

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	101	104	106	106
Total Lumens, 4' rail length (1219mm)	2990	3085	3148	3148
Lumens per foot (305mm)	748	771	787	787
Lumens per foot UP (305mm)	445	459	468	468
Lumens per foot DOWN (305mm)	303	313	319	319
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.



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010921 (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-U1S7-BL

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

[MORE] 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	3148
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	29.78
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)	0.26 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.03 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3431	4188	4154
55	1759	2440	2526
65	880	1310	1530
75	456	703	974
85	179	278	573

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S7_BL.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>
0	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46
5	715.14	714.56	714.56	714.56	714.56	715.14	714.56	714.56	714.56	714.56
10	704.70	704.70	704.70	704.70	704.70	704.70	704.70	704.12	704.12	704.12
15	686.14	686.14	686.14	686.14	685.56	686.14	685.56	685.56	684.98	684.40
20	655.40	655.40	655.40	655.40	655.40	655.40	655.40	655.40	654.82	654.24
25	609.58	609.58	610.16	610.74	611.90	612.48	613.06	613.06	613.06	612.48
30	545.20	545.78	546.94	548.68	551.00	553.32	555.06	556.22	556.80	556.22
35	459.94	460.52	462.84	466.32	470.96	475.02	479.08	482.56	484.30	484.88
40	360.18	361.34	364.82	369.46	375.84	382.22	388.60	394.40	398.46	400.78
45	260.42	261.58	265.06	270.28	277.24	285.36	292.90	300.44	306.24	309.72
50	175.74	176.32	179.80	184.44	190.82	197.78	205.32	212.86	219.24	223.30
55	113.10	113.68	116.00	119.48	124.70	130.50	136.30	142.68	147.90	151.38
60	71.34	71.92	73.66	75.98	79.46	83.52	87.58	91.64	95.70	98.60
65	44.66	45.24	46.40	47.56	49.88	52.78	55.10	58.00	60.90	63.22
70	27.84	27.84	28.42	29.58	30.74	32.48	34.22	35.96	37.70	38.86
75	16.24	16.24	16.82	17.40	17.98	19.14	20.30	21.46	22.04	23.20
80	8.70	8.70	8.70	9.28	9.28	9.86	10.44	11.02	11.60	12.18
85	3.48	3.48	3.48	3.48	4.06	4.06	4.06	4.64	4.64	4.64
90	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95	16.82	16.82	16.82	16.82	17.40	17.40	17.40	17.98	17.98	17.98
100	38.28	38.28	38.86	39.44	40.60	41.76	43.50	45.24	46.98	48.72
105	74.24	74.24	74.82	75.98	77.14	78.88	80.62	82.36	84.10	85.26
110	116.00	116.58	117.16	118.32	119.48	121.22	123.54	125.28	127.60	129.92
115	165.30	165.88	166.46	167.62	169.94	171.68	174.58	177.48	180.96	185.02
120	223.88	223.88	225.04	226.78	229.10	232.00	235.48	239.54	243.60	247.08
125	291.16	291.74	292.90	294.64	297.54	300.44	303.34	307.40	310.88	314.94
130	363.08	363.66	364.24	365.98	368.30	371.20	374.10	377.58	381.06	384.54
135	434.42	435.00	435.58	437.32	439.06	441.38	444.28	447.18	450.66	453.56
140	502.28	502.28	502.86	504.02	505.76	507.50	509.82	512.72	515.04	517.94
145	562.60	563.18	563.76	564.34	565.50	567.24	568.98	571.30	573.62	575.94
150	615.38	615.38	615.38	616.54	617.12	618.28	620.02	621.76	623.50	625.24
155	658.88	658.88	659.46	660.04	660.62	661.78	662.36	664.10	665.26	666.42
160	694.26	694.26	694.84	694.84	695.42	696.00	696.58	697.74	698.32	699.48
165	720.94	720.94	721.52	721.52	722.10	722.10	722.68	723.26	723.26	723.84
170	739.50	739.50	739.50	740.08	740.08	740.08	740.08	740.66	740.66	740.66
175	749.94	749.94	749.94	749.94	749.94	749.94	749.94	749.94	749.94	749.94
180	752.26	752.26	752.26	752.26	752.26	752.26	752.26	752.26	752.26	752.26

