

## 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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	95	98	100	100
Total Lumens, 4' rail length (1219mm)	2807	2896	2955	2955
Lumens per foot (305mm)	702	724	739	739
Lumens per foot UP (305mm)	472	487	497	497
Lumens per foot DOWN (305mm)	230	237	242	242
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](https://vode.com).



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911555 (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-BL

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

[MORE] 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	2955
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
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	1445	2522	3558
55	615	1194	1962
65	318	596	1058
75	181	326	640
85	110	166	392

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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>
0.0	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60
1.0	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02
3.0	705.28	705.28	705.28	705.86	705.86	705.86	705.86	705.86	705.86	705.86
5.0	700.64	700.64	700.64	701.22	701.22	701.22	701.22	701.80	701.80	702.38
7.0	694.26	694.26	694.26	694.26	694.84	694.84	695.42	696.00	696.58	697.16
9.0	683.82	683.82	684.40	684.98	685.56	686.14	686.72	687.88	688.46	689.04
11.0	671.06	671.06	671.64	672.22	673.38	673.96	675.70	676.86	678.02	679.18
13.0	654.82	654.82	655.40	656.56	657.72	659.46	661.20	663.52	665.26	667.00
15.0	635.10	635.68	636.26	637.42	639.16	641.48	644.38	646.70	649.60	651.92
17.0	611.90	611.90	613.06	615.38	617.70	620.60	624.66	627.56	631.62	635.10
19.5	576.52	577.10	578.84	581.16	585.22	589.28	593.92	599.14	604.36	609.58
22.5	526.06	527.22	529.54	533.60	538.82	545.20	551.58	559.12	566.08	573.04
25.5	466.90	468.06	471.54	476.76	483.72	491.84	501.12	510.98	520.26	529.54
29.0	390.92	392.66	396.72	403.10	411.80	422.82	434.42	447.18	459.94	472.12
33.0	301.60	302.76	307.40	314.94	325.38	337.56	352.06	367.72	383.38	398.46
37.5	209.96	211.12	215.76	223.30	233.16	245.34	259.84	276.66	294.06	310.88
42.5	131.66	132.82	136.30	142.10	150.22	160.66	172.84	187.34	203.58	219.24
47.5	80.04	80.62	82.94	87.00	92.80	99.76	108.46	119.48	131.66	143.84
55.0	37.70	38.28	39.44	41.76	44.08	48.14	52.78	58.00	64.38	71.34
65.0	15.08	15.08	15.66	16.24	17.40	18.56	20.30	22.62	24.94	27.26
75.0	5.80	5.80	5.80	6.38	6.38	6.96	7.54	8.70	9.28	9.86
85.0	1.74	1.74	1.74	1.74	1.74	1.74	1.74	1.74	2.32	2.32
90.0	11.60	11.02	11.02	11.02	10.44	9.86	9.28	8.70	7.54	6.96
95.0	26.10	26.10	26.10	26.10	25.52	25.52	24.94	24.36	24.36	23.78
100.0	49.30	49.30	49.30	49.88	50.46	51.62	52.20	53.36	54.52	55.68
105.0	87.58	87.58	88.16	89.32	90.48	91.64	92.80	93.96	95.70	96.86
110.0	133.98	133.98	134.56	135.72	136.88	138.04	139.78	141.52	143.84	145.58
115.0	187.92	188.50	189.08	190.24	191.98	193.72	196.04	198.94	201.84	205.32
120.0	252.88	253.46	254.04	255.78	258.10	260.42	263.32	266.80	270.28	273.18
125.0	327.12	327.70	328.86	330.02	332.34	334.66	337.56	339.88	342.78	345.68
130.0	403.68	403.68	404.84	406.00	407.16	409.48	411.22	413.54	415.86	418.18
135.0	475.60	476.18	476.76	477.34	478.50	480.24	481.40	483.14	484.88	486.62
140.0	540.56	540.56	541.14	541.72	542.30	543.46	544.04	545.78	546.94	548.10
145.0	595.66	595.66	596.24	596.24	596.82	597.40	598.56	599.14	599.72	600.88
150.0	642.06	642.06	642.06	642.06	642.64	643.22	643.80	644.38	644.96	645.54
155.0	679.18	679.18	679.76	679.76	679.76	680.34	680.34	680.92	681.50	681.50
160.0	708.76	708.76	708.76	709.34	709.34	709.34	709.34	709.92	710.50	710.50
165.0	731.38	731.38	731.38	731.38	731.38	731.38	731.96	731.96	731.96	731.96
170.0	746.46	746.46	746.46	746.46	746.46	747.04	747.04	747.04	747.04	747.04
175.0	755.16	755.16	755.16	755.74	755.16	755.74	755.16	755.74	755.74	755.74
180.0	757.48	757.48	757.48	757.48	757.48	757.48	757.48	757.48	757.48	757.48

