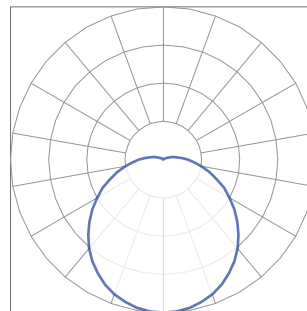


# ZipTwo™ | 707

707-Z2-4-48-X-X-X-0-Z-SO-35-S4-0-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	Round Diffuse

## Performance Summary

	2700K	3000K	3500K	4000K
Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	102	106	108	110
Total Lumens, 4' rail (1219mm)	2659	2743	2799	2855
Lumens per foot (305mm)	665	686	700	714
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\_S4.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L071704231 (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-S4  
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,  
 [MORE] round diffuse lens, standard output  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2791
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	26.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.04 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13429	13999	16641
55	12276	12706	15879
65	11136	11254	14753
75	10022	9627	12559
85	9255	8201	8347

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_SO\_35\_S4.IES**

**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	863.312	863.312	863.312	863.312	863.312
<b>5</b>	859.606	859.854	859.123	859.512	859.606
<b>10</b>	849.423	849.270	848.337	847.995	847.653
<b>15</b>	831.581	831.829	829.918	828.690	828.254
<b>20</b>	807.769	807.238	804.642	802.046	801.999
<b>25</b>	777.691	777.254	772.794	769.513	768.581
<b>30</b>	741.146	739.825	734.479	729.240	728.508
<b>35</b>	699.115	697.592	689.557	683.586	682.359
<b>40</b>	651.879	649.094	640.516	632.338	630.911
<b>45</b>	600.443	597.552	586.189	577.421	574.672
<b>50</b>	546.257	541.113	527.684	516.073	513.630
<b>55</b>	490.113	482.514	465.475	451.657	446.701
<b>60</b>	432.989	424.753	404.622	383.901	381.553
<b>65</b>	377.730	366.945	340.784	316.535	307.956
<b>70</b>	322.270	309.184	279.353	247.116	233.097
<b>75</b>	269.453	256.674	221.486	180.977	163.041
<b>80</b>	220.365	205.426	168.386	121.398	95.627
<b>85</b>	176.174	160.492	123.310	72.358	39.200
<b>90</b>	137.376	122.873	89.361	38.503	5.003
<b>95</b>	104.548	94.990	58.398	18.373	1.475
<b>100</b>	77.019	65.702	37.772	8.626	0.000
<b>105</b>	55.944	46.008	23.954	4.508	0.000
<b>110</b>	38.999	31.353	14.797	3.233	0.000
<b>115</b>	26.361	20.626	9.263	3.092	0.000
<b>120</b>	17.240	13.428	6.219	3.233	0.000
<b>125</b>	11.363	8.874	5.003	3.328	0.000
<b>130</b>	7.741	6.514	4.555	3.481	0.000
<b>135</b>	6.077	5.534	4.460	3.528	0.000
<b>140</b>	5.487	5.192	4.413	3.729	0.000
<b>145</b>	5.192	4.944	4.413	0.000	0.000
<b>150</b>	4.897	4.803	4.413	0.000	0.000
<b>155</b>	4.803	4.555	4.366	0.000	0.000
<b>160</b>	4.602	4.413	0.000	0.000	0.000
<b>165</b>	4.508	4.460	0.000	0.000	0.000
<b>170</b>	4.413	4.413	0.000	0.000	0.000
<b>175</b>	4.307	0.000	0.000	0.000	0.000
<b>180</b>	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_SO\_35\_S4.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	316.00	N.A.	11.30
0-30	672.30	N.A.	24.10
0-40	1104.24	N.A.	39.60
0-60	1975.19	N.A.	70.80
0-80	2545.99	N.A.	91.20
0-90	2675.66	N.A.	95.90
10-90	2593.96	N.A.	92.90
20-40	788.24	N.A.	28.20
20-50	1241.09	N.A.	44.50
40-70	1209.55	N.A.	43.30
60-80	570.80	N.A.	20.50
70-80	232.21	N.A.	8.30
80-90	129.67	N.A.	4.60
90-110	91.05	N.A.	3.30
90-120	103.05	N.A.	3.70
90-130	108.44	N.A.	3.90
90-150	113.75	N.A.	4.10
90-180	115.51	N.A.	4.10
110-180	24.47	N.A.	0.90
0-180	2791.18	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	81.70
10-20	234.30
20-30	356.30
30-40	431.94
40-50	452.86
50-60	418.10
60-70	338.59
70-80	232.21
80-90	129.67
90-100	62.92
100-110	28.12
110-120	12.00
120-130	5.39
130-140	3.28
140-150	2.04
150-160	1.20
160-170	0.47
170-180	0.08

