

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	89	92	80	95
Total Lumens, 4' rail length (1219mm)	2727	2813	2437	2927
Lumens per foot (305mm)	682	703	609	732
Lumens per foot UP (305mm)	1504	1551	402	1614
Lumens per foot DOWN (305mm)	1223	1262	207	1313
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*	95	95	95	95

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-AL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800701 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 8/15/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-CC-Z-LO-359-U1D2-AL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens 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	2870
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	30.82
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)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4217	4282	4494
55	3946	4032	4328
65	3529	3640	4041
75	2832	2969	3487
85	1547	1682	2451

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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	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
5	446.0	446.5	446.0	446.0	446.5	446.5	446.0	446.0	446.0	446.0
10	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5	440.5
15	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5	430.5
20	417.0	417.0	417.0	417.0	417.0	416.5	416.5	416.5	416.5	416.5
25	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.0	399.0	399.0
30	379.0	379.0	379.0	379.0	379.0	378.5	378.5	378.5	378.5	378.0
35	355.0	355.0	355.0	355.0	355.0	355.0	354.5	354.5	354.5	354.0
40	328.5	328.5	328.5	328.5	328.5	328.5	328.0	328.0	328.0	327.5
45	299.5	299.5	299.5	299.5	299.0	299.0	299.0	299.0	298.5	298.5
50	268.0	268.0	268.0	268.0	267.5	267.5	267.5	267.0	267.0	267.0
55	234.5	234.5	234.5	234.5	234.0	234.0	234.0	234.0	233.5	233.5
60	199.0	199.0	199.0	199.0	199.0	199.0	198.5	198.5	198.5	198.0
65	162.5	163.0	162.5	162.5	162.5	162.5	162.0	162.0	162.0	161.5
70	125.5	125.5	125.5	125.5	125.0	125.0	125.0	124.5	124.5	124.5
75	88.5	88.5	88.5	88.5	88.5	88.0	88.0	88.0	87.5	87.5
80	54.0	54.0	54.0	53.5	53.5	53.5	53.0	53.0	52.5	52.5
85	24.0	24.0	24.0	24.0	23.5	23.5	23.5	23.5	23.0	23.0
90	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
95	15.5	15.5	15.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0
100	38.5	38.5	39.0	39.0	39.5	39.5	40.0	40.5	41.0	41.5
105	67.5	68.0	68.0	68.5	69.0	70.0	70.5	71.5	72.5	73.5
110	104.0	104.0	104.5	105.0	106.0	107.0	108.5	110.0	111.5	113.0
115	147.5	147.5	148.0	149.0	150.0	151.5	153.0	155.0	157.0	159.0
120	197.5	197.5	198.0	199.0	200.5	202.0	204.0	206.5	209.0	211.5
125	253.0	253.0	254.0	255.0	256.5	258.5	260.5	263.0	265.5	268.5
130	312.0	312.5	313.0	314.0	315.5	317.5	320.0	322.5	325.5	328.0
135	372.0	372.0	372.5	373.5	375.0	377.0	379.0	381.0	383.5	385.5
140	428.5	428.5	429.0	430.0	431.0	432.5	434.0	435.5	437.0	438.5
145	478.5	478.5	479.0	479.5	480.0	481.0	481.5	482.5	483.5	484.0
150	519.5	520.0	520.0	520.5	520.5	521.0	521.5	522.0	522.5	523.0
155	553.0	553.0	553.0	553.0	553.0	553.5	553.5	554.0	554.5	555.0
160	579.0	579.0	579.0	579.0	579.5	579.5	579.5	580.0	580.5	580.5
165	599.0	599.0	599.0	599.0	599.5	599.5	600.0	600.0	600.5	601.0
170	614.5	614.5	614.5	615.0	615.0	615.0	615.5	615.5	616.0	616.5
175	625.0	625.0	625.0	625.0	625.5	625.5	625.5	625.5	625.5	626.0
180	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0

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	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0	448.0
5	446.5	446.0	446.0	446.0	446.0	446.5	446.0	446.5	446.0
10	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.5	440.0
15	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0	430.0
20	416.5	416.5	416.5	416.0	416.0	416.0	416.0	416.0	416.0
25	399.0	399.0	398.5	398.5	398.5	398.5	398.5	398.5	398.5
30	378.0	378.0	378.0	377.5	377.5	377.5	377.5	377.5	377.5
35	354.0	354.0	353.5	353.5	353.5	353.5	353.5	353.5	353.0
40	327.5	327.0	327.0	327.0	327.0	326.5	326.5	326.5	326.5
45	298.0	298.0	298.0	297.5	297.5	297.5	297.5	297.0	297.0
50	266.5	266.5	266.5	266.0	266.0	266.0	265.5	266.0	265.5
55	233.0	233.0	233.0	232.5	232.5	232.5	232.5	232.5	232.5
60	198.0	198.0	197.5	197.5	197.5	197.0	197.0	197.0	197.0

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CANDELA TABULATION - (Cont.)

