



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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	96	99	101	102
Total Lumens, 4' rail length (1219mm)	2847	2937	2997	3027
Lumens per foot (305mm)	410	423	432	436
Lumens per foot UP (305mm)	301	311	317	320
Lumens per foot DOWN (305mm)	712	734	749	757
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_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-359-U2D2-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 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	2997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
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	3867	3955	4252
55	3593	3707	4105
65	3184	3327	3872
75	2512	2683	3398
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	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5
5	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
10	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	428.0	427.5
15	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5
20	406.0	406.0	406.0	406.0	406.0	406.0	405.5	405.5	405.5	405.5
25	389.5	389.5	389.5	389.5	389.5	389.5	389.0	389.0	389.0	389.0
30	370.0	370.0	370.0	369.5	369.5	369.5	369.5	369.5	369.0	369.0
35	347.0	347.0	347.0	347.0	347.0	347.0	346.5	346.5	346.5	346.0
40	321.5	321.5	321.5	321.5	321.5	321.5	321.0	321.0	321.0	321.0
45	293.5	293.5	293.5	293.5	293.5	293.0	293.0	293.0	293.0	292.5
50	263.0	263.0	263.0	263.0	263.0	263.0	262.5	262.5	262.5	262.0
55	231.0	231.0	231.0	231.0	231.0	230.5	230.5	230.5	230.0	230.0
60	197.0	197.0	197.0	197.0	196.5	196.5	196.5	196.5	196.0	196.0
65	161.5	161.5	161.5	161.5	161.5	161.0	161.0	161.0	161.0	160.5
70	125.5	125.5	125.5	125.5	125.0	125.0	125.0	125.0	124.5	124.5
75	89.5	89.5	89.5	89.5	89.5	89.0	89.0	89.0	88.5	88.5
80	55.5	55.5	55.5	55.5	55.5	55.0	55.0	55.0	54.5	54.5
85	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.5	25.0	25.0
90	11.5	11.5	11.5	11.0	10.5	10.0	9.5	9.0	8.0	7.5
95	26.5	26.5	26.5	26.0	26.0	25.5	25.5	25.0	24.5	24.0
100	49.0	49.0	49.0	49.5	49.5	50.0	50.0	50.5	51.0	51.0
105	80.0	80.0	80.5	81.0	81.5	82.5	83.0	84.0	85.0	85.5
110	119.0	119.0	119.5	120.0	121.0	122.5	123.5	125.0	126.0	126.5
115	166.0	166.0	166.5	167.5	168.5	169.5	170.5	171.0	171.0	172.0
120	218.0	218.0	218.5	218.5	219.0	219.5	220.5	223.0	227.0	232.0
125	273.5	273.5	274.5	275.5	278.0	281.0	285.0	289.5	294.0	298.5
130	342.0	342.5	343.5	345.5	348.0	351.0	354.0	357.5	361.0	364.0
135	410.0	410.5	411.0	412.5	414.0	416.0	418.0	420.0	422.0	423.5
140	469.0	469.5	470.0	470.5	471.5	472.5	473.5	474.5	476.0	477.0
145	517.5	518.0	518.0	518.5	519.0	519.5	520.5	521.0	522.0	523.0
150	558.0	558.0	558.0	558.5	558.5	559.0	559.5	560.0	560.5	561.5
155	590.5	590.5	590.5	591.0	591.0	591.5	591.5	592.0	592.5	592.5
160	616.0	616.0	616.0	616.5	616.5	616.5	617.0	617.0	617.5	617.5
165	635.5	635.5	635.5	635.5	635.5	636.0	636.0	636.0	636.0	636.0
170	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0
175	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.0
180	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0

