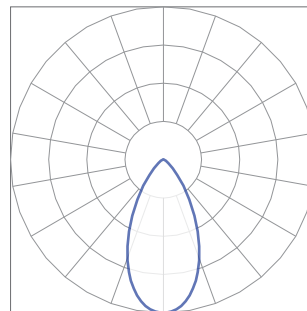


# ZipTwo™ | 707

707-Z2-4-48-X-X-X-0-Z-SO-35-S2-0-WH

The performance data in black text is confirmed through third party testing (see the following Light Laboratory report for details). The performance data in grey text is calculated by Vode, for reference only.

Technical Support: (707) 996-9898



## Details

Rail Type / Length	ZipTwo, 48"
LED Type	Zipper Board
Lumen Output	Standard Output
Color Temperature	3500K, 80+ CRI
Optics	60° White Symmetric

## Performance Summary

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	92	95	97	99
Total Lumens, 4' rail (1219mm)	2390	2465	2515	2566
Lumens per foot (305mm)	597	616	629	641
Input Power (W), 4' rail (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	-	-	85	-

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**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_SO\_35\_S2.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L071704224 (SOURCE REPORT FOR REFERENCE)  
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB  
[ISSUEDATE] 11/1/2017  
[MANUFAC] Vode Lighting  
[LUMCAT] 707-Z2-48-Z-SO-35-S2-AL  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,  
[MORE] 60° white symmetric lens, standard output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2509
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	26.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	74551	111603	128343
55	44852	73745	93007
65	32117	49296	65729
75	26222	35979	47565
85	19920	23542	30785

**IES INDOOR REPORT**  
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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>
<b>0</b>	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96
<b>5</b>	1318.06	1318.06	1318.06	1318.06	1318.06	1318.06	1318.06	1318.06	1319.24	1319.24
<b>10</b>	1294.46	1294.46	1295.64	1295.64	1296.82	1296.82	1298.00	1299.18	1299.18	1300.36
<b>15</b>	1247.26	1248.44	1249.62	1250.80	1253.16	1255.52	1257.88	1260.24	1262.60	1266.14
<b>20</b>	1170.56	1170.56	1172.92	1176.46	1181.18	1185.90	1191.80	1197.70	1204.78	1209.50
<b>25</b>	1057.28	1058.46	1063.18	1069.08	1077.34	1086.78	1098.58	1109.20	1119.82	1130.44
<b>30</b>	909.78	912.14	918.04	928.66	941.64	958.16	974.68	993.56	1011.26	1027.78
<b>35</b>	733.96	737.50	745.76	758.74	777.62	800.04	823.64	848.42	874.38	897.98
<b>40</b>	552.24	555.78	565.22	580.56	601.80	626.58	654.90	686.76	718.62	748.12
<b>45</b>	394.12	397.66	405.92	420.08	438.96	463.74	490.88	523.92	556.96	590.00
<b>50</b>	274.94	276.12	283.20	293.82	309.16	329.22	352.82	379.96	410.64	440.14
<b>55</b>	192.34	193.52	198.24	205.32	217.12	231.28	247.80	269.04	291.46	316.24
<b>60</b>	136.88	138.06	141.60	146.32	154.58	164.02	174.64	188.80	205.32	221.84
<b>65</b>	101.48	101.48	103.84	106.20	110.92	116.82	123.90	133.34	143.96	155.76
<b>70</b>	74.34	74.34	75.52	77.88	80.24	83.78	88.50	93.22	100.30	106.20
<b>75</b>	50.74	50.74	51.92	53.10	54.28	56.64	59.00	61.36	64.90	69.62
<b>80</b>	29.50	30.68	30.68	30.68	31.86	33.04	34.22	35.40	36.58	38.94
<b>85</b>	12.98	12.98	12.98	12.98	12.98	12.98	14.16	14.16	15.34	15.34
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**Vert. 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>
<b>0</b>	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96	1323.96
<b>5</b>	1319.24	1319.24	1319.24	1319.24	1319.24	1319.24	1319.24	1319.24	1319.24
<b>10</b>	1301.54	1301.54	1302.72	1302.72	1303.90	1303.90	1303.90	1303.90	1305.08
<b>15</b>	1268.50	1269.68	1272.04	1273.22	1274.40	1274.40	1275.58	1275.58	1275.58
<b>20</b>	1215.40	1218.94	1222.48	1224.84	1227.20	1228.38	1229.56	1229.56	1229.56
<b>25</b>	1139.88	1148.14	1154.04	1158.76	1161.12	1163.48	1163.48	1164.66	1164.66
<b>30</b>	1041.94	1053.74	1063.18	1069.08	1073.80	1076.16	1076.16	1076.16	1076.16
<b>35</b>	919.22	935.74	947.54	955.80	961.70	962.88	964.06	962.88	962.88
<b>40</b>	774.08	795.32	810.66	820.10	826.00	828.36	828.36	827.18	827.18
<b>45</b>	619.50	643.10	660.80	672.60	678.50	680.86	679.68	678.50	678.50
<b>50</b>	469.64	493.24	512.12	523.92	529.82	532.18	532.18	531.00	531.00
<b>55</b>	341.02	362.26	378.78	389.40	396.48	398.84	400.02	398.84	398.84
<b>60</b>	239.54	257.24	270.22	280.84	286.74	289.10	290.28	291.46	290.28
<b>65</b>	167.56	179.36	188.80	197.06	201.78	205.32	206.50	206.50	207.68
<b>70</b>	114.46	121.54	128.62	134.52	138.06	140.42	141.60	142.78	142.78
<b>75</b>	73.16	77.88	81.42	84.96	88.50	89.68	90.86	92.04	92.04
<b>80</b>	41.30	43.66	44.84	47.20	48.38	49.56	50.74	50.74	50.74
<b>85</b>	16.52	17.70	17.70	18.88	18.88	18.88	20.06	20.06	20.06
<b>90</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_SO\_35\_S2.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	480.81	N.A.	19.20
0-30	994.49	N.A.	39.60
0-40	1537.57	N.A.	61.30
0-60	2254.55	N.A.	89.90
0-80	2489.06	N.A.	99.20
0-90	2508.67	N.A.	100.00
10-90	2383.4	N.A.	95.00
20-40	1056.76	N.A.	42.10
20-50	1493.28	N.A.	59.50
40-70	875.12	N.A.	34.90
60-80	234.52	N.A.	9.30
70-80	76.37	N.A.	3.00
80-90	19.61	N.A.	0.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2508.67	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	125.27
10-20	355.54
20-30	513.67
30-40	543.08
40-50	436.52
50-60	280.45
60-70	158.15
70-80	76.37
80-90	19.61
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

