

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	101
Total Lumens, 4' rail length (1219mm)	2730	2816	2874	2902
Lumens per foot (305mm)	683	704	718	726
Lumens per foot UP (305mm)	429	442	451	456
Lumens per foot DOWN (305mm)	254	262	267	270
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_U2S2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911553 (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-U2S2-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens with edge glow up/60°

[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	2874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
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	1917	3015	3861
55	1126	1816	2644
65	823	1214	1971
75	624	858	1458
85	349	466	902

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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	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
1.0	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
3.0	665.0	665.0	665.0	665.0	665.5	665.5	665.5	665.5	665.5	665.5
5.0	661.5	661.5	661.5	661.5	662.0	662.0	662.5	662.5	663.0	663.0
7.0	655.5	655.5	656.0	656.0	656.5	657.0	657.5	658.0	658.5	659.0
9.0	647.0	647.0	647.5	648.0	648.5	649.0	650.0	651.0	652.0	652.5
11.0	636.0	636.0	636.5	637.5	638.5	639.5	640.5	642.0	643.5	645.0
13.0	622.5	622.5	623.0	624.0	625.5	627.0	629.0	631.0	633.0	635.0
15.0	605.5	606.0	607.0	608.5	610.0	612.5	615.0	618.0	620.5	623.5
17.0	585.5	586.0	587.5	589.5	592.0	595.0	598.5	602.0	606.0	609.5
19.5	556.0	557.0	558.5	561.5	565.0	569.5	574.0	579.0	584.0	589.0
22.5	513.5	514.0	516.5	520.5	525.5	531.5	538.0	545.0	552.0	558.5
25.5	463.5	464.5	467.5	472.5	479.5	487.5	496.0	505.0	514.0	522.5
29.0	399.0	400.0	404.0	410.5	419.0	429.0	440.0	451.5	463.0	474.0
33.0	321.5	323.0	327.5	335.0	344.5	356.5	369.5	383.5	397.5	410.5
37.5	239.5	241.5	246.0	253.5	263.5	275.5	289.5	304.5	320.0	334.5
42.5	166.5	167.5	171.5	178.0	186.5	197.5	209.5	223.5	238.0	252.0
47.5	114.5	115.5	118.5	123.0	129.5	138.0	147.5	158.5	170.5	182.0
55.0	69.0	69.5	71.0	73.5	77.0	82.0	87.5	94.0	101.0	108.5
65.0	39.0	39.0	39.5	41.0	42.0	44.0	46.5	49.0	52.5	55.5
75.0	20.0	20.0	20.5	21.0	21.5	22.0	23.0	24.0	25.0	26.0
85.0	5.5	5.5	5.5	5.5	5.5	5.5	6.0	6.0	6.0	6.5
90.0	10.5	10.5	10.5	10.0	9.5	9.0	8.5	8.0	7.0	6.5
95.0	24.5	24.5	24.5	24.0	24.0	23.5	23.0	22.5	22.0	21.0
100.0	44.0	44.0	44.0	44.5	44.5	44.5	45.0	45.5	46.0	47.0
105.0	75.0	75.5	76.0	76.5	77.5	79.0	80.5	82.0	83.5	85.0
110.0	118.5	118.5	119.0	120.0	121.5	123.0	125.0	126.5	128.5	131.0
115.0	170.5	171.0	171.5	172.5	174.0	176.0	178.5	181.5	184.0	186.5
120.0	233.0	233.5	234.5	235.5	237.5	239.5	241.5	244.0	247.0	250.0
125.0	301.5	301.5	302.5	303.5	305.0	307.0	309.5	312.5	316.0	319.0
130.0	371.0	371.0	372.0	373.0	375.0	377.5	379.5	382.0	384.0	386.0
135.0	438.5	438.5	439.0	440.0	441.0	442.0	443.0	444.5	445.5	447.0
140.0	496.0	496.0	496.0	496.5	497.0	498.0	498.5	499.0	500.0	500.5
145.0	543.5	543.5	543.5	544.0	544.0	544.5	545.0	545.0	545.5	546.0
150.0	582.5	582.5	582.5	583.0	583.0	583.0	583.5	583.5	583.5	584.0
155.0	614.5	614.5	614.0	614.0	614.5	614.5	614.5	614.5	614.5	615.0
160.0	639.0	639.5	639.5	639.5	639.5	639.5	639.5	639.5	639.5	640.0
165.0	658.5	658.5	658.0	658.5	658.5	658.5	658.5	658.5	658.5	658.5
170.0	671.5	671.5	671.5	671.5	671.5	671.5	672.0	672.0	672.0	672.0
175.0	679.0	679.0	679.0	679.0	679.5	679.5	679.0	679.0	679.5	679.0
180.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0

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	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
1.0	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
3.0	665.5	666.0	666.0	666.0	666.0	666.0	666.0	666.0	666.0
5.0	663.5	663.5	664.0	664.0	664.0	664.5	664.5	664.5	664.5
7.0	659.5	660.0	660.5	661.0	661.5	661.5	662.0	662.0	662.0
9.0	654.0	654.5	655.5	656.5	657.0	657.5	658.0	658.0	658.0
11.0	646.5	647.5	649.0	650.0	651.0	652.0	652.5	652.5	653.0
13.0	637.5	639.0	641.0	642.5	643.5	644.5	645.5	646.0	646.0
15.0	626.0	628.5	631.0	633.0	634.5	636.0	636.5	637.0	637.5

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CANDELA TABULATION - (Cont.)

