

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 40° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S1-0-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	81	83	85	88
Total Lumens, 4' rail length (1219mm)	2390	2466	2516	2541
Lumens per foot (305mm)	598	616	629	635
Lumens per foot UP (305mm)	409	421	430	434
Lumens per foot DOWN (305mm)	189	195	199	201
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_U2S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911552 (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-U2S1-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edgeglow up/40°

[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	2516
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	29.78
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)	0.26 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	1102	1834	3170
55	775	1205	2159
65	633	897	1593
75	499	660	1163
85	286	359	677

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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	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5
1.0	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5
3.0	598.0	598.0	598.0	598.0	598.0	598.5	598.5	598.5	599.0	599.0
5.0	589.5	589.5	590.0	590.0	590.5	591.0	592.0	592.5	593.0	594.0
7.0	577.0	577.0	577.5	578.0	579.0	580.0	581.5	582.5	584.0	585.5
9.0	559.5	559.5	560.0	561.5	563.0	565.0	567.0	569.5	572.0	574.5
11.0	537.5	538.0	539.0	540.5	543.0	546.0	549.0	553.0	556.5	560.5
13.0	511.5	512.0	513.5	516.0	519.0	523.0	527.5	533.0	538.5	544.0
15.0	481.5	482.0	484.0	487.0	491.5	496.5	502.5	509.5	516.5	524.0
17.0	448.5	449.0	451.5	455.5	460.5	467.5	475.0	483.0	492.0	501.0
19.5	404.0	405.0	408.0	412.5	419.0	427.5	436.5	447.0	458.5	470.0
22.5	348.0	349.0	352.5	358.5	366.0	376.0	387.5	400.0	414.0	428.0
25.5	292.5	294.0	298.0	304.0	312.5	323.5	336.0	351.0	366.5	383.0
29.0	233.5	235.0	239.0	245.0	254.0	265.0	278.0	293.0	310.5	328.5
33.0	177.0	178.0	181.5	187.5	195.5	206.0	218.5	233.0	250.0	267.5
37.5	129.0	130.0	133.0	137.5	144.0	152.5	163.0	176.0	190.5	207.0
42.5	92.5	93.5	95.5	99.0	103.5	110.0	118.0	127.5	139.5	152.5
47.5	69.0	69.5	71.0	73.5	77.0	81.5	87.0	94.0	102.0	111.5
55.0	47.5	48.0	48.5	50.0	52.0	54.5	57.5	61.5	66.5	72.0
65.0	30.0	30.0	30.5	31.0	32.0	33.0	34.5	36.5	38.5	41.0
75.0	16.0	16.5	16.5	16.5	17.0	17.5	18.0	18.5	19.5	20.0
85.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0	5.0
90.0	10.0	10.0	10.0	9.5	9.0	8.5	8.0	7.5	6.5	6.0
95.0	22.5	22.5	22.5	22.0	22.0	21.5	21.0	20.5	20.5	20.0
100.0	42.5	43.0	43.0	43.0	43.5	44.0	44.5	45.0	45.5	46.5
105.0	74.0	74.0	74.5	75.0	76.0	77.0	78.0	79.0	80.5	81.5
110.0	114.0	114.5	115.0	115.5	116.5	118.0	119.5	121.5	123.0	125.0
115.0	163.5	163.5	164.0	165.5	166.5	168.5	170.5	173.0	175.5	178.5
120.0	222.5	222.5	223.5	224.5	226.5	229.0	231.5	234.0	237.0	240.0
125.0	289.0	289.0	290.0	291.0	293.0	295.0	297.0	299.5	302.0	304.0
130.0	356.0	356.0	357.0	357.5	359.0	360.5	362.0	363.5	365.0	367.0
135.0	418.0	418.0	418.0	419.0	419.5	420.5	421.5	422.5	423.5	425.0
140.0	471.5	471.5	472.0	472.0	472.5	473.0	474.0	474.5	475.0	475.5
145.0	517.0	517.0	517.0	517.5	517.5	518.0	518.0	518.5	519.0	519.0
150.0	554.5	554.5	554.5	554.5	554.5	555.0	555.0	555.5	555.5	555.5
155.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.0	585.5
160.0	608.5	608.5	608.5	608.5	608.5	608.5	609.0	609.0	609.0	609.0
165.0	627.0	627.0	627.0	627.0	627.0	627.0	627.0	627.0	627.0	627.0
170.0	639.5	639.5	639.5	639.5	640.0	639.5	640.0	640.0	640.0	640.0
175.0	647.0	647.0	647.0	647.5	647.0	647.0	647.0	647.0	647.5	647.5
180.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0

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	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5
1.0	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5	600.5
3.0	599.5	599.5	599.5	599.5	600.0	600.0	600.0	600.5	600.0
5.0	594.5	595.0	596.0	596.5	597.0	597.5	597.5	598.0	598.0
7.0	587.5	589.0	590.5	591.5	592.5	593.5	594.0	594.5	594.5
9.0	577.5	580.0	582.5	584.5	586.5	588.0	589.0	589.5	590.0
11.0	565.0	568.5	572.5	575.5	578.5	581.0	582.5	583.5	584.0
13.0	549.5	555.0	560.0	565.0	568.5	572.0	574.0	575.5	576.0
15.0	531.0	538.5	545.0	551.0	556.0	560.5	563.5	565.5	566.0

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CANDELA TABULATION - (Cont.)

