

IES Report

ZipThree® | Ceiling Cable | 707 | Symmetric with EdgeGlow, up | 60° Symmetric, down | 90 CRI | LO

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-359-U2S2-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	82	84	86	89
Total Lumens, 4' rail length (1219mm)	2420	2496	2547	2573
Lumens per foot (305mm)	605	624	637	643
Lumens per foot UP (305mm)	407	420	428	432
Lumens per foot DOWN (305mm)	198	204	209	211
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_U2S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911555 (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-U2S2-BL

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

[MORE] 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	2547
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
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	1245	2174	3067
55	531	1029	1691
65	274	514	912
75	156	281	552
85	95	143	338

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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	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0
1.0	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5
3.0	608.0	608.0	608.0	608.5	608.5	608.5	608.5	608.5	608.5	608.5
5.0	604.0	604.0	604.0	604.5	604.5	604.5	604.5	605.0	605.0	605.5
7.0	598.5	598.5	598.5	598.5	599.0	599.0	599.5	600.0	600.5	601.0
9.0	589.5	589.5	590.0	590.5	591.0	591.5	592.0	593.0	593.5	594.0
11.0	578.5	578.5	579.0	579.5	580.5	581.0	582.5	583.5	584.5	585.5
13.0	564.5	564.5	565.0	566.0	567.0	568.5	570.0	572.0	573.5	575.0
15.0	547.5	548.0	548.5	549.5	551.0	553.0	555.5	557.5	560.0	562.0
17.0	527.5	527.5	528.5	530.5	532.5	535.0	538.5	541.0	544.5	547.5
19.5	497.0	497.5	499.0	501.0	504.5	508.0	512.0	516.5	521.0	525.5
22.5	453.5	454.5	456.5	460.0	464.5	470.0	475.5	482.0	488.0	494.0
25.5	402.5	403.5	406.5	411.0	417.0	424.0	432.0	440.5	448.5	456.5
29.0	337.0	338.5	342.0	347.5	355.0	364.5	374.5	385.5	396.5	407.0
33.0	260.0	261.0	265.0	271.5	280.5	291.0	303.5	317.0	330.5	343.5
37.5	181.0	182.0	186.0	192.5	201.0	211.5	224.0	238.5	253.5	268.0
42.5	113.5	114.5	117.5	122.5	129.5	138.5	149.0	161.5	175.5	189.0
47.5	69.0	69.5	71.5	75.0	80.0	86.0	93.5	103.0	113.5	124.0
55.0	32.5	33.0	34.0	36.0	38.0	41.5	45.5	50.0	55.5	61.5
65.0	13.0	13.0	13.5	14.0	15.0	16.0	17.5	19.5	21.5	23.5
75.0	5.0	5.0	5.0	5.5	5.5	6.0	6.5	7.5	8.0	8.5
85.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0
90.0	10.0	9.5	9.5	9.5	9.0	8.5	8.0	7.5	6.5	6.0
95.0	22.5	22.5	22.5	22.5	22.0	22.0	21.5	21.0	21.0	20.5
100.0	42.5	42.5	42.5	43.0	43.5	44.5	45.0	46.0	47.0	48.0
105.0	75.5	75.5	76.0	77.0	78.0	79.0	80.0	81.0	82.5	83.5
110.0	115.5	115.5	116.0	117.0	118.0	119.0	120.5	122.0	124.0	125.5
115.0	162.0	162.5	163.0	164.0	165.5	167.0	169.0	171.5	174.0	177.0
120.0	218.0	218.5	219.0	220.5	222.5	224.5	227.0	230.0	233.0	235.5
125.0	282.0	282.5	283.5	284.5	286.5	288.5	291.0	293.0	295.5	298.0
130.0	348.0	348.0	349.0	350.0	351.0	353.0	354.5	356.5	358.5	360.5
135.0	410.0	410.5	411.0	411.5	412.5	414.0	415.0	416.5	418.0	419.5
140.0	466.0	466.0	466.5	467.0	467.5	468.5	469.0	470.5	471.5	472.5
145.0	513.5	513.5	514.0	514.0	514.5	515.0	516.0	516.5	517.0	518.0
150.0	553.5	553.5	553.5	553.5	554.0	554.5	555.0	555.5	556.0	556.5
155.0	585.5	585.5	586.0	586.0	586.0	586.5	586.5	587.0	587.5	587.5
160.0	611.0	611.0	611.0	611.5	611.5	611.5	611.5	612.0	612.5	612.5
165.0	630.5	630.5	630.5	630.5	630.5	630.5	631.0	631.0	631.0	631.0
170.0	643.5	643.5	643.5	643.5	643.5	644.0	644.0	644.0	644.0	644.0
175.0	651.0	651.0	651.0	651.5	651.0	651.5	651.0	651.5	651.5	651.5
180.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0

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	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0	610.0
1.0	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5	609.5
3.0	608.5	608.5	608.5	608.5	608.5	608.5	608.5	609.0	609.0
5.0	605.5	605.5	606.0	606.0	606.0	606.0	606.5	606.5	606.5
7.0	601.0	601.5	602.0	602.5	602.5	603.0	603.0	603.0	603.5
9.0	595.0	595.5	596.0	596.5	597.0	597.5	598.0	598.0	598.0
11.0	586.5	588.0	589.0	589.5	590.5	591.0	591.5	591.5	591.5
13.0	576.5	578.0	579.5	580.5	581.5	582.5	583.0	583.5	583.5
15.0	564.5	566.5	568.5	570.0	571.5	572.5	573.0	573.5	574.0

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CANDELA TABULATION - (Cont.)

