

IES Report

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

707-Z3-XX-4-48-CC-XX-XX-XX-X-0-Z-LO-35-U1S7-0-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	91	93
Total Lumens, 4' rail length (1219mm)	2662	2746	2802	2858
Lumens per foot (305mm)	666	687	701	715
Lumens per foot UP (305mm)	403	416	424	433
Lumens per foot DOWN (305mm)	263	271	276	282
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	85	85	85	85

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_35_U1S7_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L031805811 (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-35-U1S7-BL

[LUMINAIRE] ZipThree Suspended, 48", 3500K, 80 CRI, zipper board,

[MORE] symmetric lens 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	2802
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
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	3181	3905	3652
55	1481	2234	2094
65	671	1143	1189
75	336	574	713
85	113	213	340

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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	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90
1.0	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90
3.0	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74
5.0	637.42	637.42	637.42	637.42	637.42	637.42	637.42	637.42	637.42	637.42
7.0	633.94	633.94	633.94	633.94	633.94	633.94	633.94	633.94	633.94	633.94
9.0	629.30	629.30	628.72	629.30	628.72	628.72	628.72	628.72	628.72	628.72
11.0	622.92	622.92	622.92	622.92	622.92	622.92	622.92	622.92	622.92	622.92
13.0	615.96	615.96	615.38	615.38	615.38	615.38	615.38	615.38	615.38	615.38
15.0	607.26	607.26	607.26	607.26	607.26	606.68	606.68	606.68	606.68	606.10
17.0	596.82	596.82	596.82	596.82	596.82	596.82	596.82	596.82	596.24	596.24
19.5	581.74	581.74	581.74	581.74	581.74	581.74	581.74	581.74	581.16	581.16
22.5	559.70	559.70	559.70	560.28	560.28	560.86	560.86	560.28	560.28	559.70
25.5	532.44	532.44	533.02	533.60	534.18	534.76	535.34	535.34	534.76	534.18
29.0	493.58	493.58	494.74	495.90	497.06	498.80	499.38	499.96	499.96	498.80
33.0	437.90	438.48	440.22	442.54	445.44	447.76	450.08	451.82	452.40	451.24
37.5	362.50	363.08	365.98	369.46	374.10	379.32	383.96	386.86	389.18	389.18
42.5	268.54	269.70	273.18	278.40	285.36	292.32	299.28	305.66	309.14	310.88
47.5	180.96	181.54	185.60	190.82	197.78	205.90	214.02	222.14	227.94	230.84
55.0	87.58	88.16	90.48	94.54	99.18	105.56	111.94	118.90	124.70	128.76
65.0	30.74	31.32	31.90	33.64	35.96	38.28	41.18	44.66	47.56	50.46
75.0	10.44	10.44	10.44	11.02	11.60	12.76	13.34	14.50	15.66	16.82
85.0	1.74	1.74	1.74	1.74	1.74	2.32	2.32	2.32	2.32	2.90
90.0	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95.0	13.92	14.50	14.50	14.50	14.50	14.50	15.08	15.08	15.08	15.08
100.0	36.54	37.12	37.12	37.12	37.70	38.28	38.86	39.44	40.60	41.18
105.0	66.12	66.12	66.70	67.28	67.86	69.02	70.18	71.34	73.08	74.24
110.0	103.24	103.24	103.82	104.98	106.14	107.88	109.62	111.36	113.68	116.00
115.0	149.06	149.06	149.64	150.80	152.54	154.28	157.18	159.50	162.40	165.30
120.0	202.42	202.42	203.58	204.74	207.06	209.38	211.70	215.18	218.66	222.14
125.0	263.32	263.90	264.48	266.22	268.54	270.86	273.76	277.24	281.30	284.78
130.0	329.44	329.44	330.60	332.34	334.08	336.98	339.88	343.36	346.84	350.32
135.0	396.72	397.30	397.88	399.04	401.36	403.68	406.00	408.90	411.80	414.70
140.0	461.10	461.10	461.68	462.84	464.00	465.74	468.06	469.80	472.12	473.86
145.0	517.36	517.36	517.94	518.52	519.68	520.84	522.00	523.16	524.90	526.06
150.0	564.92	564.92	564.92	565.50	566.08	566.66	567.82	568.40	569.56	570.14
155.0	603.20	603.20	603.20	603.78	603.78	604.36	604.94	605.52	606.10	606.68
160.0	633.36	633.94	633.94	633.94	633.94	634.52	634.52	635.10	635.68	635.68
165.0	657.14	657.14	657.14	657.14	657.14	657.72	657.72	658.30	658.30	658.88
170.0	673.96	673.96	673.96	673.96	674.54	674.54	674.54	674.54	675.12	675.12
175.0	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98	684.98
180.0	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04

