

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	91	93	95	99
Total Lumens, 4' rail length (1219mm)	2680	2765	2821	2849
Lumens per foot (305mm)	670	691	705	712
Lumens per foot UP (305mm)	419	433	441	446
Lumens per foot DOWN (305mm)	251	259	264	267
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_U1S2.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911547 (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-U1S2-AL

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

[MORE] 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	2821
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
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	1962	2976	3762
55	1151	1799	2608
65	823	1214	1946
75	624	858	1439
85	349	430	846

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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	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0
1.0	661.0	661.0	660.5	660.5	661.0	661.0	661.0	661.0	661.0	661.0
3.0	659.0	659.0	659.5	659.5	659.5	659.5	659.5	659.5	659.5	659.5
5.0	655.5	655.5	656.0	656.0	656.0	656.0	656.5	656.5	656.5	657.0
7.0	650.0	650.0	650.0	650.5	650.5	651.0	651.5	652.0	652.5	653.0
9.0	641.5	641.5	642.5	642.5	643.0	643.5	644.5	645.5	646.0	647.0
11.0	630.5	631.0	631.5	632.0	632.5	634.0	635.0	636.5	638.0	639.0
13.0	617.0	617.5	618.0	619.0	620.0	622.0	623.5	625.5	627.0	629.0
15.0	600.5	601.0	602.0	603.5	605.5	607.5	609.5	612.0	615.0	617.5
17.0	581.5	581.5	583.0	584.5	587.0	590.0	593.0	596.5	600.0	603.5
19.5	552.0	553.0	554.5	557.0	560.5	564.5	569.0	574.0	578.5	583.0
22.5	510.5	511.5	513.5	517.0	522.0	527.5	533.5	540.0	546.0	552.5
25.5	462.5	463.5	466.5	471.0	477.5	484.5	492.5	500.5	509.0	516.5
29.0	399.5	401.0	404.5	410.5	418.0	427.5	437.5	448.0	458.5	467.5
33.0	324.0	325.0	329.5	336.5	346.0	357.0	369.0	381.5	394.0	405.0
37.5	243.0	244.5	249.0	256.0	265.5	277.0	290.0	303.5	317.0	329.5
42.5	170.0	171.0	175.0	181.0	189.0	199.5	211.0	223.5	236.5	248.5
47.5	117.5	118.5	121.5	126.0	132.5	140.0	149.0	159.0	169.5	180.0
55.0	70.5	71.0	72.5	75.5	79.0	83.5	88.5	94.5	101.0	107.5
65.0	39.0	39.5	40.0	41.0	43.0	44.5	47.0	49.5	52.5	55.5
75.0	20.0	20.0	20.5	20.5	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	5.5	6.0	6.0	6.0
90.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
95.0	14.0	14.0	14.0	14.0	14.5	14.5	14.5	15.0	15.0	15.5
100.0	38.0	38.0	38.5	39.0	40.0	41.0	42.0	43.5	44.5	46.0
105.0	74.5	75.0	75.5	76.0	77.5	78.5	80.0	81.5	83.0	84.5
110.0	118.5	118.5	119.0	120.0	121.5	123.0	124.5	126.5	128.0	130.0
115.0	169.5	169.5	170.5	171.5	173.0	174.5	176.5	178.5	180.5	183.0
120.0	228.0	228.0	229.0	230.0	231.5	233.0	235.5	238.5	241.5	244.5
125.0	292.5	292.5	293.5	295.0	297.0	299.0	301.5	304.0	307.0	309.0
130.0	360.5	361.0	361.5	362.5	364.0	365.5	367.5	369.0	371.0	372.5
135.0	424.5	425.0	425.0	426.0	427.0	428.0	429.0	430.5	431.5	432.5
140.0	481.5	481.5	482.0	482.5	483.0	483.5	484.5	485.0	486.0	487.0
145.0	530.0	530.5	530.5	531.0	531.0	531.5	532.5	533.0	533.5	534.5
150.0	571.5	571.5	571.5	572.0	572.0	572.5	573.0	573.5	574.0	574.5
155.0	605.5	605.5	605.5	606.0	606.0	606.5	606.5	607.0	607.5	608.0
160.0	633.0	632.5	633.0	633.0	633.0	633.0	633.5	633.5	634.0	634.0
165.0	653.0	653.0	653.0	653.5	653.5	653.5	653.5	653.5	653.5	653.5
170.0	667.0	667.0	667.0	667.0	667.0	667.0	667.0	667.0	667.0	667.0
175.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0
180.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0

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	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0	661.0
1.0	661.0	660.5	661.0	660.5	661.0	660.5	661.0	660.5	660.5
3.0	660.0	659.5	660.0	660.0	660.0	660.0	660.0	660.0	660.0
5.0	657.0	657.5	657.5	658.0	658.0	658.0	658.5	658.5	658.5
7.0	653.5	654.0	654.0	654.5	655.0	655.5	655.5	655.5	655.5
9.0	648.0	648.5	649.5	650.0	650.5	651.0	651.5	651.5	651.5
11.0	640.5	641.5	643.0	643.5	644.5	645.0	645.5	645.5	645.5
13.0	631.0	632.5	634.0	635.5	636.5	637.5	638.0	638.5	638.5
15.0	620.0	622.0	624.0	626.0	627.5	628.5	629.0	629.5	629.5

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CANDELA TABULATION - (Cont.)