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>
0	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46
5	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56
10	704.12	703.54	703.54	703.54	703.54	702.96	702.96	702.96	702.96
15	684.40	683.82	683.24	682.66	682.08	682.08	681.50	681.50	681.50
20	653.66	652.50	651.34	650.18	649.60	648.44	647.86	647.28	647.28
25	611.32	609.58	607.84	605.52	603.78	602.04	600.88	600.30	599.72
30	555.06	552.74	549.84	546.94	544.04	541.14	538.82	537.66	537.08
35	483.72	481.40	477.92	473.86	469.80	465.74	462.84	461.10	459.94
40	400.78	398.46	394.40	389.76	384.54	379.90	376.42	374.10	372.94
45	310.88	309.14	306.24	301.02	296.38	291.74	287.68	285.36	284.78
50	225.04	224.46	222.14	218.66	214.60	210.54	207.64	205.90	205.32
55	153.70	153.70	152.54	150.22	147.90	145.00	143.26	141.52	140.94
60	100.34	100.92	100.34	99.76	98.02	96.86	95.70	95.12	94.54

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S7_BL.IES****CANDELA TABULATION - (Cont.)**

65	64.38	64.96	64.96	64.96	64.38	63.80	63.22	63.22	63.22
70	40.02	40.60	41.18	41.18	41.18	41.18	41.18	40.60	40.60
75	23.78	24.36	24.94	24.94	24.94	24.94	24.94	24.94	24.94
80	12.76	12.76	13.34	13.34	13.34	13.34	13.34	13.34	13.34
85	4.64	5.22	5.22	5.22	5.22	5.22	5.22	5.22	5.22
90	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16	1.16
95	18.56	19.14	20.30	20.88	21.46	20.88	21.46	21.46	20.88
100	49.88	50.46	51.04	51.62	52.20	52.78	52.78	52.78	52.78
105	87.00	88.16	89.90	91.06	92.22	92.80	93.38	93.38	92.80
110	132.82	135.72	138.04	139.78	140.94	141.52	142.10	142.10	142.10
115	188.50	191.40	194.30	196.04	197.78	198.94	199.52	200.10	200.10
120	251.14	254.04	256.94	259.84	262.16	263.32	264.48	265.64	265.64
125	318.42	321.90	325.38	328.28	331.18	332.92	334.66	335.82	335.82
130	388.60	392.08	395.56	399.04	401.94	404.26	406.00	407.16	407.16
135	457.04	460.52	464.00	467.48	470.38	472.70	474.44	475.60	475.60
140	521.42	524.32	527.22	530.12	532.44	534.76	536.50	537.66	537.66
145	578.26	581.16	583.48	585.80	587.54	589.28	590.44	591.60	591.60
150	626.98	629.30	631.04	632.78	633.94	635.68	636.26	636.84	636.84
155	667.58	669.32	670.48	671.64	672.80	673.38	673.96	674.54	674.54
160	700.06	700.64	701.80	702.38	702.96	703.54	703.54	704.12	704.12
165	724.42	725.00	725.00	725.58	725.58	726.16	726.16	726.16	726.16
170	740.66	741.24	741.24	741.24	741.24	741.82	741.82	741.82	741.82
175	749.94	750.52	750.52	750.52	750.52	750.52	750.52	750.52	750.52
180	752.26	752.26	752.26	752.26	752.26	752.26	752.26	752.26	752.26

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S7_BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	260.40	N.A.	8.30
0-30	539.12	N.A.	17.10
0-40	832.26	N.A.	26.40
0-60	1185.35	N.A.	37.70
0-80	1269.62	N.A.	40.30
0-90	1275.56	N.A.	40.50
10-90	1207.7	N.A.	38.40
20-40	571.87	N.A.	18.20
20-50	797.00	N.A.	25.30
40-70	413.19	N.A.	13.10
60-80	84.27	N.A.	2.70
70-80	24.18	N.A.	0.80
80-90	5.94	N.A.	0.20
90-110	114.66	N.A.	3.60
90-120	298.58	N.A.	9.50
90-130	580.07	N.A.	18.40
90-150	1289.81	N.A.	41.00
90-180	1872.05	N.A.	59.50
110-180	1757.39	N.A.	55.80
0-180	3147.61	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	67.87
10-20	192.53
20-30	278.72
30-40	293.14
40-50	225.13
50-60	127.95
60-70	60.10
70-80	24.18
80-90	5.94
90-100	23.33
100-110	91.33
110-120	183.93
120-130	281.49
130-140	349.90
140-150	359.83
150-160	306.79
160-170	204.15
170-180	71.30

