

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U1S1-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	63	65	67	70
Total Lumens, 4' rail length (1219mm)	1939	2000	2041	2081
Lumens per foot (305mm)	485	500	510	520
Lumens per foot UP (305mm)	354	365	373	380
Lumens per foot DOWN (305mm)	131	135	138	140
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.



IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_CC_LO_359_U1S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L031805807R01 (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-U1S1-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens up/40° 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	2041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
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	290	786	3156
55	127	312	1553
65	76	159	721
75	48	102	389
85	32	37	176

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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	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5
1.0	550.5	550.5	551.0	551.0	551.0	551.0	551.0	551.0	551.0	551.0
3.0	545.5	545.5	546.0	546.0	546.5	546.5	547.0	547.0	547.5	548.0
5.0	535.0	535.0	535.5	536.0	536.5	537.5	538.5	539.5	541.0	542.0
7.0	518.5	519.0	519.5	520.5	521.5	523.5	525.5	527.5	530.0	532.5
9.0	496.5	496.5	497.5	499.5	502.0	505.0	508.0	512.0	516.0	520.0
11.0	468.5	469.0	470.5	473.0	477.0	481.0	486.0	491.5	497.5	503.5
13.0	434.5	435.5	437.5	441.0	446.0	452.0	459.0	466.5	475.0	483.5
15.0	397.5	398.5	401.5	405.5	412.0	420.0	428.5	438.5	449.5	460.5
17.0	356.0	357.5	360.5	366.0	373.5	383.0	394.0	406.5	420.0	434.0
19.5	303.0	304.5	308.0	314.5	323.5	334.5	347.5	363.0	380.0	397.5
22.5	240.0	241.5	245.5	252.5	262.5	274.5	290.0	307.5	327.0	348.5
25.5	182.0	183.5	187.5	194.5	204.5	217.0	232.5	251.5	273.0	296.5
29.0	126.5	128.0	131.5	137.5	146.0	157.5	172.5	190.5	211.5	236.5
33.0	80.5	81.5	84.0	88.5	95.5	104.5	116.5	132.0	151.0	173.0
37.5	47.0	47.5	49.5	52.5	57.0	63.5	71.5	82.5	97.0	114.5
42.5	26.0	26.5	27.5	29.0	32.0	35.5	41.0	48.0	57.0	69.0
47.5	15.0	15.0	15.5	16.5	18.0	20.5	23.5	28.0	33.0	40.0
55.0	7.5	7.5	7.5	8.0	9.0	9.5	11.0	12.5	15.0	18.0
65.0	3.5	3.5	3.5	3.5	4.0	4.5	5.0	5.5	6.0	7.0
75.0	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.5	2.5	3.0
85.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
95.0	12.0	12.0	12.5	12.5	12.5	12.5	12.5	13.0	13.0	13.5
100.0	32.5	32.5	32.5	33.0	33.0	33.5	34.0	35.0	35.5	36.0
105.0	58.5	58.5	58.5	59.0	60.0	60.5	61.5	63.0	64.0	65.5
110.0	91.0	91.5	92.0	92.5	93.5	95.0	96.5	98.0	100.0	102.0
115.0	131.5	131.5	132.0	133.0	134.5	136.0	138.0	140.0	142.5	145.0
120.0	178.5	178.5	179.0	180.5	182.0	184.0	186.0	189.0	191.5	194.5
125.0	231.5	232.0	232.5	234.0	235.5	238.0	240.5	243.0	246.5	249.5
130.0	289.0	289.0	290.0	291.5	293.0	295.5	298.0	300.5	304.0	307.0
135.0	347.5	347.5	348.5	349.5	351.5	353.5	355.5	358.0	361.0	363.5
140.0	403.5	404.0	404.5	405.5	407.0	408.5	410.0	412.0	414.0	416.0
145.0	453.5	454.0	454.5	455.0	456.0	457.0	458.0	459.5	460.5	462.0
150.0	496.0	496.0	496.0	496.5	497.0	497.5	498.5	499.0	500.0	500.5
155.0	529.5	529.5	529.5	530.0	530.0	530.5	531.0	531.5	532.0	532.5
160.0	556.0	556.0	556.0	556.5	556.5	556.5	557.0	557.5	557.5	558.0
165.0	576.5	576.5	576.5	576.5	577.0	577.0	577.5	577.5	578.0	578.5
170.0	592.0	591.5	592.0	592.0	592.0	592.0	592.5	592.5	593.0	593.0
175.0	601.5	601.5	601.5	601.5	602.0	602.0	602.0	602.0	602.0	602.0
180.0	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5

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	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5	551.5
1.0	551.0	551.0	551.0	551.0	551.5	551.5	551.5	551.5	551.0
3.0	548.5	549.0	549.5	549.5	550.0	550.5	550.5	550.5	550.5
5.0	543.0	544.5	545.5	546.5	547.5	548.0	548.5	548.5	548.5
7.0	535.0	537.0	539.0	541.5	543.0	544.5	545.0	546.0	546.0
9.0	524.0	528.0	531.5	534.5	537.5	539.5	541.0	542.0	542.5
11.0	510.0	515.5	521.0	526.0	530.0	533.5	536.0	537.0	538.0
13.0	492.0	500.5	508.0	515.0	521.0	525.5	529.0	531.0	531.5
15.0	472.0	483.0	493.0	502.5	510.5	516.5	521.0	524.0	524.5

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CANDELA TABULATION - (Cont.)

