

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric, up | 80° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	75	77	79	82
Total Lumens, 4' rail length (1219mm)	2295	2368	2416	2464
Lumens per foot (305mm)	574	592	604	616
Lumens per foot UP (305mm)	347	358	366	373
Lumens per foot DOWN (305mm)	226	234	238	243
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_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805811 (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-U1S7-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens up/80° 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	2416
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
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	2742	3367	3148
55	1277	1926	1805
65	578	985	1025
75	289	495	615
85	97	184	293

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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	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
1.0	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
3.0	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5
5.0	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5
7.0	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5	546.5
9.0	542.5	542.5	542.0	542.5	542.0	542.0	542.0	542.0	542.0	542.0
11.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0	537.0
13.0	531.0	531.0	530.5	530.5	530.5	530.5	530.5	530.5	530.5	530.5
15.0	523.5	523.5	523.5	523.5	523.5	523.0	523.0	523.0	523.0	522.5
17.0	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.5	514.0	514.0
19.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.5	501.0	501.0
22.5	482.5	482.5	482.5	483.0	483.0	483.5	483.5	483.0	483.0	482.5
25.5	459.0	459.0	459.5	460.0	460.5	461.0	461.5	461.5	461.0	460.5
29.0	425.5	425.5	426.5	427.5	428.5	430.0	430.5	431.0	431.0	430.0
33.0	377.5	378.0	379.5	381.5	384.0	386.0	388.0	389.5	390.0	389.0
37.5	312.5	313.0	315.5	318.5	322.5	327.0	331.0	333.5	335.5	335.5
42.5	231.5	232.5	235.5	240.0	246.0	252.0	258.0	263.5	266.5	268.0
47.5	156.0	156.5	160.0	164.5	170.5	177.5	184.5	191.5	196.5	199.0
55.0	75.5	76.0	78.0	81.5	85.5	91.0	96.5	102.5	107.5	111.0
65.0	26.5	27.0	27.5	29.0	31.0	33.0	35.5	38.5	41.0	43.5
75.0	9.0	9.0	9.0	9.5	10.0	11.0	11.5	12.5	13.5	14.5
85.0	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.5
90.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95.0	12.0	12.5	12.5	12.5	12.5	12.5	13.0	13.0	13.0	13.0
100.0	31.5	32.0	32.0	32.0	32.5	33.0	33.5	34.0	35.0	35.5
105.0	57.0	57.0	57.5	58.0	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	96.0	98.0	100.0
115.0	128.5	128.5	129.0	130.0	131.5	133.0	135.5	137.5	140.0	142.5
120.0	174.5	174.5	175.5	176.5	178.5	180.5	182.5	185.5	188.5	191.5
125.0	227.0	227.5	228.0	229.5	231.5	233.5	236.0	239.0	242.5	245.5
130.0	284.0	284.0	285.0	286.5	288.0	290.5	293.0	296.0	299.0	302.0
135.0	342.0	342.5	343.0	344.0	346.0	348.0	350.0	352.5	355.0	357.5
140.0	397.5	397.5	398.0	399.0	400.0	401.5	403.5	405.0	407.0	408.5
145.0	446.0	446.0	446.5	447.0	448.0	449.0	450.0	451.0	452.5	453.5
150.0	487.0	487.0	487.0	487.5	488.0	488.5	489.5	490.0	491.0	491.5
155.0	520.0	520.0	520.0	520.5	520.5	521.0	521.5	522.0	522.5	523.0
160.0	546.0	546.5	546.5	546.5	546.5	547.0	547.0	547.5	548.0	548.0
165.0	566.5	566.5	566.5	566.5	566.5	567.0	567.0	567.5	567.5	568.0
170.0	581.0	581.0	581.0	581.0	581.5	581.5	581.5	581.5	582.0	582.0
175.0	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5	590.5
180.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0

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	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
1.0	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5	552.5
3.0	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5
5.0	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5	549.5
7.0	546.5	546.0	546.0	546.0	546.0	546.0	546.0	546.0	546.0
9.0	542.0	542.0	542.0	542.0	542.0	542.0	542.0	541.5	541.5
11.0	536.5	536.5	536.5	536.5	536.5	536.0	536.0	536.0	536.0
13.0	530.0	530.0	530.0	529.5	529.5	529.5	529.5	529.0	529.0
15.0	522.5	522.5	522.0	521.5	521.5	521.5	521.0	521.0	521.0

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CANDELA TABULATION - (Cont.)

