

IES Report

ZipTwo® | 707 | Round, Diffuse | 80 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-35-S4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	102	105	107	109
Total Lumens, 4' rail length (1219mm)	3988	4114	4198	4282
Lumens per foot (305mm)	997	1029	1050	1071
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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\_Z2\_HO\_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-HO-35-S4  
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board  
 [MORE] round diffuse lens, high output  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4187
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	39.36
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	20143	20999	24961
55	18415	19060	23819
65	16704	16881	22130
75	15033	14440	18838
85	13882	12302	12521

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_HO\_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>	1294.967	1294.967	1294.967	1294.967	1294.967
<b>5</b>	1289.410	1289.781	1288.684	1289.268	1289.410
<b>10</b>	1274.134	1273.904	1272.506	1271.993	1271.479
<b>15</b>	1247.372	1247.744	1244.876	1243.036	1242.381
<b>20</b>	1211.653	1210.857	1206.963	1203.069	1202.998
<b>25</b>	1166.536	1165.881	1159.191	1154.270	1152.872
<b>30</b>	1111.719	1109.737	1101.719	1093.860	1092.763
<b>35</b>	1048.672	1046.389	1034.335	1025.379	1023.538
<b>40</b>	977.819	973.642	960.774	948.508	946.366
<b>45</b>	900.664	896.328	879.283	866.132	862.008
<b>50</b>	819.386	811.669	791.526	774.109	770.446
<b>55</b>	735.169	723.771	698.212	677.485	670.051
<b>60</b>	649.484	637.129	606.933	575.852	572.329
<b>65</b>	566.595	550.417	511.176	474.802	461.935
<b>70</b>	483.405	463.775	419.030	370.673	349.646
<b>75</b>	404.179	385.010	332.229	271.465	244.561
<b>80</b>	330.547	308.139	252.579	182.098	143.441
<b>85</b>	264.261	240.738	184.965	108.536	58.799
<b>90</b>	206.063	184.310	134.042	57.755	7.505
<b>95</b>	156.822	142.485	87.597	27.559	2.212
<b>100</b>	115.528	98.554	56.658	12.939	0.000
<b>105</b>	83.916	69.012	35.931	6.761	0.000
<b>110</b>	58.498	47.029	22.196	4.850	0.000
<b>115</b>	39.542	30.940	13.894	4.637	0.000
<b>120</b>	25.860	20.143	9.328	4.850	0.000
<b>125</b>	17.045	13.310	7.505	4.991	0.000
<b>130</b>	11.611	9.770	6.832	5.221	0.000
<b>135</b>	9.115	8.301	6.691	5.292	0.000
<b>140</b>	8.230	7.788	6.620	5.593	0.000
<b>145</b>	7.788	7.416	6.620	0.000	0.000
<b>150</b>	7.345	7.204	6.620	0.000	0.000
<b>155</b>	7.204	6.832	6.549	0.000	0.000
<b>160</b>	6.903	6.620	0.000	0.000	0.000
<b>165</b>	6.761	6.691	0.000	0.000	0.000
<b>170</b>	6.620	6.620	0.000	0.000	0.000
<b>175</b>	6.460	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\_HO\_35\_S4.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	474.00	N.A.	11.30
0-30	1008.45	N.A.	24.10
0-40	1656.36	N.A.	39.60
0-60	2962.79	N.A.	70.80
0-80	3818.99	N.A.	91.20
0-90	4013.49	N.A.	95.90
10-90	3890.95	N.A.	92.90
20-40	1182.35	N.A.	28.20
20-50	1861.64	N.A.	44.50
40-70	1814.32	N.A.	43.30
60-80	856.20	N.A.	20.50
70-80	348.31	N.A.	8.30
80-90	194.51	N.A.	4.60
90-110	136.57	N.A.	3.30
90-120	154.57	N.A.	3.70
90-130	162.65	N.A.	3.90
90-150	170.63	N.A.	4.10
90-180	173.27	N.A.	4.10
110-180	36.70	N.A.	0.90
0-180	4186.76	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	122.55
10-20	351.46
20-30	534.45
30-40	647.91
40-50	679.29
50-60	627.15
60-70	507.89
70-80	348.31
80-90	194.51
90-100	94.38
100-110	42.18
110-120	18.00
120-130	8.08
130-140	4.92
140-150	3.06
150-160	1.80
160-170	0.71
170-180	0.13