## 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	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60	707.60
1.0	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02	707.02
3.0	705.86	705.86	705.86	705.86	705.86	705.86	705.86	706.44	706.44
5.0	702.38	702.38	702.96	702.96	702.96	702.96	703.54	703.54	703.54
7.0	697.16	697.74	698.32	698.90	698.90	699.48	699.48	699.48	700.06
9.0	690.20	690.78	691.36	691.94	692.52	693.10	693.68	693.68	693.68
11.0	680.34	682.08	683.24	683.82	684.98	685.56	686.14	686.14	686.14
13.0	668.74	670.48	672.22	673.38	674.54	675.70	676.28	676.86	676.86
15.0	654.82	657.14	659.46	661.20	662.94	664.10	664.68	665.26	665.84

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2\_BL.IES****CANDELA TABULATION - (Cont.)**

<b>17.0</b>	638.58	641.48	644.38	646.70	648.44	650.18	651.34	651.92	651.92
<b>19.5</b>	613.64	618.28	621.76	624.66	627.56	629.30	630.46	631.04	631.62
<b>22.5</b>	579.42	585.22	589.86	593.92	597.40	599.72	601.46	602.62	603.20
<b>25.5</b>	538.24	545.78	552.16	557.38	560.86	564.34	566.08	567.24	567.82
<b>29.0</b>	483.72	493.00	501.70	508.08	512.72	516.20	518.52	519.68	519.68
<b>33.0</b>	412.38	425.14	434.42	442.54	447.76	451.82	454.14	455.30	455.88
<b>37.5</b>	327.12	341.62	352.64	361.34	367.72	371.78	374.10	375.84	376.42
<b>42.5</b>	235.48	249.40	261.00	270.28	276.66	280.72	283.62	284.78	284.78
<b>47.5</b>	157.18	169.36	179.22	187.92	193.72	197.78	200.10	201.84	201.84
<b>55.0</b>	78.88	85.84	92.22	98.02	102.08	105.56	107.30	108.46	109.04
<b>65.0</b>	30.16	33.06	35.38	37.70	40.02	41.18	42.34	43.50	43.50
<b>75.0</b>	11.02	12.18	12.76	13.92	14.50	15.08	15.66	16.24	16.24
<b>85.0</b>	2.32	2.32	2.90	2.90	2.90	2.90	2.90	3.48	3.48
<b>90.0</b>	6.38	5.22	4.64	3.48	2.90	2.32	1.74	1.16	1.16
<b>95.0</b>	23.20	23.20	23.20	23.20	22.62	22.62	22.04	22.04	22.04
<b>100.0</b>	56.26	56.84	56.84	56.84	56.84	56.84	56.84	56.84	56.84
<b>105.0</b>	97.44	98.60	99.18	100.92	101.50	101.50	101.50	101.50	101.50
<b>110.0</b>	147.90	150.22	152.54	153.70	154.86	154.86	155.44	155.44	155.44
<b>115.0</b>	208.22	211.12	212.86	214.60	215.76	216.34	216.92	217.50	217.50
<b>120.0</b>	276.08	278.98	280.72	282.46	284.20	285.36	285.94	286.52	286.52
<b>125.0</b>	348.00	350.32	352.64	354.38	355.54	356.70	357.86	358.44	358.44
<b>130.0</b>	419.92	422.24	423.98	425.72	426.88	428.04	429.20	429.78	429.78
<b>135.0</b>	488.36	490.10	491.26	492.42	493.58	494.74	495.32	495.90	495.90
<b>140.0</b>	549.26	550.42	551.58	552.74	553.32	554.48	555.06	555.06	555.64
<b>145.0</b>	602.04	602.62	603.78	604.36	604.94	605.52	606.10	606.10	606.10
<b>150.0</b>	646.12	646.70	647.28	647.86	648.44	648.44	649.02	649.02	649.02
<b>155.0</b>	682.08	682.66	682.66	683.24	683.24	683.82	683.82	683.82	683.82
<b>160.0</b>	710.50	711.08	711.08	711.08	711.66	711.66	711.66	711.66	711.66
<b>165.0</b>	731.96	732.54	732.54	732.54	732.54	732.54	732.54	733.12	733.12
<b>170.0</b>	747.04	747.04	747.04	747.04	747.04	747.04	747.62	747.62	747.62
<b>175.0</b>	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74	755.74
<b>180.0</b>	757.48	757.48	757.48	757.48	757.48	757.48	757.48	757.48	757.48

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

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	237.78	N.A.	8.00
0-30	466.89	N.A.	15.80
0-40	661.44	N.A.	22.40
0-60	890.76	N.A.	30.10
0-80	958.73	N.A.	32.40
0-90	968.12	N.A.	32.80
10-90	914.08	N.A.	30.90
20-40	423.66	N.A.	14.30
20-50	583.81	N.A.	19.80
40-70	277.29	N.A.	9.40
60-80	67.97	N.A.	2.30
70-80	20.01	N.A.	0.70
80-90	9.39	N.A.	0.30
90-110	132.79	N.A.	4.50
90-120	336.86	N.A.	11.40
90-130	644.76	N.A.	21.80
90-150	1394.09	N.A.	47.20
90-180	1986.49	N.A.	67.20
110-180	1853.7	N.A.	62.70
0-180	2954.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	54.04
10-20	183.74
20-30	229.10
30-40	194.55
40-50	160.16
50-60	69.16
60-70	47.97
70-80	20.01
80-90	9.39
90-100	29.64
100-110	103.15
110-120	204.07
120-130	307.90
130-140	374.09
140-150	375.24
150-160	313.95
160-170	206.61
170-180	71.84

