

## 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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	107	110	112	112
Total Lumens, 4' rail length (1219mm)	3167	3267	3334	3334
Lumens per foot (305mm)	792	817	833	833
Lumens per foot UP (305mm)	497	513	524	524
Lumens per foot DOWN (305mm)	294	304	310	310
Input Power (W), 4' rail length (1219mm)	29.8	29.8	29.8	29.8
Watts per foot (305mm)	7.5	7.5	7.5	7.5
CRI	82	82	82	82

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.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911553 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] VODE LIGHTING

[LUMCAT] 707-Z3-48-Z-CC-LO-35-U2S2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 80 CRI, zipper board, symmetric lens with edgeglow up/60°

[MORE] 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	3334
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	29.78
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)	0.26 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	2224	3497	4478
55	1307	2106	3068
65	955	1408	2286
75	724	996	1692
85	405	541	1046

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2.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>	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14
<b>1.0</b>	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14
<b>3.0</b>	771.40	771.40	771.40	771.40	771.98	771.98	771.98	771.98	771.98	771.98
<b>5.0</b>	767.34	767.34	767.34	767.34	767.92	767.92	768.50	768.50	769.08	769.08
<b>7.0</b>	760.38	760.38	760.96	760.96	761.54	762.12	762.70	763.28	763.86	764.44
<b>9.0</b>	750.52	750.52	751.10	751.68	752.26	752.84	754.00	755.16	756.32	756.90
<b>11.0</b>	737.76	737.76	738.34	739.50	740.66	741.82	742.98	744.72	746.46	748.20
<b>13.0</b>	722.10	722.10	722.68	723.84	725.58	727.32	729.64	731.96	734.28	736.60
<b>15.0</b>	702.38	702.96	704.12	705.86	707.60	710.50	713.40	716.88	719.78	723.26
<b>17.0</b>	679.18	679.76	681.50	683.82	686.72	690.20	694.26	698.32	702.96	707.02
<b>19.5</b>	644.96	646.12	647.86	651.34	655.40	660.62	665.84	671.64	677.44	683.24
<b>22.5</b>	595.66	596.24	599.14	603.78	609.58	616.54	624.08	632.20	640.32	647.86
<b>25.5</b>	537.66	538.82	542.30	548.10	556.22	565.50	575.36	585.80	596.24	606.10
<b>29.0</b>	462.84	464.00	468.64	476.18	486.04	497.64	510.40	523.74	537.08	549.84
<b>33.0</b>	372.94	374.68	379.90	388.60	399.62	413.54	428.62	444.86	461.10	476.18
<b>37.5</b>	277.82	280.14	285.36	294.06	305.66	319.58	335.82	353.22	371.20	388.02
<b>42.5</b>	193.14	194.30	198.94	206.48	216.34	229.10	243.02	259.26	276.08	292.32
<b>47.5</b>	132.82	133.98	137.46	142.68	150.22	160.08	171.10	183.86	197.78	211.12
<b>55.0</b>	80.04	80.62	82.36	85.26	89.32	95.12	101.50	109.04	117.16	125.86
<b>65.0</b>	45.24	45.24	45.82	47.56	48.72	51.04	53.94	56.84	60.90	64.38
<b>75.0</b>	23.20	23.20	23.78	24.36	24.94	25.52	26.68	27.84	29.00	30.16
<b>85.0</b>	6.38	6.38	6.38	6.38	6.38	6.38	6.96	6.96	6.96	7.54
<b>90.0</b>	12.18	12.18	12.18	11.60	11.02	10.44	9.86	9.28	8.12	7.54
<b>95.0</b>	28.42	28.42	28.42	27.84	27.84	27.26	26.68	26.10	25.52	24.36
<b>100.0</b>	51.04	51.04	51.04	51.62	51.62	51.62	52.20	52.78	53.36	54.52
<b>105.0</b>	87.00	87.58	88.16	88.74	89.90	91.64	93.38	95.12	96.86	98.60
<b>110.0</b>	137.46	137.46	138.04	139.20	140.94	142.68	145.00	146.74	149.06	151.96
<b>115.0</b>	197.78	198.36	198.94	200.10	201.84	204.16	207.06	210.54	213.44	216.34
<b>120.0</b>	270.28	270.86	272.02	273.18	275.50	277.82	280.14	283.04	286.52	290.00
<b>125.0</b>	349.74	349.74	350.90	352.06	353.80	356.12	359.02	362.50	366.56	370.04
<b>130.0</b>	430.36	430.36	431.52	432.68	435.00	437.90	440.22	443.12	445.44	447.76
<b>135.0</b>	508.66	508.66	509.24	510.40	511.56	512.72	513.88	515.62	516.78	518.52
<b>140.0</b>	575.36	575.36	575.36	575.94	576.52	577.68	578.26	578.84	580.00	580.58
<b>145.0</b>	630.46	630.46	630.46	631.04	631.04	631.62	632.20	632.20	632.78	633.36
<b>150.0</b>	675.70	675.70	675.70	676.28	676.28	676.28	676.86	676.86	676.86	677.44
<b>155.0</b>	712.82	712.82	712.24	712.24	712.82	712.82	712.82	712.82	712.82	713.40
<b>160.0</b>	741.24	741.82	741.82	741.82	741.82	741.82	741.82	741.82	741.82	742.40
<b>165.0</b>	763.86	763.86	763.28	763.86	763.86	763.86	763.86	763.86	763.86	763.86
<b>170.0</b>	778.94	778.94	778.94	778.94	778.94	778.94	779.52	779.52	779.52	779.52
<b>175.0</b>	787.64	787.64	787.64	787.64	788.22	788.22	787.64	787.64	788.22	787.64
<b>180.0</b>	789.96	789.96	789.96	789.96	789.96	789.96	789.96	789.96	789.96	789.96

