



IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S7-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	98	101	103	107
Total Lumens, 4' rail length (1219mm)	2909	3001	3062	3093
Lumens per foot (305mm)	426	439	448	453
Lumens per foot UP (305mm)	302	311	317	321
Lumens per foot DOWN (305mm)	727	750	766	773
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_U2S7.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911556 (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-U2S7-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edge glow up/80°

[MORE] symmetric 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	3062
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
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	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3794	4084	3846
55	2392	2803	2860
65	1541	1903	2214
75	1029	1304	1714
85	508	646	1071

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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>
0.0	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
1.0	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
3.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	659.0	658.5	658.5
5.0	657.0	657.0	657.0	657.0	657.0	657.0	657.0	657.0	657.0	657.0
7.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	653.5
9.0	650.0	649.5	649.5	649.5	649.5	649.5	649.5	649.5	649.0	649.0
11.0	644.5	644.5	644.5	644.5	644.5	644.0	644.0	644.0	643.5	643.5
13.0	637.5	637.5	637.0	637.0	637.5	637.0	637.0	636.5	636.5	636.0
15.0	629.5	629.0	629.0	629.0	629.0	629.0	628.5	628.0	628.0	627.5
17.0	619.5	619.0	619.0	619.0	619.0	619.0	618.5	618.0	617.5	616.5
19.5	604.5	604.5	604.5	604.5	604.5	604.5	604.0	603.5	602.5	601.5
22.5	582.5	582.5	583.0	583.0	583.0	583.0	582.5	582.0	580.5	579.0
25.5	556.0	556.0	556.0	556.5	557.0	557.0	557.0	556.0	554.5	552.0
29.0	518.0	518.0	519.0	520.0	520.5	521.0	521.0	520.0	518.5	515.5
33.0	466.0	466.5	467.5	469.0	470.5	472.0	472.5	471.5	469.5	466.5
37.5	398.0	399.0	400.5	403.0	405.5	408.0	409.0	409.0	407.5	404.0
42.5	317.0	317.5	320.0	323.0	327.0	330.5	333.0	334.0	333.0	330.0
47.5	239.0	240.0	242.5	246.0	250.5	254.5	257.5	259.5	260.0	258.0
55.0	146.5	147.0	149.0	152.0	156.0	160.0	163.0	165.5	167.0	167.5
65.0	73.0	73.0	74.5	76.0	78.0	80.5	82.5	84.5	86.0	87.0
75.0	33.0	33.0	33.5	34.5	35.0	36.0	37.0	38.0	39.0	39.5
85.0	8.0	8.0	8.0	8.5	8.5	8.5	9.0	9.0	9.0	9.0
90.0	11.0	11.0	10.5	10.5	10.0	9.5	8.5	8.0	7.5	6.5
95.0	24.5	24.5	24.5	24.0	24.0	23.5	23.0	22.5	22.5	22.0
100.0	46.0	46.0	46.5	46.5	46.5	47.0	47.5	48.0	48.5	49.0
105.0	78.5	79.0	79.0	79.5	80.5	81.5	82.5	83.5	84.5	85.5
110.0	120.5	121.0	121.5	122.0	123.0	124.5	125.5	126.5	128.0	130.0
115.0	171.0	171.0	171.5	172.5	173.5	175.0	177.0	179.5	182.5	185.0
120.0	231.5	231.5	232.5	233.5	235.5	237.5	240.0	242.5	245.0	248.0
125.0	299.5	299.5	300.5	301.5	303.0	305.0	307.0	309.5	312.0	315.0
130.0	367.5	367.5	368.5	369.5	370.5	372.5	374.5	377.0	379.5	382.0
135.0	432.5	432.5	433.0	434.0	435.5	437.0	438.5	440.0	441.5	442.5
140.0	491.0	491.0	491.0	492.0	492.5	493.0	493.5	494.5	495.0	496.0
145.0	538.5	538.5	539.0	539.0	539.5	539.5	540.0	540.5	541.0	541.0
150.0	578.0	578.0	578.0	578.0	578.0	578.5	578.5	579.0	579.0	579.0
155.0	609.5	609.5	609.5	609.5	609.5	609.5	609.5	610.0	610.0	610.0
160.0	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5	634.5
165.0	653.5	653.0	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
170.0	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
175.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0
180.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0

Vert. Horizontal Angles
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>
0.0	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
1.0	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
3.0	659.0	658.5	658.5	659.0	658.5	659.0	658.5	658.5	659.0
5.0	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5
7.0	654.0	653.5	653.5	653.5	653.5	653.0	653.0	653.0	653.0
9.0	649.0	649.0	648.5	648.5	648.5	648.0	648.5	648.0	648.0
11.0	643.0	643.0	642.5	642.0	642.0	642.0	641.5	641.5	641.5
13.0	635.5	635.0	634.5	634.0	633.5	633.5	633.0	633.0	633.0
15.0	626.5	626.0	625.5	624.5	624.0	623.5	623.0	622.5	622.5

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CANDELA TABULATION - (Cont.)

