

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2D2-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	90	93	95	97
Total Lumens, 4' rail length (1219mm)	2760	2847	2905	2963
Lumens per foot (305mm)	690	712	726	741
Lumens per foot UP (305mm)	1511	1559	1590	1622
Lumens per foot DOWN (305mm)	1249	1288	1315	1341
Input Power (W), 4' rail length (1219mm)	30.8	30.8	30.8	30.8
Watts per foot (305mm)	7.8	7.8	7.8	7.8
CRI*	96	96	96	96

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.

* R9: ~74 @ 3500K



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707-Z3-CC-LO-359-U2D2-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L081800702 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 8/15/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z3-CC-Z-LO-359-U2D2-AL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens with edgeglow 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	2905
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	30.82
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)	0.25 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4281	4340	4555
55	4005	4084	4365
65	3616	3708	4078
75	3024	3105	3549
85	1837	1938	2684

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	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
5	456.0	456.0	456.0	456.0	456.0	456.0	456.0	456.0	456.0	456.0
10	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0	450.0
15	439.5	439.5	439.5	439.5	439.5	439.5	439.5	439.5	439.5	439.5
20	425.5	425.5	425.5	425.5	425.5	425.5	425.0	425.0	425.0	425.0
25	407.5	407.5	407.5	407.5	407.5	407.5	407.0	407.0	407.0	406.5
30	386.0	386.0	386.0	386.0	386.0	385.5	385.5	385.5	385.0	385.0
35	361.5	361.5	361.5	361.5	361.0	361.0	361.0	360.5	360.5	360.0
40	334.0	334.0	334.0	334.0	333.5	333.5	333.5	333.0	333.0	332.5
45	304.0	304.0	304.0	304.0	303.5	303.5	303.0	303.0	302.5	302.5
50	272.0	272.0	272.0	271.5	271.5	271.0	271.0	270.5	270.5	270.0
55	238.0	238.0	238.0	238.0	237.5	237.5	237.0	237.0	236.5	236.5
60	202.5	202.5	202.5	202.5	202.5	202.0	202.0	201.5	201.0	201.0
65	166.5	166.5	166.5	166.5	166.0	166.0	165.5	165.0	165.0	164.5
70	130.5	130.5	130.0	130.0	130.0	129.5	129.0	128.5	128.0	128.0
75	94.5	94.5	94.5	94.0	94.0	93.5	93.0	92.5	92.0	91.5
80	60.0	60.0	60.0	59.5	59.5	59.0	59.0	58.5	58.0	57.5
85	28.5	28.5	28.5	28.0	28.0	28.0	27.5	27.5	27.0	26.5
90	7.0	7.0	7.0	7.0	6.5	6.0	5.5	5.0	4.5	4.0
95	20.5	20.5	20.5	20.5	20.0	20.0	19.5	19.5	19.0	18.5
100	42.0	42.0	42.0	42.0	42.5	42.5	42.5	42.5	43.0	43.0
105	70.0	70.0	70.5	70.5	71.0	72.0	72.5	73.0	74.0	75.0
110	106.0	106.5	106.5	107.5	108.0	109.5	110.5	112.0	113.0	114.5
115	151.0	151.0	151.5	152.5	153.5	155.0	157.0	158.5	160.5	162.5
120	204.0	204.0	204.5	205.5	207.0	208.5	210.5	212.5	214.5	216.5
125	262.5	262.5	263.5	264.5	265.5	267.0	269.0	271.0	273.5	275.5
130	323.0	323.0	323.5	324.5	325.5	327.0	329.0	331.0	332.5	334.5
135	381.0	381.5	382.0	382.5	383.5	385.0	386.0	387.5	389.0	390.5
140	434.0	434.5	434.5	435.0	436.0	436.5	437.5	438.5	439.5	440.5
145	480.0	480.0	480.5	480.5	481.0	481.5	482.0	482.5	483.0	483.5
150	517.5	517.5	517.5	518.0	518.0	518.5	518.5	519.0	519.0	519.5
155	548.0	548.0	548.0	548.5	548.5	548.5	548.5	549.0	549.0	549.5
160	572.5	572.5	572.5	572.5	572.5	573.0	573.0	573.0	573.0	573.5
165	591.0	591.0	591.0	591.0	591.0	591.5	591.5	591.5	591.5	591.5
170	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0	604.0
175	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5
180	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0

