

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	107	110	112	112
Total Lumens, 4' rail length (1219mm)	3165	3265	3332	3332
Lumens per foot (305mm)	791	816	833	833
Lumens per foot UP (305mm)	441	455	464	464
Lumens per foot DOWN (305mm)	351	362	369	369
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_U1D2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010919 (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-U1D2-BL

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

[MORE] up/soft diffuse 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	3332
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
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	4501	4611	4958
55	4186	4319	4782
65	3704	3883	4505
75	2930	3112	3964
85	1551	1735	2993

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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	505.18	505.18	505.18	505.18	505.18	505.18	505.18	505.18	505.18	505.18
5	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02
10	497.64	497.64	497.64	497.64	497.64	497.64	497.64	497.64	497.64	497.64
15	487.20	487.20	487.20	487.20	487.20	487.20	487.20	487.20	487.20	487.20
20	472.70	472.12	472.70	472.70	472.12	472.12	472.12	472.12	472.12	472.12
25	453.56	453.56	453.56	453.56	452.98	452.98	452.98	452.98	452.98	452.98
30	430.36	430.36	430.36	430.36	430.36	430.36	430.36	429.78	429.78	429.78
35	404.26	404.26	404.26	403.68	403.68	403.68	403.68	403.68	403.10	403.10
40	374.68	374.68	374.68	374.68	374.68	374.10	374.10	374.10	373.52	373.52
45	341.62	341.62	341.62	341.62	341.62	341.62	341.62	341.04	341.04	341.04
50	306.82	306.82	306.82	306.24	306.24	306.24	306.24	305.66	305.66	305.66
55	269.12	269.12	269.12	269.12	268.54	268.54	268.54	268.54	267.96	267.96
60	229.10	229.10	229.10	229.10	229.10	229.10	228.52	228.52	228.52	228.52
65	187.92	187.92	187.92	187.92	187.92	187.92	187.34	187.34	187.34	187.34
70	146.16	146.16	146.16	145.58	145.58	145.58	145.58	145.00	145.00	145.00
75	104.40	104.40	104.40	103.82	103.82	103.82	103.82	103.24	103.24	102.66
80	64.38	64.38	64.38	64.38	64.38	64.38	63.80	63.80	63.80	63.22
85	30.16	30.16	30.16	30.16	30.16	29.58	29.58	29.58	29.00	29.00
90	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32
95	19.72	19.72	19.72	19.72	20.30	20.30	20.30	20.88	20.88	20.88
100	42.92	42.92	42.92	43.50	44.08	44.66	45.82	46.98	47.56	48.72
105	74.82	74.82	75.40	75.98	77.14	78.30	79.46	81.20	82.36	83.52
110	113.68	113.68	114.84	115.42	116.58	118.32	120.06	121.80	124.12	127.02
115	160.08	160.08	161.24	162.40	164.14	167.04	169.94	172.84	176.32	179.80
120	216.92	217.50	218.66	220.40	222.14	225.04	228.52	232.00	236.64	242.44
125	281.88	281.88	283.04	285.36	288.26	291.74	295.80	301.02	305.66	310.30
130	354.38	354.96	356.12	358.44	361.34	364.82	368.30	372.36	375.84	379.90
135	428.04	428.62	429.78	430.94	433.26	435.58	438.48	441.38	444.86	448.34
140	496.48	496.48	497.06	498.22	499.96	502.28	504.60	506.92	509.82	512.72
145	557.38	557.96	558.54	559.12	560.86	562.02	564.34	566.08	568.40	570.72
150	610.74	611.32	611.32	611.90	613.06	614.22	615.96	617.70	619.44	621.18
155	655.98	655.98	656.56	656.56	657.72	658.30	659.46	660.62	662.36	663.52
160	692.52	692.52	692.52	693.10	693.68	694.26	694.84	695.42	696.00	697.16
165	720.36	719.78	720.36	720.36	720.94	720.94	721.52	721.52	722.68	722.68
170	739.50	739.50	739.50	739.50	739.50	739.50	740.08	740.08	740.08	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	505.18	505.18	505.18	505.18	505.18	505.18	505.18	505.18	505.18
5	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02
10	497.64	497.64	497.64	497.64	497.64	497.64	497.64	497.64	497.64
15	487.20	487.20	487.20	487.20	487.20	487.20	487.20	487.20	487.20
20	472.12	472.12	471.54	472.12	471.54	471.54	471.54	471.54	471.54
25	452.40	452.40	452.40	452.40	452.40	452.40	452.40	452.40	452.40
30	429.78	429.20	429.20	429.20	429.20	429.20	429.20	428.62	428.62
35	403.10	403.10	402.52	402.52	402.52	402.52	401.94	401.94	401.94
40	373.52	372.94	372.94	372.94	372.94	372.36	372.36	372.36	372.36
45	340.46	340.46	340.46	339.88	339.88	339.88	339.88	339.88	339.88
50	305.08	305.08	305.08	304.50	304.50	304.50	304.50	304.50	304.50
55	267.96	267.38	267.38	267.38	267.38	266.80	266.80	266.80	266.80
60	227.94	227.94	227.94	227.36	227.36	227.36	227.36	227.36	227.36