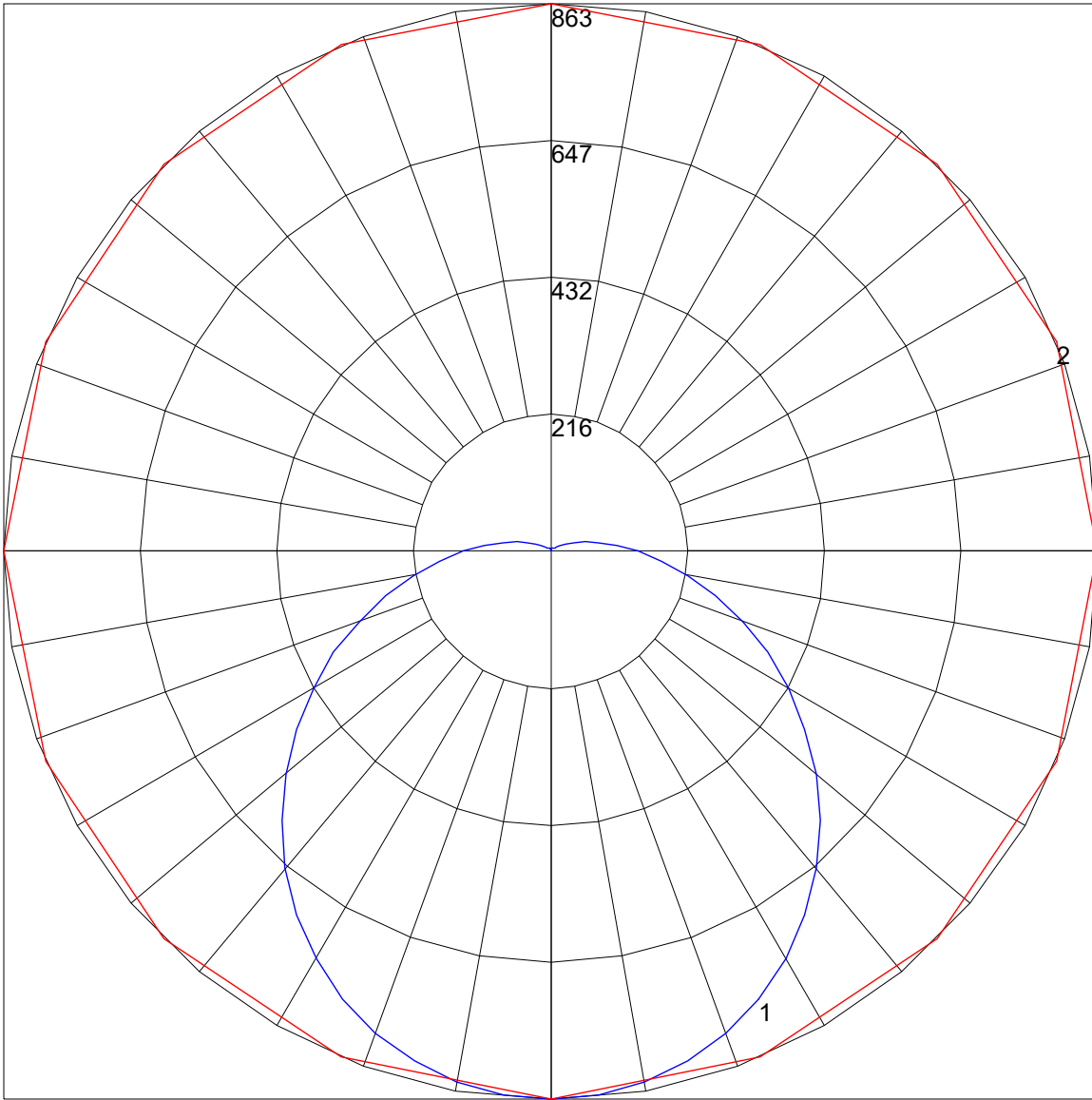
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_SO\_35\_S4.IES**

**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	118	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	92	92	103	98	94	90	93	90	86	89	86	83	84	82	80	77
2	96	87	80	74	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61	61	85	74	66	60	71	64	58	67	62	57	64	59	55	53
4	80	67	58	51	51	77	66	57	51	63	55	49	60	53	48	57	52	47	45
5	73	60	51	44	44	71	59	50	43	56	48	43	54	47	42	51	46	41	39
6	68	54	45	38	38	65	53	44	38	51	43	37	48	42	36	46	40	36	34
7	63	49	40	34	34	61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30	30	56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	32	27	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	30	24	24	50	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 863.312 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.)