17.0	513.5	513.0	512.5	512.5	512.0	511.5	511.5	511.0	511.5
19.5	500.5	499.5	499.0	498.5	498.0	497.5	497.0	496.5	496.5
22.5	481.5	480.5	479.5	478.5	477.5	477.0	476.5	476.0	475.5
25.5	459.0	458.0	456.5	455.0	453.5	452.5	451.5	451.0	450.5
29.0	428.5	427.0	425.0	422.5	420.5	418.5	417.5	416.5	416.0
33.0	387.5	385.0	382.0	379.0	376.0	373.0	371.0	370.0	369.5
37.5	333.5	330.5	327.0	322.5	318.5	315.0	312.0	310.5	310.0
42.5	267.0	264.0	259.5	254.5	250.0	245.5	242.5	240.5	240.0
47.5	199.0	197.0	193.0	188.5	183.5	179.5	176.0	174.5	174.0
55.0	112.5	112.0	110.0	107.0	103.5	100.5	98.5	97.0	96.5
65.0	44.5	45.0	45.0	44.0	43.0	42.0	41.0	40.5	40.5
75.0	15.0	15.5	16.0	15.5	15.5	15.5	15.0	15.0	15.0
85.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95.0	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
100.0	36.0	36.5	37.5	37.5	38.0	38.5	38.5	38.5	38.0
105.0	65.5	66.5	68.0	69.0	69.5	70.0	70.5	70.5	70.5
110.0	102.0	104.0	105.5	107.0	108.0	109.0	109.5	109.5	109.5
115.0	145.0	147.5	149.5	151.5	153.0	154.0	154.5	155.0	155.0
120.0	194.5	197.5	200.0	202.0	203.5	204.5	205.5	206.0	206.0
125.0	249.0	252.0	254.5	256.5	258.0	259.0	260.0	260.5	261.0
130.0	305.0	308.0	310.0	312.0	313.5	315.0	315.5	316.5	316.5
135.0	359.5	362.0	364.0	365.5	367.0	368.0	369.0	370.0	370.0
140.0	410.5	412.0	413.5	414.5	416.0	417.0	418.0	418.5	419.0
145.0	454.5	456.0	457.0	458.0	459.0	460.0	460.5	461.5	461.5
150.0	492.5	493.5	494.0	495.0	495.5	496.5	497.5	498.0	498.0
155.0	523.5	524.0	525.0	525.5	526.0	527.0	527.5	528.0	528.0
160.0	548.5	549.0	549.5	550.5	551.0	551.5	551.5	552.0	552.0
165.0	568.0	568.5	569.0	569.5	569.5	570.0	570.5	570.5	570.5
170.0	582.0	582.5	582.5	583.0	583.0	583.0	583.5	583.5	583.5
175.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0	591.0
180.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	189.93	N.A.	7.90
0-30	388.07	N.A.	16.10
0-40	579.42	N.A.	24.00
0-60	853.56	N.A.	35.30
0-80	944.17	N.A.	39.10
0-90	953.10	N.A.	39.50
10-90	910.76	N.A.	37.70
20-40	389.49	N.A.	16.10
20-50	574.37	N.A.	23.80
40-70	338.45	N.A.	14.00
60-80	90.61	N.A.	3.80
70-80	26.30	N.A.	1.10
80-90	8.93	N.A.	0.40
90-110	86.25	N.A.	3.60
90-120	228.50	N.A.	9.50
90-130	447.92	N.A.	18.50
90-150	1005.46	N.A.	41.60
90-180	1462.8	N.A.	60.50
110-180	1376.54	N.A.	57.00
0-180	2415.9	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.34
10-20	147.58
20-30	198.14
30-40	191.35
40-50	184.88
50-60	89.26
60-70	64.31
70-80	26.30
80-90	8.93
90-100	16.86
100-110	69.39
110-120	142.25
120-130	219.42
130-140	274.53
140-150	283.01
150-160	240.94
160-170	160.28
170-180	56.12