17.0	449.0	462.5	475.5	487.5	497.5	505.5	511.5	515.0	516.5
19.5	415.5	433.5	450.0	466.0	479.0	489.5	497.5	502.0	503.5
22.5	371.0	393.5	414.5	435.5	452.5	466.5	477.0	483.0	485.0
25.5	322.5	348.5	374.5	399.5	420.5	438.5	451.5	459.0	461.0
29.0	264.0	293.5	323.5	352.5	378.5	399.5	415.5	425.5	429.0
33.0	200.0	230.0	261.0	293.0	323.0	349.0	367.5	379.5	383.5
37.5	136.5	163.0	192.5	223.5	255.5	283.5	304.5	317.5	321.5
42.5	84.0	104.0	126.5	154.0	181.5	204.5	228.0	241.0	245.5
47.5	50.0	63.5	78.0	97.5	117.5	137.5	154.0	165.5	169.5
55.0	22.5	28.0	35.5	44.5	55.0	65.0	74.5	81.0	83.0
65.0	8.5	10.5	13.0	15.5	19.0	22.5	25.5	27.5	28.5
75.0	3.5	4.0	5.0	5.5	6.5	7.5	8.5	9.0	9.5
85.0	0.5	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5
90.0	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
95.0	13.5	13.5	13.5	14.0	14.0	14.0	14.0	13.5	13.5
100.0	36.5	37.5	38.0	38.5	39.0	39.0	39.5	39.5	39.5
105.0	66.5	68.0	69.0	70.0	71.0	72.0	72.0	72.5	72.5
110.0	104.0	105.5	107.5	109.0	110.5	111.5	112.0	112.5	112.5
115.0	147.5	150.0	152.5	154.5	156.0	157.5	158.5	159.0	159.5
120.0	197.5	200.5	203.5	205.5	207.5	209.0	210.0	211.0	211.5
125.0	253.0	256.0	258.5	261.0	263.0	264.5	266.0	267.0	267.5
130.0	310.0	313.0	315.5	317.5	319.5	321.0	322.5	323.5	324.0
135.0	366.0	368.5	370.5	372.0	374.0	375.5	377.0	378.0	378.5
140.0	417.5	419.5	421.0	422.5	424.0	425.0	426.5	427.5	428.0
145.0	463.0	464.0	465.5	466.5	467.5	469.0	470.0	471.0	471.5
150.0	501.5	502.5	503.0	504.5	505.5	506.5	507.5	508.0	508.5
155.0	533.0	534.0	534.5	535.5	536.5	537.0	538.0	538.5	539.0
160.0	559.0	559.5	560.0	560.5	561.5	562.0	563.0	563.0	563.0
165.0	579.0	579.5	580.0	580.5	581.0	581.0	581.5	582.0	582.0
170.0	593.5	593.5	594.0	594.0	594.5	594.5	595.0	595.0	595.0
175.0	602.0	602.5	602.5	602.5	602.5	602.5	602.5	603.0	602.5
180.0	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	171.44	N.A.	8.40
0-30	310.43	N.A.	15.20
0-40	412.81	N.A.	20.20
0-60	519.79	N.A.	25.50
0-80	547.37	N.A.	26.80
0-90	550.31	N.A.	27.00
10-90	508.86	N.A.	24.90
20-40	241.37	N.A.	11.80
20-50	317.82	N.A.	15.60
40-70	126.73	N.A.	6.20
60-80	27.57	N.A.	1.40
70-80	7.82	N.A.	0.40
80-90	2.94	N.A.	0.10
90-110	87.94	N.A.	4.30
90-120	233.15	N.A.	11.40
90-130	456.70	N.A.	22.40
90-150	1024.38	N.A.	50.20
90-180	1490.32	N.A.	73.00
110-180	1402.37	N.A.	68.70
0-180	2040.62	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.44
10-20	130.00
20-30	138.99
30-40	102.38
40-50	76.44
50-60	30.54
60-70	19.75
70-80	7.82
80-90	2.94
90-100	17.06
100-110	70.88
110-120	145.21
120-130	223.55
130-140	279.43
140-150	288.26
150-160	245.45
160-170	163.29
170-180	57.20

