

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 60° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U1S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	67	69	71	72
Total Lumens, 4' rail length (1219mm)	2053	2118	2161	2205
Lumens per foot (305mm)	513	530	540	551
Lumens per foot UP (305mm)	350	361	369	376
Lumens per foot DOWN (305mm)	163	168	172	175
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.

* R9: ~74 @ 3500K



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U1S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805809 (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-U1S2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens up/60° 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	2161
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	30.81
Ballast Factor	1.00
CIE Type	Semi-Indirect
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	874	1654	2924
55	397	816	1590
65	207	419	848
75	113	239	492
85	65	110	235

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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	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
1.0	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5
3.0	548.5	548.5	548.5	548.5	548.5	548.5	549.0	549.0	549.5	549.5
5.0	542.5	542.5	542.5	542.5	543.0	543.5	544.0	544.5	545.0	545.5
7.0	533.0	533.0	533.0	533.5	534.5	535.0	536.0	537.0	538.0	539.0
9.0	520.0	520.0	520.5	521.5	522.5	524.0	525.5	527.0	528.5	530.5
11.0	504.0	504.0	505.0	506.0	507.5	509.5	512.0	514.5	517.0	519.5
13.0	484.0	484.5	485.5	487.0	489.5	492.5	495.5	499.0	502.5	506.5
15.0	461.0	461.5	463.0	465.0	468.5	472.0	476.5	481.0	486.0	491.0
17.0	434.5	435.0	437.0	440.0	443.5	448.5	454.0	460.0	466.5	473.0
19.5	397.5	398.5	400.5	404.5	409.5	415.5	422.5	430.5	439.0	447.5
22.5	348.5	349.5	352.5	357.0	363.5	371.0	380.0	390.0	401.0	412.0
25.5	297.0	298.0	301.5	307.0	314.5	323.5	334.0	346.0	359.0	372.0
29.0	238.0	239.0	242.5	248.5	256.5	266.5	278.5	292.0	306.5	321.5
33.0	176.5	178.0	181.0	186.5	194.5	204.5	216.5	230.5	246.0	262.5
37.5	121.0	121.5	124.5	129.5	136.5	145.0	155.5	168.5	183.0	198.5
42.5	76.0	77.0	79.0	82.5	87.5	94.5	102.5	113.0	125.0	138.0
47.5	47.5	48.0	49.5	52.0	55.5	60.0	66.0	73.5	82.0	91.5
55.0	23.5	24.0	24.5	26.0	27.5	30.0	33.0	37.0	41.5	47.0
65.0	9.5	9.5	10.0	10.5	11.0	12.0	13.5	15.0	16.5	18.5
75.0	3.5	4.0	4.0	4.0	4.5	4.5	5.0	5.5	6.0	7.0
85.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	11.5	11.5	11.5	12.0	12.0	12.0	12.0	12.5	12.5	13.0
100.0	31.5	31.5	31.5	32.0	32.5	32.5	33.5	34.0	34.5	35.5
105.0	57.0	57.0	57.0	57.5	58.5	59.5	60.5	61.5	63.0	64.0
110.0	89.0	89.0	89.5	90.5	91.5	93.0	94.5	96.5	98.0	100.0
115.0	128.5	128.5	129.5	130.5	132.0	133.5	135.5	138.0	140.5	143.0
120.0	175.0	175.0	176.0	177.0	179.0	181.0	183.0	186.0	189.0	192.0
125.0	227.5	228.0	228.5	230.0	232.0	234.0	236.5	239.5	243.0	246.5
130.0	284.5	285.0	285.5	287.0	289.0	291.0	294.0	297.0	300.0	303.5
135.0	343.0	343.5	344.0	345.5	347.0	349.0	351.5	354.0	357.0	359.5
140.0	399.0	399.5	400.0	401.0	402.5	404.0	406.0	408.0	410.0	412.0
145.0	449.5	449.5	450.0	450.5	451.5	452.5	454.0	455.5	456.5	458.0
150.0	492.0	492.0	492.0	492.5	493.0	494.0	494.5	495.5	496.0	497.0
155.0	525.5	525.5	526.0	526.0	526.5	527.0	527.5	528.0	528.5	529.0
160.0	552.5	552.5	552.5	552.5	553.0	553.0	553.5	553.5	554.0	554.5
165.0	573.0	573.0	573.0	573.0	573.0	573.5	573.5	574.0	574.0	574.5
170.0	587.5	587.5	588.0	588.0	588.0	588.0	588.5	588.5	588.5	589.0
175.0	597.0	597.0	597.0	597.5	597.5	597.5	597.5	597.5	597.5	597.5
180.0	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5

