

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-AL / WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	79	81	83	84
Total Lumens, 4' rail length (1219mm)	2329	2403	2452	2476
Lumens per foot (305mm)	582	601	613	619
Lumens per foot UP (305mm)	401	414	422	426
Lumens per foot DOWN (305mm)	181	187	191	193
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 : 707-Z3-48-Z-CC-LO-359-U1S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911546 (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-U1S1-AL

[LUMINAIRE] ZipThree LED Suspended, 48", 3500K, 90 CRI, zipper board, symmetric lens up/40° symmetric lens down,

[MORE] low output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2452
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
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	986	1702	3140
55	677	1071	2141
65	549	776	1508
75	452	578	1084
85	286	359	620

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z3-48-Z-CC-LO-359-U1S1.IES

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	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
1.0	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
3.0	589.5	589.5	589.5	589.5	589.5	590.0	590.0	590.0	590.5	590.5
5.0	581.5	581.5	582.0	582.0	582.5	583.0	583.5	584.5	585.0	586.0
7.0	568.5	568.5	569.0	569.5	570.5	571.5	573.0	574.0	575.5	577.5
9.0	551.0	551.0	552.0	553.0	554.5	556.5	558.5	561.0	563.5	566.0
11.0	529.0	529.5	530.5	532.0	534.5	537.0	540.5	544.0	548.0	552.0
13.0	502.5	503.0	504.5	507.0	510.5	514.5	519.0	524.0	529.0	534.5
15.0	473.0	473.5	475.5	478.5	482.5	488.0	494.0	500.5	507.5	515.0
17.0	439.5	440.5	443.0	447.0	452.0	458.5	466.0	474.0	483.0	492.0
19.5	395.0	396.0	399.0	403.5	410.0	418.5	427.5	438.0	449.0	460.5
22.5	339.0	340.0	343.5	349.0	357.0	366.5	378.0	390.5	404.0	418.5
25.5	283.5	285.0	288.5	294.5	303.5	314.0	326.5	341.0	357.0	373.0
29.0	224.0	225.0	229.0	235.0	244.0	255.0	268.5	283.5	300.5	319.0
33.0	167.0	168.5	172.0	177.5	185.5	195.5	208.0	223.0	240.0	258.0
37.5	119.5	120.0	123.0	127.5	134.0	142.5	153.0	166.0	181.0	197.0
42.5	83.5	84.0	86.0	89.5	94.0	100.5	108.5	118.0	129.5	142.5
47.5	61.0	61.5	62.5	65.0	68.0	72.5	78.0	85.0	93.0	102.5
55.0	41.5	41.5	42.0	43.5	45.0	47.5	50.5	54.0	59.0	64.0
65.0	26.0	26.0	26.5	26.5	27.5	28.5	29.5	31.0	33.0	35.5
75.0	14.5	14.5	14.5	15.0	15.0	15.5	15.5	16.0	17.0	17.5
85.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.0
90.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
95.0	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
100.0	36.0	36.0	36.5	37.0	37.5	38.0	39.0	40.0	41.5	42.5
105.0	68.0	68.0	68.5	69.5	70.5	72.0	73.5	75.0	76.5	78.5
110.0	108.0	108.5	109.0	110.0	111.5	113.0	115.0	117.0	119.0	121.0
115.0	156.0	156.0	157.0	158.0	159.5	161.5	163.5	166.0	169.0	172.0
120.0	211.0	211.0	212.0	213.5	215.5	217.5	220.5	224.0	227.0	230.0
125.0	274.0	274.0	275.0	276.5	278.5	280.5	283.0	286.0	288.5	291.0
130.0	339.0	339.5	340.0	341.0	342.5	344.0	346.0	348.5	351.0	353.0
135.0	401.5	401.5	402.0	403.0	404.0	405.5	407.5	409.0	411.0	413.5
140.0	458.5	458.5	459.0	459.5	460.5	462.0	463.5	465.0	466.5	468.5
145.0	509.0	509.0	509.5	510.0	510.5	511.5	512.5	514.0	515.0	516.0
150.0	552.0	552.0	552.0	552.5	553.0	553.5	554.0	555.0	555.5	556.0
155.0	587.0	587.0	587.0	587.0	587.5	587.5	588.0	588.5	588.5	589.0
160.0	613.5	613.5	613.5	614.0	613.5	614.0	614.0	614.0	614.0	614.0
165.0	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5	633.5
170.0	646.5	647.0	647.0	647.0	647.0	646.5	647.0	647.0	647.0	647.0
175.0	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5
180.0	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5

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	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
1.0	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5	592.5
3.0	591.0	591.0	591.0	591.5	591.5	591.5	591.5	592.0	592.0
5.0	586.5	587.0	588.0	588.0	589.0	589.0	589.5	589.5	590.0
7.0	579.0	580.5	581.5	583.0	584.0	585.0	585.5	585.5	586.0
9.0	568.5	571.0	573.5	575.5	577.5	579.0	580.0	581.0	581.0
11.0	556.0	559.5	563.0	566.5	569.0	571.5	573.0	574.0	574.5
13.0	540.0	545.5	550.5	555.0	559.0	562.0	564.5	566.0	566.5
15.0	522.0	529.0	536.0	541.5	547.0	551.0	554.0	556.0	556.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z3-48-Z-CC-LO-359-U1S1.IES

CANDELA TABULATION - (Cont.)

