

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	84	87	89	93
Total Lumens, 4' rail length (1219mm)	2585	2667	2721	2776
Lumens per foot (305mm)	646	667	680	694
Lumens per foot UP (305mm)	373	385	393	400
Lumens per foot DOWN (305mm)	273	282	288	294
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.



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U1S7_AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805805R01 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 4/12/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-CC-Z-LO-359-U1S7-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens up/80° 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	2721
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	30.81
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)	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	3184	4084	3893
55	1607	2525	2722
65	917	1472	1961
75	579	870	1373
85	259	331	704

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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	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0
1.0	616.5	616.5	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0
3.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
5.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0	614.0
7.0	611.0	611.0	611.0	611.0	611.0	611.0	611.0	611.5	611.5	611.5
9.0	607.0	607.0	607.0	607.0	607.0	607.0	607.5	607.5	607.5	607.5
11.0	602.0	602.0	602.0	602.0	602.5	602.5	602.5	602.5	602.5	602.5
13.0	596.0	596.0	596.0	596.0	596.0	596.5	596.5	596.5	596.5	597.0
15.0	588.5	588.5	588.5	589.0	589.0	589.0	589.5	589.5	589.5	589.5
17.0	579.5	579.5	580.0	580.0	580.5	580.5	581.0	581.0	581.0	581.0
19.5	566.5	566.5	566.5	567.0	567.5	568.0	568.5	568.5	568.5	568.5
22.5	547.0	547.0	547.5	548.0	549.0	549.5	550.0	550.5	550.5	550.0
25.5	522.5	522.5	523.5	524.5	525.5	527.0	528.0	528.5	528.0	527.5
29.0	486.5	487.0	488.0	490.0	492.5	494.5	496.0	497.0	497.0	496.0
33.0	433.5	434.5	436.5	440.0	443.5	447.5	450.5	453.0	453.5	453.0
37.5	359.5	360.5	364.0	369.0	375.5	382.0	388.0	392.5	395.0	395.0
42.5	267.5	269.0	273.0	279.5	288.5	297.5	306.5	314.0	319.0	321.5
47.5	182.5	184.0	188.0	194.5	203.0	213.0	223.0	233.0	240.5	245.0
55.0	95.0	96.0	98.5	103.0	109.0	116.0	124.0	132.0	139.5	145.5
65.0	42.0	42.5	43.5	45.0	47.0	50.0	53.5	57.5	61.5	65.0
75.0	18.0	18.0	18.0	18.5	19.5	20.5	21.5	22.5	24.0	25.5
85.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5
90.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95.0	14.0	14.0	14.0	14.5	14.5	14.5	14.5	15.0	15.0	15.0
100.0	37.5	37.5	37.5	37.5	38.0	38.5	38.5	39.0	39.5	40.0
105.0	66.0	66.0	66.5	67.0	67.5	68.5	69.0	70.0	71.0	72.0
110.0	102.0	102.5	102.5	103.5	104.0	105.5	106.5	108.0	109.5	111.0
115.0	145.0	145.0	146.0	146.5	148.0	149.0	151.0	153.0	155.0	157.0
120.0	194.5	194.5	195.5	196.5	197.5	199.5	201.5	203.5	206.0	208.5
125.0	249.5	250.0	250.5	251.5	253.0	255.0	257.0	259.5	262.5	265.5
130.0	308.5	308.5	309.5	310.5	312.0	314.0	316.0	319.0	321.5	324.5
135.0	367.5	368.0	368.5	369.5	371.0	373.0	375.0	377.5	379.5	382.0
140.0	424.5	424.5	425.0	426.0	427.0	428.5	430.0	432.0	433.5	435.0
145.0	475.0	475.0	475.5	476.0	476.5	477.5	478.5	479.5	480.5	481.5
150.0	517.0	517.0	517.5	517.5	518.0	518.5	519.0	519.5	520.0	521.0
155.0	551.0	551.0	551.0	551.0	551.5	551.5	552.0	552.5	553.0	553.5
160.0	577.5	577.5	577.5	578.0	578.0	578.0	578.5	579.0	579.0	579.5
165.0	598.0	598.0	598.5	598.5	598.5	599.0	599.0	599.5	600.0	600.0
170.0	614.0	614.0	614.0	614.0	614.5	614.5	614.5	615.0	615.0	615.5
175.0	624.5	624.5	624.5	624.5	624.5	625.0	625.0	625.0	625.0	625.0
180.0	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5

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>
0.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0
1.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0	617.0
3.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0	616.0
5.0	614.0	614.0	614.0	614.0	614.5	614.5	614.5	614.5	614.5
7.0	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5	611.5
9.0	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5	607.5
11.0	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5
13.0	596.5	596.5	596.5	596.5	596.5	596.0	596.0	596.0	596.0
15.0	589.5	589.5	589.0	589.0	588.5	588.5	588.5	588.0	588.0

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CANDELA TABULATION - (Cont.)