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	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0	552.0
1.0	551.5	551.5	551.5	551.5	551.5	552.0	552.0	552.0	552.0
3.0	550.0	550.0	550.0	550.5	550.5	550.5	550.5	550.5	550.5
5.0	546.0	546.5	547.0	547.5	548.0	548.0	548.5	548.5	548.5
7.0	540.0	541.0	542.0	543.0	543.5	544.0	544.5	545.0	545.0
9.0	532.0	534.0	535.5	537.0	538.0	539.0	540.0	540.5	540.5
11.0	522.5	525.0	527.0	529.5	531.0	532.5	533.5	534.0	534.5
13.0	510.0	514.0	517.0	520.0	522.5	524.5	526.0	527.0	527.0
15.0	496.0	500.5	505.0	509.0	512.0	515.0	516.5	518.0	518.0

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CANDELA TABULATION - (Cont.)

17.0	479.5	485.5	491.0	496.0	500.0	503.5	506.0	507.5	508.0
19.5	455.5	463.5	471.0	477.0	482.5	487.0	490.0	492.0	492.5
22.5	422.5	433.0	442.0	450.5	457.5	463.0	467.0	469.5	470.0
25.5	385.0	398.0	409.5	420.0	428.5	435.0	440.0	442.5	443.5
29.0	337.5	352.5	366.5	379.0	389.0	397.0	402.5	406.0	407.0
33.0	280.0	296.5	312.0	326.0	337.5	346.5	353.0	356.5	358.0
37.5	216.0	232.5	248.5	263.0	275.0	284.5	291.0	295.0	296.0
42.5	152.5	167.0	181.5	194.0	205.0	214.0	220.0	223.5	225.0
47.5	102.5	114.0	124.5	134.5	144.0	150.5	155.5	158.5	159.5
55.0	52.5	59.0	65.0	70.5	75.5	79.5	82.5	84.5	85.0
65.0	21.0	23.5	25.5	28.0	29.5	31.5	32.5	33.5	33.5
75.0	7.5	8.5	9.0	10.0	10.5	11.0	11.5	12.0	12.0
85.0	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	13.0	13.5	13.5	13.5	13.5	14.0	13.5	13.5	13.5
100.0	36.0	36.5	37.5	38.0	38.5	39.0	39.0	39.0	39.0
105.0	65.5	67.0	68.5	69.5	70.5	71.0	71.5	72.0	72.0
110.0	102.5	104.5	106.0	108.0	109.5	110.5	111.0	111.5	111.5
115.0	145.5	148.5	150.5	153.0	154.5	156.0	157.0	157.5	157.5
120.0	195.0	198.0	201.0	203.5	205.5	207.0	208.0	208.5	209.0
125.0	249.5	253.0	256.0	258.5	260.0	262.0	263.0	264.0	264.5
130.0	306.5	309.5	312.0	314.5	316.5	318.0	319.5	320.5	320.5
135.0	362.5	365.0	367.0	369.0	370.5	372.0	373.5	374.5	374.5
140.0	414.0	416.0	417.5	419.0	420.5	421.5	423.0	423.5	424.0
145.0	459.5	460.5	462.0	463.0	464.0	465.5	466.5	467.0	467.5
150.0	498.0	498.5	499.5	500.5	501.5	502.5	503.5	504.0	504.0
155.0	529.5	530.0	531.0	531.5	532.5	533.0	534.0	534.5	534.5
160.0	555.0	555.5	556.0	557.0	557.5	558.0	558.5	559.0	559.0
165.0	575.0	575.5	575.5	576.0	576.5	577.0	577.5	577.5	577.5
170.0	589.0	589.5	589.5	590.0	590.0	590.0	590.5	590.5	590.5
175.0	597.5	598.0	598.0	598.0	598.0	598.0	598.0	598.0	598.0
180.0	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	180.17	N.A.	8.30
0-30	343.94	N.A.	15.90
0-40	477.17	N.A.	22.10
0-60	633.44	N.A.	29.30
0-80	681.24	N.A.	31.50
0-90	686.38	N.A.	31.80
10-90	644.51	N.A.	29.80
20-40	296.99	N.A.	13.70
20-50	405.56	N.A.	18.80
40-70	189.92	N.A.	8.80
60-80	47.80	N.A.	2.20
70-80	14.16	N.A.	0.70
80-90	5.14	N.A.	0.20
90-110	86.29	N.A.	4.00
90-120	229.42	N.A.	10.60
90-130	450.06	N.A.	20.80
90-150	1012.31	N.A.	46.80
90-180	1474.94	N.A.	68.20
110-180	1388.64	N.A.	64.20
0-180	2161.31	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.87
10-20	138.31
20-30	163.77
30-40	133.23
40-50	108.57
50-60	47.70
60-70	33.64
70-80	14.16
80-90	5.14
90-100	16.56
100-110	69.73
110-120	143.13
120-130	220.64
130-140	276.47
140-150	285.79
150-160	243.69
160-170	162.16
170-180	56.77

