

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 80° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	96
Total Lumens, 4' rail length (1219mm)	2578	2659	2713	2741
Lumens per foot (305mm)	644	665	678	685
Lumens per foot UP (305mm)	383	395	403	407
Lumens per foot DOWN (305mm)	261	269	275	278
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_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L022010921 (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-U1S7-BL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens

[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	2713
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
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	2958	3610	3581
55	1517	2103	2178
65	759	1130	1319
75	393	606	840
85	154	239	494

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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	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5
5	616.5	616.0	616.0	616.0	616.0	616.5	616.0	616.0	616.0	616.0
10	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.0	607.0	607.0
15	591.5	591.5	591.5	591.5	591.0	591.5	591.0	591.0	590.5	590.0
20	565.0	565.0	565.0	565.0	565.0	565.0	565.0	565.0	564.5	564.0
25	525.5	525.5	526.0	526.5	527.5	528.0	528.5	528.5	528.5	528.0
30	470.0	470.5	471.5	473.0	475.0	477.0	478.5	479.5	480.0	479.5
35	396.5	397.0	399.0	402.0	406.0	409.5	413.0	416.0	417.5	418.0
40	310.5	311.5	314.5	318.5	324.0	329.5	335.0	340.0	343.5	345.5
45	224.5	225.5	228.5	233.0	239.0	246.0	252.5	259.0	264.0	267.0
50	151.5	152.0	155.0	159.0	164.5	170.5	177.0	183.5	189.0	192.5
55	97.5	98.0	100.0	103.0	107.5	112.5	117.5	123.0	127.5	130.5
60	61.5	62.0	63.5	65.5	68.5	72.0	75.5	79.0	82.5	85.0
65	38.5	39.0	40.0	41.0	43.0	45.5	47.5	50.0	52.5	54.5
70	24.0	24.0	24.5	25.5	26.5	28.0	29.5	31.0	32.5	33.5
75	14.0	14.0	14.5	15.0	15.5	16.5	17.5	18.5	19.0	20.0
80	7.5	7.5	7.5	8.0	8.0	8.5	9.0	9.5	10.0	10.5
85	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0
90	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
95	14.5	14.5	14.5	14.5	15.0	15.0	15.0	15.5	15.5	15.5
100	33.0	33.0	33.5	34.0	35.0	36.0	37.5	39.0	40.5	42.0
105	64.0	64.0	64.5	65.5	66.5	68.0	69.5	71.0	72.5	73.5
110	100.0	100.5	101.0	102.0	103.0	104.5	106.5	108.0	110.0	112.0
115	142.5	143.0	143.5	144.5	146.5	148.0	150.5	153.0	156.0	159.5
120	193.0	193.0	194.0	195.5	197.5	200.0	203.0	206.5	210.0	213.0
125	251.0	251.5	252.5	254.0	256.5	259.0	261.5	265.0	268.0	271.5
130	313.0	313.5	314.0	315.5	317.5	320.0	322.5	325.5	328.5	331.5
135	374.5	375.0	375.5	377.0	378.5	380.5	383.0	385.5	388.5	391.0
140	433.0	433.0	433.5	434.5	436.0	437.5	439.5	442.0	444.0	446.5
145	485.0	485.5	486.0	486.5	487.5	489.0	490.5	492.5	494.5	496.5
150	530.5	530.5	530.5	531.5	532.0	533.0	534.5	536.0	537.5	539.0
155	568.0	568.0	568.5	569.0	569.5	570.5	571.0	572.5	573.5	574.5
160	598.5	598.5	599.0	599.0	599.5	600.0	600.5	601.5	602.0	603.0
165	621.5	621.5	622.0	622.0	622.5	622.5	623.0	623.5	623.5	624.0
170	637.5	637.5	637.5	638.0	638.0	638.0	638.0	638.5	638.5	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	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5	618.5
5	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
10	607.0	606.5	606.5	606.5	606.5	606.0	606.0	606.0	606.0
15	590.0	589.5	589.0	588.5	588.0	588.0	587.5	587.5	587.5
20	563.5	562.5	561.5	560.5	560.0	559.0	558.5	558.0	558.0
25	527.0	525.5	524.0	522.0	520.5	519.0	518.0	517.5	517.0
30	478.5	476.5	474.0	471.5	469.0	466.5	464.5	463.5	463.0
35	417.0	415.0	412.0	408.5	405.0	401.5	399.0	397.5	396.5
40	345.5	343.5	340.0	336.0	331.5	327.5	324.5	322.5	321.5
45	268.0	266.5	264.0	259.5	255.5	251.5	248.0	246.0	245.5
50	194.0	193.5	191.5	188.5	185.0	181.5	179.0	177.5	177.0
55	132.5	132.5	131.5	129.5	127.5	125.0	123.5	122.0	121.5
60	86.5	87.0	86.5	86.0	84.5	83.5	82.5	82.0	81.5

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CANDELA TABULATION - (Cont.)

