

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	69	71	72	75
Total Lumens, 4' rail length (1219mm)	2104	2170	2215	2259
Lumens per foot (305mm)	526	543	554	565
Lumens per foot UP (305mm)	365	376	384	392
Lumens per foot DOWN (305mm)	161	166	170	173
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_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805810 (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-U2S2-BL

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

[MORE] symmetric lens with edgeglow 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	2215
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
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	814	1604	2966
55	372	790	1609
65	196	408	860
75	113	222	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	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
1.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
3.0	545.0	545.0	545.0	545.0	545.0	545.5	545.5	545.5	545.5	546.0
5.0	538.5	538.5	539.0	539.0	539.5	540.0	540.5	541.0	541.5	542.0
7.0	529.0	529.0	529.5	530.0	530.5	531.5	532.0	533.0	534.5	535.5
9.0	516.0	516.5	517.0	517.5	518.5	520.0	521.5	523.5	525.0	527.0
11.0	499.5	499.5	500.5	501.5	503.5	505.5	508.0	510.5	513.5	516.0
13.0	479.0	479.5	480.5	482.5	485.0	488.0	491.0	495.0	499.0	503.0
15.0	455.5	456.0	457.5	460.0	463.0	467.0	471.5	477.0	482.0	487.5
17.0	428.0	428.5	430.5	433.5	438.0	443.0	449.0	455.5	462.5	469.0
19.5	390.0	391.0	393.5	397.5	402.5	409.5	417.0	425.5	434.5	443.5
22.5	339.5	341.0	344.0	349.0	355.5	364.0	373.5	384.5	396.0	407.0
25.5	287.5	288.5	292.0	297.5	305.5	315.0	326.5	339.0	353.0	367.5
29.0	228.0	229.0	233.0	239.0	247.0	257.5	270.0	284.5	300.5	317.0
33.0	167.5	168.5	172.0	178.0	186.0	196.0	208.5	223.5	240.0	257.5
37.5	113.5	114.5	117.0	122.0	129.0	138.0	148.5	162.0	177.5	194.0
42.5	71.0	71.5	74.0	77.5	82.5	89.0	97.5	108.0	120.5	134.0
47.5	44.0	44.5	46.0	48.5	52.0	56.5	62.5	69.5	78.5	88.5
55.0	22.0	22.0	23.0	24.0	26.0	28.5	31.5	35.5	40.0	45.5
65.0	9.0	9.0	9.5	10.0	10.5	11.5	12.5	14.5	16.0	18.0
75.0	3.5	3.5	3.5	4.0	4.0	4.5	5.0	5.5	6.0	6.5
85.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
90.0	6.5	6.5	6.0	6.0	6.0	5.5	5.0	4.5	4.0	3.5
95.0	19.5	19.5	19.0	19.0	19.0	18.5	18.5	18.0	17.5	17.5
100.0	39.5	40.0	40.0	40.0	40.0	40.0	40.0	40.5	40.5	41.0
105.0	66.0	66.0	66.5	66.5	67.0	67.5	68.5	69.5	70.0	71.0
110.0	99.5	99.5	100.0	100.5	101.5	102.5	104.0	105.5	107.0	108.5
115.0	141.0	141.0	141.5	142.5	143.5	145.0	146.5	149.0	151.0	153.5
120.0	189.5	190.0	190.5	191.5	193.0	195.0	197.0	199.5	202.0	205.0
125.0	245.0	245.0	246.0	247.0	248.5	251.0	253.0	256.0	258.5	261.5
130.0	304.0	304.5	305.0	306.5	308.0	310.0	312.5	315.0	317.5	320.0
135.0	363.5	364.0	364.5	365.5	367.0	369.0	370.5	372.5	374.5	376.5
140.0	419.0	419.0	419.5	420.5	421.5	422.5	423.5	425.0	426.0	427.5
145.0	466.5	466.5	467.0	467.5	468.0	468.5	469.0	469.5	470.5	471.0
150.0	505.5	505.5	505.5	505.5	506.0	506.0	506.5	507.0	507.0	507.5
155.0	536.0	536.0	536.0	536.0	536.5	536.5	536.5	537.0	537.5	537.5
160.0	560.5	560.5	560.5	560.5	561.0	561.0	561.0	561.5	561.5	562.0
165.0	579.5	579.5	579.5	579.5	579.5	579.5	580.0	580.0	580.0	580.0
170.0	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
175.0	599.5	599.5	599.5	600.0	599.5	600.0	600.0	600.0	600.0	600.0
180.0	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5

Vert. 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	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
1.0	548.0	548.0	548.0	548.0	548.0	548.5	548.0	548.0	548.5
3.0	546.0	546.5	546.5	547.0	547.0	547.0	547.0	547.0	547.0
5.0	542.5	543.0	543.5	544.0	544.0	544.5	545.0	545.0	545.0
7.0	536.5	537.5	538.5	539.5	540.5	541.0	541.5	542.0	542.0
9.0	529.0	530.5	532.5	534.0	535.0	536.0	537.0	537.5	537.5
11.0	519.0	521.5	524.0	526.5	528.0	530.0	531.0	531.5	532.0
13.0	507.0	510.5	514.0	517.5	520.0	522.0	523.5	524.5	525.0
15.0	493.0	498.0	502.5	506.5	510.0	513.0	515.0	516.0	516.5

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CANDELA TABULATION - (Cont.)

