

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	77	79	81	84
Total Lumens, 4' rail length (1219mm)	2355	2429	2479	2529
Lumens per foot (305mm)	589	607	620	632
Lumens per foot UP (305mm)	364	375	383	390
Lumens per foot DOWN (305mm)	225	232	237	242
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_U2S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L031805812 (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-U2S7-BL
 [LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
 [MORE] symmetric lens with edgeglow 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	2479
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
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	3370	3083
55	1277	1909	1731
65	578	951	961
75	273	477	574
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	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0
1.0	549.5	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0
3.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
5.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0
7.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0
9.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	540.0	539.5
11.0	535.0	535.0	535.0	535.0	535.0	535.0	535.0	534.5	535.0	534.5
13.0	528.5	529.0	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5
15.0	521.5	521.5	521.5	521.5	521.5	521.5	521.5	521.0	521.0	521.0
17.0	513.0	513.0	513.0	513.0	513.0	513.0	513.0	512.5	512.5	512.5
19.5	500.0	500.0	500.0	500.0	500.0	500.5	500.5	500.5	500.0	499.5
22.5	480.5	481.0	481.0	481.5	482.0	482.0	482.0	482.0	482.0	481.5
25.5	457.0	457.5	457.5	458.5	459.0	460.0	460.5	460.5	460.5	460.0
29.0	423.0	423.5	424.5	425.5	427.0	428.5	429.5	430.5	430.5	430.0
33.0	375.5	376.0	377.0	379.5	382.5	385.0	387.5	389.0	389.5	389.5
37.5	310.5	311.0	313.5	317.0	321.0	326.0	330.0	333.5	335.5	335.5
42.5	231.0	232.0	235.0	239.5	245.5	252.0	258.0	263.0	267.0	268.5
47.5	156.5	157.5	160.5	165.0	171.0	178.0	185.0	191.5	196.5	199.0
55.0	75.5	76.0	78.0	81.5	85.5	91.0	96.5	102.0	107.0	110.0
65.0	26.5	26.5	27.5	28.5	30.0	32.5	35.0	37.5	40.0	42.0
75.0	8.5	9.0	9.0	9.5	10.0	10.5	11.5	12.0	13.0	14.0
85.0	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.5
90.0	6.5	6.5	6.0	6.0	6.0	5.5	5.0	4.5	4.0	3.5
95.0	19.0	19.0	19.0	19.0	18.5	18.5	18.0	18.0	17.5	17.0
100.0	39.5	39.5	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.5
105.0	66.0	66.0	66.5	66.5	67.0	67.5	68.0	69.0	69.5	70.5
110.0	99.5	99.5	100.0	100.5	101.5	102.5	103.5	105.0	106.5	108.0
115.0	140.5	141.0	141.5	142.0	143.5	144.5	146.5	148.0	150.5	152.5
120.0	189.0	189.5	190.0	191.0	192.5	194.0	196.0	198.5	201.0	204.0
125.0	244.0	244.5	245.0	246.5	248.0	250.0	252.0	254.5	257.5	260.0
130.0	303.0	303.0	304.0	305.0	306.5	308.5	311.0	313.5	316.0	318.5
135.0	362.0	362.5	363.0	364.0	365.5	367.0	369.0	371.0	373.5	375.5
140.0	418.0	418.0	418.5	419.0	420.0	421.5	422.5	424.0	425.0	426.5
145.0	465.5	465.5	466.0	466.5	467.0	467.5	468.0	469.0	469.5	470.5
150.0	504.5	504.5	505.0	505.0	505.5	505.5	506.0	506.0	506.5	507.0
155.0	535.5	535.5	535.5	535.5	535.5	536.0	536.0	536.5	537.0	537.0
160.0	560.0	560.0	560.0	560.0	560.5	560.5	560.5	561.0	561.0	561.5
165.0	579.0	579.0	579.0	579.0	579.0	579.0	579.5	579.5	579.5	579.5
170.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0
175.0	599.0	599.0	599.0	599.0	599.0	599.0	599.0	599.5	599.0	599.0
180.0	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5

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	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0
1.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	550.0	549.5
3.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
5.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0	547.0
7.0	544.0	544.0	543.5	543.5	543.5	543.5	543.5	543.5	543.5
9.0	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5	539.5
11.0	534.5	534.5	534.0	534.0	534.0	534.0	534.0	534.0	533.5
13.0	528.0	528.0	528.0	527.5	527.5	527.5	527.5	527.0	527.0
15.0	520.5	520.0	520.0	519.5	519.5	519.0	519.0	519.0	519.0

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CANDELA TABULATION - (Cont.)