65	55.5	56.0	56.0	56.0	55.5	55.0	54.5	54.5	54.5
70	34.5	35.0	35.5	35.5	35.5	35.5	35.5	35.0	35.0
75	20.5	21.0	21.5	21.5	21.5	21.5	21.5	21.5	21.5
80	11.0	11.0	11.5	11.5	11.5	11.5	11.5	11.5	11.5
85	4.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
90	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
95	16.0	16.5	17.5	18.0	18.5	18.0	18.5	18.5	18.0
100	43.0	43.5	44.0	44.5	45.0	45.5	45.5	45.5	45.5
105	75.0	76.0	77.5	78.5	79.5	80.0	80.5	80.5	80.0
110	114.5	117.0	119.0	120.5	121.5	122.0	122.5	122.5	122.5
115	162.5	165.0	167.5	169.0	170.5	171.5	172.0	172.5	172.5
120	216.5	219.0	221.5	224.0	226.0	227.0	228.0	229.0	229.0
125	274.5	277.5	280.5	283.0	285.5	287.0	288.5	289.5	289.5
130	335.0	338.0	341.0	344.0	346.5	348.5	350.0	351.0	351.0
135	394.0	397.0	400.0	403.0	405.5	407.5	409.0	410.0	410.0
140	449.5	452.0	454.5	457.0	459.0	461.0	462.5	463.5	463.5
145	498.5	501.0	503.0	505.0	506.5	508.0	509.0	510.0	510.0
150	540.5	542.5	544.0	545.5	546.5	548.0	548.5	549.0	549.0
155	575.5	577.0	578.0	579.0	580.0	580.5	581.0	581.5	581.5
160	603.5	604.0	605.0	605.5	606.0	606.5	606.5	607.0	607.0
165	624.5	625.0	625.0	625.5	625.5	626.0	626.0	626.0	626.0
170	638.5	639.0	639.0	639.0	639.0	639.5	639.5	639.5	639.5
175	646.5	647.0	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	224.48	N.A.	8.30
0-30	464.76	N.A.	17.10
0-40	717.47	N.A.	26.40
0-60	1021.85	N.A.	37.70
0-80	1094.5	N.A.	40.30
0-90	1099.62	N.A.	40.50
10-90	1041.12	N.A.	38.40
20-40	492.99	N.A.	18.20
20-50	687.07	N.A.	25.30
40-70	356.20	N.A.	13.10
60-80	72.65	N.A.	2.70
70-80	20.84	N.A.	0.80
80-90	5.12	N.A.	0.20
90-110	98.84	N.A.	3.60
90-120	257.40	N.A.	9.50
90-130	500.06	N.A.	18.40
90-150	1111.9	N.A.	41.00
90-180	1613.83	N.A.	59.50
110-180	1514.99	N.A.	55.80
0-180	2713.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.51
10-20	165.97
20-30	240.28
30-40	252.71
40-50	194.08
50-60	110.31
60-70	51.81
70-80	20.84
80-90	5.12
90-100	20.11
100-110	78.73
110-120	158.56
120-130	242.66
130-140	301.64
140-150	310.20
150-160	264.48
160-170	175.99
170-180	61.46