**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>	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14
<b>1.0</b>	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14	773.14
<b>3.0</b>	771.98	772.56	772.56	772.56	772.56	772.56	772.56	772.56	772.56
<b>5.0</b>	769.66	769.66	770.24	770.24	770.24	770.82	770.82	770.82	770.82
<b>7.0</b>	765.02	765.60	766.18	766.76	767.34	767.34	767.92	767.92	767.92
<b>9.0</b>	758.64	759.22	760.38	761.54	762.12	762.70	763.28	763.28	763.28
<b>11.0</b>	749.94	751.10	752.84	754.00	755.16	756.32	756.90	756.90	757.48
<b>13.0</b>	739.50	741.24	743.56	745.30	746.46	747.62	748.78	749.36	749.36
<b>15.0</b>	726.16	729.06	731.96	734.28	736.02	737.76	738.34	738.92	739.50

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2.IES**

**CANDELA TABULATION - (Cont.)**

<b>17.0</b>	711.08	714.56	718.04	720.94	723.26	725.00	726.16	726.74	727.32
<b>19.5</b>	688.46	693.10	697.16	700.64	703.54	705.86	707.60	708.18	708.18
<b>22.5</b>	654.82	661.20	666.42	671.06	674.54	676.86	678.60	680.34	680.34
<b>25.5</b>	615.38	622.92	629.30	634.52	638.58	642.06	643.80	644.96	645.54
<b>29.0</b>	560.86	570.72	578.84	585.22	589.86	592.76	595.08	596.24	596.24
<b>33.0</b>	490.10	502.28	511.56	518.52	523.16	526.64	528.38	529.54	529.54
<b>37.5</b>	403.68	416.44	426.88	433.84	439.06	441.96	443.70	444.28	444.86
<b>42.5</b>	307.98	320.74	330.60	337.56	342.20	345.68	347.42	348.00	348.58
<b>47.5</b>	224.46	235.48	244.18	251.14	256.36	259.84	262.16	263.32	263.90
<b>55.0</b>	134.56	142.10	149.06	154.86	160.08	164.72	167.62	169.36	170.52
<b>65.0</b>	68.44	73.08	77.14	81.20	85.26	88.74	91.64	93.38	93.96
<b>75.0</b>	31.90	33.64	35.38	37.12	38.86	40.60	41.76	42.92	42.92
<b>85.0</b>	7.54	8.12	8.12	8.70	8.70	8.70	9.28	9.28	9.28
<b>90.0</b>	6.38	5.80	4.64	4.06	3.48	2.90	2.32	1.74	1.74
<b>95.0</b>	23.78	23.78	23.20	23.20	23.20	23.20	23.20	23.20	23.20
<b>100.0</b>	55.68	56.84	57.42	58.00	58.58	58.58	59.74	59.74	59.74
<b>105.0</b>	99.76	101.50	102.66	103.82	105.56	106.72	107.30	107.30	107.30
