

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | Soft Diffuse, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2D2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	85	88	89	91
Total Lumens, 4' rail length (1219mm)	2603	2685	2740	2794
Lumens per foot (305mm)	651	671	685	699
Lumens per foot UP (305mm)	1468	1514	1545	1576
Lumens per foot DOWN (305mm)	1135	1171	1194	1218
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-U2D2-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L081800704 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 8/15/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-CC-Z-LO-359-U2D2-BL
[LUMINAIRE] ZipThree Suspended, 48", 3500K, 90 CRI, zipper board,
[MORE] symmetric lens with edgeglow up/soft diffuse 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	2740
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	30.82
Ballast Factor	1.00
CIE Type	General Diffuse
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)	4.00 ft
Luminous Height	0.02 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3880	3938	4131
55	3626	3704	3965
65	3291	3370	3701
75	2752	2851	3243
85	1676	1792	2509

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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	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5
5	415.0	414.5	415.0	414.5	415.0	415.0	415.0	414.5	415.0	414.5
10	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0
15	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5	399.5
20	386.5	386.5	386.5	386.5	386.5	386.5	386.5	386.5	386.0	386.0
25	370.0	370.0	370.0	370.0	370.0	370.0	370.0	369.5	369.5	369.5
30	350.5	350.5	350.5	350.5	350.0	350.0	350.0	350.0	349.5	349.5
35	328.0	328.0	328.0	328.0	328.0	327.5	327.5	327.5	327.0	327.0
40	303.0	303.0	303.0	303.0	302.5	302.5	302.5	302.0	302.0	302.0
45	275.5	275.5	275.5	275.5	275.5	275.0	275.0	275.0	274.5	274.5
50	246.5	246.5	246.5	246.5	246.0	246.0	246.0	245.5	245.5	245.0
55	215.5	216.0	215.5	215.5	215.5	215.5	215.0	215.0	214.5	214.5
60	184.0	184.0	183.5	183.5	183.5	183.5	183.0	182.5	182.5	182.0
65	151.5	151.5	151.0	151.0	151.0	150.5	150.5	150.0	150.0	149.5
70	118.5	118.5	118.5	118.0	118.0	118.0	117.5	117.0	116.5	116.5
75	86.0	86.0	86.0	86.0	85.5	85.5	85.0	84.5	84.5	84.0
80	55.0	55.0	55.0	54.5	54.5	54.5	54.0	53.5	53.0	52.5
85	26.0	26.0	26.0	26.0	26.0	25.5	25.5	25.5	25.0	24.5
90	6.5	6.0	6.0	6.0	5.5	5.5	5.0	4.5	4.0	3.5
95	19.5	19.5	19.5	19.5	19.0	19.0	18.5	18.5	18.0	17.5
100	40.0	40.0	40.0	40.0	40.0	40.5	40.5	40.5	41.0	41.0
105	66.0	66.5	66.5	67.0	67.5	68.0	68.5	69.5	70.5	71.0
110	100.0	100.0	100.5	101.0	102.0	103.0	104.5	106.0	107.5	109.0
115	141.5	142.0	142.5	143.5	144.5	146.0	148.0	150.0	152.0	154.5
120	191.0	191.0	192.0	193.0	194.5	196.5	198.5	201.0	204.0	206.5
125	247.0	247.0	248.0	249.5	251.0	253.0	255.5	258.0	261.0	264.0
130	307.0	307.0	308.0	309.0	311.0	313.0	315.5	318.0	320.5	323.0
135	367.0	367.0	368.0	369.0	370.5	372.0	374.0	376.0	378.0	380.0
140	422.5	423.0	423.5	424.0	425.0	426.0	427.0	428.0	429.5	430.5
145	469.5	470.0	470.0	470.5	471.0	471.5	472.0	472.5	473.0	473.5
150	508.0	508.0	508.0	508.5	508.5	508.5	509.0	509.0	509.5	510.0
155	538.0	538.0	538.0	538.5	538.5	538.5	538.5	539.0	539.5	540.0
160	562.5	562.5	562.5	562.5	562.5	563.0	563.0	563.5	563.5	563.5
165	581.0	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5	581.5
170	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0
175	601.0	601.0	601.0	601.0	601.0	601.0	601.0	601.0	601.0	601.0
180	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5