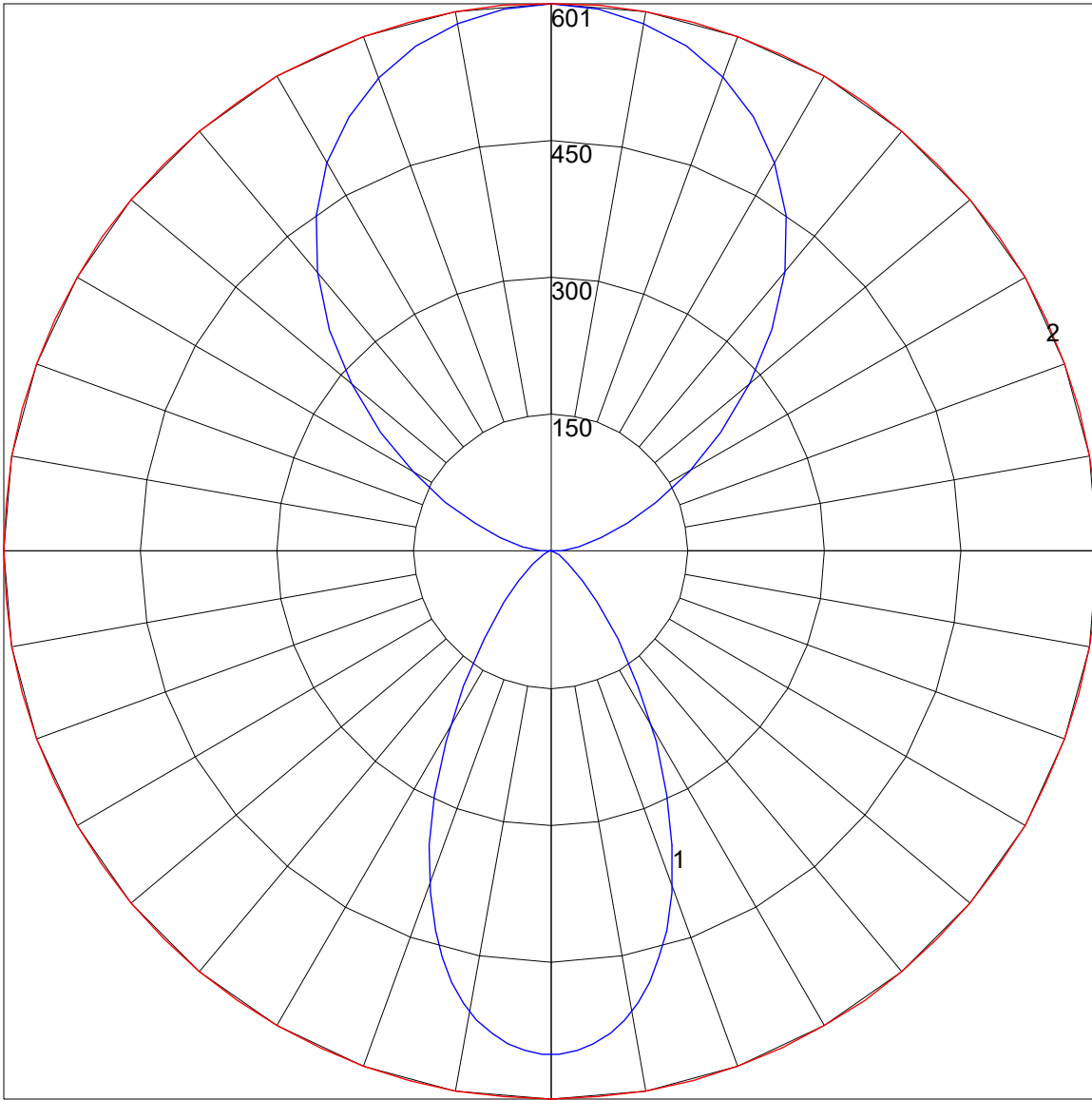
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	92	92	92	92	73	73	73	56	56	56	39	39	39	32
1	95	91	87	84	85	82	79	76	65	63	62	50	49	48	36	35	35	28
2	87	80	75	70	78	73	68	64	58	55	53	45	43	41	33	32	31	25
3	80	71	65	60	72	65	59	55	52	48	45	41	38	36	30	29	27	23
4	74	64	57	51	66	58	52	47	47	43	39	37	34	32	28	26	24	20
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	25	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	23	21	20	17
7	58	47	40	35	53	43	37	32	35	31	27	28	25	23	22	20	18	15
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	30	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 600.5 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.)