<b>110.0</b>	154.28	156.60	158.92	161.82	163.56	164.72	165.30	165.30	165.30
<b>115.0</b>	219.24	222.72	226.20	229.10	230.26	231.42	232.00	232.58	232.58
<b>120.0</b>	294.64	298.12	300.44	302.76	304.50	305.66	306.24	306.82	306.82
<b>125.0</b>	373.52	375.84	378.16	379.32	381.06	382.22	382.22	382.80	383.38
<b>130.0</b>	449.50	451.24	452.98	454.14	455.30	455.88	456.46	456.46	456.46
<b>135.0</b>	519.68	520.84	521.42	522.58	523.16	523.74	523.74	524.32	524.32
<b>140.0</b>	581.16	581.74	582.32	582.90	582.90	583.48	583.48	584.06	584.06
<b>145.0</b>	633.36	633.94	633.94	634.52	634.52	635.10	635.10	635.10	635.10
<b>150.0</b>	677.44	677.44	678.02	678.02	678.02	678.60	678.60	678.60	678.60
<b>155.0</b>	713.40	713.40	713.40	713.98	713.98	713.98	713.98	713.98	713.98
<b>160.0</b>	742.40	742.40	742.40	742.40	742.40	742.40	742.40	742.40	742.98
<b>165.0</b>	763.86	763.86	763.86	764.44	764.44	764.44	763.86	763.86	764.44
<b>170.0</b>	778.94	779.52	779.52	779.52	779.52	779.52	779.52	779.52	779.52
<b>175.0</b>	787.64	787.64	787.64	788.22	787.64	788.22	788.22	788.22	788.22
<b>180.0</b>	789.96	789.96	789.96	789.96	789.96	789.96	789.96	789.96	789.96

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	263.02	N.A.	7.90
0-30	524.07	N.A.	15.70
0-40	756.76	N.A.	22.70
0-60	1072.29	N.A.	32.20
0-80	1214.07	N.A.	36.40
0-90	1239.32	N.A.	37.20
10-90	1180.08	N.A.	35.40
20-40	493.74	N.A.	14.80
20-50	703.55	N.A.	21.10
40-70	406.60	N.A.	12.20
60-80	141.78	N.A.	4.30
70-80	50.71	N.A.	1.50
80-90	25.25	N.A.	0.80
90-110	136.89	N.A.	4.10
90-120	353.03	N.A.	10.60
90-130	681.93	N.A.	20.50
90-150	1475.02	N.A.	44.20
90-180	2094.22	N.A.	62.80
110-180	1957.33	N.A.	58.70
0-180	3333.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	59.24
10-20	203.78
20-30	261.05
30-40	232.70
40-50	209.81
50-60	105.72
60-70	91.08
70-80	50.71
80-90	25.25
90-100	30.72
100-110	106.17
110-120	216.14
120-130	328.90
130-140	397.77
140-150	395.31
150-160	328.61
160-170	215.67
170-180	74.93