17.0	613.0	616.0	619.0	621.5	623.5	625.0	626.0	626.5	627.0
19.5	593.5	597.5	601.0	604.0	606.5	608.5	610.0	610.5	610.5
22.5	564.5	570.0	574.5	578.5	581.5	583.5	585.0	586.5	586.5
25.5	530.5	537.0	542.5	547.0	550.5	553.5	555.0	556.0	556.5
29.0	483.5	492.0	499.0	504.5	508.5	511.0	513.0	514.0	514.0
33.0	422.5	433.0	441.0	447.0	451.0	454.0	455.5	456.5	456.5
37.5	348.0	359.0	368.0	374.0	378.5	381.0	382.5	383.0	383.5
42.5	265.5	276.5	285.0	291.0	295.0	298.0	299.5	300.0	300.5
47.5	193.5	203.0	210.5	216.5	221.0	224.0	226.0	227.0	227.5
55.0	116.0	122.5	128.5	133.5	138.0	142.0	144.5	146.0	147.0
65.0	59.0	63.0	66.5	70.0	73.5	76.5	79.0	80.5	81.0
75.0	27.5	29.0	30.5	32.0	33.5	35.0	36.0	37.0	37.0
85.0	6.5	7.0	7.0	7.5	7.5	7.5	8.0	8.0	8.0
90.0	5.5	5.0	4.0	3.5	3.0	2.5	2.0	1.5	1.5
95.0	20.5	20.5	20.0	20.0	20.0	20.0	20.0	20.0	20.0
100.0	48.0	49.0	49.5	50.0	50.5	50.5	51.5	51.5	51.5
105.0	86.0	87.5	88.5	89.5	91.0	92.0	92.5	92.5	92.5
110.0	133.0	135.0	137.0	139.5	141.0	142.0	142.5	142.5	142.5
115.0	189.0	192.0	195.0	197.5	198.5	199.5	200.0	200.5	200.5
120.0	254.0	257.0	259.0	261.0	262.5	263.5	264.0	264.5	264.5
125.0	322.0	324.0	326.0	327.0	328.5	329.5	329.5	330.0	330.5
130.0	387.5	389.0	390.5	391.5	392.5	393.0	393.5	393.5	393.5
135.0	448.0	449.0	449.5	450.5	451.0	451.5	451.5	452.0	452.0
140.0	501.0	501.5	502.0	502.5	502.5	503.0	503.0	503.5	503.5
145.0	546.0	546.5	546.5	547.0	547.0	547.5	547.5	547.5	547.5
150.0	584.0	584.0	584.5	584.5	584.5	585.0	585.0	585.0	585.0
155.0	615.0	615.0	615.0	615.5	615.5	615.5	615.5	615.5	615.5
160.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.0	640.5
165.0	658.5	658.5	658.5	659.0	659.0	659.0	658.5	658.5	659.0
170.0	671.5	672.0	672.0	672.0	672.0	672.0	672.0	672.0	672.0
175.0	679.0	679.0	679.0	679.5	679.0	679.5	679.5	679.5	679.5
180.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0	681.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	226.74	N.A.	7.90
0-30	451.78	N.A.	15.70
0-40	652.38	N.A.	22.70
0-60	924.38	N.A.	32.20
0-80	1046.61	N.A.	36.40
0-90	1068.38	N.A.	37.20
10-90	1017.31	N.A.	35.40
20-40	425.64	N.A.	14.80
20-50	606.51	N.A.	21.10
40-70	350.52	N.A.	12.20
60-80	122.23	N.A.	4.30
70-80	43.71	N.A.	1.50
80-90	21.77	N.A.	0.80
90-110	118.01	N.A.	4.10
90-120	304.34	N.A.	10.60
90-130	587.87	N.A.	20.50
90-150	1271.57	N.A.	44.20
90-180	1805.36	N.A.	62.80
110-180	1687.35	N.A.	58.70
0-180	2873.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.07
10-20	175.67
20-30	225.04
30-40	200.60
40-50	180.87
50-60	91.13
60-70	78.51
70-80	43.71
80-90	21.77
90-100	26.48
100-110	91.53
110-120	186.33
120-130	283.54
130-140	342.91
140-150	340.79
150-160	283.28
160-170	185.92
170-180	64.59