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	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5	434.5
5	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0	433.0
10	428.0	428.0	427.5	427.5	427.5	427.5	427.5	427.5	428.0
15	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5	418.5
20	405.5	405.5	405.5	405.5	405.0	405.0	405.0	405.0	405.0
25	389.0	389.0	388.5	388.5	388.5	388.5	388.5	388.5	388.5
30	369.0	369.0	368.5	368.5	368.5	368.5	368.5	368.5	368.5
35	346.0	346.0	346.0	345.5	345.5	345.5	345.5	345.5	345.5
40	320.5	320.5	320.5	320.0	320.0	320.0	320.0	320.0	320.0
45	292.5	292.5	292.0	292.0	292.0	292.0	291.5	291.5	291.5
50	262.0	262.0	262.0	261.5	261.5	261.5	261.5	261.5	261.5
55	230.0	230.0	229.5	229.5	229.5	229.5	229.0	229.0	229.0
60	196.0	195.5	195.5	195.5	195.5	195.0	195.0	195.0	195.0

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CANDELA TABULATION - (Cont.)

65	160.5	160.5	160.5	160.0	160.0	160.0	160.0	160.0	160.0
70	124.5	124.0	124.0	124.0	123.5	123.5	123.5	123.5	123.5
75	88.0	88.0	88.0	87.5	87.5	87.5	87.0	87.0	87.0
80	54.0	54.0	53.5	53.5	53.0	53.0	53.0	52.5	52.5
85	24.5	24.5	24.5	24.0	24.0	23.5	23.5	23.5	23.5
90	6.5	5.5	5.0	4.0	3.0	2.5	2.0	1.5	1.5
95	23.5	23.0	22.5	21.5	21.0	20.5	19.5	20.0	20.0
100	51.0	51.0	51.0	50.5	49.0	49.5	50.5	50.5	50.5
105	86.0	86.5	85.5	84.5	87.5	89.0	89.5	89.5	89.5
110	126.0	126.0	129.0	132.5	135.0	136.0	136.5	136.5	136.5
115	175.0	180.0	184.0	187.5	189.0	190.0	190.5	190.5	191.0
120	237.0	241.5	245.0	247.0	248.5	249.5	250.5	251.0	251.0
125	302.5	305.5	308.0	309.5	311.0	312.0	313.0	313.5	313.5
130	366.0	368.0	370.0	371.5	373.0	374.0	374.5	375.0	375.5
135	425.5	427.0	428.5	430.0	430.5	431.5	432.5	433.0	433.0
140	478.0	479.5	480.5	481.5	482.5	483.0	483.5	484.0	484.0
145	523.5	524.5	525.5	526.0	526.5	527.0	527.5	527.5	528.0
150	562.0	562.5	563.0	563.5	564.0	564.0	564.5	564.5	564.5
155	593.0	593.5	593.5	594.0	594.5	594.5	594.5	594.5	595.0
160	617.5	618.0	618.0	618.0	618.5	618.5	618.5	618.5	618.5
165	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5	636.5
170	649.0	649.0	649.0	649.0	649.0	649.5	649.5	649.0	649.0
175	656.0	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5
180	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U2D2_BL.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	159.28	N.A.	5.30
0-30	338.54	N.A.	11.30
0-40	555.16	N.A.	18.50
0-60	986.38	N.A.	32.90
0-80	1239.11	N.A.	41.30
0-90	1269.29	N.A.	42.40
10-90	1228.12	N.A.	41.00
20-40	395.88	N.A.	13.20
20-50	621.57	N.A.	20.70
40-70	590.15	N.A.	19.70
60-80	252.72	N.A.	8.40
70-80	93.80	N.A.	3.10
80-90	30.18	N.A.	1.00
90-110	119.86	N.A.	4.00
90-120	296.66	N.A.	9.90
90-130	561.63	N.A.	18.70
90-150	1212.95	N.A.	40.50
90-180	1727.85	N.A.	57.70
110-180	1607.99	N.A.	53.70
0-180	2997.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.16
10-20	118.11
20-30	179.26
30-40	216.62
40-50	225.69
50-60	205.53
60-70	158.93
70-80	93.80
80-90	30.18
90-100	28.38
100-110	91.48
110-120	176.81
120-130	264.96
130-140	324.90
140-150	326.42
150-160	272.94
160-170	179.54
170-180	62.42