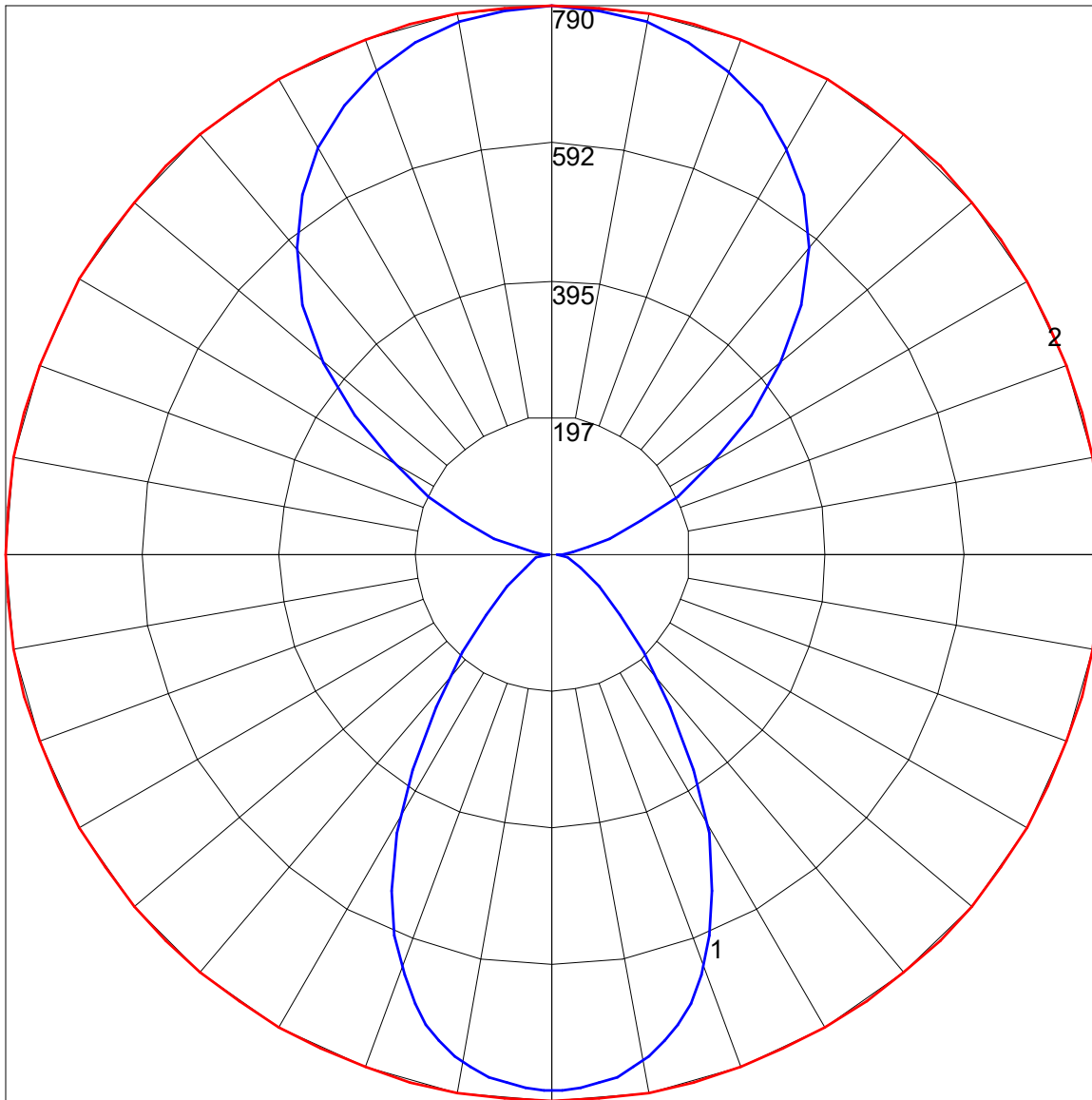
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2.IES**

**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	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28
3	80	71	65	59	73	65	59	55	53	49	46	43	40	37	33	31	29	25
4	74	64	56	51	67	58	52	47	48	43	40	38	35	33	30	28	26	22
5	68	57	50	44	62	52	46	41	43	38	35	35	32	29	27	25	23	20
6	63	51	44	38	57	47	41	36	39	34	31	32	28	26	25	23	21	18
7	58	47	39	34	53	43	36	32	36	31	27	29	26	23	23	21	19	16
8	54	43	35	30	49	39	33	28	33	28	24	27	23	21	21	19	17	15
9	50	39	32	27	46	36	30	25	30	25	22	25	21	19	20	17	16	13
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 789.96 Located At Horizontal Angle = 0, Vertical Angle = 180  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)