



IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	111	115	117	117
Total Lumens, 4' rail length (1219mm)	3303	3407	3477	3477
Lumens per foot (305mm)	476	491	501	501
Lumens per foot UP (305mm)	350	361	368	368
Lumens per foot DOWN (305mm)	826	852	869	869
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_U2D2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010920 (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-U2D2-BL

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

[MORE] up/soft diffuse 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	3477
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
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	4486	4588	4932
55	4168	4300	4762
65	3693	3859	4491
75	2914	3112	3941
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	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02
5	502.28	502.28	502.28	502.28	502.28	502.28	502.28	502.28	502.28	502.28
10	496.48	496.48	496.48	496.48	496.48	496.48	496.48	496.48	496.48	495.90
15	485.46	485.46	485.46	485.46	485.46	485.46	485.46	485.46	485.46	485.46
20	470.96	470.96	470.96	470.96	470.96	470.96	470.38	470.38	470.38	470.38
25	451.82	451.82	451.82	451.82	451.82	451.82	451.24	451.24	451.24	451.24
30	429.20	429.20	429.20	428.62	428.62	428.62	428.62	428.62	428.04	428.04
35	402.52	402.52	402.52	402.52	402.52	402.52	401.94	401.94	401.94	401.36
40	372.94	372.94	372.94	372.94	372.94	372.94	372.36	372.36	372.36	372.36
45	340.46	340.46	340.46	340.46	340.46	339.88	339.88	339.88	339.88	339.30
50	305.08	305.08	305.08	305.08	305.08	305.08	304.50	304.50	304.50	303.92
55	267.96	267.96	267.96	267.96	267.96	267.38	267.38	267.38	266.80	266.80
60	228.52	228.52	228.52	228.52	227.94	227.94	227.94	227.94	227.36	227.36
65	187.34	187.34	187.34	187.34	187.34	186.76	186.76	186.76	186.76	186.18
70	145.58	145.58	145.58	145.58	145.00	145.00	145.00	145.00	144.42	144.42
75	103.82	103.82	103.82	103.82	103.82	103.24	103.24	103.24	102.66	102.66
80	64.38	64.38	64.38	64.38	64.38	63.80	63.80	63.80	63.22	63.22
85	30.16	30.16	30.16	30.16	29.58	29.58	29.58	29.58	29.00	29.00
90	13.34	13.34	13.34	12.76	12.18	11.60	11.02	10.44	9.28	8.70
95	30.74	30.74	30.74	30.16	30.16	29.58	29.58	29.00	28.42	27.84
100	56.84	56.84	56.84	57.42	57.42	58.00	58.00	58.58	59.16	59.16
105	92.80	92.80	93.38	93.96	94.54	95.70	96.28	97.44	98.60	99.18
110	138.04	138.04	138.62	139.20	140.36	142.10	143.26	145.00	146.16	146.74
115	192.56	192.56	193.14	194.30	195.46	196.62	197.78	198.36	198.36	199.52
120	252.88	252.88	253.46	253.46	254.04	254.62	255.78	258.68	263.32	269.12
125	317.26	317.26	318.42	319.58	322.48	325.96	330.60	335.82	341.04	346.26
130	396.72	397.30	398.46	400.78	403.68	407.16	410.64	414.70	418.76	422.24
135	475.60	476.18	476.76	478.50	480.24	482.56	484.88	487.20	489.52	491.26
140	544.04	544.62	545.20	545.78	546.94	548.10	549.26	550.42	552.16	553.32
145	600.30	600.88	600.88	601.46	602.04	602.62	603.78	604.36	605.52	606.68
150	647.28	647.28	647.28	647.86	647.86	648.44	649.02	649.60	650.18	651.34
155	684.98	684.98	684.98	685.56	685.56	686.14	686.14	686.72	687.30	687.30
160	714.56	714.56	714.56	715.14	715.14	715.14	715.72	715.72	716.30	716.30
165	737.18	737.18	737.18	737.18	737.18	737.76	737.76	737.76	737.76	737.76
170	752.84	752.84	752.84	752.84	752.84	752.84	752.84	752.84	752.84	752.84
175	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54	760.96
180	763.28	763.28	763.28	763.28	763.28	763.28	763.28	763.28	763.28	763.28

