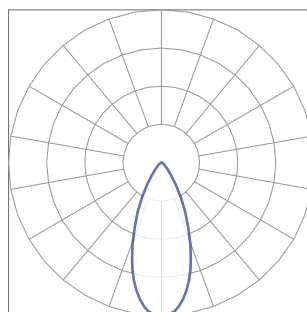


# ZipTwo™ | 707

707-Z2-4-48-X-X-X-0-Z-SO-35-S1-0-BL

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	40° Black Symmetric

## Performance Summary

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	45	46	47	48
Total Lumens, 4' rail (1219mm)	1155	1192	1216	1241
Lumens per foot (305mm)	289	298	304	310
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\_S1-BL.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L071704227 (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-S1-BL  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,  
[MORE] 40° black 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	1213
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	46
Total Luminaire Watts	26.19
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.70
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	0.86
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	9486	26003	90621
55	4128	11282	52007
65	2614	5975	26889
75	1829	3659	14635
85	1811	1811	7244

**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>0.0</b>	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06
<b>1.0</b>	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06
<b>3.0</b>	1132.80	1132.80	1132.80	1132.80	1133.98	1133.98	1135.16	1135.16	1136.34	1136.34
<b>5.0</b>	1112.74	1112.74	1112.74	1113.92	1115.10	1116.28	1118.64	1121.00	1122.18	1124.54
<b>7.0</b>	1077.34	1077.34	1078.52	1080.88	1083.24	1086.78	1090.32	1095.04	1099.76	1104.48
<b>9.0</b>	1030.14	1030.14	1032.50	1036.04	1040.76	1045.48	1052.56	1059.64	1067.90	1076.16
<b>11.0</b>	972.32	973.50	977.04	981.76	988.84	997.10	1006.54	1017.16	1028.96	1041.94
<b>13.0</b>	905.06	906.24	910.96	916.86	926.30	938.10	951.08	966.42	982.94	1000.64
<b>15.0</b>	829.54	831.90	836.62	844.88	856.68	872.02	888.54	908.60	929.84	951.08
<b>17.0</b>	749.30	750.48	757.56	768.18	781.16	798.86	820.10	843.70	869.66	896.80
<b>19.5</b>	646.64	649.00	656.08	667.88	684.40	705.64	730.42	759.92	790.60	824.82
<b>22.5</b>	522.74	525.10	533.36	546.34	565.22	588.82	617.14	650.18	687.94	728.06
<b>25.5</b>	408.28	410.64	418.90	431.88	450.76	475.54	506.22	541.62	582.92	627.76
<b>29.0</b>	295.00	297.36	304.44	317.42	335.12	358.72	388.22	423.62	466.10	513.30
<b>33.0</b>	193.52	195.88	201.78	212.40	226.56	246.62	272.58	304.44	342.20	388.22
<b>37.5</b>	115.64	116.82	121.54	128.62	139.24	154.58	174.64	199.42	231.28	270.22
<b>42.5</b>	63.72	64.90	67.26	71.98	79.06	88.50	101.48	119.18	142.78	171.10
<b>47.5</b>	36.58	36.58	38.94	41.30	46.02	50.74	59.00	70.80	84.96	103.84
<b>55.0</b>	17.70	17.70	18.88	20.06	21.24	23.60	27.14	31.86	38.94	48.38
<b>65.0</b>	8.26	8.26	8.26	8.26	9.44	10.62	11.80	12.98	15.34	18.88
<b>75.0</b>	3.54	3.54	3.54	3.54	3.54	4.72	4.72	5.90	5.90	7.08
<b>85.0</b>	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18	1.18
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**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>
<b>0.0</b>	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06
<b>1.0</b>	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06	1141.06
<b>3.0</b>	1136.34	1137.52	1138.70	1138.70	1138.70	1139.88	1139.88	1139.88	1139.88
<b>5.0</b>	1126.90	1129.26	1131.62	1132.80	1135.16	1136.34	1136.34	1137.52	1137.52
<b>7.0</b>	1109.20	1113.92	1117.46	1122.18	1125.72	1128.08	1130.44	1131.62	1131.62
<b>9.0</b>	1084.42	1091.50	1099.76	1106.84	1112.74	1117.46	1121.00	1123.36	1123.36
<b>11.0</b>	1053.74	1065.54	1077.34	1087.96	1097.40	1104.48	1110.38	1113.92	1115.10
<b>13.0</b>	1018.34	1034.86	1050.20	1065.54	1078.52	1087.96	1096.22	1100.94	1103.30
<b>15.0</b>	974.68	997.10	1017.16	1038.40	1054.92	1069.08	1078.52	1085.60	1087.96
<b>17.0</b>	925.12	953.44	980.58	1006.54	1027.78	1045.48	1058.46	1066.72	1069.08
<b>19.5</b>	860.22	895.62	928.66	961.70	990.02	1012.44	1030.14	1041.94	1045.48
<b>22.5</b>	771.72	815.38	859.04	899.16	934.56	965.24	988.84	1001.82	1006.54
<b>25.5</b>	678.50	728.06	779.98	828.36	872.02	909.78	938.10	955.80	961.70
<b>29.0</b>	565.22	623.04	679.68	738.68	790.60	836.62	870.84	892.08	900.34
<b>33.0</b>	441.32	499.14	561.68	626.58	685.58	737.50	778.80	803.58	811.84
<b>37.5</b>	317.42	371.70	433.06	490.88	556.96	612.42	658.44	686.76	696.20
<b>42.5</b>	207.68	252.52	303.26	356.36	415.36	466.10	513.30	541.62	552.24
<b>47.5</b>	129.80	160.48	198.24	243.08	290.28	335.12	371.70	396.48	405.92
<b>55.0</b>	61.36	76.70	97.94	123.90	148.68	177.00	200.60	217.12	223.02
<b>65.0</b>	23.60	29.50	36.58	46.02	55.46	66.08	75.52	82.60	84.96
<b>75.0</b>	8.26	10.62	12.98	15.34	18.88	22.42	25.96	28.32	28.32
<b>85.0</b>	2.36	2.36	2.36	3.54	3.54	3.54	4.72	4.72	4.72
<b>90.0</b>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	355.63	N.A.	29.30
0-30	649.29	N.A.	53.50
0-40	873.89	N.A.	72.00
0-60	1129.52	N.A.	93.10
0-80	1205.12	N.A.	99.40
0-90	1212.99	N.A.	100.00
10-90	1127.05	N.A.	92.90
20-40	518.26	N.A.	42.70
20-50	696.43	N.A.	57.40
40-70	309.30	N.A.	25.50
60-80	75.60	N.A.	6.20
70-80	21.93	N.A.	1.80
80-90	7.87	N.A.	0.60
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	1212.99	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	85.94
10-20	269.69
20-30	293.65
30-40	224.60
40-50	178.17
50-60	77.45
60-70	53.68
70-80	21.93
80-90	7.87
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