17.0	501.5	510.5	518.5	526.0	532.5	538.0	542.0	544.0	545.0
19.5	472.5	483.5	494.0	504.0	512.0	518.5	523.5	526.5	527.5
22.5	433.0	447.0	460.5	472.5	483.0	491.0	497.5	501.0	502.5
25.5	390.5	407.0	422.0	436.5	448.5	458.5	466.0	470.5	471.5
29.0	337.5	356.0	373.5	390.0	404.0	415.5	424.0	429.0	430.5
33.0	278.0	297.0	316.0	333.0	348.0	361.0	370.0	375.5	377.0
37.5	215.5	233.5	252.0	269.0	284.0	296.5	305.5	311.5	313.5
42.5	157.0	172.5	188.5	203.5	217.0	228.5	237.5	243.0	244.5
47.5	113.5	125.5	137.5	150.0	161.0	171.0	178.5	183.5	185.0
55.0	70.5	78.0	85.5	93.5	101.0	108.0	113.5	117.0	119.0
65.0	38.0	41.5	45.0	49.0	52.5	56.5	59.5	61.5	62.0
75.0	18.5	19.5	21.0	22.5	24.0	25.0	26.5	27.0	27.5
85.0	5.0	5.0	5.0	5.5	5.5	5.5	5.5	5.5	5.5
90.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
95.0	16.0	16.0	16.5	17.0	17.5	17.5	18.0	19.0	19.0
100.0	43.5	45.0	45.5	46.5	47.5	48.5	49.5	49.5	50.0
105.0	80.0	81.5	83.0	84.5	86.0	87.5	88.0	88.5	88.5
110.0	123.5	126.0	128.5	130.5	132.0	133.5	134.5	134.5	135.0
115.0	175.5	178.0	180.0	182.5	184.0	186.0	187.0	187.5	187.5
120.0	232.5	235.5	238.0	240.0	242.0	243.5	245.0	245.5	245.5
125.0	293.5	296.5	299.0	301.5	303.5	304.5	305.5	306.0	306.0
130.0	355.5	358.0	360.5	362.5	364.0	365.5	366.0	366.5	366.5
135.0	415.5	417.5	419.5	421.0	422.0	423.0	423.5	424.0	424.0
140.0	470.0	471.5	473.0	474.0	474.5	475.0	475.5	475.5	476.0
145.0	517.5	518.0	519.0	519.5	520.0	520.0	520.5	520.5	520.5
150.0	557.0	557.5	557.5	558.0	558.0	558.5	558.5	558.5	559.0
155.0	589.0	589.5	589.5	589.5	590.0	590.0	590.0	590.0	590.0
160.0	614.5	614.5	614.5	614.5	615.0	615.0	615.0	615.0	615.0
165.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0	634.0
170.0	647.0	647.0	647.0	647.0	647.0	647.0	647.0	647.0	647.0
175.0	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5	654.5
180.0	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5	656.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z3-48-Z-CC-LO-359-U1S1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	190.12	N.A.	7.80
0-30	356.60	N.A.	14.50
0-40	490.36	N.A.	20.00
0-60	664.74	N.A.	27.10
0-80	747.81	N.A.	30.50
0-90	762.52	N.A.	31.10
10-90	717.65	N.A.	29.30
20-40	300.24	N.A.	12.20
20-50	415.41	N.A.	16.90
40-70	227.23	N.A.	9.30
60-80	83.06	N.A.	3.40
70-80	30.22	N.A.	1.20
80-90	14.71	N.A.	0.60
90-110	105.44	N.A.	4.30
90-120	277.21	N.A.	11.30
90-130	537.34	N.A.	21.90
90-150	1177.03	N.A.	48.00
90-180	1689.06	N.A.	68.90
110-180	1583.63	N.A.	64.60
0-180	2451.58	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	44.87
10-20	145.25
20-30	166.48
30-40	133.76
40-50	115.17
50-60	59.21
60-70	52.85
70-80	30.22
80-90	14.71
90-100	20.85
100-110	84.59
110-120	171.78
120-130	260.12
130-140	317.93
140-150	321.76
150-160	270.99
160-170	178.82
170-180	62.23