17.0	511.5	511.5	511.0	510.5	510.0	509.5	509.0	509.0	509.0
19.5	499.0	498.5	497.5	497.0	496.5	495.5	495.5	495.0	495.0
22.5	480.5	479.5	478.5	477.5	476.0	475.5	474.5	474.0	474.0
25.5	459.0	457.5	455.5	454.0	452.0	451.0	449.5	449.0	449.0
29.0	428.5	426.5	424.0	421.5	419.0	417.0	415.5	414.5	414.0
33.0	387.5	385.0	381.5	378.0	374.5	371.0	369.0	367.5	367.0
37.5	334.0	330.5	326.5	321.5	316.5	312.5	309.5	307.5	306.5
42.5	267.0	263.5	259.0	253.0	247.5	243.0	239.0	236.5	236.0
47.5	199.0	196.0	191.5	186.0	181.0	176.0	172.5	170.0	169.5
55.0	111.0	110.0	107.5	104.0	100.5	97.0	94.5	93.0	92.5
65.0	43.0	43.0	43.0	42.0	41.0	39.5	38.5	38.0	38.0
75.0	14.5	15.0	15.0	15.0	14.5	14.5	14.5	14.0	14.0
85.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
90.0	3.0	2.5	2.5	2.0	1.5	1.0	1.0	0.5	0.5
95.0	16.5	16.5	16.0	15.5	15.5	15.0	14.5	14.5	14.0
100.0	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.0
105.0	71.0	72.0	72.5	73.5	73.5	74.0	74.0	74.0	74.0
110.0	109.5	111.0	112.0	113.0	114.0	114.5	115.0	115.0	115.0
115.0	154.5	156.5	158.5	160.0	161.5	162.0	162.5	163.0	163.0
120.0	206.5	209.0	211.0	213.0	214.5	215.5	216.0	216.5	216.5
125.0	263.0	265.5	268.0	269.5	271.0	272.5	273.0	273.5	274.0
130.0	321.5	323.5	325.5	327.0	328.5	329.5	330.0	330.5	331.0
135.0	377.0	379.0	380.0	381.5	382.5	383.5	384.0	384.0	384.5
140.0	427.5	428.5	429.5	430.5	431.0	431.5	432.0	432.5	432.5
145.0	471.0	471.5	472.5	473.0	473.5	473.5	474.0	474.0	474.0
150.0	507.5	508.0	508.5	509.0	509.0	509.0	509.5	509.5	509.5
155.0	537.5	538.0	538.0	538.5	538.5	538.5	538.5	538.5	538.5
160.0	561.5	561.5	561.5	561.5	561.5	561.5	562.0	562.0	562.0
165.0	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5	579.5
170.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0	592.0
175.0	599.0	599.5	599.0	599.0	599.5	599.5	599.5	599.5	599.5
180.0	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5	601.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	189.21	N.A.	7.60
0-30	386.80	N.A.	15.60
0-40	577.52	N.A.	23.30
0-60	850.06	N.A.	34.30
0-80	938.34	N.A.	37.90
0-90	947.87	N.A.	38.20
10-90	905.72	N.A.	36.50
20-40	388.31	N.A.	15.70
20-50	572.40	N.A.	23.10
40-70	335.47	N.A.	13.50
60-80	88.28	N.A.	3.60
70-80	25.34	N.A.	1.00
80-90	9.54	N.A.	0.40
90-110	97.23	N.A.	3.90
90-120	249.50	N.A.	10.10
90-130	482.05	N.A.	19.40
90-150	1063.36	N.A.	42.90
90-180	1531.11	N.A.	61.80
110-180	1433.88	N.A.	57.80
0-180	2478.98	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	42.16
10-20	147.05
20-30	197.59
30-40	190.72
40-50	184.08
50-60	88.45
60-70	62.94
70-80	25.34
80-90	9.54
90-100	21.15
100-110	76.08
110-120	152.27
120-130	232.56
130-140	287.93
140-150	293.37
150-160	247.32
160-170	163.47
170-180	56.97