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	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90
1.0	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90	640.90
3.0	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74	639.74
5.0	637.42	637.42	637.42	637.42	637.42	637.42	637.42	637.42	637.42
7.0	633.94	633.36	633.36	633.36	633.36	633.36	633.36	633.36	633.36
9.0	628.72	628.72	628.72	628.72	628.72	628.72	628.72	628.14	628.14
11.0	622.34	622.34	622.34	622.34	622.34	621.76	621.76	621.76	621.76
13.0	614.80	614.80	614.80	614.22	614.22	614.22	614.22	613.64	613.64
15.0	606.10	606.10	605.52	604.94	604.94	604.94	604.36	604.36	604.36

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17.0	595.66	595.08	594.50	594.50	593.92	593.34	593.34	592.76	593.34
19.5	580.58	579.42	578.84	578.26	577.68	577.10	576.52	575.94	575.94
22.5	558.54	557.38	556.22	555.06	553.90	553.32	552.74	552.16	551.58
25.5	532.44	531.28	529.54	527.80	526.06	524.90	523.74	523.16	522.58
29.0	497.06	495.32	493.00	490.10	487.78	485.46	484.30	483.14	482.56
33.0	449.50	446.60	443.12	439.64	436.16	432.68	430.36	429.20	428.62
37.5	386.86	383.38	379.32	374.10	369.46	365.40	361.92	360.18	359.60
42.5	309.72	306.24	301.02	295.22	290.00	284.78	281.30	278.98	278.40
47.5	230.84	228.52	223.88	218.66	212.86	208.22	204.16	202.42	201.84
55.0	130.50	129.92	127.60	124.12	120.06	116.58	114.26	112.52	111.94
65.0	51.62	52.20	52.20	51.04	49.88	48.72	47.56	46.98	46.98
75.0	17.40	17.98	18.56	17.98	17.98	17.98	17.40	17.40	17.40
85.0	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90	2.90
90.0	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58
95.0	15.66	15.66	15.66	15.66	15.66	15.66	15.66	15.66	15.66
100.0	41.76	42.34	43.50	43.50	44.08	44.66	44.66	44.66	44.08
105.0	75.98	77.14	78.88	80.04	80.62	81.20	81.78	81.78	81.78
110.0	118.32	120.64	122.38	124.12	125.28	126.44	127.02	127.02	127.02
115.0	168.20	171.10	173.42	175.74	177.48	178.64	179.22	179.80	179.80
120.0	225.62	229.10	232.00	234.32	236.06	237.22	238.38	238.96	238.96
125.0	288.84	292.32	295.22	297.54	299.28	300.44	301.60	302.18	302.76
130.0	353.80	357.28	359.60	361.92	363.66	365.40	365.98	367.14	367.14
135.0	417.02	419.92	422.24	423.98	425.72	426.88	428.04	429.20	429.20
140.0	476.18	477.92	479.66	480.82	482.56	483.72	484.88	485.46	486.04
145.0	527.22	528.96	530.12	531.28	532.44	533.60	534.18	535.34	535.34
150.0	571.30	572.46	573.04	574.20	574.78	575.94	577.10	577.68	577.68
155.0	607.26	607.84	609.00	609.58	610.16	611.32	611.90	612.48	612.48
160.0	636.26	636.84	637.42	638.58	639.16	639.74	639.74	640.32	640.32
165.0	658.88	659.46	660.04	660.62	660.62	661.20	661.78	661.78	661.78
170.0	675.12	675.70	675.70	676.28	676.28	676.28	676.86	676.86	676.86
175.0	685.56	685.56	685.56	685.56	685.56	685.56	685.56	685.56	685.56
180.0	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04	689.04

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Zone	Lumens	%Lamp	%Fixt
0-20	220.32	N.A.	7.90
0-30	450.16	N.A.	16.10
0-40	672.13	N.A.	24.00
0-60	990.13	N.A.	35.30
0-80	1095.24	N.A.	39.10
0-90	1105.6	N.A.	39.50
10-90	1056.48	N.A.	37.70
20-40	451.81	N.A.	16.10
20-50	666.27	N.A.	23.80
40-70	392.60	N.A.	14.00
60-80	105.11	N.A.	3.80
70-80	30.51	N.A.	1.10
80-90	10.36	N.A.	0.40
90-110	100.05	N.A.	3.60
90-120	265.06	N.A.	9.50
90-130	519.59	N.A.	18.50
90-150	1166.34	N.A.	41.60
90-180	1696.84	N.A.	60.50
110-180	1596.79	N.A.	57.00
0-180	2802.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	49.12
10-20	171.20
20-30	229.84
30-40	221.97
40-50	214.46
50-60	103.54
60-70	74.60
70-80	30.51
80-90	10.36
90-100	19.55
100-110	80.50
110-120	165.01
120-130	254.53
130-140	318.45
140-150	328.29
150-160	279.49
160-170	185.92
170-180	65.10