17.0	550.5	553.0	555.5	557.5	559.0	560.5	561.5	562.0	562.0
19.5	529.0	533.0	536.0	538.5	541.0	542.5	543.5	544.0	544.5
22.5	499.5	504.5	508.5	512.0	515.0	517.0	518.5	519.5	520.0
25.5	464.0	470.5	476.0	480.5	483.5	486.5	488.0	489.0	489.5
29.0	417.0	425.0	432.5	438.0	442.0	445.0	447.0	448.0	448.0
33.0	355.5	366.5	374.5	381.5	386.0	389.5	391.5	392.5	393.0
37.5	282.0	294.5	304.0	311.5	317.0	320.5	322.5	324.0	324.5
42.5	203.0	215.0	225.0	233.0	238.5	242.0	244.5	245.5	245.5
47.5	135.5	146.0	154.5	162.0	167.0	170.5	172.5	174.0	174.0
55.0	68.0	74.0	79.5	84.5	88.0	91.0	92.5	93.5	94.0
65.0	26.0	28.5	30.5	32.5	34.5	35.5	36.5	37.5	37.5
75.0	9.5	10.5	11.0	12.0	12.5	13.0	13.5	14.0	14.0
85.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	3.0	3.0
90.0	5.5	4.5	4.0	3.0	2.5	2.0	1.5	1.0	1.0
95.0	20.0	20.0	20.0	20.0	19.5	19.5	19.0	19.0	19.0
100.0	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
105.0	84.0	85.0	85.5	87.0	87.5	87.5	87.5	87.5	87.5
110.0	127.5	129.5	131.5	132.5	133.5	133.5	134.0	134.0	134.0
115.0	179.5	182.0	183.5	185.0	186.0	186.5	187.0	187.5	187.5
120.0	238.0	240.5	242.0	243.5	245.0	246.0	246.5	247.0	247.0
125.0	300.0	302.0	304.0	305.5	306.5	307.5	308.5	309.0	309.0
130.0	362.0	364.0	365.5	367.0	368.0	369.0	370.0	370.5	370.5
135.0	421.0	422.5	423.5	424.5	425.5	426.5	427.0	427.5	427.5
140.0	473.5	474.5	475.5	476.5	477.0	478.0	478.5	478.5	479.0
145.0	519.0	519.5	520.5	521.0	521.5	522.0	522.5	522.5	522.5
150.0	557.0	557.5	558.0	558.5	559.0	559.0	559.5	559.5	559.5
155.0	588.0	588.5	588.5	589.0	589.0	589.5	589.5	589.5	589.5
160.0	612.5	613.0	613.0	613.0	613.5	613.5	613.5	613.5	613.5
165.0	631.0	631.5	631.5	631.5	631.5	631.5	631.5	632.0	632.0
170.0	644.0	644.0	644.0	644.0	644.0	644.0	644.5	644.5	644.5
175.0	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5	651.5
180.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0	653.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	204.99	N.A.	8.00
0-30	402.49	N.A.	15.80
0-40	570.21	N.A.	22.40
0-60	767.90	N.A.	30.10
0-80	826.49	N.A.	32.40
0-90	834.59	N.A.	32.80
10-90	788.00	N.A.	30.90
20-40	365.22	N.A.	14.30
20-50	503.29	N.A.	19.80
40-70	239.04	N.A.	9.40
60-80	58.60	N.A.	2.30
70-80	17.25	N.A.	0.70
80-90	8.10	N.A.	0.30
90-110	114.48	N.A.	4.50
90-120	290.40	N.A.	11.40
90-130	555.83	N.A.	21.80
90-150	1201.8	N.A.	47.20
90-180	1712.49	N.A.	67.20
110-180	1598.02	N.A.	62.70
0-180	2547.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.59
10-20	158.40
20-30	197.50
30-40	167.72
40-50	138.07
50-60	59.62
60-70	41.35
70-80	17.25
80-90	8.10
90-100	25.56
100-110	88.92
110-120	175.92
120-130	265.43
130-140	322.49
140-150	323.48
150-160	270.65
160-170	178.11
170-180	61.93