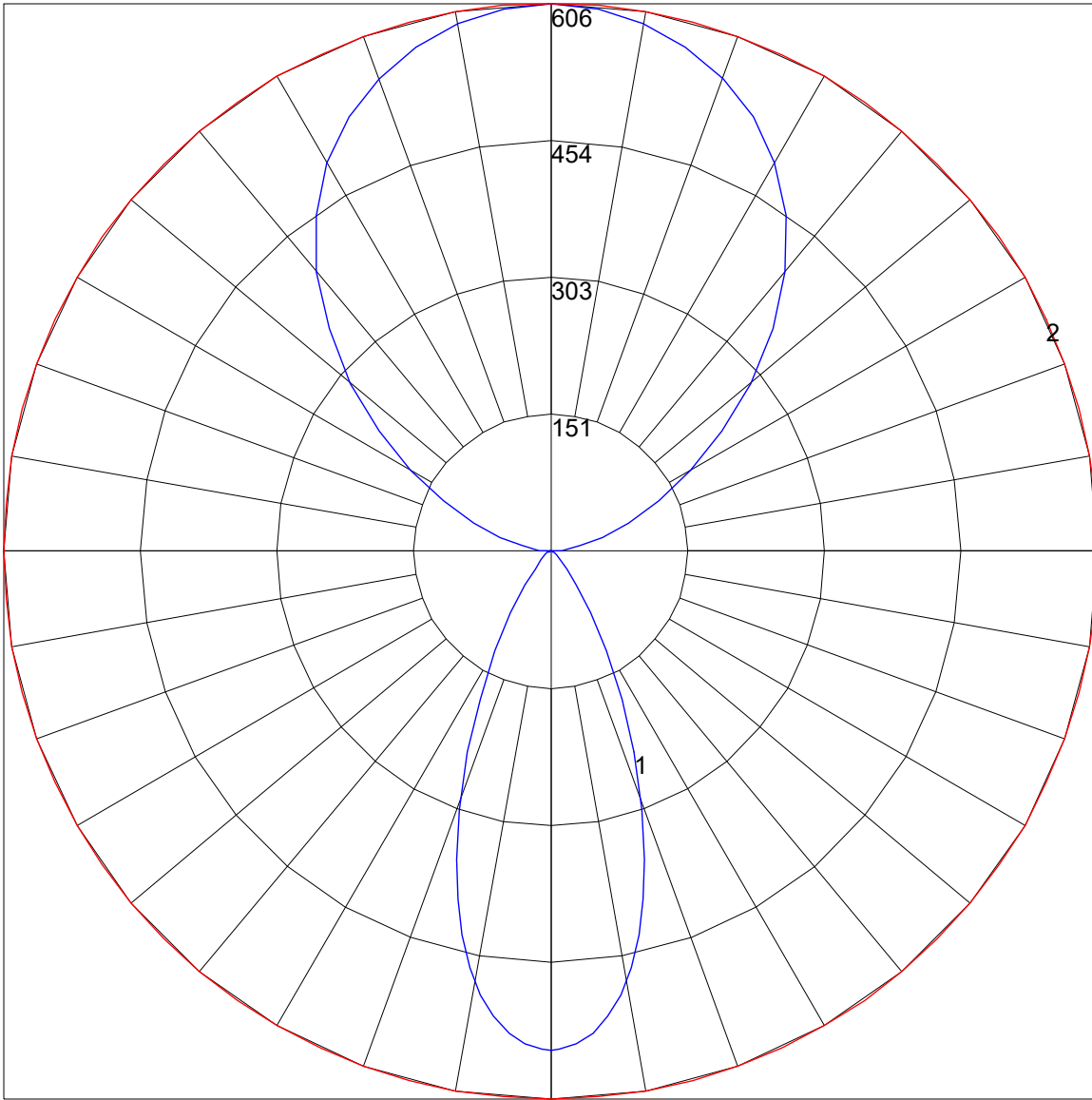
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27	0
1	93	90	86	83	83	80	78	75	63	61	59	47	46	45	32	32	31	24	0
2	86	79	74	70	77	71	67	63	56	53	51	42	41	39	30	29	28	22	0
3	79	71	64	59	71	64	58	54	51	47	44	38	36	34	27	26	25	20	0
4	73	63	56	51	65	57	51	47	46	42	38	35	32	30	25	24	22	18	0
5	67	57	50	44	60	51	45	41	41	37	34	32	29	27	23	22	20	17	0
6	62	51	44	39	56	47	40	36	38	33	30	29	26	24	21	20	18	15	0
7	58	47	40	34	52	42	36	32	34	30	27	27	24	22	20	18	17	14	0
8	54	43	36	31	48	39	33	29	32	27	24	25	22	20	19	17	16	13	0
9	50	39	32	28	45	36	30	26	29	25	22	23	20	18	17	16	14	12	0
10	47	36	29	25	42	33	27	23	27	23	20	22	19	17	16	15	13	11	0

POLAR GRAPH



Maximum Candela = 605.5 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.)