17.0	615.5	615.0	614.0	613.0	612.0	611.0	610.5	610.0	610.0
19.5	600.0	598.5	597.0	595.5	594.0	593.0	592.0	591.5	591.5
22.5	577.0	575.0	572.5	570.0	568.0	566.5	565.0	564.0	564.0
25.5	549.5	546.5	543.5	540.0	537.0	534.5	532.5	531.5	531.0
29.0	512.0	508.0	503.5	499.5	495.5	492.0	489.5	488.0	487.5
33.0	462.0	457.0	451.5	446.0	441.0	437.0	433.5	431.5	431.0
37.5	399.0	393.5	387.5	381.5	375.5	371.0	367.5	365.5	364.5
42.5	325.5	320.5	314.5	309.0	304.0	300.0	296.5	294.5	294.0
47.5	255.0	251.5	247.0	243.0	239.5	236.5	234.0	232.5	232.0
55.0	167.0	165.5	164.5	163.0	162.0	161.0	160.0	159.5	159.0
65.0	88.0	88.5	89.5	90.0	90.5	90.5	91.0	91.0	91.0
75.0	40.5	41.0	41.5	42.0	42.5	43.0	43.0	43.0	43.5
85.0	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
90.0	6.0	5.0	4.5	4.0	3.5	2.5	2.5	2.0	2.0
95.0	21.5	21.0	21.0	21.0	21.0	20.5	20.5	20.5	20.5
100.0	49.5	50.0	50.0	50.0	50.5	51.0	51.5	52.0	51.5
105.0	86.0	87.0	88.0	89.5	90.5	91.5	92.0	92.0	92.0
110.0	132.0	134.5	136.0	138.0	140.0	141.0	141.5	141.5	141.5
115.0	188.0	190.5	193.0	195.5	197.0	198.0	198.5	198.5	199.0
120.0	251.0	254.0	257.0	258.5	260.0	261.0	261.5	262.0	262.0
125.0	318.0	321.0	322.5	324.0	325.5	326.0	326.5	327.0	327.0
130.0	384.0	385.5	387.0	388.0	388.5	389.0	389.5	389.5	390.0
135.0	443.5	444.5	445.5	446.5	446.5	447.0	447.5	447.5	447.5
140.0	496.5	497.0	497.5	498.0	498.5	498.5	498.5	499.0	499.0
145.0	541.5	542.0	542.0	542.0	542.5	542.5	542.5	542.5	543.0
150.0	579.5	579.5	579.5	579.5	579.5	580.0	580.0	580.0	580.0
155.0	610.0	610.0	610.0	610.0	610.5	610.5	610.5	610.5	610.5
160.0	634.5	635.0	635.0	635.0	635.0	635.0	635.0	635.0	635.0
165.0	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	654.0
170.0	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
175.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0	674.0
180.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0	676.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	227.59	N.A.	7.40
0-30	464.94	N.A.	15.20
0-40	695.12	N.A.	22.70
0-60	1060.08	N.A.	34.60
0-80	1239.7	N.A.	40.50
0-90	1269.81	N.A.	41.50
10-90	1219.17	N.A.	39.80
20-40	467.53	N.A.	15.30
20-50	702.06	N.A.	22.90
40-70	481.02	N.A.	15.70
60-80	179.62	N.A.	5.90
70-80	63.56	N.A.	2.10
80-90	30.11	N.A.	1.00
90-110	119.66	N.A.	3.90
90-120	304.89	N.A.	10.00
90-130	585.74	N.A.	19.10
90-150	1262.96	N.A.	41.20
90-180	1792.52	N.A.	58.50
110-180	1672.86	N.A.	54.60
0-180	3062.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.64
10-20	176.95
20-30	237.35
30-40	230.18
40-50	234.53
50-60	130.42
60-70	116.07
70-80	63.56
80-90	30.11
90-100	27.19
100-110	92.47
110-120	185.23
120-130	280.86
130-140	339.40
140-150	337.82
150-160	281.01
160-170	184.47
170-180	64.09

