



IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U2S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	105	108	110	110
Total Lumens, 4' rail length (1219mm)	3100	3198	3263	3263
Lumens per foot (305mm)	775	800	816	816
Lumens per foot UP (305mm)	300	310	316	316
Lumens per foot DOWN (305mm)	475	490	500	500
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_U2S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010922 (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-U2S7-BL

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

[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	3263
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	29.78
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
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	6290	6619	7284
55	5079	5600	6488
65	3750	4244	5319
75	2523	2954	4032
85	1521	1596	2483

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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	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96
5	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64
10	749.94	749.94	749.94	749.94	749.94	749.94	749.94	749.94	749.94	750.52
15	734.86	734.86	734.86	734.86	734.86	734.86	734.86	734.86	735.44	735.44
20	712.24	712.24	712.24	712.24	712.82	712.82	712.82	713.40	713.40	713.98
25	682.08	682.08	682.66	682.66	683.24	683.24	683.82	683.82	684.40	684.98
30	644.38	644.38	644.96	644.96	645.54	646.12	646.12	647.28	647.86	648.44
35	598.56	598.56	599.14	599.14	599.72	600.30	601.46	602.04	603.20	603.78
40	543.46	543.46	544.04	544.62	545.20	546.36	547.52	548.68	549.84	551.00
45	477.34	477.34	478.50	479.66	480.82	482.56	484.30	486.04	487.78	489.52
50	403.10	403.68	404.26	406.00	407.74	410.06	412.38	415.86	418.76	421.08
55	326.54	327.12	327.70	329.44	331.76	334.66	336.98	340.46	343.94	347.42
60	252.88	253.46	254.04	255.20	256.94	259.84	262.74	266.80	270.28	273.76
65	190.24	190.24	190.82	191.98	193.14	194.88	196.62	198.94	201.26	204.74
70	135.72	135.72	136.30	136.88	138.62	139.78	141.52	143.26	144.42	145.58
75	89.90	89.90	90.48	91.06	92.22	92.80	93.96	95.70	96.86	97.44
80	54.52	54.52	54.52	55.10	55.10	55.68	56.26	56.84	56.84	57.42
85	29.58	29.58	29.58	29.00	29.00	28.42	27.84	27.84	27.26	26.68
90	12.76	12.76	12.76	12.18	11.60	11.02	10.44	9.86	8.70	8.12
95	3.48	3.48	3.48	3.48	3.48	4.06	4.06	4.06	4.64	4.64
100	8.70	8.70	8.70	9.28	9.28	9.86	10.44	11.02	11.60	11.60
105	15.66	16.24	16.24	16.82	17.98	18.56	19.72	20.88	21.46	22.62
110	27.26	27.26	27.84	29.00	30.16	31.90	33.64	34.80	36.54	37.70
115	44.08	44.66	45.24	46.98	49.30	51.62	54.52	56.84	59.16	60.90
120	70.18	70.76	72.50	74.82	77.72	81.78	85.84	89.90	93.38	95.70
125	111.36	112.52	114.26	117.74	122.38	128.18	133.98	139.20	144.42	147.90
130	173.42	174.00	176.90	181.54	187.34	194.88	201.84	208.80	214.60	218.66
135	256.94	258.10	261.58	266.22	273.18	280.72	288.26	295.80	301.02	304.50
140	355.54	356.70	359.60	364.82	370.62	377.00	383.38	389.18	393.24	395.56
145	455.30	455.88	458.20	461.68	465.74	470.38	474.44	477.92	480.24	480.24
150	541.14	541.14	542.88	544.62	546.94	549.26	551.00	552.74	553.32	552.74
155	606.68	607.26	607.84	608.42	609.00	610.16	610.16	610.74	610.74	609.58
160	654.24	654.24	654.24	654.24	654.82	654.82	654.24	654.24	653.66	653.08
165	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.40	684.40	683.82
170	704.12	704.12	704.12	704.12	704.12	704.12	704.12	704.12	703.54	703.54
175	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56
180	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46