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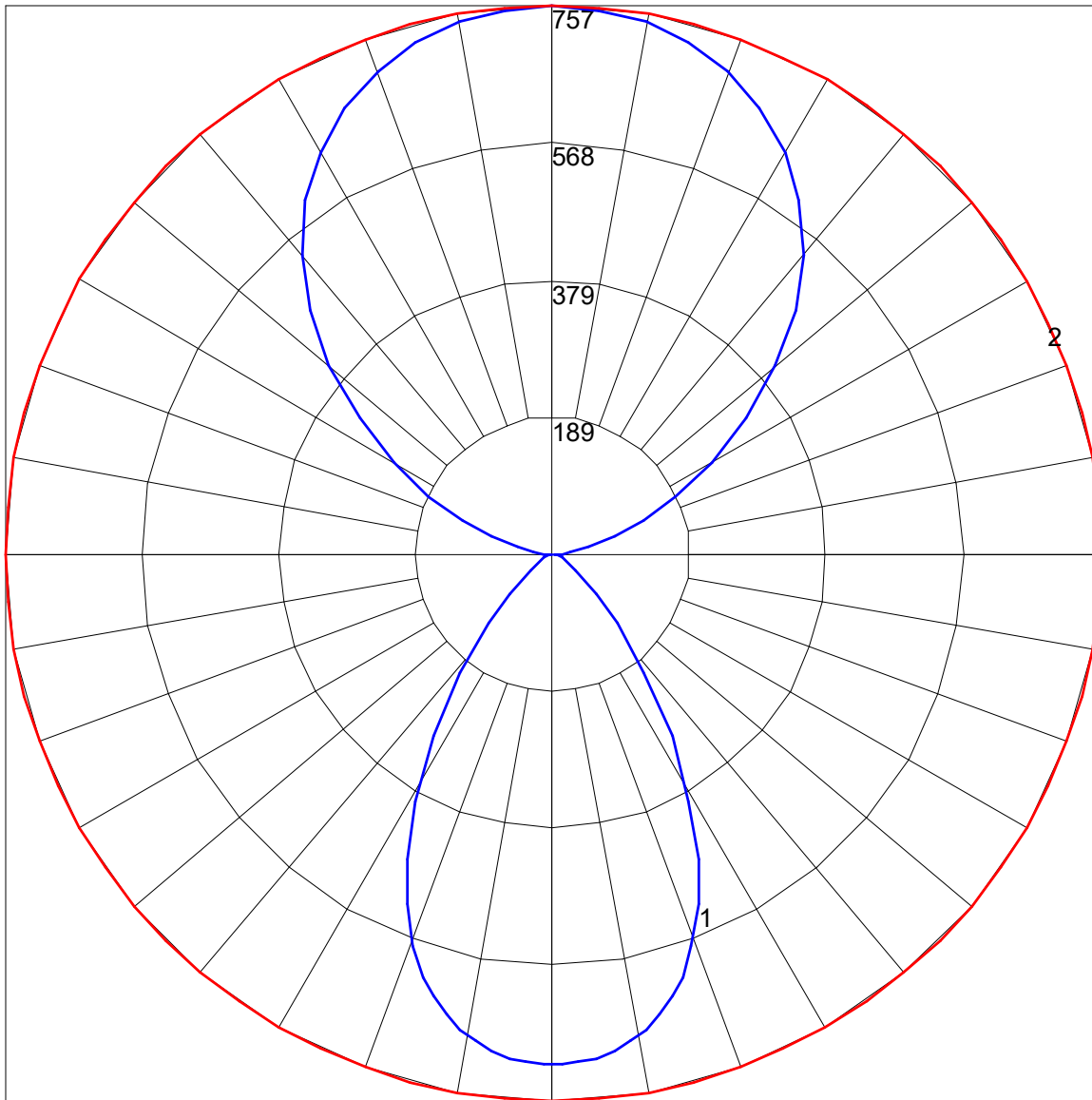
PHOTOMETRIC FILENAME : VODE\_707\_Z3\_CC\_LO\_35\_U2S2\_BL.IES

## 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	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33
1	95	91	87	84	85	82	79	77	66	64	62	51	49	48	37	36	36	29
2	87	80	75	70	78	73	68	64	59	56	53	46	44	42	34	32	31	26
3	80	71	65	60	72	65	59	55	53	49	46	41	39	37	31	29	28	23
4	74	64	57	51	66	58	52	47	47	43	40	37	34	32	28	26	25	21
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	26	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	24	22	20	17
7	58	47	40	35	53	43	37	32	36	31	27	29	25	23	22	20	18	16
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	29	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 757.48 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.)