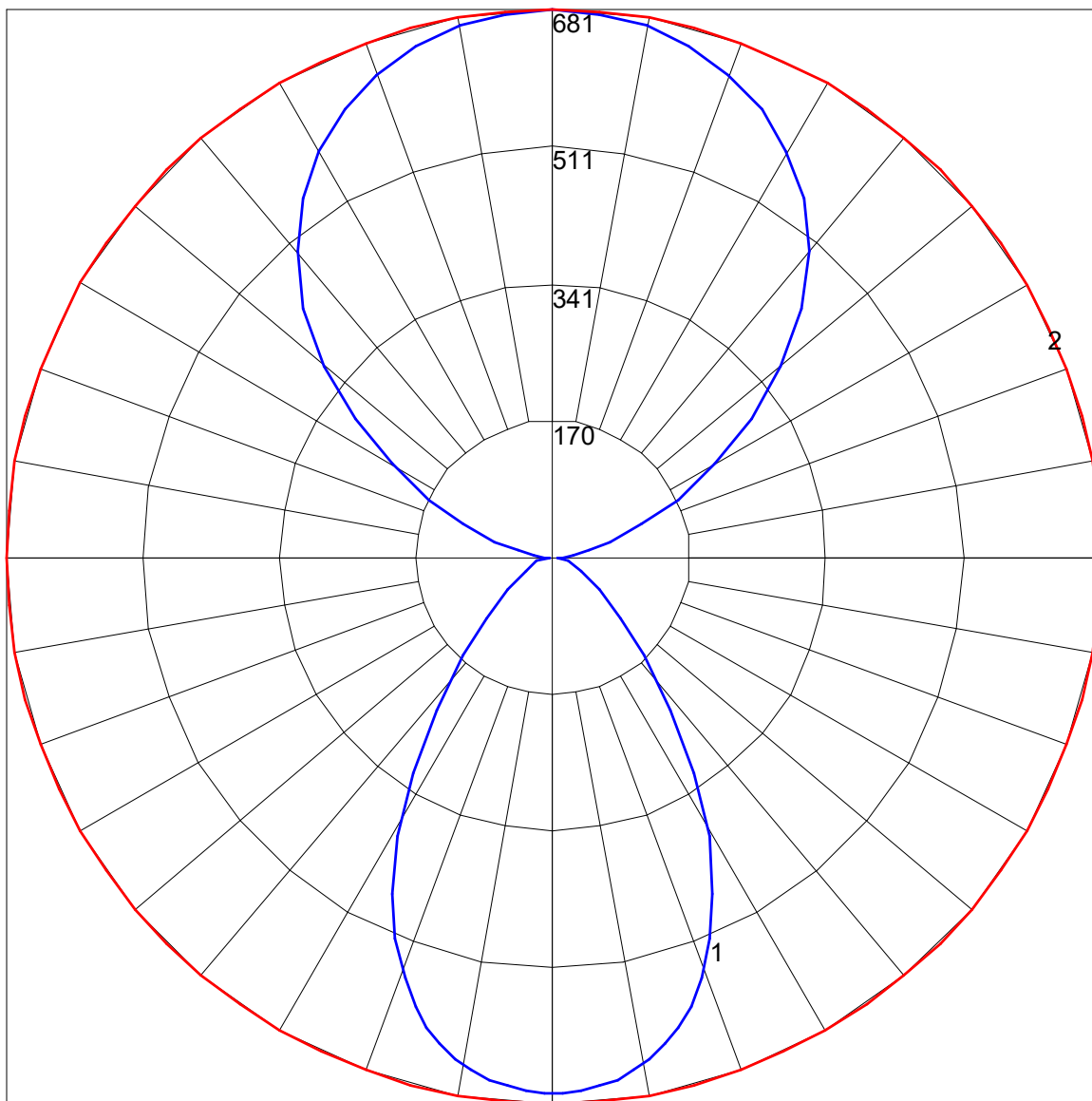
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	94	94	94	94	76	76	76	60	60	60	44	44	44	37
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	81	75	70	79	73	69	64	60	56	54	47	45	43	36	35	33	28
3	80	71	65	59	73	65	59	55	53	49	46	43	40	37	33	31	29	25
4	74	64	56	51	67	58	52	47	48	43	40	38	35	33	30	28	26	22
5	68	57	50	44	62	52	46	41	43	38	35	35	32	29	27	25	23	20
6	63	51	44	38	57	47	41	36	39	34	31	32	28	26	25	23	21	18
7	58	47	39	34	53	43	36	32	36	31	27	29	26	23	23	21	19	16
8	54	43	35	30	49	39	33	28	33	28	24	27	23	21	21	19	17	15
9	50	39	32	27	46	36	30	25	30	25	22	25	21	19	20	17	16	13
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 681 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.)