17.0	476.0	482.5	488.5	494.0	498.5	502.0	504.5	506.0	506.5
19.5	452.5	461.0	468.5	476.0	481.5	486.0	489.5	491.5	491.5
22.5	419.0	430.5	440.5	449.5	457.0	463.0	467.0	469.5	470.5
25.5	381.5	395.5	408.0	419.5	428.5	436.0	441.0	444.0	445.0
29.0	334.0	350.0	365.0	378.5	389.5	398.5	405.0	408.5	410.0
33.0	276.0	294.0	311.0	326.5	339.5	349.5	356.5	360.5	362.0
37.5	212.0	230.0	247.5	263.5	277.0	287.5	295.0	299.0	300.5
42.5	149.0	165.0	180.0	194.5	207.0	216.5	223.5	227.5	228.5
47.5	99.5	111.5	123.5	134.5	144.0	152.0	157.0	160.0	161.5
55.0	51.5	58.0	64.0	70.5	76.0	80.0	83.5	85.5	86.0
65.0	20.5	23.0	25.5	27.5	29.5	31.5	32.5	33.5	34.0
75.0	7.5	8.0	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	3.0	3.0	2.5	2.0	1.5	1.5	1.0	1.0	0.5
95.0	17.0	16.5	16.5	16.0	15.5	15.5	15.0	15.0	14.5
100.0	41.0	41.0	41.5	41.5	41.5	41.5	41.5	41.0	41.0
105.0	72.0	73.0	73.5	74.0	74.5	75.0	75.0	75.0	75.0
110.0	110.0	111.5	113.0	114.5	115.5	116.0	116.0	116.0	116.0
115.0	156.0	158.0	160.0	161.5	162.5	163.5	163.5	164.0	164.0
120.0	207.5	210.5	212.5	214.5	216.0	217.0	217.5	218.0	218.0
125.0	264.5	267.0	269.0	271.0	272.5	274.0	274.5	275.0	275.0
130.0	322.5	325.0	326.5	328.0	329.5	330.5	331.0	331.5	332.0
135.0	378.5	380.0	381.0	382.5	383.5	384.0	385.0	385.0	385.5
140.0	428.5	429.5	430.5	431.5	432.0	432.5	433.0	433.5	433.5
145.0	471.5	472.5	473.0	474.0	474.5	474.5	475.0	475.0	475.5
150.0	508.0	508.5	509.5	509.5	510.0	510.0	510.5	510.5	510.5
155.0	538.0	538.5	538.5	539.0	539.0	539.0	539.5	539.5	539.5
160.0	562.0	562.0	562.0	562.5	562.5	562.5	562.5	562.5	562.5
165.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0	580.0
170.0	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
175.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0	600.0
180.0	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5	602.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	178.86	N.A.	8.10
0-30	340.81	N.A.	15.40
0-40	472.15	N.A.	21.30
0-60	625.83	N.A.	28.30
0-80	672.81	N.A.	30.40
0-90	678.87	N.A.	30.70
10-90	637.28	N.A.	28.80
20-40	293.29	N.A.	13.20
20-50	400.13	N.A.	18.10
40-70	186.75	N.A.	8.40
60-80	46.98	N.A.	2.10
70-80	13.90	N.A.	0.60
80-90	6.07	N.A.	0.30
90-110	98.14	N.A.	4.40
90-120	251.24	N.A.	11.30
90-130	484.84	N.A.	21.90
90-150	1067.63	N.A.	48.20
90-180	1535.89	N.A.	69.30
110-180	1437.75	N.A.	64.90
0-180	2214.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.60
10-20	137.27
20-30	161.94
30-40	131.34
40-50	106.84
50-60	46.83
60-70	33.08
70-80	13.90
80-90	6.07
90-100	21.48
100-110	76.67
110-120	153.09
120-130	233.60
130-140	288.86
140-150	293.94
150-160	247.61
160-170	163.62
170-180	57.03

