	694.84	694.84	695.42	695.42	695.42	695.42	695.42
<b>180.0</b>	697.74	697.74	697.74	697.74	697.74	697.74	697.74	697.74	697.74

**IES INDOOR REPORT**

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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	219.48	N.A.	7.60
0-30	448.69	N.A.	15.60
0-40	669.92	N.A.	23.30
0-60	986.07	N.A.	34.30
0-80	1088.47	N.A.	37.90
0-90	1099.53	N.A.	38.20
10-90	1050.63	N.A.	36.50
20-40	450.44	N.A.	15.70
20-50	663.98	N.A.	23.10
40-70	389.15	N.A.	13.50
60-80	102.41	N.A.	3.60
70-80	29.40	N.A.	1.00
80-90	11.06	N.A.	0.40
90-110	112.79	N.A.	3.90
90-120	289.42	N.A.	10.10
90-130	559.18	N.A.	19.40
90-150	1233.49	N.A.	42.90
90-180	1776.09	N.A.	61.80
110-180	1663.3	N.A.	57.80
0-180	2875.62	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	48.90
10-20	170.58
20-30	229.21
30-40	221.24
40-50	213.54
50-60	102.61
60-70	73.01
70-80	29.40
80-90	11.06
90-100	24.53
100-110	88.25
110-120	176.63
120-130	269.76
130-140	334.00
140-150	340.31
150-160	286.89
160-170	189.62
170-180	66.08

**IES INDOOR REPORT**

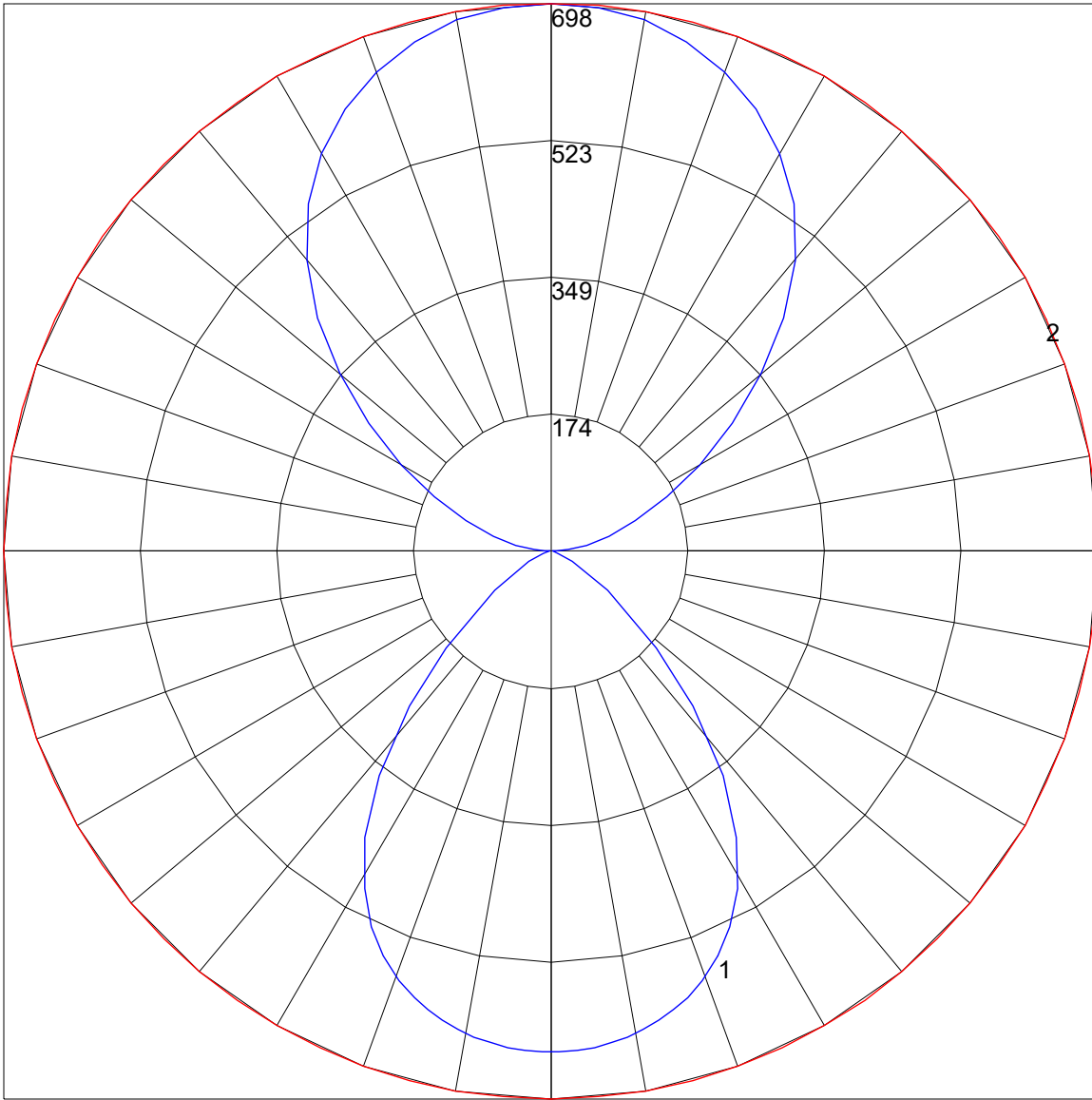
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S7\_BL.IES**

**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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	92	88	85	87	84	81	78	68	66	64	54	53	52	41	40	40	34
2	88	81	76	71	80	74	69	65	61	57	55	48	46	44	37	36	35	29
3	81	72	65	60	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	48	49	44	40	39	36	34	31	28	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	29	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	26	30	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

POLAR GRAPH



Maximum Candela = 697.74 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.)