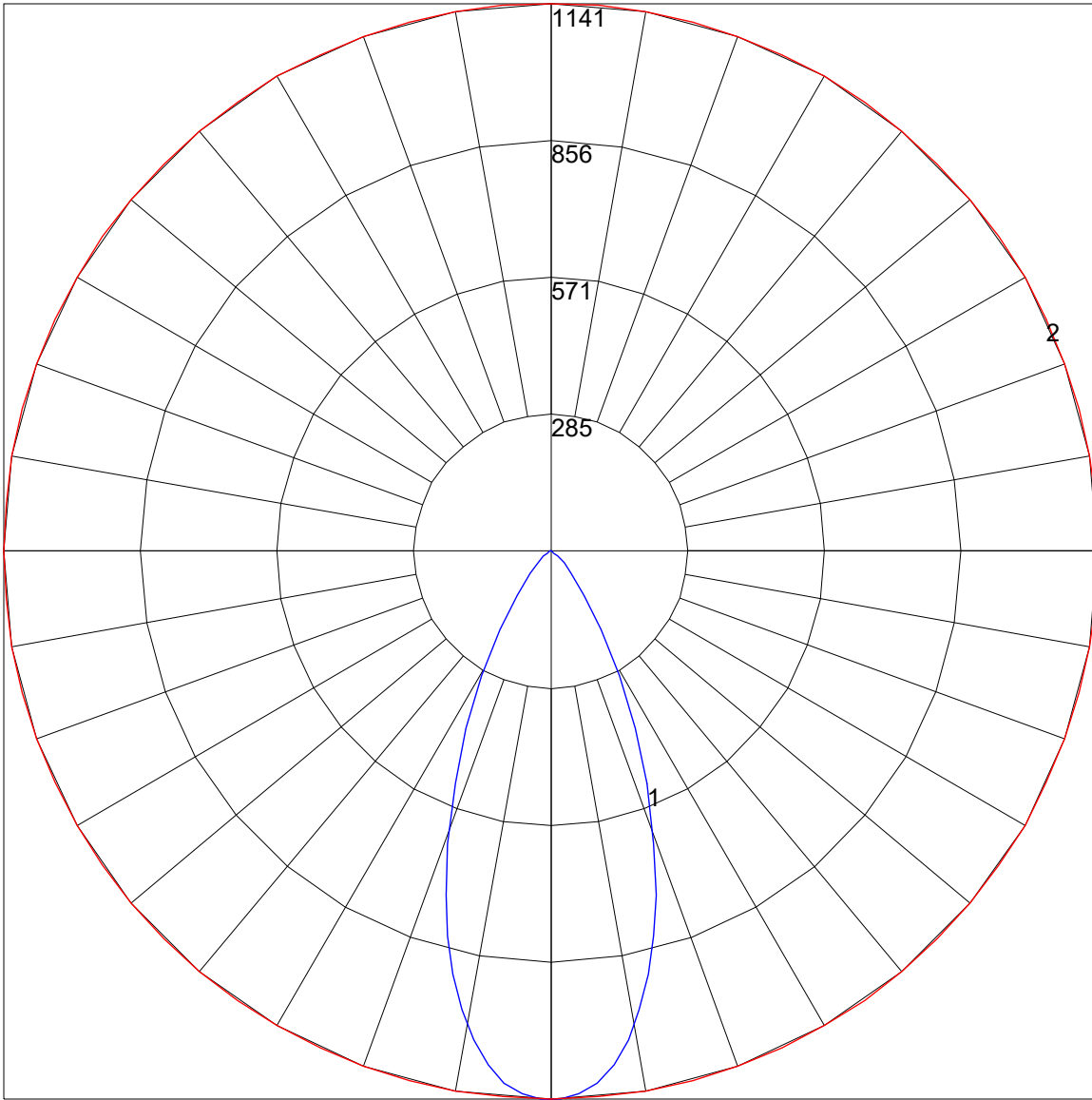
**IES INDOOR REPORT**  
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90
2	105	99	94	89	102	97	92	88	93	90	86	90	87	84	88	85	83	81	81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73	73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	69	75	71	68	66	66
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60
6	81	70	63	58	79	70	63	58	68	62	57	66	61	57	65	60	57	55	55
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51	51
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47	47
9	68	57	50	46	67	56	50	45	55	49	45	54	49	45	53	49	45	43	43
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40	40

POLAR GRAPH



Maximum Candela = 1141.06 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.)