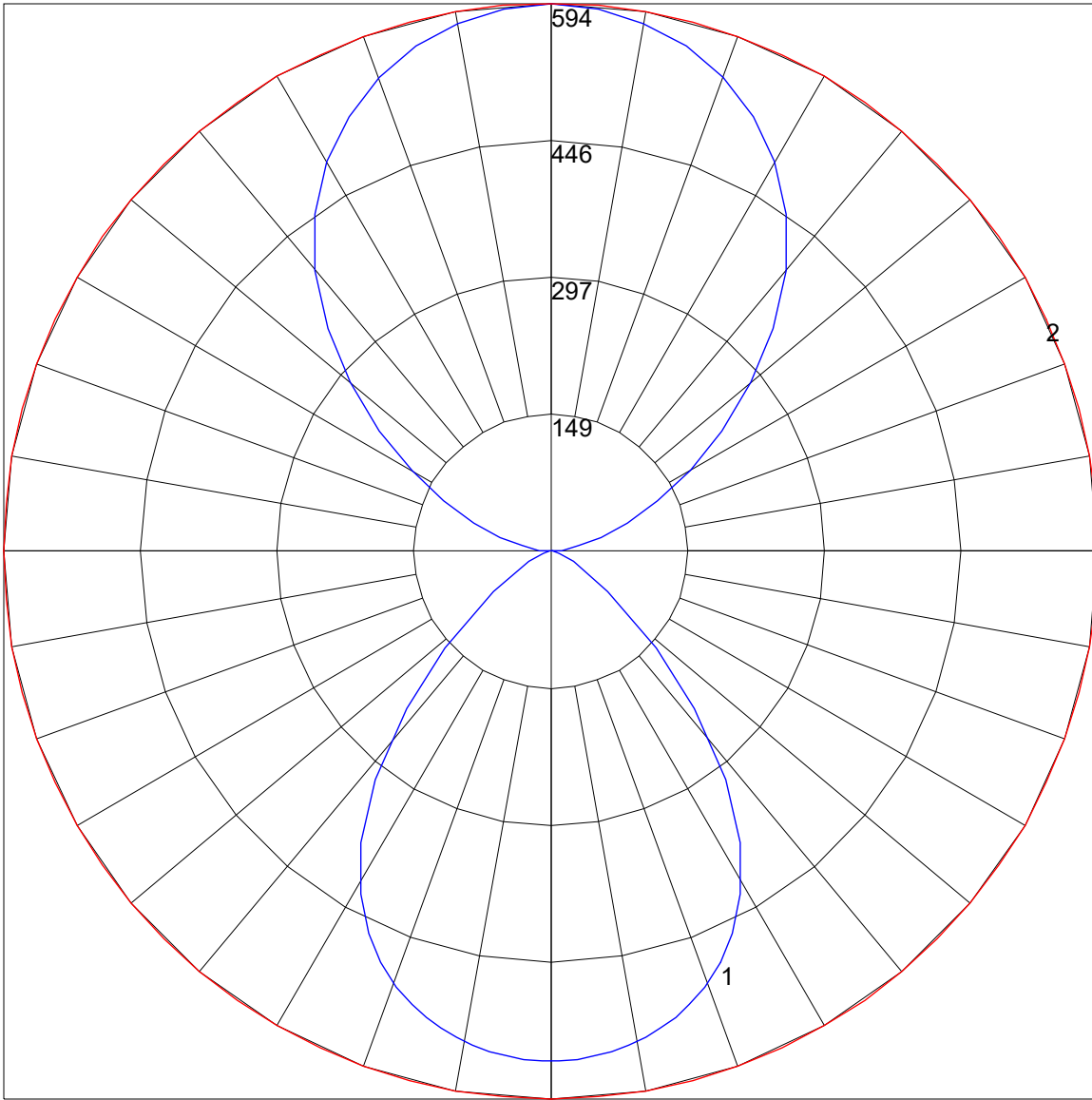
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	89	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	76	71	80	74	70	66	61	58	55	49	47	45	38	37	35	30
3	81	72	65	60	74	66	60	56	55	51	47	44	41	39	34	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	31	29	27	24
5	69	58	50	45	62	53	47	42	44	39	36	36	33	30	29	26	24	21
6	63	52	44	39	58	48	41	36	40	35	32	33	29	27	26	24	22	19
7	59	47	40	34	53	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

POLAR GRAPH



Maximum Candela = 594 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.)