

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U1D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	98
Total Lumens, 4' rail length (1219mm)	2729	2815	2873	2901
Lumens per foot (305mm)	682	704	718	725
Lumens per foot UP (305mm)	380	392	400	404
Lumens per foot DOWN (305mm)	302	312	318	321
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	94	94	94	94

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_359_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-359-U1D2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 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	2873
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
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	3880	3975	4274
55	3609	3723	4123
65	3193	3347	3884
75	2526	2683	3417
85	1337	1495	2580

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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	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5
5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5
10	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
15	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0
20	407.5	407.0	407.5	407.5	407.0	407.0	407.0	407.0	407.0	407.0
25	391.0	391.0	391.0	391.0	390.5	390.5	390.5	390.5	390.5	390.5
30	371.0	371.0	371.0	371.0	371.0	371.0	371.0	370.5	370.5	370.5
35	348.5	348.5	348.5	348.0	348.0	348.0	348.0	348.0	347.5	347.5
40	323.0	323.0	323.0	323.0	323.0	322.5	322.5	322.5	322.0	322.0
45	294.5	294.5	294.5	294.5	294.5	294.5	294.5	294.0	294.0	294.0
50	264.5	264.5	264.5	264.0	264.0	264.0	264.0	263.5	263.5	263.5
55	232.0	232.0	232.0	232.0	231.5	231.5	231.5	231.5	231.0	231.0
60	197.5	197.5	197.5	197.5	197.5	197.5	197.0	197.0	197.0	197.0
65	162.0	162.0	162.0	162.0	162.0	162.0	161.5	161.5	161.5	161.5
70	126.0	126.0	126.0	125.5	125.5	125.5	125.5	125.0	125.0	125.0
75	90.0	90.0	90.0	89.5	89.5	89.5	89.5	89.0	89.0	88.5
80	55.5	55.5	55.5	55.5	55.5	55.5	55.0	55.0	55.0	54.5
85	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.0	25.0
90	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
95	17.0	17.0	17.0	17.0	17.5	17.5	17.5	18.0	18.0	18.0
100	37.0	37.0	37.0	37.5	38.0	38.5	39.5	40.5	41.0	42.0
105	64.5	64.5	65.0	65.5	66.5	67.5	68.5	70.0	71.0	72.0
110	98.0	98.0	99.0	99.5	100.5	102.0	103.5	105.0	107.0	109.5
115	138.0	138.0	139.0	140.0	141.5	144.0	146.5	149.0	152.0	155.0
120	187.0	187.5	188.5	190.0	191.5	194.0	197.0	200.0	204.0	209.0
125	243.0	243.0	244.0	246.0	248.5	251.5	255.0	259.5	263.5	267.5
130	305.5	306.0	307.0	309.0	311.5	314.5	317.5	321.0	324.0	327.5
135	369.0	369.5	370.5	371.5	373.5	375.5	378.0	380.5	383.5	386.5
140	428.0	428.0	428.5	429.5	431.0	433.0	435.0	437.0	439.5	442.0
145	480.5	481.0	481.5	482.0	483.5	484.5	486.5	488.0	490.0	492.0
150	526.5	527.0	527.0	527.5	528.5	529.5	531.0	532.5	534.0	535.5
155	565.5	565.5	566.0	566.0	567.0	567.5	568.5	569.5	571.0	572.0
160	597.0	597.0	597.0	597.5	598.0	598.5	599.0	599.5	600.0	601.0
165	621.0	620.5	621.0	621.0	621.5	621.5	622.0	622.0	623.0	623.0
170	637.5	637.5	637.5	637.5	637.5	637.5	638.0	638.0	638.0	638.5
175	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5	646.5
180	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5

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	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5
5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5
10	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0	429.0
15	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0
20	407.0	407.0	406.5	407.0	406.5	406.5	406.5	406.5	406.5
25	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0	390.0
30	370.5	370.0	370.0	370.0	370.0	370.0	370.0	369.5	369.5
35	347.5	347.5	347.0	347.0	347.0	347.0	346.5	346.5	346.5
40	322.0	321.5	321.5	321.5	321.5	321.0	321.0	321.0	321.0
45	293.5	293.5	293.5	293.0	293.0	293.0	293.0	293.0	293.0
50	263.0	263.0	263.0	262.5	262.5	262.5	262.5	262.5	262.5
55	231.0	230.5	230.5	230.5	230.5	230.0	230.0	230.0	230.0
60	196.5	196.5	196.5	196.0	196.0	196.0	196.0	196.0	196.0

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CANDELA TABULATION - (Cont.)