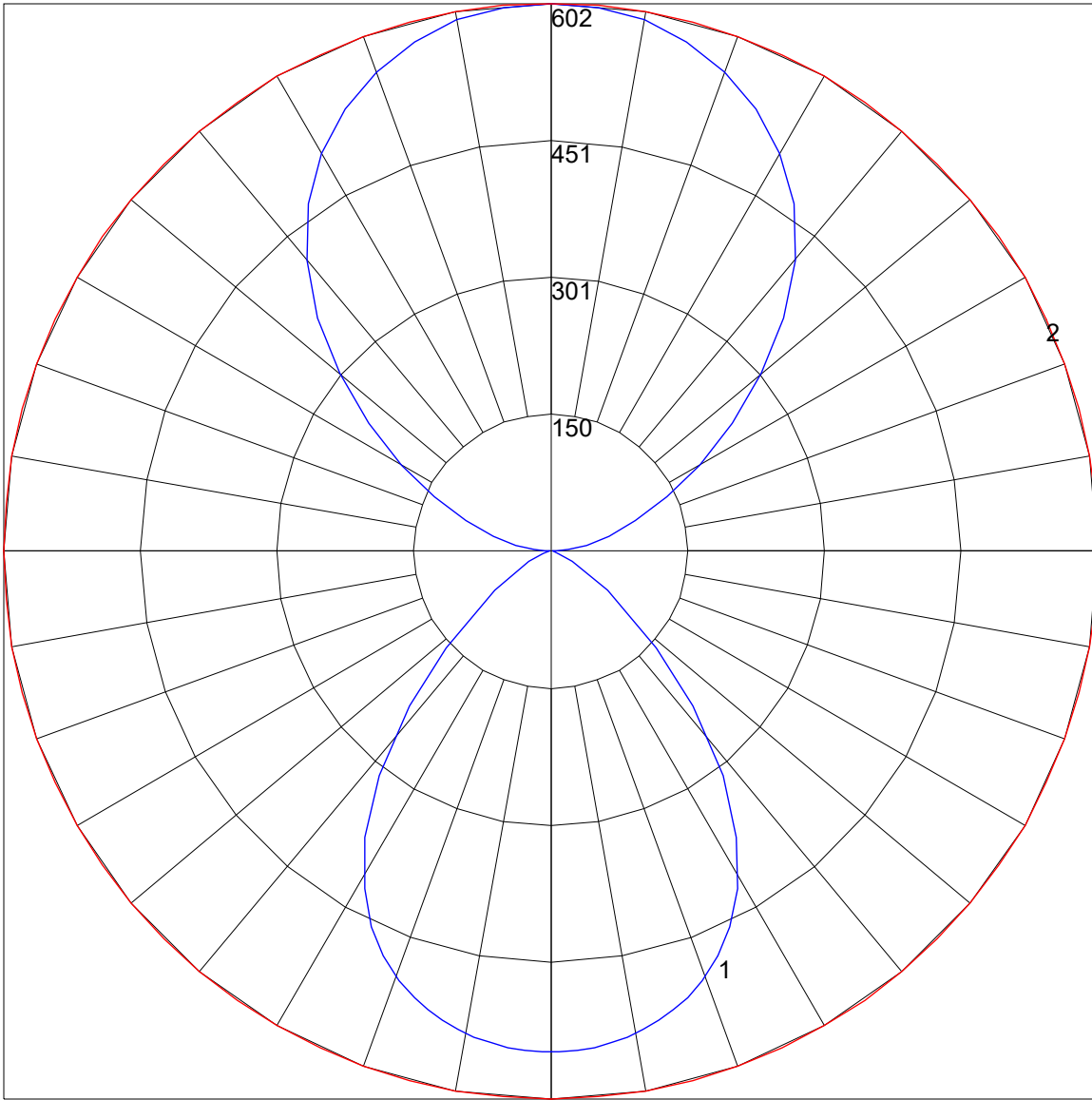
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	92	88	85	87	84	81	78	68	66	64	54	53	52	41	40	40	34
2	88	81	76	71	80	74	69	65	61	57	55	48	46	44	37	36	35	29
3	81	72	65	60	73	66	60	55	54	50	47	44	41	38	34	32	30	26
4	74	64	57	51	67	59	52	48	49	44	40	39	36	34	31	28	27	23
5	68	57	50	44	62	53	46	41	44	39	35	36	32	30	28	26	24	20
6	63	52	44	39	57	48	41	36	40	35	31	32	29	26	26	23	21	18
7	58	47	39	34	53	43	37	32	36	31	28	30	26	23	24	21	19	17
8	54	43	35	30	49	39	33	29	33	28	25	27	24	21	22	19	17	15
9	51	39	32	27	46	36	30	26	30	26	22	25	22	19	20	18	16	14
10	47	36	29	24	43	33	27	23	28	23	20	23	20	17	19	16	15	13

POLAR GRAPH



Maximum Candela = 601.5 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.)