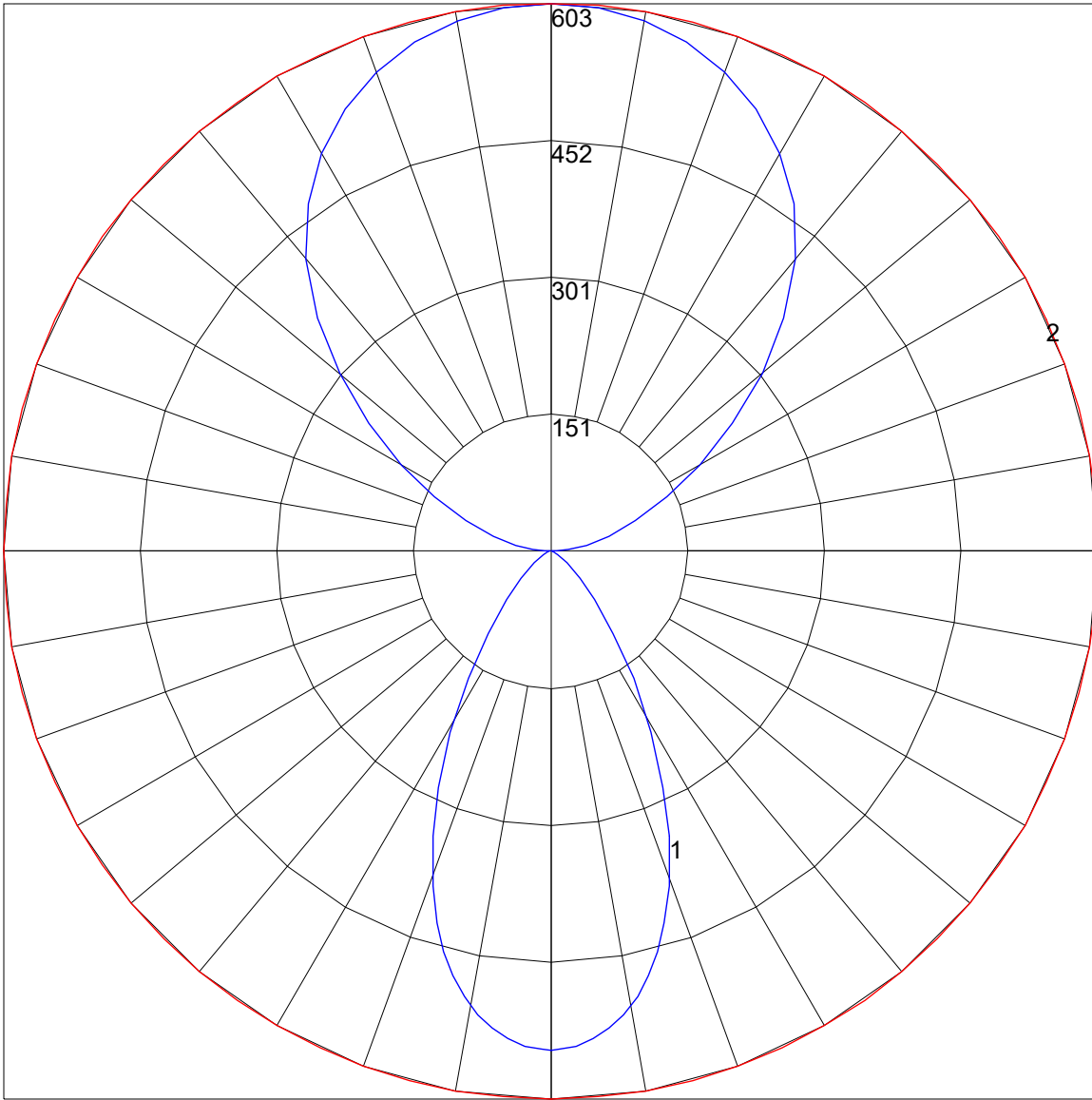
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55	55	55	38	38	38	31
1	94	90	87	84	85	81	79	76	65	63	61	49	48	47	35	34	34	27
2	87	80	74	70	78	72	68	64	58	55	52	44	42	41	32	31	30	24
3	80	71	65	59	71	64	59	54	52	48	45	40	38	36	29	28	27	22
4	73	63	56	51	66	58	52	47	47	42	39	36	34	31	27	25	24	20
5	68	57	50	44	61	52	46	41	42	38	34	33	30	28	25	23	21	18
6	62	51	44	39	56	47	41	36	38	34	30	30	27	25	23	21	19	16
7	58	47	39	34	52	43	36	32	35	30	27	28	25	22	21	19	18	15
8	54	43	36	31	49	39	33	29	32	28	24	26	23	20	20	18	16	14
9	50	39	32	28	45	36	30	26	30	25	22	24	21	18	18	16	15	13
10	47	36	29	25	43	33	27	23	27	23	20	22	19	17	17	15	14	12

POLAR GRAPH



Maximum Candela = 602.5 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.)