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	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96	760.96
5	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64	758.64
10	750.52	750.52	750.52	750.52	750.52	750.52	750.52	750.52	750.52
15	735.44	735.44	735.44	736.02	736.02	736.02	736.02	736.02	736.02
20	713.98	714.56	714.56	714.56	714.56	715.14	715.14	715.14	715.14
25	685.56	685.56	686.14	686.72	686.72	686.72	687.30	687.30	687.30
30	649.02	649.60	650.18	650.76	651.34	651.92	651.92	651.92	651.92
35	604.94	605.52	606.68	607.26	607.84	608.42	609.00	609.00	609.58
40	552.16	553.32	554.48	555.64	556.80	557.38	557.96	558.54	558.54
45	491.26	493.00	494.16	495.90	497.06	498.22	498.80	499.38	499.38
50	423.40	425.14	426.88	428.62	430.36	431.52	432.10	432.68	432.68
55	350.90	353.80	355.54	357.28	359.02	360.18	360.76	361.34	361.92
60	277.24	281.30	283.62	285.36	287.10	287.68	288.84	289.42	289.42

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CANDELA TABULATION - (Cont.)

65	208.22	211.70	214.60	216.92	218.08	219.24	219.82	219.82	219.82
70	147.32	149.64	152.54	154.86	156.60	157.18	157.18	157.76	157.76
75	98.60	98.60	99.18	100.34	102.08	103.24	103.24	103.24	103.24
80	58.00	58.00	58.00	57.42	56.84	58.00	58.58	58.00	58.00
85	26.10	25.52	24.94	24.36	23.78	23.20	22.62	22.62	22.62
90	6.96	5.80	5.22	4.06	3.48	2.90	2.32	1.74	1.74
95	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64	4.64
100	12.18	12.18	12.76	12.76	12.76	12.76	12.76	12.76	12.76
105	23.20	23.20	23.78	23.78	23.78	24.36	24.36	24.36	24.36
110	38.86	39.44	39.44	40.02	40.02	39.44	39.44	39.44	39.44
115	62.06	62.64	63.22	62.64	62.06	61.48	61.48	60.90	60.90
120	97.44	98.02	97.44	96.28	95.12	93.96	92.80	92.22	91.64
125	149.64	149.64	148.48	146.16	143.84	141.52	139.20	138.04	137.46
130	220.40	219.82	216.92	213.44	209.96	205.90	203.00	200.68	200.10
135	305.08	303.92	300.44	295.80	290.58	285.94	282.46	280.14	278.98
140	394.98	393.24	389.18	383.96	379.32	374.68	370.62	368.30	367.72
145	479.66	477.34	473.86	469.22	465.16	461.10	457.62	455.88	455.30
150	551.58	549.26	546.36	542.88	539.98	537.08	534.76	533.60	533.02
155	608.42	606.68	604.94	603.20	600.88	599.72	597.98	597.40	597.40
160	652.50	651.34	650.18	649.02	647.86	647.28	646.70	646.12	645.54
165	683.24	682.66	682.08	681.50	681.50	680.92	680.34	680.34	680.34
170	703.54	702.96	702.96	702.96	702.96	702.38	702.38	702.38	702.38
175	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56	714.56
180	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46	717.46

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	279.70	N.A.	8.60
0-30	595.11	N.A.	18.20
0-40	972.19	N.A.	29.80
0-60	1657.56	N.A.	50.80
0-80	1967.72	N.A.	60.30
0-90	1999.6	N.A.	61.30
10-90	1927.46	N.A.	59.10
20-40	692.50	N.A.	21.20
20-50	1068.62	N.A.	32.70
40-70	890.68	N.A.	27.30
60-80	310.16	N.A.	9.50
70-80	104.84	N.A.	3.20
80-90	31.88	N.A.	1.00
90-110	30.94	N.A.	0.90
90-120	89.42	N.A.	2.70
90-130	214.55	N.A.	6.60
90-150	726.23	N.A.	22.30
90-180	1263.83	N.A.	38.70
110-180	1232.9	N.A.	37.80
0-180	3263.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	72.14
10-20	207.55
20-30	315.41
30-40	377.09
40-50	376.13
50-60	309.24
60-70	205.32
70-80	104.84
80-90	31.88
90-100	7.46
100-110	23.48
110-120	58.48
120-130	125.13
130-140	221.43
140-150	290.24
150-160	277.50
160-170	192.26
170-180	67.85