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	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0	458.0
5	456.0	456.0	456.0	456.0	456.0	456.0	456.0	456.0	456.0
10	450.0	450.0	450.0	450.0	449.5	449.5	449.5	449.5	449.5
15	439.5	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0
20	425.0	424.5	424.5	424.5	424.5	424.5	424.5	424.5	424.5
25	406.5	406.5	406.5	406.0	406.0	406.0	406.0	406.0	406.0
30	385.0	384.5	384.5	384.5	384.0	384.0	384.0	384.0	384.0
35	360.0	360.0	359.5	359.5	359.0	359.0	359.0	359.0	359.0
40	332.5	332.0	332.0	331.5	331.5	331.5	331.5	331.0	331.0
45	302.0	302.0	301.5	301.5	301.5	301.0	301.0	301.0	301.0
50	270.0	269.5	269.5	269.0	269.0	269.0	268.5	268.5	268.5
55	236.0	235.5	235.5	235.0	235.0	235.0	234.5	234.5	234.5
60	200.5	200.0	199.5	199.5	199.0	199.0	199.0	198.5	198.5

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CANDELA TABULATION - (Cont.)

65	164.0	163.5	163.0	162.5	162.5	162.0	162.0	161.5	162.0
70	127.0	126.5	126.0	125.5	125.0	124.5	124.5	124.0	124.0
75	91.0	90.5	89.5	89.0	88.5	87.5	87.5	87.0	87.0
80	56.5	56.0	55.5	54.5	54.0	53.0	52.5	52.5	52.0
85	26.0	26.0	25.5	25.0	24.5	24.0	23.5	23.0	23.0
90	3.5	3.0	2.5	2.0	1.5	1.5	1.0	0.5	0.5
95	18.5	18.0	17.5	17.0	17.0	16.5	16.0	16.0	15.5
100	43.0	43.0	43.5	43.5	43.0	43.0	43.0	42.5	42.5
105	75.5	76.5	77.0	77.5	77.5	78.0	78.0	78.0	78.0
110	116.0	117.5	118.5	119.5	120.0	120.5	120.5	121.0	120.5
115	164.0	166.0	167.5	168.5	169.5	170.5	170.5	171.0	171.0
120	219.0	221.0	222.5	224.0	225.5	226.0	226.5	227.0	227.0
125	277.5	279.5	281.5	282.5	284.0	284.5	285.0	285.5	285.5
130	336.5	338.0	339.5	340.5	341.5	342.0	342.5	343.0	343.0
135	392.0	393.0	394.0	395.0	395.5	396.0	396.5	396.5	397.0
140	441.0	442.0	442.5	443.5	443.5	444.0	444.5	444.5	444.5
145	484.0	484.5	485.0	485.5	485.5	486.0	486.0	486.5	486.5
150	520.0	520.5	520.5	521.0	521.0	521.0	521.5	521.5	521.5
155	549.5	550.0	550.0	550.0	550.5	550.5	550.5	550.5	550.5
160	573.5	573.5	573.5	573.5	574.0	574.0	574.0	574.0	574.0
165	591.5	591.5	591.5	591.5	591.5	591.5	592.0	592.0	592.0
170	604.0	604.0	604.0	604.0	604.0	604.5	604.0	604.0	604.5
175	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5
180	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	167.30	N.A.	5.80
0-30	354.72	N.A.	12.20
0-40	580.05	N.A.	20.00
0-60	1024.48	N.A.	35.30
0-80	1283.78	N.A.	44.20
0-90	1314.62	N.A.	45.30
10-90	1271.28	N.A.	43.80
20-40	412.75	N.A.	14.20
20-50	646.04	N.A.	22.20
40-70	607.02	N.A.	20.90
60-80	259.30	N.A.	8.90
70-80	96.71	N.A.	3.30
80-90	30.84	N.A.	1.10
90-110	103.43	N.A.	3.60
90-120	265.13	N.A.	9.10
90-130	510.91	N.A.	17.60
90-150	1112.42	N.A.	38.30
90-180	1590.47	N.A.	54.70
110-180	1487.04	N.A.	51.20
0-180	2905.08	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	43.33
10-20	123.97
20-30	187.42
30-40	225.33
40-50	233.29
50-60	211.14
60-70	162.59
70-80	96.71
80-90	30.84
90-100	22.77
100-110	80.66
110-120	161.70
120-130	245.78
130-140	299.78
140-150	301.72
150-160	253.01
160-170	166.90
170-180	58.13