65	161.5	161.0	161.0	161.0	160.5	160.5	160.5	160.5	160.5
70	124.0	124.0	123.5	123.5	123.5	123.0	123.0	123.0	123.0
75	87.0	87.0	86.5	86.5	86.0	86.0	86.0	85.5	85.5
80	52.0	52.0	51.5	51.0	51.0	50.5	50.5	50.5	50.5
85	22.5	22.5	22.0	22.0	21.5	21.5	21.5	21.0	21.0
90	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5
95	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.5	15.5
100	42.0	42.0	42.5	43.0	43.0	43.0	43.5	43.0	43.5
105	74.5	75.5	76.5	77.5	78.0	78.5	79.0	79.0	79.0
110	114.5	116.0	117.5	119.0	120.0	120.5	121.0	121.5	121.5
115	161.0	163.5	165.5	167.0	168.0	169.0	170.0	170.5	170.5
120	214.0	216.5	219.0	220.5	222.0	223.5	224.5	225.0	225.5
125	271.5	274.0	276.0	278.0	279.5	281.0	282.0	283.0	283.5
130	330.5	333.0	335.0	336.5	338.0	339.0	340.5	341.5	342.0
135	387.5	389.5	391.0	392.0	393.5	395.0	396.5	397.5	398.0
140	439.5	441.0	442.0	443.0	444.0	445.5	447.0	448.0	449.0
145	485.0	486.0	487.0	487.5	489.0	490.0	491.5	492.5	493.0
150	523.5	524.0	525.0	526.0	527.0	528.5	529.5	530.5	530.5
155	555.0	556.0	556.5	557.5	558.5	560.0	561.0	561.5	561.5
160	581.0	582.0	582.5	583.5	584.5	585.0	586.0	586.5	586.5
165	601.5	602.0	602.5	603.5	604.0	604.5	605.0	605.5	605.5
170	616.5	617.0	617.5	617.5	618.0	618.5	618.5	618.5	618.5
175	626.0	626.0	626.0	626.0	626.0	626.5	626.5	626.5	626.5
180	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0	629.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	163.82	N.A.	5.70
0-30	347.71	N.A.	12.10
0-40	569.31	N.A.	19.80
0-60	1007.94	N.A.	35.10
0-80	1260.38	N.A.	43.90
0-90	1287.33	N.A.	44.90
10-90	1244.93	N.A.	43.40
20-40	405.49	N.A.	14.10
20-50	635.60	N.A.	22.10
40-70	598.45	N.A.	20.90
60-80	252.44	N.A.	8.80
70-80	92.62	N.A.	3.20
80-90	26.95	N.A.	0.90
90-110	99.63	N.A.	3.50
90-120	258.56	N.A.	9.00
90-130	498.87	N.A.	17.40
90-150	1097.56	N.A.	38.20
90-180	1582.72	N.A.	55.10
110-180	1483.08	N.A.	51.70
0-180	2870.05	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.40
10-20	121.42
20-30	183.88
30-40	221.60
40-50	230.11
50-60	208.52
60-70	159.82
70-80	92.62
80-90	26.95
90-100	20.22
100-110	79.42
110-120	158.92
120-130	240.31
130-140	296.23
140-150	302.46
150-160	255.95
160-170	169.77
170-180	59.44