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CANDELA TABULATION - (Cont.)

65	186.76	186.76	186.76	186.18	186.18	186.18	186.18	186.18	186.18
70	144.42	144.42	144.42	143.84	143.84	143.84	143.84	143.84	143.84
75	102.66	102.08	102.08	102.08	101.50	101.50	101.50	101.50	101.50
80	63.22	62.64	62.64	62.06	61.48	61.48	61.48	61.48	61.48
85	29.00	28.42	28.42	27.84	27.84	27.26	27.26	27.26	27.26
90	2.90	3.48	3.48	3.48	2.90	2.90	2.90	2.90	2.90
95	20.88	20.88	21.46	21.46	20.88	20.88	21.46	22.04	22.04
100	49.30	49.88	50.46	51.04	51.62	52.78	53.94	53.94	53.94
105	85.26	87.00	88.74	90.48	92.80	93.96	94.54	94.54	94.54
110	129.92	132.82	135.72	139.20	141.52	142.10	142.68	142.68	143.26
115	183.86	188.50	192.56	195.46	197.20	198.36	198.94	199.52	199.52
120	247.66	251.14	254.62	257.52	259.26	261.00	262.16	262.74	262.74
125	314.36	318.42	321.32	324.22	326.54	328.86	330.02	331.18	331.76
130	383.38	386.86	390.34	393.82	396.14	398.46	400.20	401.36	401.36
135	451.82	454.72	458.20	461.68	464.00	466.32	468.06	469.22	469.80
140	515.62	518.52	522.00	524.32	527.22	528.96	530.70	531.86	531.86
145	573.62	575.94	578.84	581.16	582.90	584.64	585.80	586.96	586.96
150	623.50	625.24	626.98	628.72	630.46	631.62	632.78	633.36	633.36
155	665.26	666.42	667.58	668.74	669.90	670.48	671.64	671.64	672.22
160	698.32	698.90	700.06	700.64	701.22	701.80	702.38	702.38	702.38
165	723.26	723.84	724.42	725.00	725.00	725.00	725.58	725.58	725.58
170	740.66	740.66	740.66	741.24	741.24	741.24	741.24	741.24	741.82
175	749.94	749.94	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	185.37	N.A.	5.60
0-30	394.05	N.A.	11.80
0-40	646.28	N.A.	19.40
0-60	1148.52	N.A.	34.50
0-80	1442.67	N.A.	43.30
0-90	1476.29	N.A.	44.30
10-90	1428.4	N.A.	42.90
20-40	460.91	N.A.	13.80
20-50	723.77	N.A.	21.70
40-70	687.25	N.A.	20.60
60-80	294.14	N.A.	8.80
70-80	109.14	N.A.	3.30
80-90	33.63	N.A.	1.00
90-110	116.25	N.A.	3.50
90-120	296.87	N.A.	8.90
90-130	573.16	N.A.	17.20
90-150	1275.25	N.A.	38.30
90-180	1855.81	N.A.	55.70
110-180	1739.56	N.A.	52.20
0-180	3332.1	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.90
10-20	137.47
20-30	208.68
30-40	252.22
40-50	262.86
50-60	239.39
60-70	185.00
70-80	109.14
80-90	33.63
90-100	25.17
100-110	91.08
110-120	180.61
120-130	276.29
130-140	345.32
140-150	356.77
150-160	305.42
160-170	203.85
170-180	71.28