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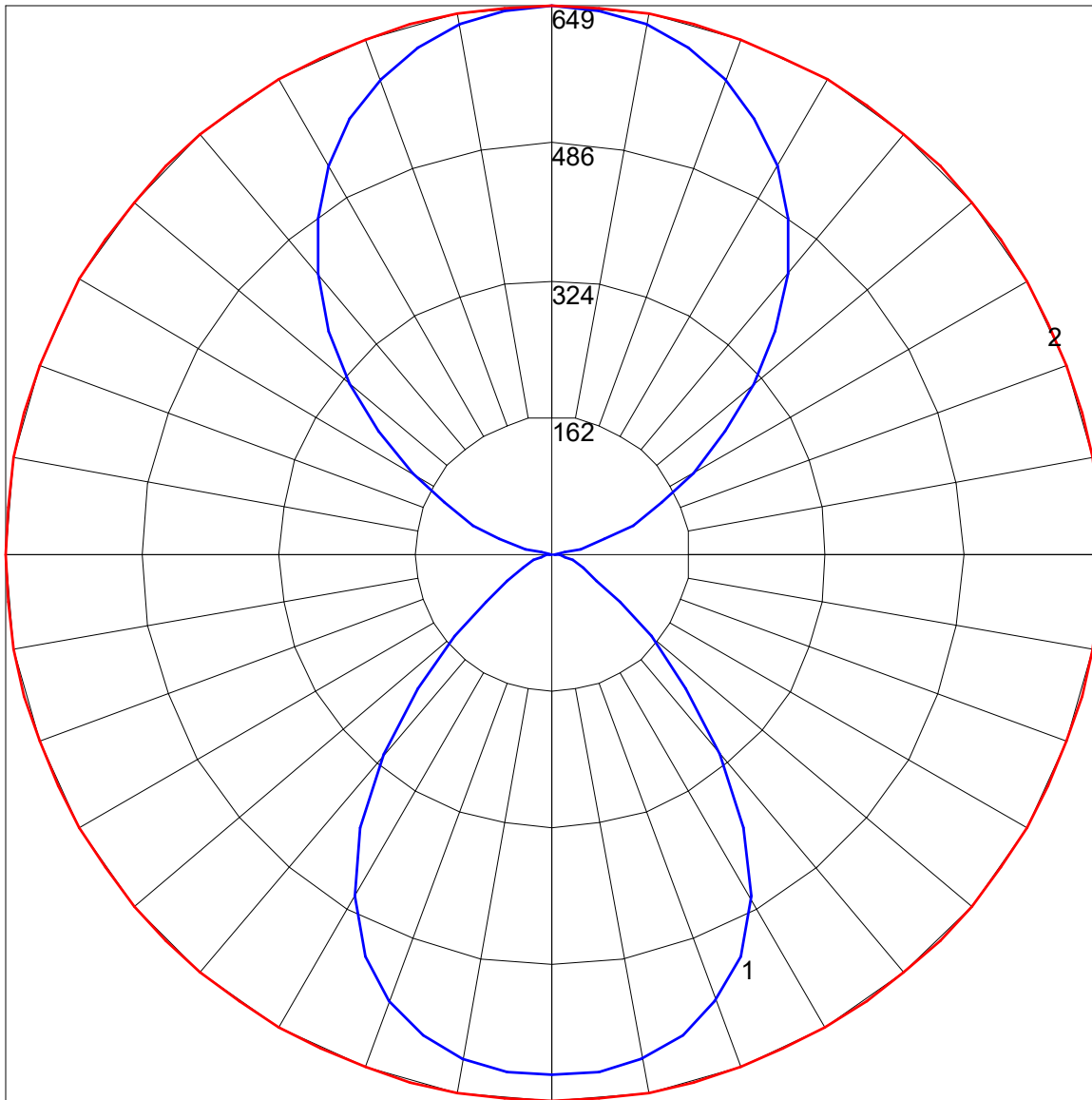
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	96	96	96	96	78	78	78	62	62	62	47	47	47	41
1	97	93	89	86	88	85	82	79	70	68	66	56	55	54	43	43	42	36
2	89	82	77	72	81	75	71	67	62	59	56	50	48	46	39	38	37	32
3	82	73	66	61	74	67	61	57	56	52	48	46	43	40	36	34	33	28
4	75	65	58	53	68	60	54	49	50	46	42	41	38	35	33	31	29	25
5	69	59	51	46	63	54	48	43	45	41	37	37	34	31	30	28	26	22
6	64	53	45	40	59	49	42	38	41	36	33	34	31	28	27	25	23	20
7	59	48	41	35	54	44	38	33	38	33	29	31	28	25	25	23	21	18
8	55	44	37	32	51	41	34	30	35	30	26	29	25	23	23	21	19	17
9	52	40	33	28	47	37	31	27	32	27	24	27	23	20	22	19	17	15
10	48	37	30	26	44	34	28	24	29	25	21	25	21	19	20	18	16	14

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.)