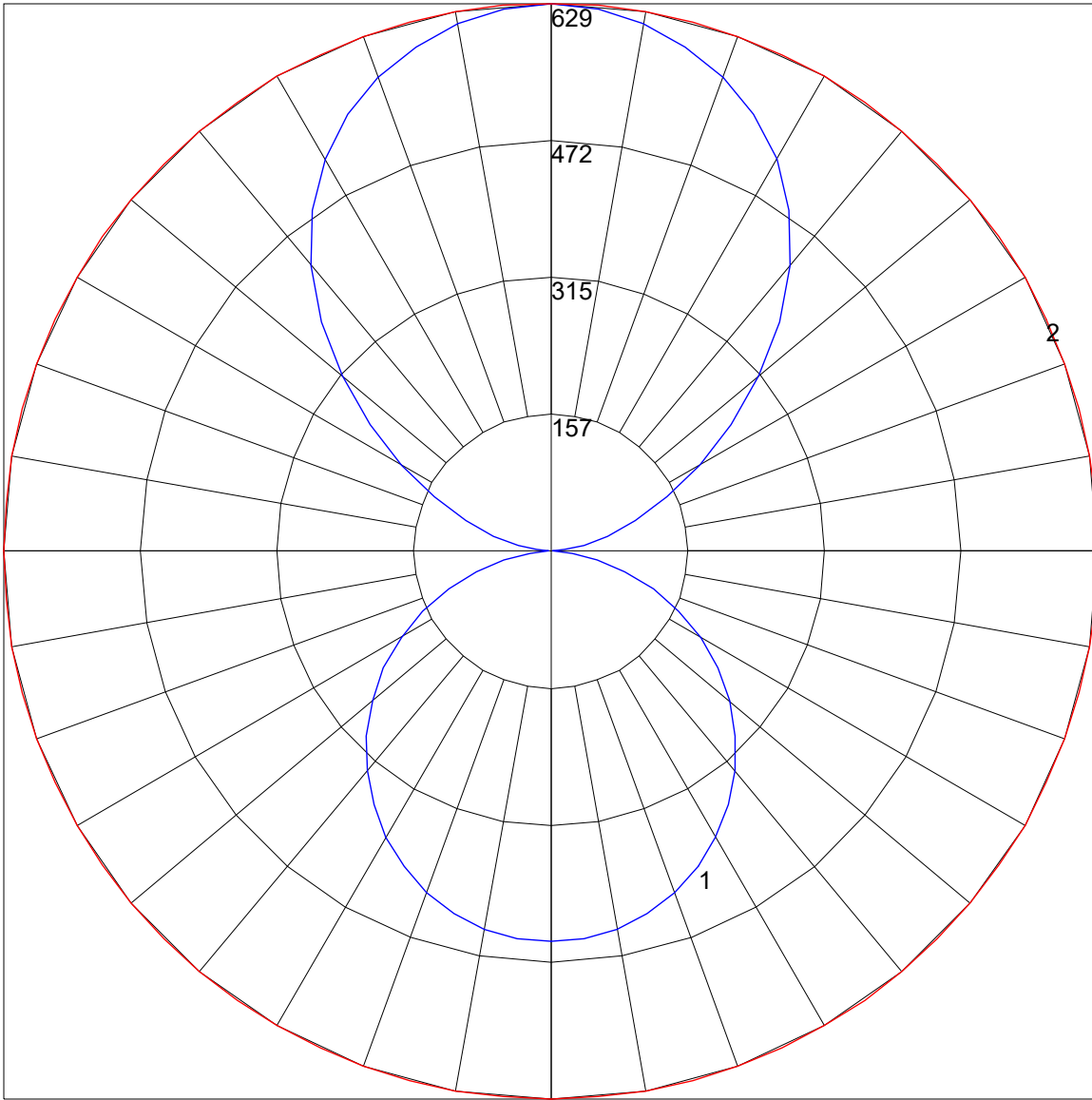
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	96	92	88	85	88	84	81	78	70	68	66	57	56	54	45	44	43	37
2	88	80	74	69	80	74	68	64	61	57	54	50	47	45	39	38	36	31
3	80	70	63	57	73	65	58	53	54	49	45	44	41	38	35	32	30	26
4	73	62	54	48	66	57	50	45	48	43	38	39	35	32	31	28	26	22
5	67	55	47	41	61	51	44	38	43	37	33	35	31	28	28	25	23	19
6	62	49	41	35	56	46	38	33	38	33	29	32	27	24	25	22	20	17
7	57	44	37	31	52	41	34	29	35	29	25	29	24	21	23	20	17	15
8	53	40	33	27	48	37	30	26	32	26	22	26	22	19	21	18	16	13
9	49	37	29	24	45	34	27	23	29	24	20	24	20	17	19	16	14	12
10	46	34	26	22	42	31	25	20	27	21	18	22	18	15	18	15	13	11

POLAR GRAPH



Maximum Candela = 629 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.)