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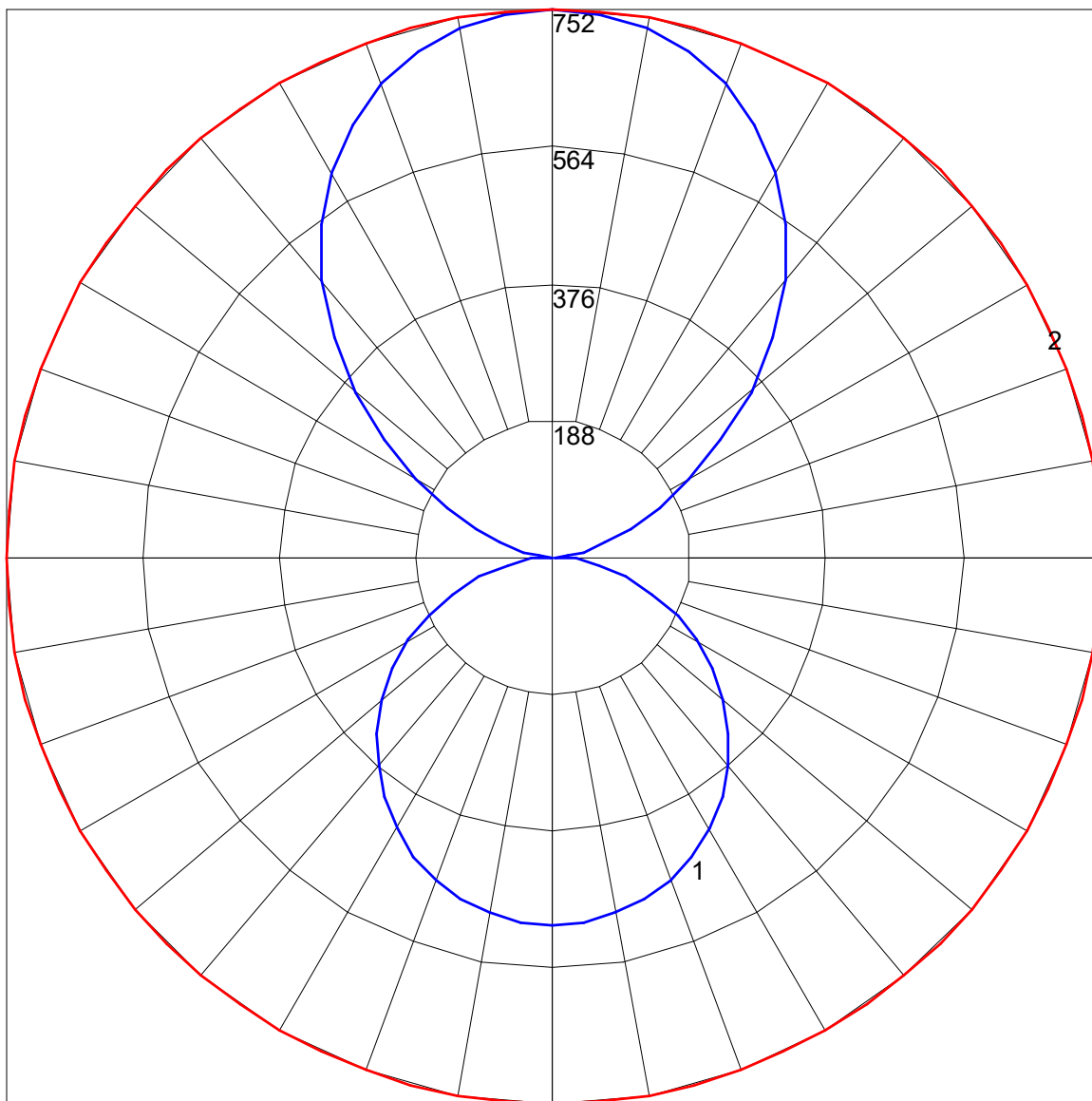
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U1D2_BL.IES

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	96	92	88	84	88	84	81	78	70	67	65	57	55	54	45	43	42	37
2	87	80	74	69	80	73	68	64	61	57	54	50	47	44	39	37	35	31
3	80	70	63	57	73	64	58	53	54	49	45	44	40	37	34	32	30	26
4	73	62	54	48	66	57	50	45	47	42	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	43	38	42	37	33	35	31	27	27	25	22	19
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	23	20	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	18	15	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	12
10	46	33	26	21	42	31	25	20	26	21	18	22	18	15	18	15	12	10

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.)