17.0	581.0	580.5	580.0	580.0	579.5	579.0	579.0	578.5	578.5
19.5	568.0	567.5	567.0	566.0	565.5	565.0	564.0	564.0	563.5
22.5	549.5	548.0	547.0	545.5	544.5	543.5	542.5	542.0	541.5
25.5	526.5	525.0	523.0	521.0	519.0	517.0	516.0	515.0	514.5
29.0	494.5	492.0	489.0	486.0	483.0	480.5	478.5	477.5	477.0
33.0	450.5	447.0	443.0	438.5	434.5	431.0	428.0	426.5	426.0
37.5	392.5	388.5	383.0	378.0	372.5	368.0	364.5	362.5	362.0
42.5	320.0	316.5	311.5	306.0	300.5	296.0	292.5	290.0	289.0
47.5	246.0	244.5	241.0	236.5	232.5	228.5	225.5	224.0	223.0
55.0	149.5	151.5	152.0	151.0	149.5	148.0	146.5	146.0	145.5
65.0	69.0	72.0	74.0	76.0	77.0	77.5	77.5	77.5	77.5
75.0	27.5	29.0	30.5	31.5	32.5	33.0	33.5	33.5	33.5
85.0	5.0	5.0	5.5	5.5	6.0	6.0	6.0	6.0	6.0
90.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95.0	15.0	15.0	15.5	15.5	15.0	15.0	15.0	15.0	15.0
100.0	40.5	41.0	41.5	42.0	42.0	42.5	42.5	42.5	42.5
105.0	73.0	74.0	75.0	76.0	77.0	77.5	77.5	78.0	78.0
110.0	113.0	114.5	116.0	117.5	118.5	119.5	120.0	120.5	120.5
115.0	159.0	161.5	163.0	165.0	166.5	167.5	168.5	169.0	169.0
120.0	211.5	214.0	216.0	218.0	220.0	221.0	222.5	223.0	223.5
125.0	268.0	271.0	273.5	275.5	277.0	278.5	280.0	281.0	281.5
130.0	327.0	329.5	331.5	333.5	335.5	337.0	338.5	339.5	340.0
135.0	384.5	386.0	388.0	389.5	391.0	392.5	394.5	395.5	396.0
140.0	436.5	438.0	439.5	441.0	442.0	443.5	445.5	446.5	447.0
145.0	482.5	483.5	485.0	486.0	487.5	489.0	490.0	491.0	491.5
150.0	521.5	522.5	523.5	524.5	525.5	527.0	528.0	529.0	529.5
155.0	554.0	555.0	555.5	556.5	557.5	558.5	559.5	560.5	560.5
160.0	580.5	581.0	582.0	582.5	583.5	584.0	585.0	585.5	585.5
165.0	600.5	601.5	602.0	602.5	603.0	603.5	604.0	604.5	604.5
170.0	616.0	616.5	616.5	617.0	617.5	617.5	617.5	618.0	618.0
175.0	625.5	625.5	625.5	625.5	625.5	626.0	626.0	626.0	626.0
180.0	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5	628.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	213.73	N.A.	7.90
0-30	439.90	N.A.	16.20
0-40	661.46	N.A.	24.30
0-60	995.28	N.A.	36.60
0-80	1133.06	N.A.	41.60
0-90	1151.05	N.A.	42.30
10-90	1103.68	N.A.	40.60
20-40	447.73	N.A.	16.50
20-50	667.90	N.A.	24.50
40-70	426.12	N.A.	15.70
60-80	137.78	N.A.	5.10
70-80	45.47	N.A.	1.70
80-90	17.99	N.A.	0.70
90-110	97.03	N.A.	3.60
90-120	253.93	N.A.	9.30
90-130	491.62	N.A.	18.10
90-150	1086.21	N.A.	39.90
90-180	1570.35	N.A.	57.70
110-180	1473.33	N.A.	54.10
0-180	2721.4	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.36
10-20	166.37
20-30	226.17
30-40	221.57
40-50	220.17
50-60	113.65
60-70	92.31
70-80	45.47
80-90	17.99
90-100	19.09
100-110	77.94
110-120	156.90
120-130	237.69
130-140	293.74
140-150	300.85
150-160	255.24
160-170	169.52
170-180	59.38