17.0	606.5	609.5	611.5	614.0	616.0	617.0	618.0	618.5	618.5
19.5	587.0	590.5	593.5	596.5	598.5	600.0	601.0	601.5	602.0
22.5	558.0	563.0	567.0	569.5	572.0	574.0	575.0	576.0	576.5
25.5	523.5	529.5	534.0	538.0	541.0	543.0	544.0	545.0	545.5
29.0	476.5	484.0	489.5	494.0	497.5	499.5	501.0	501.5	501.5
33.0	415.5	424.0	430.5	436.0	439.5	441.5	442.5	443.5	444.0
37.5	341.5	350.5	358.0	363.5	367.0	369.5	371.0	371.5	372.0
42.5	260.5	269.5	277.0	283.0	286.5	289.5	291.0	292.0	292.0
47.5	190.0	198.0	205.5	211.0	215.5	218.5	221.0	222.0	222.5
55.0	114.5	120.5	126.0	131.5	136.0	139.5	142.5	144.0	145.0
65.0	59.0	62.5	65.5	69.0	72.5	75.5	77.5	79.0	80.0
75.0	27.5	28.5	30.0	31.5	33.0	34.5	35.5	36.0	36.5
85.0	6.5	6.5	7.0	7.0	7.5	7.5	7.5	7.5	7.5
90.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
95.0	16.0	16.5	17.5	18.0	18.5	18.5	19.0	19.5	19.5
100.0	47.0	48.0	48.5	49.0	49.5	51.0	51.5	51.5	52.0
105.0	85.5	87.0	88.0	89.5	91.0	92.0	92.5	93.0	93.0
110.0	131.5	133.5	136.0	138.0	139.5	140.5	141.0	141.5	141.5
115.0	186.0	189.0	191.0	193.0	194.0	195.0	196.0	196.5	196.5
120.0	247.5	249.5	251.5	253.0	254.5	255.5	256.5	257.0	257.5
125.0	311.0	313.0	314.5	316.0	317.0	318.5	319.5	320.0	320.5
130.0	374.0	375.5	377.0	378.5	380.0	381.0	381.5	382.0	382.5
135.0	434.0	435.0	436.5	437.5	438.5	439.5	440.5	440.5	441.0
140.0	488.0	489.0	490.0	491.0	492.0	492.5	493.0	493.0	493.0
145.0	535.0	536.0	537.0	537.5	538.0	538.5	538.5	539.0	539.0
150.0	575.5	576.0	576.5	577.0	577.0	577.5	577.5	578.0	578.0
155.0	608.0	608.5	609.0	609.0	609.0	609.5	609.5	609.5	609.5
160.0	634.5	634.5	634.5	634.5	634.5	635.0	635.0	635.0	635.0
165.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0	654.0
170.0	667.5	667.0	667.0	667.0	667.5	667.0	667.5	667.5	667.5
175.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0	675.0
180.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	224.54	N.A.	8.00
0-30	446.97	N.A.	15.80
0-40	644.89	N.A.	22.90
0-60	914.06	N.A.	32.40
0-80	1035.7	N.A.	36.70
0-90	1055.82	N.A.	37.40
10-90	1005.21	N.A.	35.60
20-40	420.35	N.A.	14.90
20-50	599.03	N.A.	21.20
40-70	347.36	N.A.	12.30
60-80	121.64	N.A.	4.30
70-80	43.45	N.A.	1.50
80-90	20.12	N.A.	0.70
90-110	112.05	N.A.	4.00
90-120	295.16	N.A.	10.50
90-130	570.20	N.A.	20.20
90-150	1236.98	N.A.	43.80
90-180	1765.47	N.A.	62.60
110-180	1653.42	N.A.	58.60
0-180	2821.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	50.61
10-20	173.93
20-30	222.43
30-40	197.92
40-50	178.68
50-60	90.50
60-70	78.19
70-80	43.45
80-90	20.12
90-100	21.45
100-110	90.59
110-120	183.11
120-130	275.04
130-140	332.95
140-150	333.83
150-160	279.85
160-170	184.47
170-180	64.17