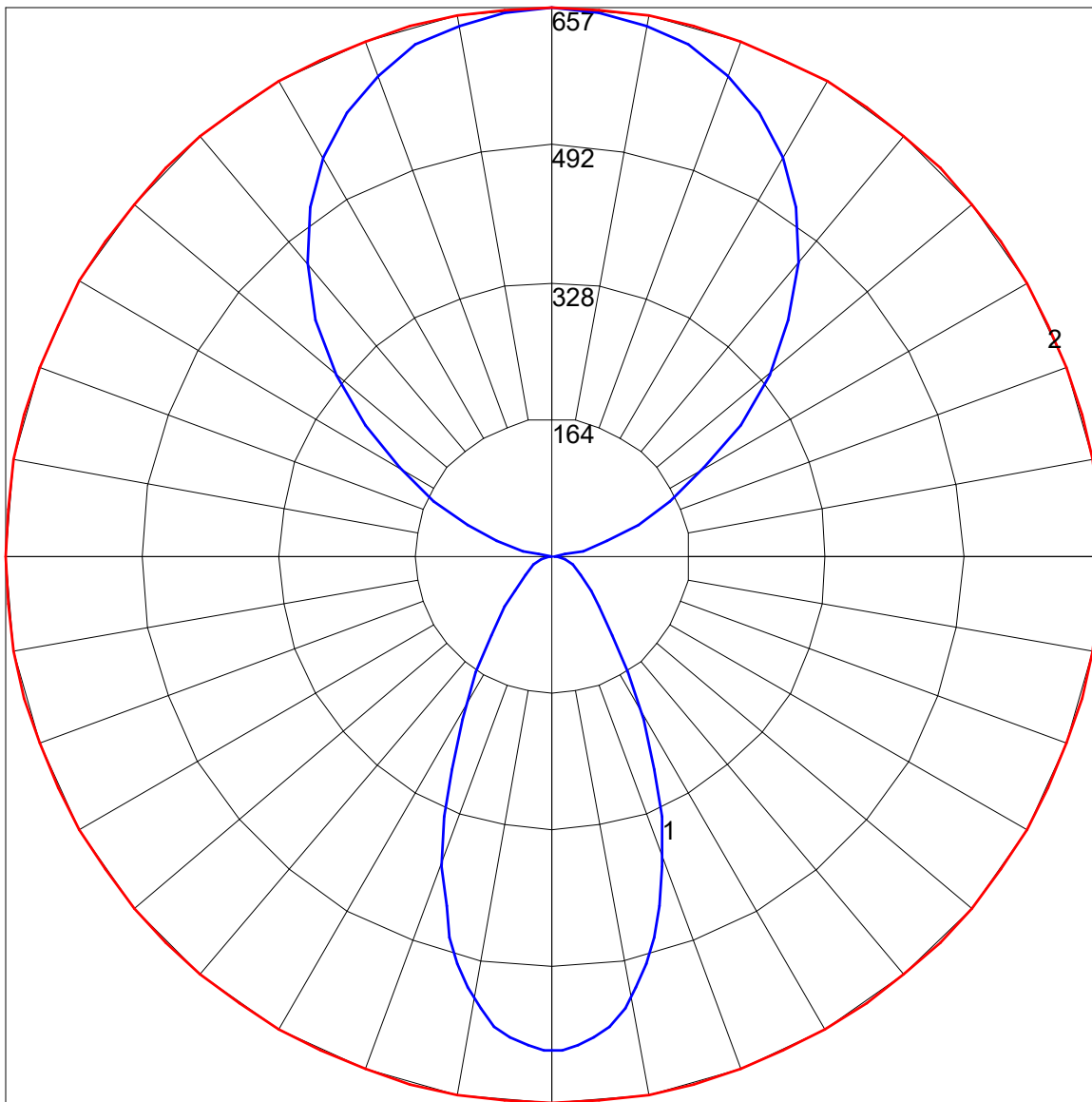
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 707-Z3-48-Z-CC-LO-359-U1S1.IES

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	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	90	86	83	84	81	78	75	64	62	61	49	48	47	35	34	34	27
2	86	79	74	69	77	72	67	63	57	54	51	44	42	40	32	30	29	24
3	79	70	64	58	71	64	58	53	51	47	44	40	37	35	29	27	26	21
4	73	63	56	50	65	57	51	46	46	42	38	36	33	30	26	24	23	19
5	67	56	49	43	60	51	45	40	42	37	33	32	29	27	24	22	21	17
6	62	51	43	38	56	46	40	35	38	33	30	30	26	24	22	20	19	15
7	57	46	39	34	52	42	36	31	34	30	26	27	24	22	21	19	17	14
8	53	42	35	30	48	38	32	28	32	27	24	25	22	20	19	17	15	13
9	50	38	31	27	45	35	29	25	29	25	21	23	20	18	18	16	14	12
10	47	35	29	24	42	32	27	23	27	22	19	22	18	16	17	15	13	11

POLAR GRAPH



Maximum Candela = 656.5 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.)