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	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5	416.5
5	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.5	414.5
10	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0	408.5
15	399.5	399.5	399.5	399.5	399.0	399.0	399.0	399.0	399.0
20	386.0	386.0	386.0	386.0	385.5	385.5	385.5	385.5	385.5
25	369.5	369.0	369.0	369.0	369.0	369.0	369.0	369.0	368.5
30	349.5	349.0	349.0	349.0	349.0	348.5	348.5	348.5	348.5
35	327.0	326.5	326.5	326.5	326.5	326.0	326.0	326.0	326.0
40	301.5	301.5	301.0	301.0	301.0	300.5	300.5	300.5	300.5
45	274.0	274.0	274.0	273.5	273.5	273.0	273.0	273.0	273.0
50	245.0	244.5	244.5	244.5	244.0	244.0	244.0	244.0	244.0
55	214.0	213.5	213.5	213.5	213.0	213.0	213.0	213.0	213.0
60	182.0	181.5	181.0	181.0	181.0	180.5	180.5	180.5	180.5

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CANDELA TABULATION - (Cont.)

65	149.0	148.5	148.0	148.0	147.5	147.5	147.0	147.0	147.0
70	116.0	115.5	115.0	114.5	114.0	113.5	113.0	113.0	113.0
75	83.5	82.5	82.0	81.5	81.0	80.5	80.0	79.5	79.5
80	52.0	51.5	51.0	50.5	49.5	49.0	48.5	48.0	48.0
85	24.5	24.0	23.5	23.0	22.5	22.0	22.0	21.5	21.5
90	3.0	2.5	2.0	2.0	1.5	1.0	1.0	0.5	0.5
95	17.5	17.0	16.5	16.5	16.0	15.5	15.5	15.0	15.0
100	41.0	41.5	41.5	41.5	41.5	41.5	41.5	41.0	41.0
105	72.0	73.0	74.0	74.5	75.0	75.0	75.0	75.0	75.0
110	110.5	112.0	113.5	115.0	115.5	116.0	116.5	116.5	116.5
115	156.5	158.5	160.5	162.5	163.5	164.5	165.0	165.0	165.0
120	209.5	212.0	214.0	216.0	217.5	218.5	219.0	219.5	219.5
125	267.0	269.5	271.5	273.5	275.0	276.0	276.5	277.0	277.5
130	325.5	327.5	329.5	331.0	332.5	333.5	334.0	334.5	334.5
135	381.5	383.0	384.0	385.5	386.5	387.0	387.5	388.0	388.5
140	431.5	432.0	433.0	434.0	435.0	435.5	436.0	436.0	436.5
145	474.5	475.0	476.0	476.5	477.0	477.5	477.5	478.0	478.0
150	510.5	511.0	511.5	512.0	512.0	512.5	512.5	512.5	513.0
155	540.5	540.5	541.0	541.0	541.0	541.0	541.5	541.5	541.5
160	564.0	564.0	564.0	564.0	564.0	564.0	564.5	564.5	564.5
165	581.5	582.0	581.5	582.0	582.0	582.0	582.0	582.0	582.0
170	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0	594.0
175	601.0	601.0	601.0	601.0	601.0	601.0	601.0	601.0	601.0
180	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5	603.5

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	152.08	N.A.	5.60
0-30	322.31	N.A.	11.80
0-40	526.84	N.A.	19.20
0-60	930.04	N.A.	33.90
0-80	1166.14	N.A.	42.60
0-90	1194.5	N.A.	43.60
10-90	1155.1	N.A.	42.20
20-40	374.76	N.A.	13.70
20-50	586.41	N.A.	21.40
40-70	550.94	N.A.	20.10
60-80	236.10	N.A.	8.60
70-80	88.36	N.A.	3.20
80-90	28.35	N.A.	1.00
90-110	98.56	N.A.	3.60
90-120	252.61	N.A.	9.20
90-130	488.22	N.A.	17.80
90-150	1075.19	N.A.	39.20
90-180	1545.05	N.A.	56.40
110-180	1446.5	N.A.	52.80
0-180	2739.55	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.40
10-20	112.68
20-30	170.23
30-40	204.53
40-50	211.65
50-60	191.55
60-70	147.74
70-80	88.36
80-90	28.35
90-100	21.62
100-110	76.93
110-120	154.05
120-130	235.61
130-140	291.26
140-150	295.71
150-160	248.60
160-170	164.12
170-180	57.15