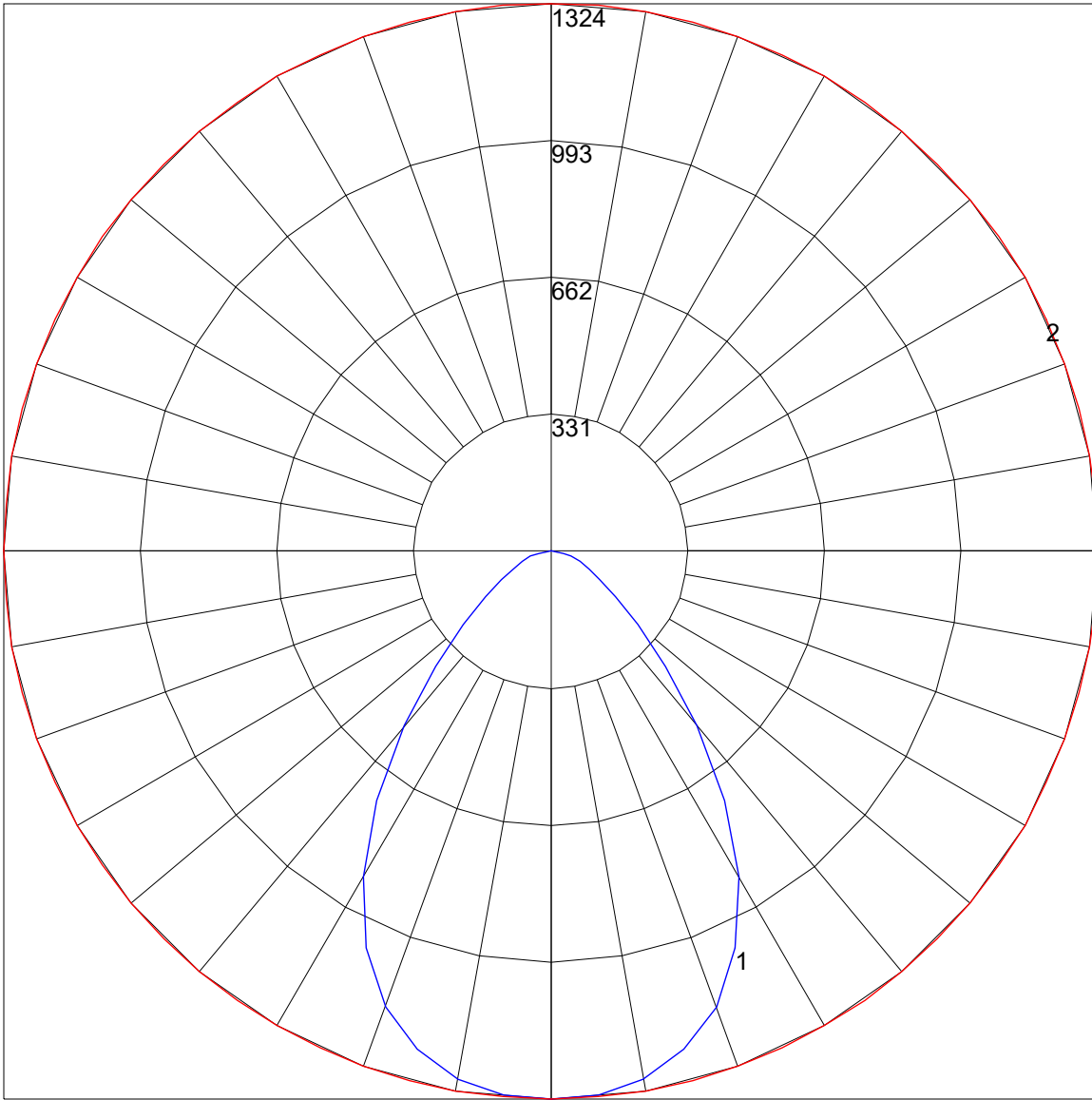
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	79	74	93	84	78	73	82	76	72	79	74	70	77	73	69	67
4	88	78	70	64	86	76	69	64	74	68	63	72	67	62	70	65	61	60
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	64	56	51	74	63	56	51	62	55	50	60	54	50	59	53	49	47
7	71	59	51	46	70	58	51	45	57	50	45	55	49	45	54	49	45	43
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	41	39
9	63	50	43	38	61	50	43	38	49	42	37	48	42	37	47	41	37	35
10	59	47	39	35	58	46	39	35	45	39	34	44	38	34	44	38	34	33

POLAR GRAPH



Maximum Candela = 1323.96 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)