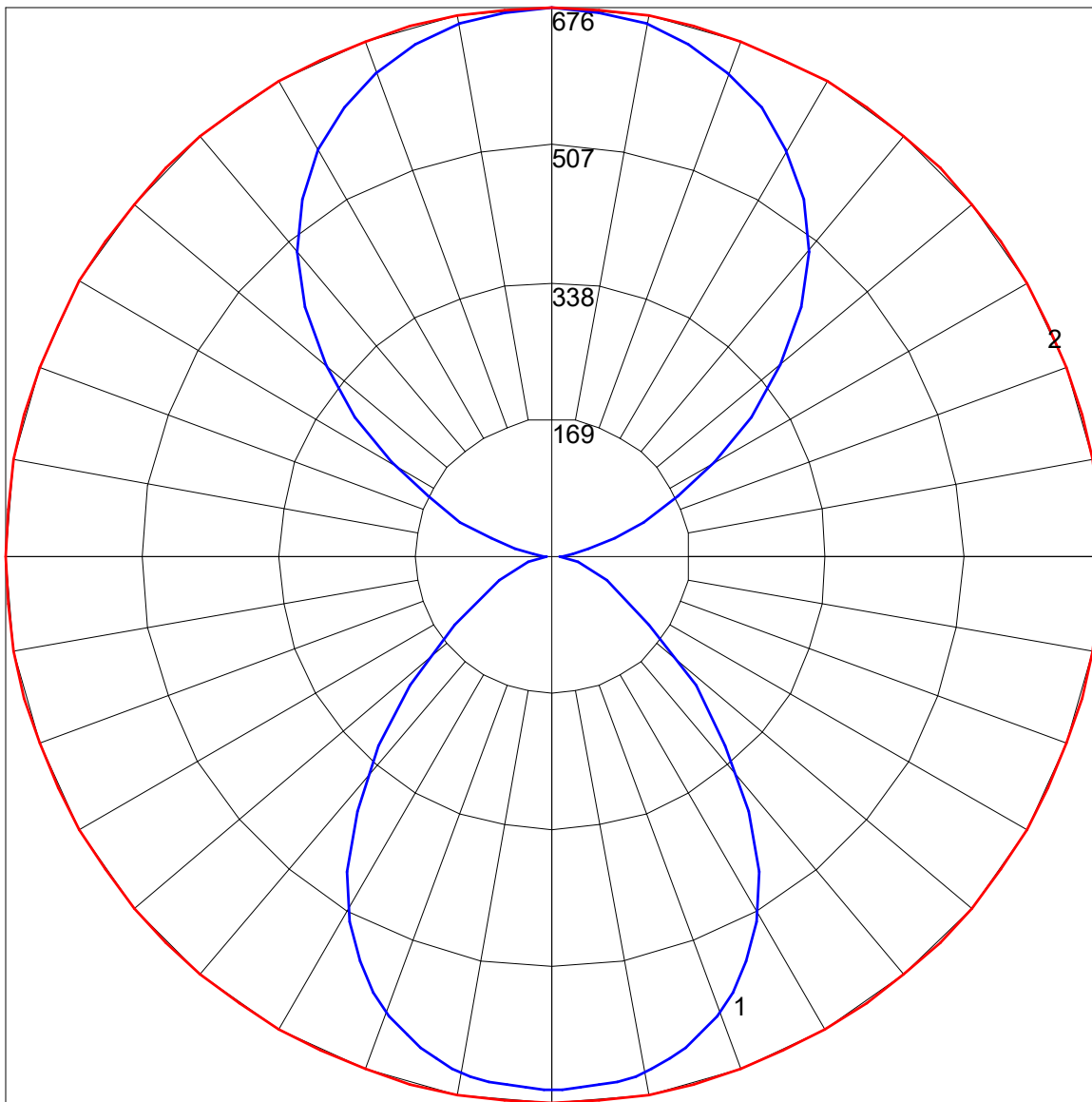
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	79	79	79	63	63	63	48	48	48	41
1	96	92	88	85	88	84	81	78	69	67	65	56	54	53	43	42	41	35
2	88	81	75	70	80	74	69	65	61	58	54	49	47	45	38	37	35	30
3	80	71	64	59	73	65	59	55	54	50	46	44	41	38	34	32	31	26
4	74	64	56	50	67	58	52	47	49	44	40	40	36	33	31	29	27	23
5	68	57	49	43	62	52	46	40	44	39	35	36	32	29	28	26	24	20
6	63	51	43	38	57	47	40	35	40	34	31	33	29	26	26	23	21	18
7	58	46	39	33	53	43	36	31	36	31	27	30	26	23	24	21	19	16
8	54	42	35	30	49	39	32	28	33	28	24	27	23	21	22	19	17	15
9	50	39	31	26	46	36	29	25	30	25	22	25	21	19	20	18	16	13
10	47	35	28	24	43	33	27	22	28	23	20	23	20	17	19	16	14	12

POLAR GRAPH



Maximum Candela = 676 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.)