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

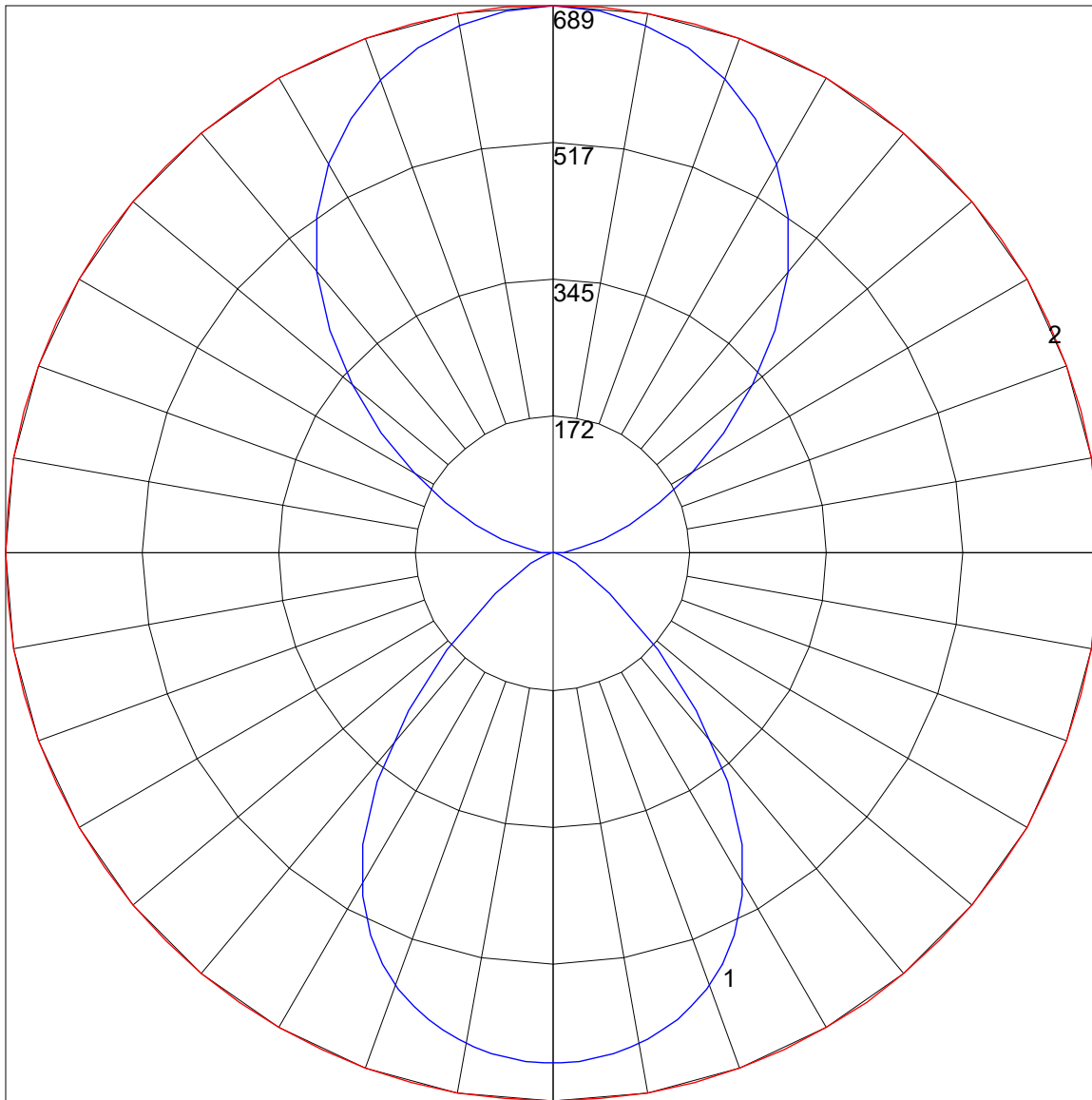
Effective Floor Cavity Reflectance 0.20

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	105	105	105	105	95	95	95	95	77	77	77	61	61	61	46	46	46	39
1	96	92	89	85	87	84	81	78	69	67	65	55	54	52	42	41	41	35
2	88	81	76	71	80	74	70	66	61	58	55	49	47	45	38	37	35	30
3	81	72	65	60	74	66	60	56	55	51	47	44	41	39	34	33	31	27
4	74	64	57	51	68	59	53	48	49	45	41	40	37	34	31	29	27	24
5	69	58	50	45	62	53	47	42	44	39	36	36	33	30	29	26	24	21
6	63	52	44	39	58	48	41	37	40	35	32	33	29	27	26	24	22	19
7	59	47	40	34	53	44	37	32	37	32	28	30	27	24	24	22	20	17
8	55	43	36	31	50	40	33	29	34	29	25	28	24	21	22	20	18	15
9	51	39	32	27	46	36	30	26	31	26	23	26	22	19	21	18	16	14
10	48	36	29	25	43	33	27	23	28	24	20	24	20	18	19	17	15	13

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POLAR GRAPH



Maximum Candela = 689.04 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.)