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	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02	504.02
5	502.28	502.28	502.28	502.28	502.28	502.28	502.28	502.28	502.28
10	496.48	496.48	495.90	495.90	495.90	495.90	495.90	495.90	496.48
15	485.46	485.46	485.46	485.46	485.46	485.46	485.46	485.46	485.46
20	470.38	470.38	470.38	470.38	469.80	469.80	469.80	469.80	469.80
25	451.24	451.24	450.66	450.66	450.66	450.66	450.66	450.66	450.66
30	428.04	428.04	427.46	427.46	427.46	427.46	427.46	427.46	427.46
35	401.36	401.36	401.36	400.78	400.78	400.78	400.78	400.78	400.78
40	371.78	371.78	371.78	371.20	371.20	371.20	371.20	371.20	371.20
45	339.30	339.30	338.72	338.72	338.72	338.72	338.14	338.14	338.14
50	303.92	303.92	303.92	303.34	303.34	303.34	303.34	303.34	303.34
55	266.80	266.80	266.22	266.22	266.22	266.22	265.64	265.64	265.64
60	227.36	226.78	226.78	226.78	226.78	226.20	226.20	226.20	226.20

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CANDELA TABULATION - (Cont.)

65	186.18	186.18	186.18	185.60	185.60	185.60	185.60	185.60	185.60
70	144.42	143.84	143.84	143.84	143.26	143.26	143.26	143.26	143.26
75	102.08	102.08	102.08	101.50	101.50	101.50	100.92	100.92	100.92
80	62.64	62.64	62.06	62.06	61.48	61.48	61.48	60.90	60.90
85	28.42	28.42	28.42	27.84	27.84	27.26	27.26	27.26	27.26
90	7.54	6.38	5.80	4.64	3.48	2.90	2.32	1.74	1.74
95	27.26	26.68	26.10	24.94	24.36	23.78	22.62	23.20	23.20
100	59.16	59.16	59.16	58.58	56.84	57.42	58.58	58.58	58.58
105	99.76	100.34	99.18	98.02	101.50	103.24	103.82	103.82	103.82
110	146.16	146.16	149.64	153.70	156.60	157.76	158.34	158.34	158.34
115	203.00	208.80	213.44	217.50	219.24	220.40	220.98	220.98	221.56
120	274.92	280.14	284.20	286.52	288.26	289.42	290.58	291.16	291.16
125	350.90	354.38	357.28	359.02	360.76	361.92	363.08	363.66	363.66
130	424.56	426.88	429.20	430.94	432.68	433.84	434.42	435.00	435.58
135	493.58	495.32	497.06	498.80	499.38	500.54	501.70	502.28	502.28
140	554.48	556.22	557.38	558.54	559.70	560.28	560.86	561.44	561.44
145	607.26	608.42	609.58	610.16	610.74	611.32	611.90	611.90	612.48
150	651.92	652.50	653.08	653.66	654.24	654.24	654.82	654.82	654.82
155	687.88	688.46	688.46	689.04	689.62	689.62	689.62	689.62	690.20
160	716.30	716.88	716.88	716.88	717.46	717.46	717.46	717.46	717.46
165	738.34	738.34	738.34	738.34	738.34	738.34	738.34	738.34	738.34
170	752.84	752.84	752.84	752.84	752.84	753.42	753.42	752.84	752.84
175	760.96	761.54	761.54	761.54	761.54	761.54	761.54	761.54	761.54
180	763.28	763.28	763.28	763.28	763.28	763.28	763.28	763.28	763.28

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	184.76	N.A.	5.30
0-30	392.71	N.A.	11.30
0-40	643.99	N.A.	18.50
0-60	1144.2	N.A.	32.90
0-80	1437.36	N.A.	41.30
0-90	1472.38	N.A.	42.40
10-90	1424.62	N.A.	41.00
20-40	459.23	N.A.	13.20
20-50	721.02	N.A.	20.70
40-70	684.57	N.A.	19.70
60-80	293.16	N.A.	8.40
70-80	108.80	N.A.	3.10
80-90	35.01	N.A.	1.00
90-110	139.03	N.A.	4.00
90-120	344.13	N.A.	9.90
90-130	651.49	N.A.	18.70
90-150	1407.02	N.A.	40.50
90-180	2004.3	N.A.	57.60
110-180	1865.27	N.A.	53.70
0-180	3476.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.75
10-20	137.01
20-30	207.94
30-40	251.28
40-50	261.80
50-60	238.42
60-70	184.35
70-80	108.80
80-90	35.01
90-100	32.92
100-110	106.11
110-120	205.10
120-130	307.36
130-140	376.88
140-150	378.65
150-160	316.61
160-170	208.27
170-180	72.40