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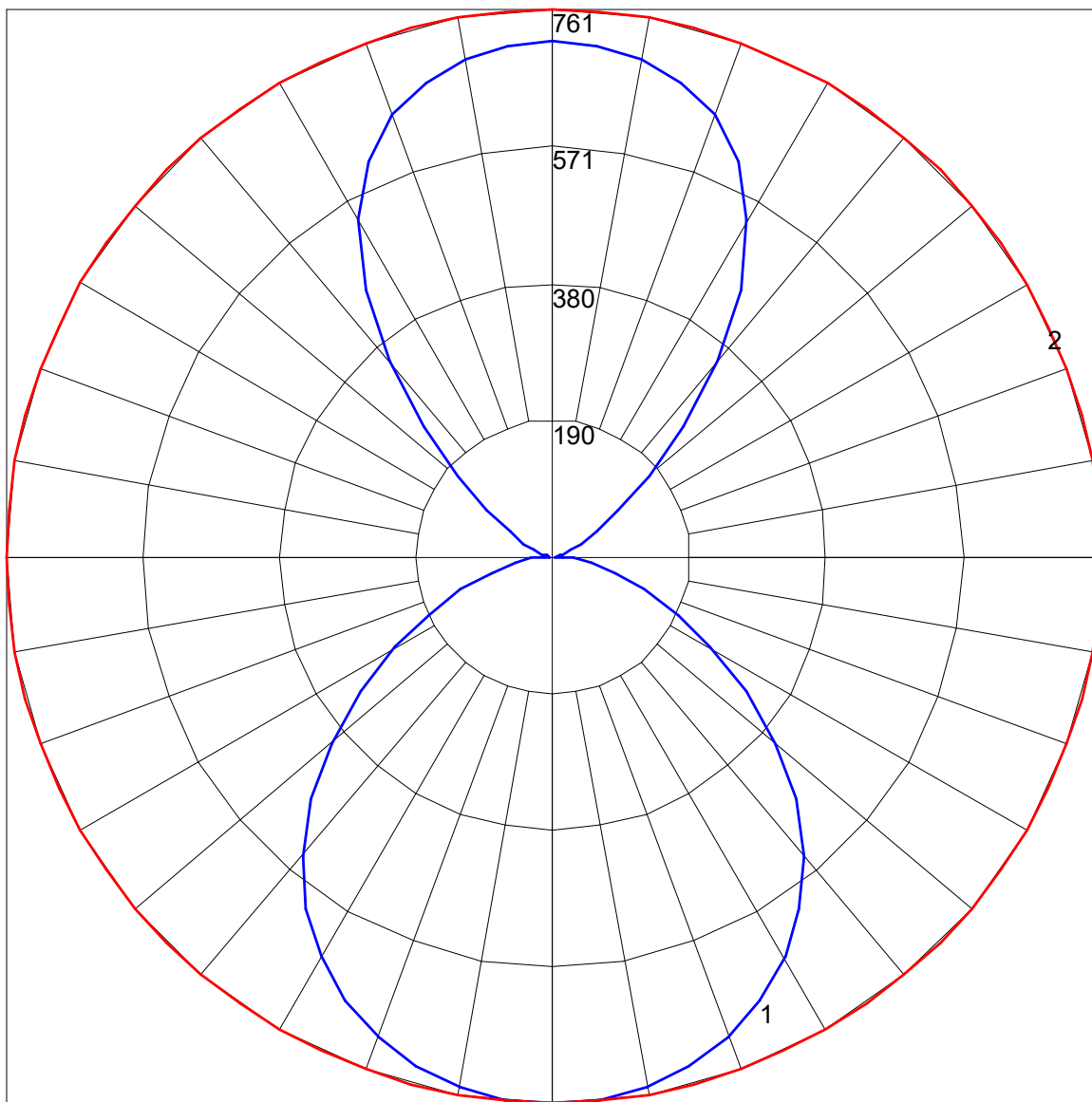
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	66	66	66	61
1	101	96	92	89	94	90	87	84	79	76	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	69	65	62	61	57	55	52	50	48	44
3	84	74	67	61	78	70	63	58	61	56	52	54	50	47	47	44	41	37
4	77	66	58	52	72	62	55	49	55	49	45	48	44	40	42	38	36	32
5	71	59	51	45	66	55	48	43	49	43	39	43	38	35	38	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	31	34	30	27	25
7	60	48	40	34	56	45	38	33	40	34	30	36	31	27	31	27	24	22
8	56	43	36	30	52	41	34	29	37	31	27	33	28	24	29	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	36	29	24	46	35	28	23	31	25	22	28	23	20	24	21	18	16

POLAR GRAPH



Maximum Candela = 760.96 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)