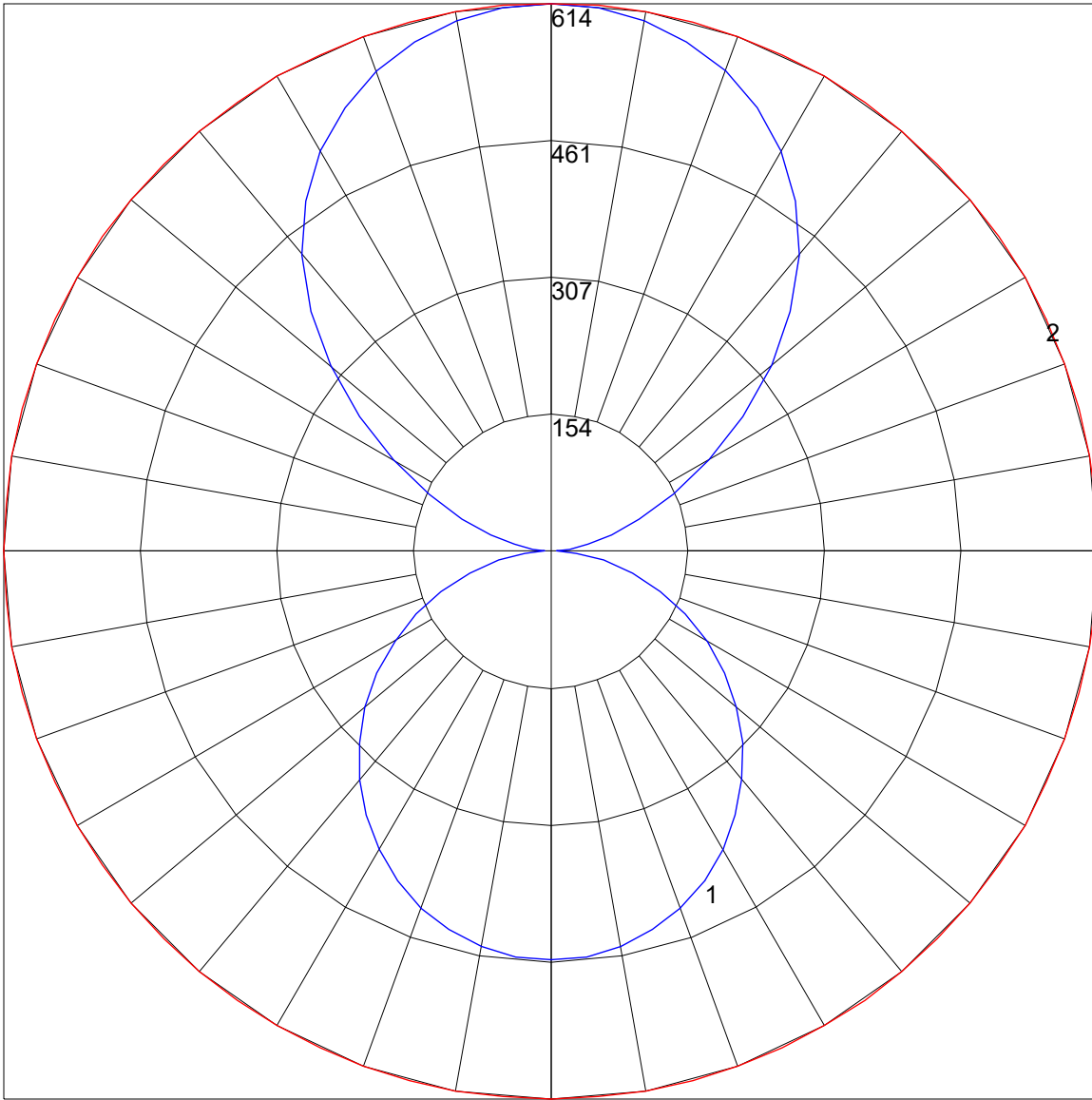
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	45	0
1	96	92	88	85	88	85	81	78	70	68	66	57	56	54	45	44	43	38	0
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	40	38	36	31	0
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	33	31	26	0
4	73	62	54	48	67	57	50	45	48	43	38	39	35	32	31	28	26	22	0
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19	0
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17	0
7	57	45	37	31	52	41	34	29	35	29	25	29	24	21	23	20	18	15	0
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13	0
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12	0
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11	0

POLAR GRAPH



Maximum Candela = 614 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (180) (Through Max. Cd.)