IES INDOOR REPORT

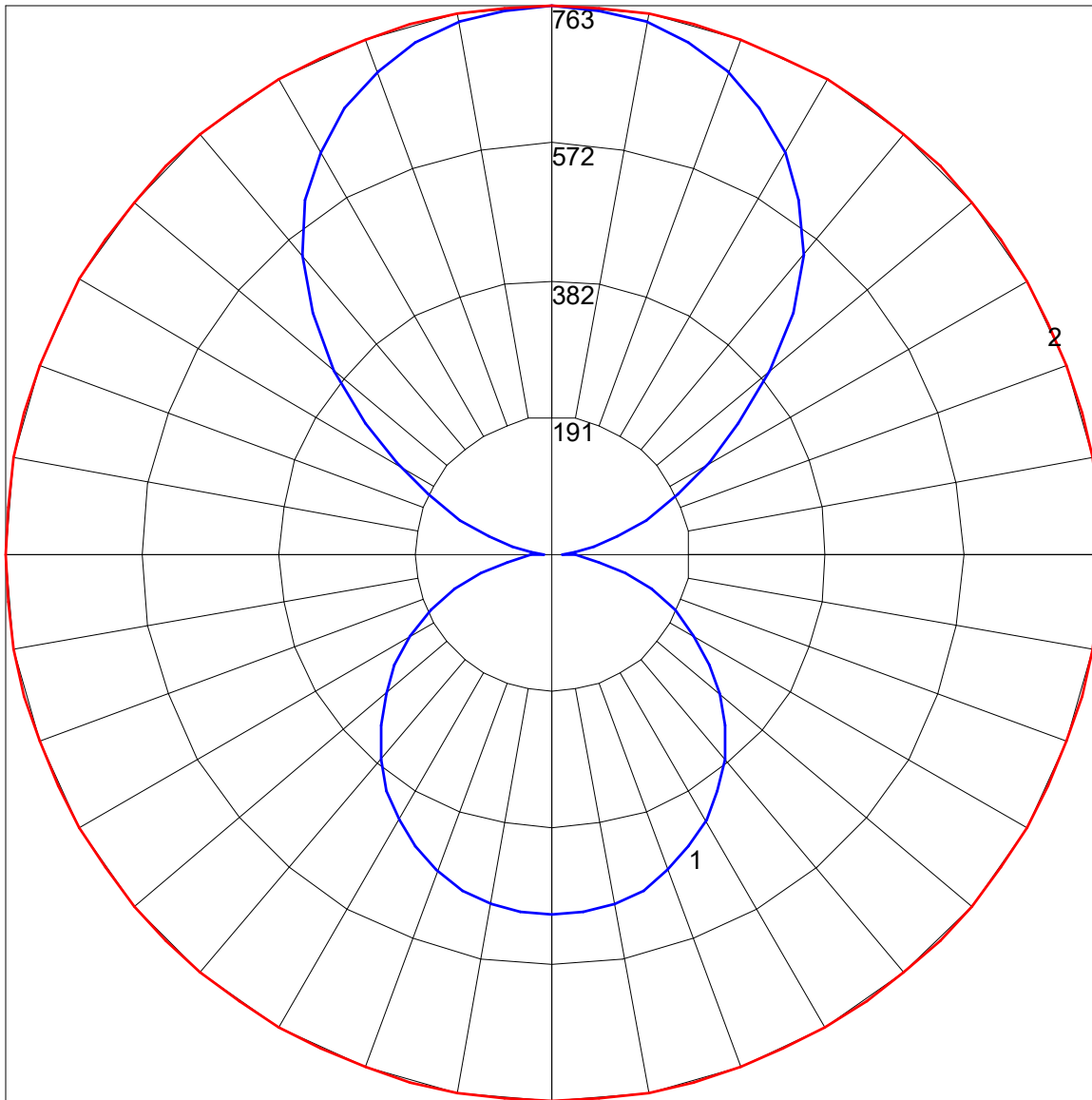
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_35_U2D2_BL.IES

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	79	79	79	63	63	63	49	49	49	42
1	96	91	88	84	87	84	80	77	69	67	64	55	54	52	43	42	41	35
2	87	80	73	68	79	73	68	63	60	56	53	48	46	43	38	36	34	29
3	79	70	62	57	72	64	58	52	53	48	44	43	39	36	33	31	29	24
4	72	62	54	48	66	56	50	44	47	42	37	38	34	31	29	27	25	21
5	66	55	47	41	60	50	43	38	42	36	32	34	30	27	26	24	21	18
6	61	49	41	35	55	45	38	33	37	32	28	30	26	23	24	21	19	16
7	56	44	36	31	51	41	34	29	34	28	24	28	24	20	22	19	17	14
8	52	40	32	27	48	37	30	25	31	25	22	25	21	18	20	17	15	12
9	49	36	29	24	44	34	27	22	28	23	19	23	19	16	18	15	13	11
10	45	33	26	21	41	31	24	20	26	21	17	21	17	15	17	14	12	10

POLAR GRAPH



Maximum Candela = 763.28 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.)