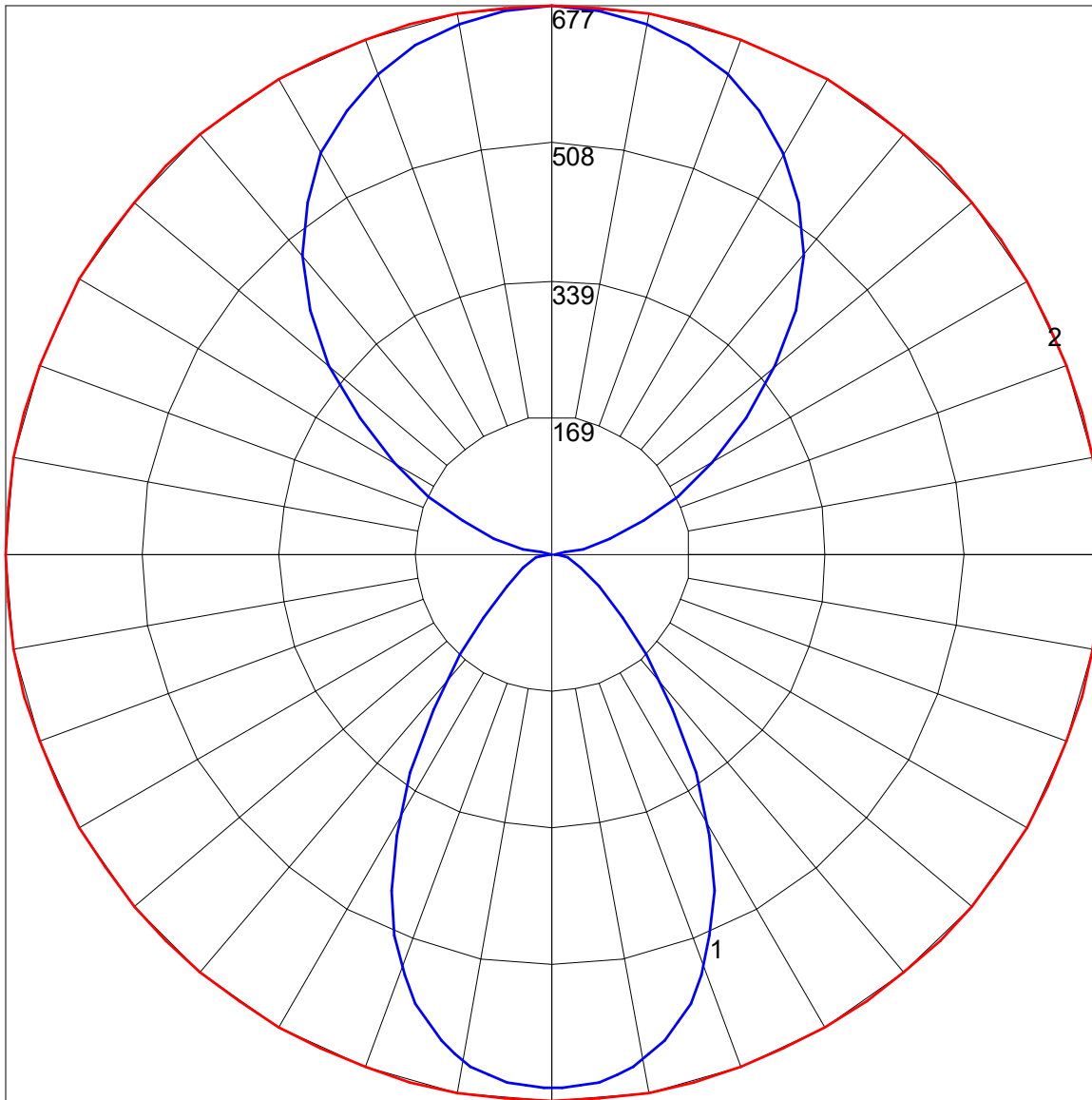
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	45	45	45	37
1	95	91	88	85	87	83	80	77	68	65	64	53	52	51	40	39	39	33
2	87	81	75	70	79	73	69	65	60	57	54	48	45	43	36	35	34	28
3	80	71	65	59	73	65	59	55	54	49	46	43	40	38	33	31	29	25
4	74	64	56	51	67	58	52	47	48	43	40	39	35	33	30	28	26	22
5	68	57	50	44	62	52	46	41	43	39	35	35	32	29	27	25	23	20
6	63	52	44	39	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	25	27	23	21	21	19	17	15
9	51	39	32	27	46	36	30	25	30	26	22	25	21	19	20	17	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	14	12

POLAR GRAPH



Maximum Candela = 677 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.)