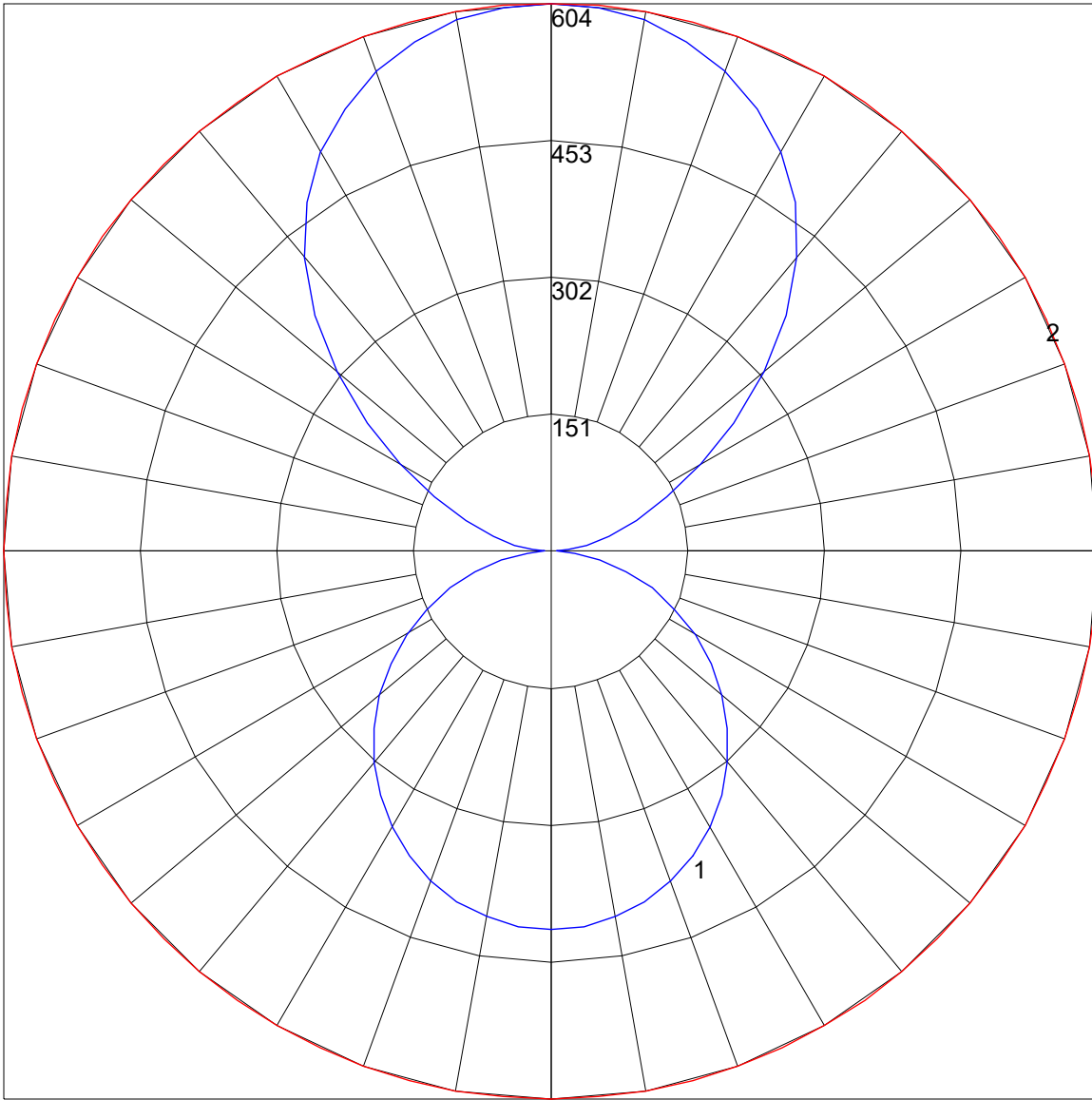
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42	36
2	87	80	74	68	80	73	68	63	61	57	53	49	46	44	38	37	35	30
3	80	70	63	57	72	64	58	53	53	49	45	43	40	37	34	32	30	25
4	73	62	54	48	66	57	50	44	47	42	38	38	35	32	30	28	25	21
5	67	55	47	41	61	51	43	38	42	37	33	34	30	27	27	24	22	19
6	61	49	41	35	56	45	38	33	38	32	28	31	27	24	25	22	19	16
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17	14
8	52	40	32	27	48	37	30	25	31	26	22	26	22	19	21	17	15	13
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14	11
10	46	33	26	22	42	31	25	20	26	21	18	22	18	15	18	15	12	10

POLAR GRAPH



Maximum Candela = 603.5 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.)