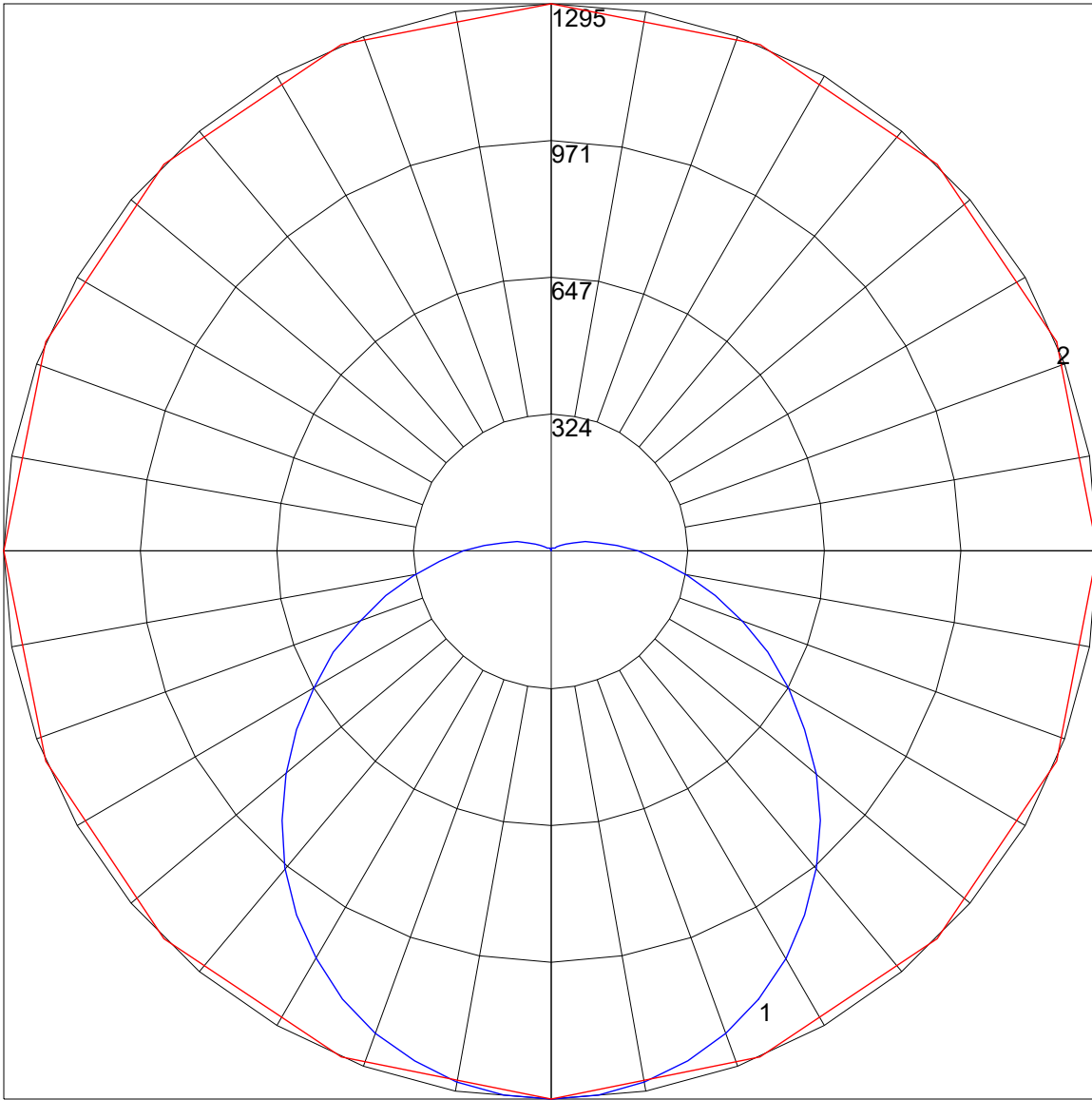
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : VODE\_707\_Z2\_HO\_35\_S4.IES**

**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 = 1294.967 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.)