IES INDOOR REPORT

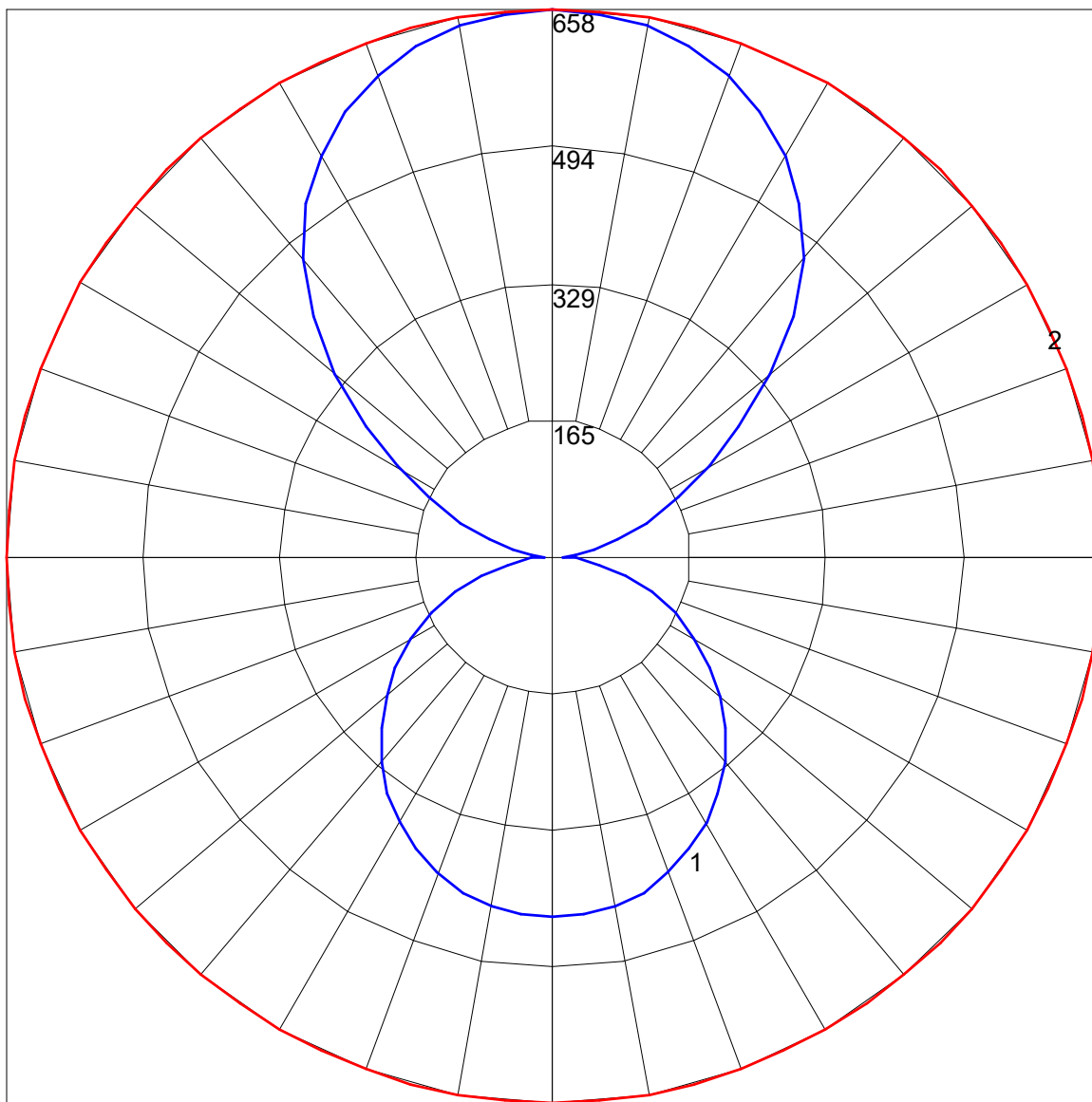
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U2D2_BL.IES

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	38	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	38	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 = 658 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.)