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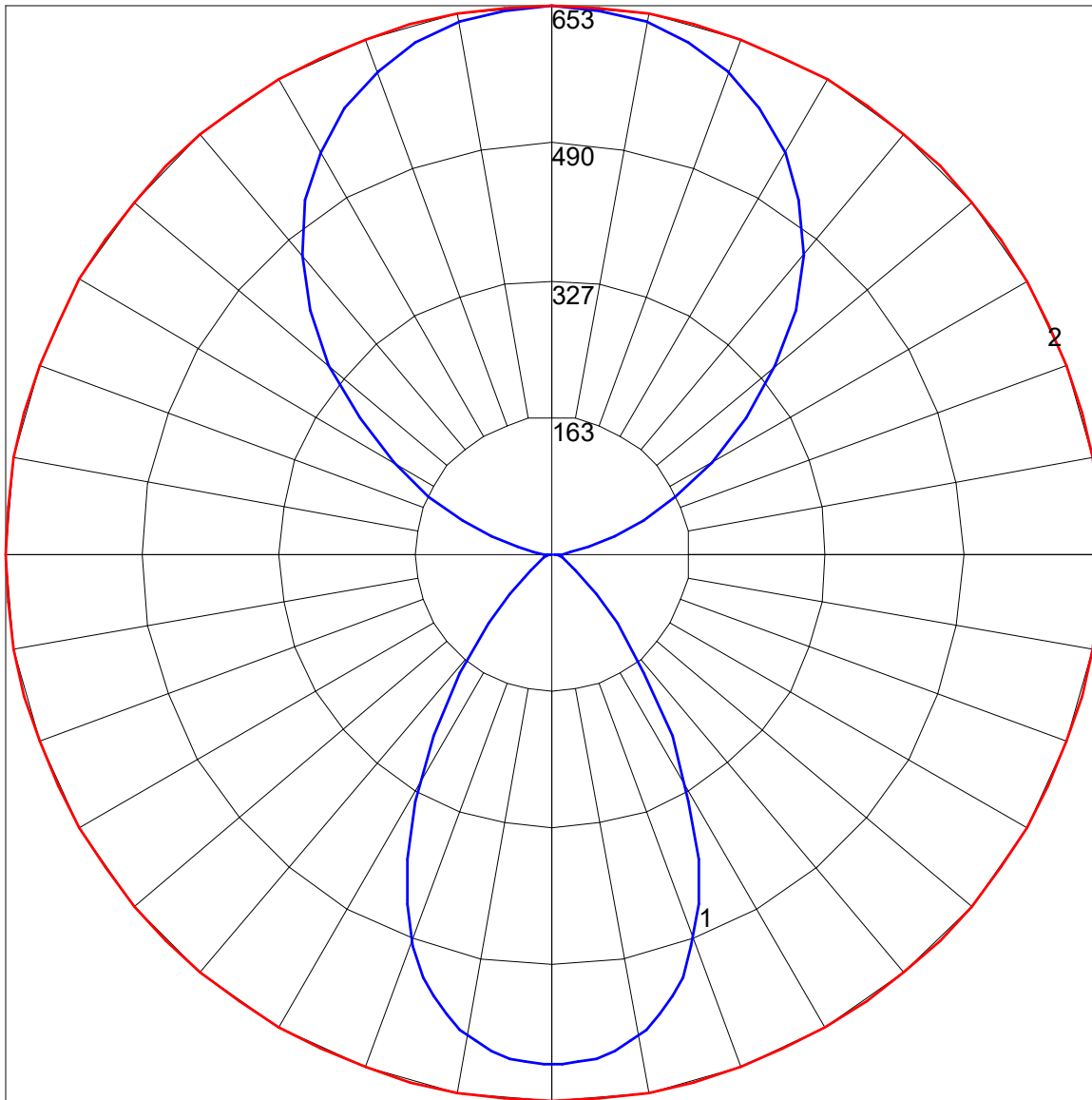
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	103	103	103	93	93	93	93	74	74	74	56	56	56	40	40	40	33
1	95	91	87	84	85	82	79	77	66	64	62	51	50	48	37	36	36	29
2	87	80	75	70	78	73	68	64	59	56	53	46	44	42	34	32	31	26
3	80	71	65	60	72	65	59	55	53	49	46	41	39	37	31	29	28	23
4	74	64	57	51	66	58	52	47	47	43	40	37	34	32	28	26	25	21
5	68	57	50	45	61	52	46	41	43	38	35	34	31	28	26	24	22	19
6	63	52	44	39	57	47	41	36	39	34	31	31	28	25	24	22	20	17
7	58	47	40	35	53	43	37	32	36	31	27	29	25	23	22	20	18	16
8	54	43	36	31	49	39	33	29	33	28	25	26	23	21	20	18	17	14
9	51	39	32	28	46	36	30	26	30	26	22	24	21	19	19	17	15	13
10	47	36	29	25	43	33	27	23	28	23	20	23	19	17	18	16	14	12

POLAR GRAPH



Maximum Candela = 653 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.)