65	161.0	161.0	161.0	160.5	160.5	160.5	160.5	160.5	160.5
70	124.5	124.5	124.5	124.0	124.0	124.0	124.0	124.0	124.0
75	88.5	88.0	88.0	88.0	87.5	87.5	87.5	87.5	87.5
80	54.5	54.0	54.0	53.5	53.0	53.0	53.0	53.0	53.0
85	25.0	24.5	24.5	24.0	24.0	23.5	23.5	23.5	23.5
90	2.5	3.0	3.0	3.0	2.5	2.5	2.5	2.5	2.5
95	18.0	18.0	18.5	18.5	18.0	18.0	18.5	19.0	19.0
100	42.5	43.0	43.5	44.0	44.5	45.5	46.5	46.5	46.5
105	73.5	75.0	76.5	78.0	80.0	81.0	81.5	81.5	81.5
110	112.0	114.5	117.0	120.0	122.0	122.5	123.0	123.0	123.5
115	158.5	162.5	166.0	168.5	170.0	171.0	171.5	172.0	172.0
120	213.5	216.5	219.5	222.0	223.5	225.0	226.0	226.5	226.5
125	271.0	274.5	277.0	279.5	281.5	283.5	284.5	285.5	286.0
130	330.5	333.5	336.5	339.5	341.5	343.5	345.0	346.0	346.0
135	389.5	392.0	395.0	398.0	400.0	402.0	403.5	404.5	405.0
140	444.5	447.0	450.0	452.0	454.5	456.0	457.5	458.5	458.5
145	494.5	496.5	499.0	501.0	502.5	504.0	505.0	506.0	506.0
150	537.5	539.0	540.5	542.0	543.5	544.5	545.5	546.0	546.0
155	573.5	574.5	575.5	576.5	577.5	578.0	579.0	579.0	579.5
160	602.0	602.5	603.5	604.0	604.5	605.0	605.5	605.5	605.5
165	623.5	624.0	624.5	625.0	625.0	625.0	625.5	625.5	625.5
170	638.5	638.5	638.5	639.0	639.0	639.0	639.0	639.0	639.5
175	646.5	646.5	647.0	647.0	647.0	647.0	647.0	647.0	647.0
180	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5	648.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	159.80	N.A.	5.60
0-30	339.70	N.A.	11.80
0-40	557.14	N.A.	19.40
0-60	990.11	N.A.	34.50
0-80	1243.68	N.A.	43.30
0-90	1272.67	N.A.	44.30
10-90	1231.38	N.A.	42.90
20-40	397.33	N.A.	13.80
20-50	623.94	N.A.	21.70
40-70	592.46	N.A.	20.60
60-80	253.57	N.A.	8.80
70-80	94.09	N.A.	3.30
80-90	28.99	N.A.	1.00
90-110	100.22	N.A.	3.50
90-120	255.92	N.A.	8.90
90-130	494.10	N.A.	17.20
90-150	1099.36	N.A.	38.30
90-180	1599.83	N.A.	55.70
110-180	1499.62	N.A.	52.20
0-180	2872.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.29
10-20	118.51
20-30	179.90
30-40	217.43
40-50	226.60
50-60	206.37
60-70	159.49
70-80	94.09
80-90	28.99
90-100	21.70
100-110	78.52
110-120	155.70
120-130	238.19
130-140	297.69
140-150	307.56
150-160	263.30
160-170	175.73
170-180	61.45