17.0	510.5	519.5	528.0	535.5	542.0	547.5	551.0	553.5	554.0
19.5	481.5	493.0	503.5	513.0	521.5	528.0	533.0	535.5	536.5
22.5	442.5	456.5	469.5	482.0	492.0	500.0	506.0	510.0	511.0
25.5	400.0	416.0	431.5	446.0	458.0	467.5	474.5	479.0	480.0
29.0	347.0	365.5	382.5	399.0	412.5	424.0	431.5	436.5	438.0
33.0	287.0	306.0	324.5	342.0	356.5	368.5	377.0	382.0	383.5
37.5	224.5	242.5	260.5	277.0	291.0	303.0	311.5	316.5	318.0
42.5	166.5	181.5	196.5	211.0	223.0	233.5	241.0	245.5	247.0
47.5	122.5	133.5	145.0	156.5	166.5	175.0	181.0	185.0	186.5
55.0	78.0	85.0	92.0	99.0	105.5	111.5	116.0	119.0	120.0
65.0	44.0	47.0	50.5	54.0	57.5	60.5	63.0	64.5	65.5
75.0	21.5	22.5	24.0	25.0	26.5	27.5	28.5	29.5	29.5
85.0	5.0	5.0	5.5	5.5	6.0	6.0	6.0	6.0	6.0
90.0	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.5
95.0	19.5	19.5	19.5	19.5	19.0	19.0	19.0	19.0	19.0
100.0	47.0	47.5	47.5	48.0	48.5	49.0	49.5	49.5	49.0
105.0	82.5	83.5	84.5	86.0	87.5	88.0	88.0	88.0	88.0
110.0	127.0	129.5	131.5	133.5	134.5	135.0	135.5	135.5	135.5
115.0	181.5	184.0	186.0	187.5	189.0	189.5	190.0	190.5	190.5
120.0	242.5	244.5	246.5	248.0	249.5	250.0	251.0	251.0	251.5
125.0	306.0	308.0	309.5	311.0	312.0	312.5	313.5	313.5	314.0
130.0	368.0	369.5	371.0	372.0	372.5	373.5	374.0	374.0	374.0
135.0	425.5	426.5	427.5	428.0	428.5	429.0	429.5	429.5	430.0
140.0	476.0	476.5	477.0	477.5	478.0	478.5	478.5	479.0	479.0
145.0	519.5	519.5	520.0	520.0	520.5	521.0	521.0	521.0	521.0
150.0	555.5	556.0	556.0	556.5	556.5	556.5	557.0	557.0	556.5
155.0	585.5	585.5	586.0	586.0	586.0	586.5	586.5	586.5	586.5
160.0	609.0	609.5	609.5	609.5	609.5	609.5	610.0	610.0	610.0
165.0	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5	627.5
170.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0
175.0	647.0	647.0	647.0	647.5	647.0	647.0	647.0	647.0	647.0
180.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0	649.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	193.33	N.A.	7.70
0-30	363.77	N.A.	14.50
0-40	502.11	N.A.	20.00
0-60	686.51	N.A.	27.30
0-80	778.20	N.A.	30.90
0-90	795.58	N.A.	31.60
10-90	750.06	N.A.	29.80
20-40	308.77	N.A.	12.30
20-50	429.79	N.A.	17.10
40-70	242.26	N.A.	9.60
60-80	91.69	N.A.	3.60
70-80	33.83	N.A.	1.30
80-90	17.39	N.A.	0.70
90-110	113.41	N.A.	4.50
90-120	291.30	N.A.	11.60
90-130	561.71	N.A.	22.30
90-150	1212.09	N.A.	48.20
90-180	1720.4	N.A.	68.40
110-180	1606.98	N.A.	63.90
0-180	2515.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	45.52
10-20	147.81
20-30	170.44
30-40	138.34
40-50	121.02
50-60	63.38
60-70	57.86
70-80	33.83
80-90	17.39
90-100	25.29
100-110	88.13
110-120	177.89
120-130	270.41
130-140	326.22
140-150	324.16
150-160	269.71
160-170	177.06
170-180	61.53