IES INDOOR REPORT

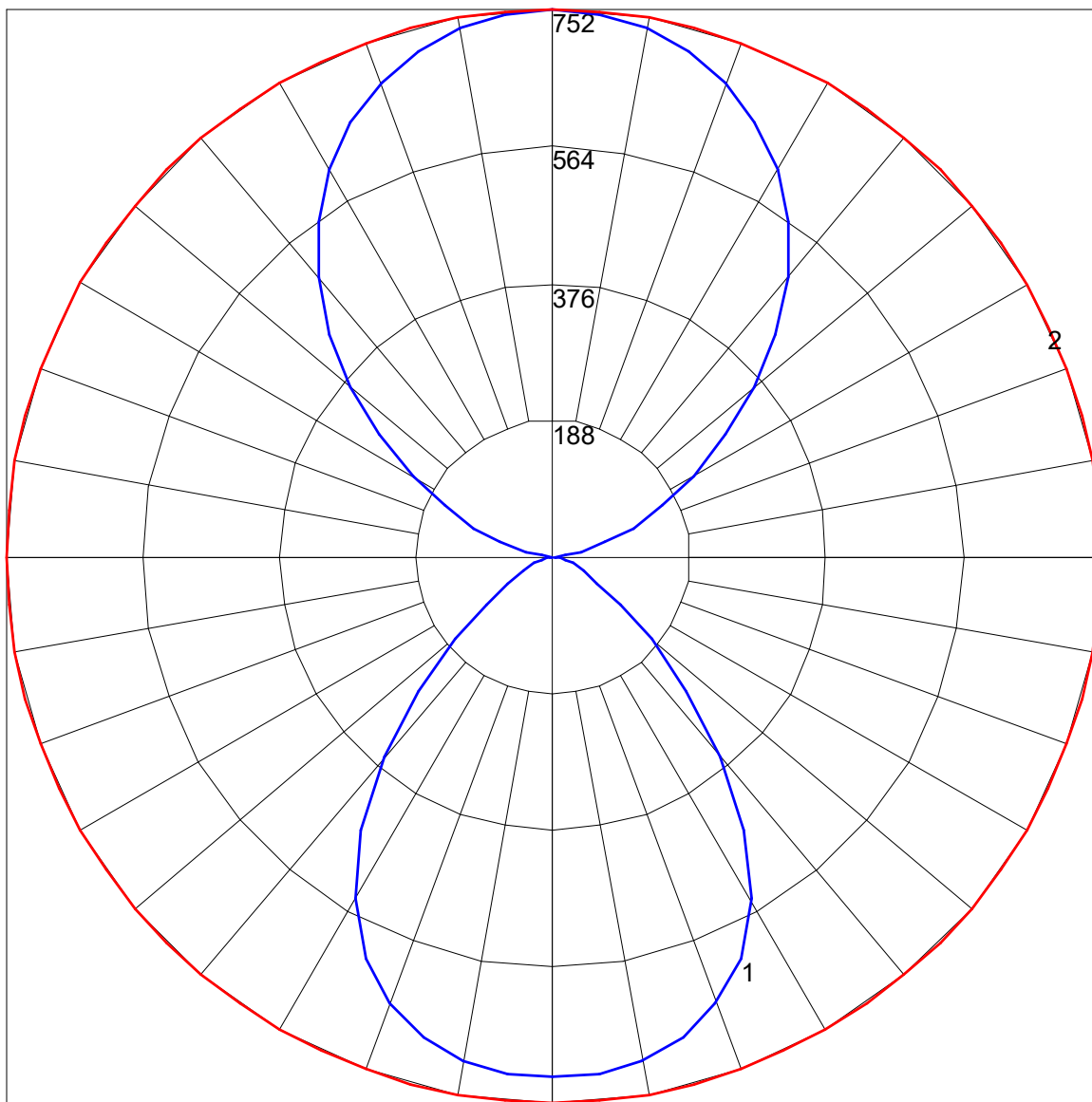
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1S7_BL.IES

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	43	43	42	36
2	89	82	77	72	81	75	71	67	62	59	56	50	48	46	39	38	37	32
3	82	73	66	61	74	67	61	57	56	52	48	45	43	40	36	34	33	28
4	75	65	58	53	68	60	54	49	50	46	42	41	38	35	33	31	29	25
5	69	59	51	46	63	54	48	43	45	41	37	37	34	31	30	28	26	22
6	64	53	45	40	58	49	42	38	41	36	33	34	31	28	27	25	23	20
7	59	48	41	35	54	44	38	33	38	33	29	31	28	25	25	23	21	18
8	55	44	37	32	51	41	34	30	34	30	26	29	25	23	23	21	19	17
9	52	40	33	28	47	37	31	27	32	27	24	27	23	20	22	19	17	15
10	48	37	30	26	44	34	28	24	29	25	21	25	21	19	20	18	16	14

POLAR GRAPH



Maximum Candela = 752.26 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.)