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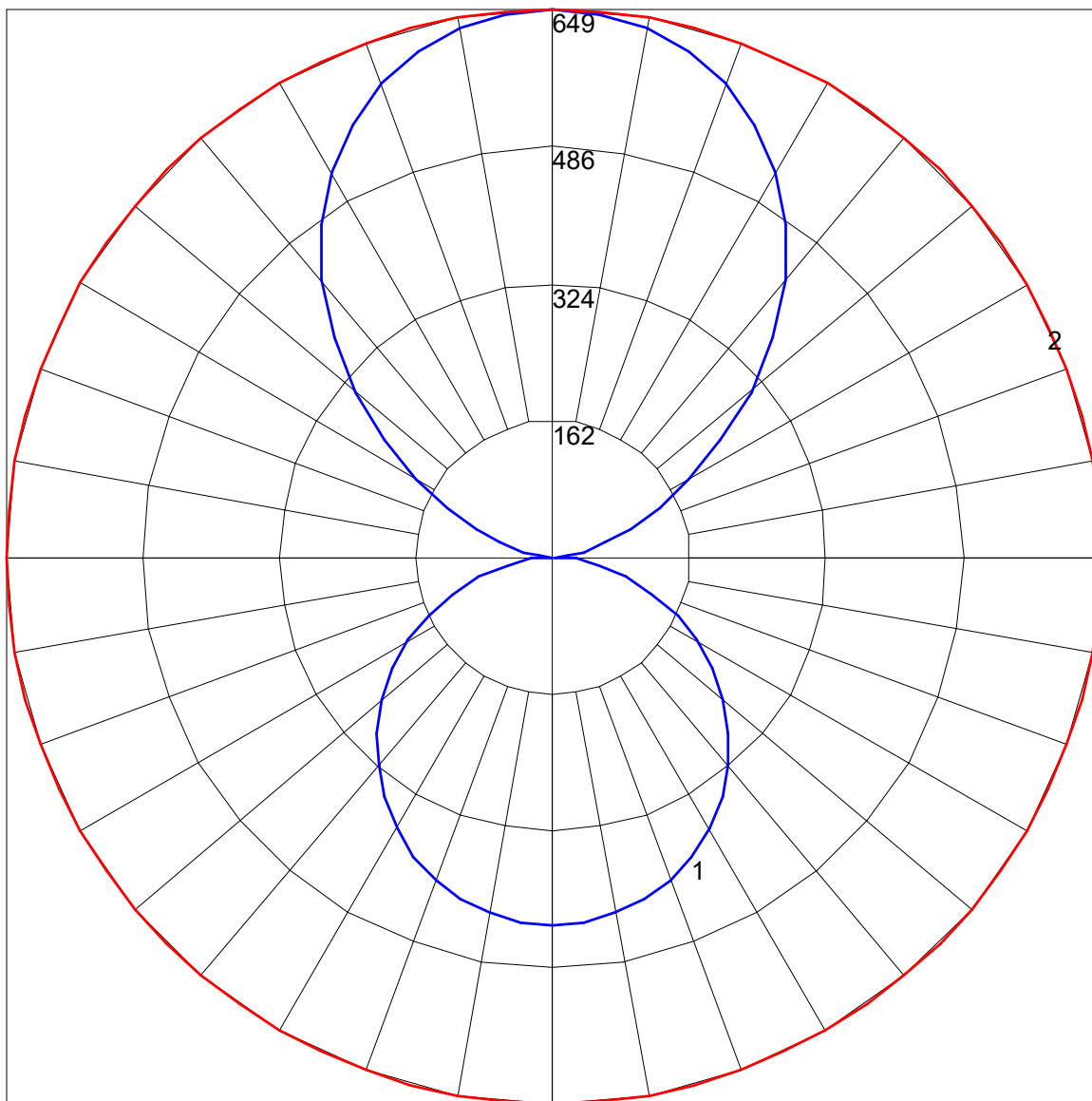
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U1D2_BL.IES

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	63	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 = 648.5 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.)