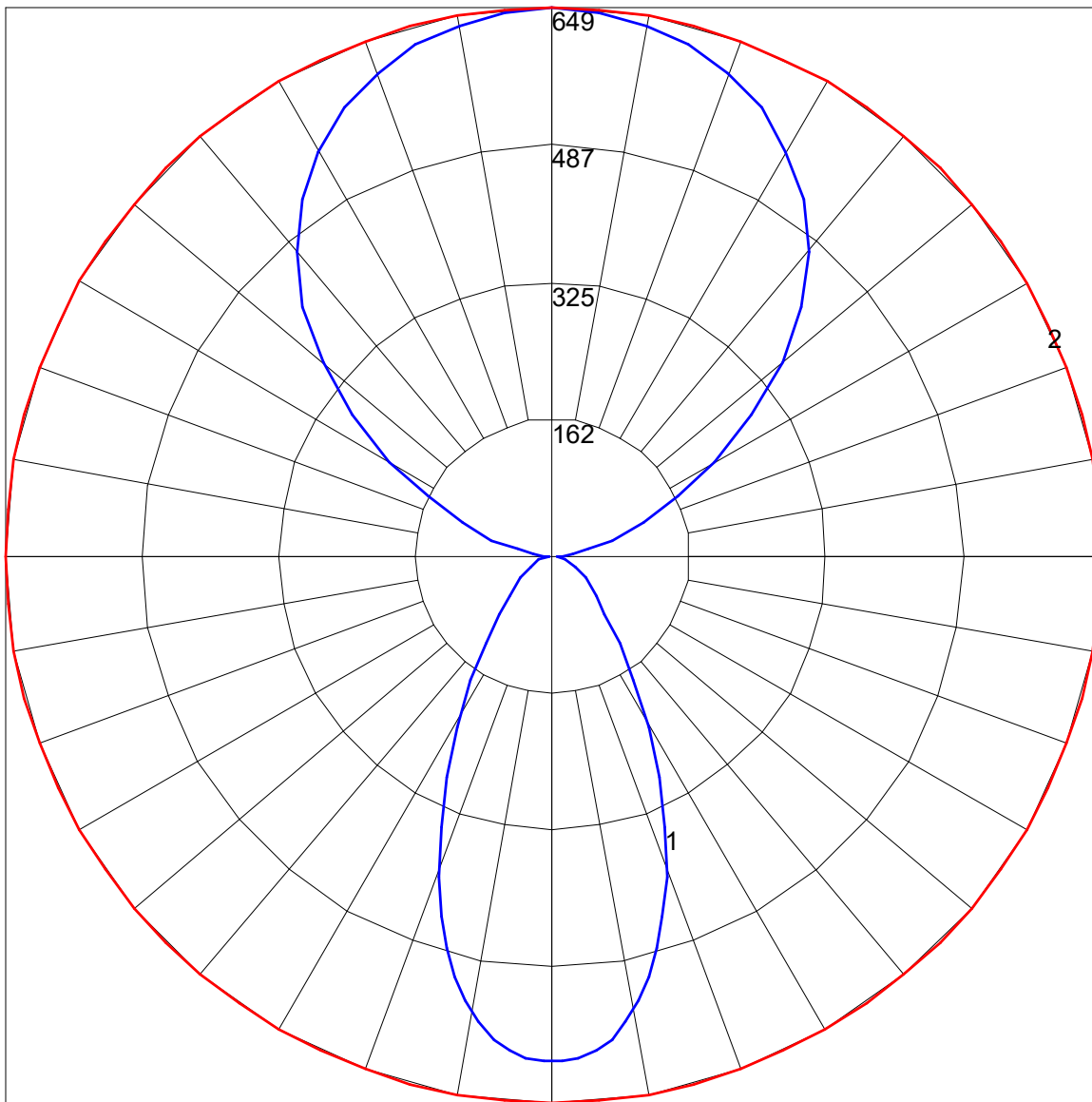
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	39	39	39	32
1	94	90	86	83	85	81	78	75	65	63	61	49	48	47	35	35	34	27
2	86	79	74	69	77	72	67	63	57	54	51	44	42	40	32	31	30	24
3	79	70	64	58	71	64	58	53	51	47	44	40	37	35	29	27	26	21
4	73	63	55	50	65	57	51	46	46	42	38	36	33	30	26	25	23	19
5	67	56	49	43	60	51	45	40	42	37	33	33	29	27	24	22	21	17
6	62	51	43	38	56	46	40	35	38	33	29	30	26	24	22	20	19	16
7	57	46	39	33	52	42	36	31	34	30	26	27	24	22	21	19	17	14
8	53	42	35	30	48	38	32	28	32	27	24	25	22	19	19	17	15	13
9	50	38	31	27	45	35	29	25	29	24	21	23	20	18	18	16	14	12
10	47	35	29	24	42	32	26	22	27	22	19	22	18	16	17	15	13	11

POLAR GRAPH



Maximum Candela = 649 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.)