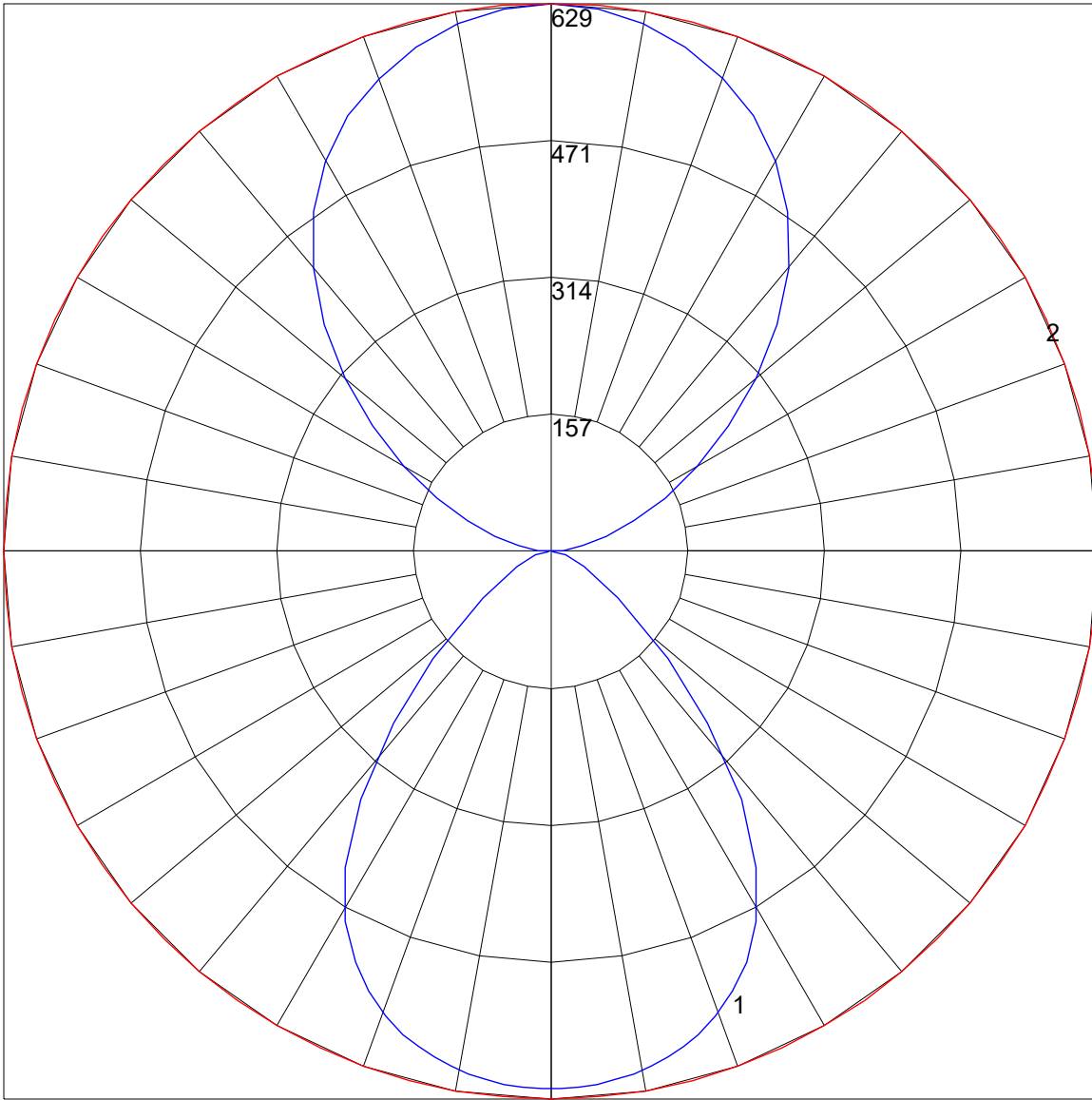
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	49	49	49	42
1	97	93	89	86	88	85	82	79	70	68	66	57	55	54	44	43	42	37
2	88	82	76	71	81	75	70	66	62	59	56	50	48	46	40	38	37	32
3	81	72	65	60	74	66	60	56	55	51	47	45	42	40	36	34	32	28
4	74	64	57	51	68	59	53	48	50	45	41	41	37	34	32	30	28	24
5	69	58	50	44	63	53	46	41	45	40	36	37	33	30	29	27	25	22
6	63	52	44	39	58	48	41	36	40	35	32	33	30	27	27	24	22	19
7	59	47	39	34	54	44	37	32	37	32	28	31	27	24	25	22	20	17
8	55	43	35	30	50	40	33	29	34	29	25	28	24	22	23	20	18	16
9	51	39	32	27	47	36	30	26	31	26	23	26	22	19	21	19	17	14
10	48	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

POLAR GRAPH



Maximum Candela = 628.5 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.)