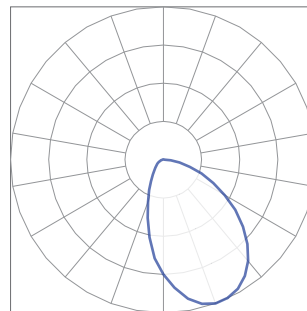
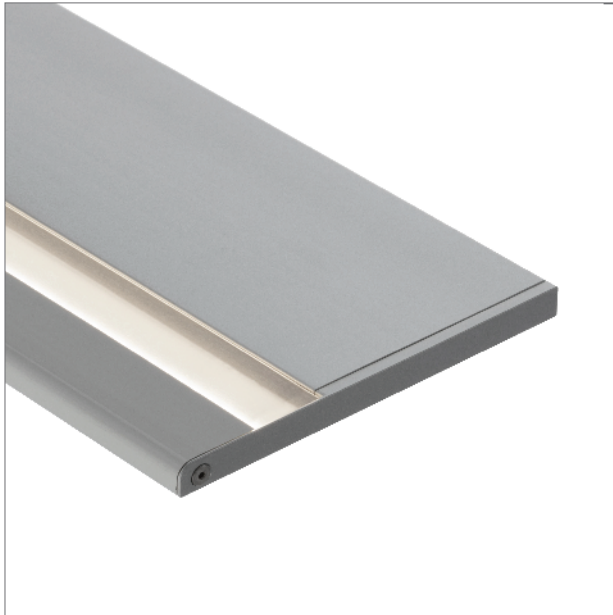


ZipThree™ | 707

707-Z3-4-48-X-X-X-0-Z-SO-35-D1-0-X

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	ZipThree, 48"
LED Type	Zipper Board
Lumen Output	Standard Output
Color Temperature	3500K, 80+ CRI
Optics	Wall Graze Downlight only

Performance Summary

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	83	86	87	89
Total Lumens, 4' rail (1219mm)	2176	2245	2291	2336
Lumens per foot (305 mm)	544	561	573	584
Input Power (W), 4' rail (1219mm)	26.3	26.3	26.3	26.3
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_Z3_SO_35_D1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704240 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z3-48-Z-SO-35-D1
[LUMINAIRE] ZipThree LED, 48", 3500K, 80 CRI, zipper board,
[MORE] wall graze down, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	26.33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.72
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.06 ft
Luminous Width (90-270)	3.96 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	61027	58762	38369
55	55402	53540	34358
65	47263	45241	28686
75	38587	36524	22079
85	30639	26962	14707

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	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04
5	1028.96	1028.96	1027.78	1025.42	1023.06	1019.52	1014.80	1010.08	1004.18	998.28
10	1130.44	1129.26	1126.90	1123.36	1118.64	1112.74	1104.48	1096.22	1085.60	1072.62
15	1194.16	1192.98	1190.62	1187.08	1180.00	1172.92	1163.48	1152.86	1139.88	1124.54
20	1223.66	1222.48	1220.12	1215.40	1210.68	1202.42	1192.98	1181.18	1168.20	1150.50
25	1221.30	1221.30	1218.94	1215.40	1209.50	1202.42	1194.16	1182.36	1169.38	1152.86
30	1191.80	1191.80	1189.44	1185.90	1181.18	1175.28	1167.02	1156.40	1144.60	1130.44
35	1136.34	1136.34	1135.16	1131.62	1128.08	1122.18	1116.28	1106.84	1096.22	1082.06
40	1056.10	1056.10	1054.92	1052.56	1050.20	1045.48	1039.58	1032.50	1023.06	1011.26
45	953.44	953.44	952.26	951.08	948.72	945.18	940.46	934.56	927.48	918.04
50	833.08	833.08	831.90	830.72	828.36	826.00	822.46	817.74	811.84	804.76
55	702.10	702.10	700.92	700.92	698.56	696.20	693.84	689.12	684.40	678.50
60	568.76	568.76	568.76	567.58	566.40	564.04	560.50	558.14	553.42	548.70
65	441.32	440.14	440.14	438.96	437.78	436.60	434.24	430.70	427.16	422.44
70	325.68	324.50	324.50	324.50	323.32	322.14	319.78	317.42	313.88	310.34
75	220.66	220.66	219.48	219.48	218.30	217.12	215.94	213.58	211.22	208.86
80	130.98	130.98	130.98	129.80	129.80	128.62	126.26	125.08	122.72	120.36
85	59.00	59.00	59.00	59.00	57.82	56.64	55.46	54.28	53.10	51.92
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
 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>	<u>95</u>
0	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04
5	991.20	982.94	974.68	965.24	956.98	946.36	936.92	926.30	915.68	905.06
10	1059.64	1044.30	1027.78	1010.08	991.20	971.14	949.90	927.48	905.06	882.64
15	1106.84	1086.78	1064.36	1039.58	1013.62	984.12	953.44	920.40	886.18	851.96
20	1132.80	1109.20	1083.24	1054.92	1023.06	986.48	947.54	906.24	860.22	815.38
25	1133.98	1110.38	1083.24	1051.38	1017.16	975.86	929.84	880.28	824.82	770.54
30	1111.56	1089.14	1063.18	1030.14	994.74	949.90	899.16	843.70	781.16	718.62
35	1066.72	1045.48	1020.70	991.20	954.62	909.78	856.68	797.68	729.24	659.62
40	997.10	979.40	956.98	929.84	895.62	853.14	800.04	738.68	667.88	594.72
45	906.24	890.90	872.02	847.24	817.74	777.62	728.06	667.88	599.44	520.38
50	795.32	782.34	767.00	746.94	720.98	687.94	640.74	585.28	520.38	444.86
55	670.24	660.80	649.00	632.48	611.24	582.92	545.16	495.60	435.42	369.34
60	541.62	533.36	523.92	510.94	494.42	470.82	440.14	397.66	350.46	293.82
65	417.72	410.64	402.38	394.12	379.96	362.26	338.66	306.80	267.86	225.38
70	305.62	299.72	292.64	284.38	274.94	260.78	244.26	221.84	192.34	161.66
75	205.32	200.60	194.70	188.80	181.72	172.28	160.48	145.14	126.26	107.38
80	118.00	115.64	112.10	108.56	103.84	97.94	90.86	81.42	70.80	60.18
85	49.56	48.38	47.20	44.84	42.48	40.12	36.58	33.04	28.32	24.78
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles
 Angles

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04	918.04
5	895.62	883.82	874.38	863.76	854.32	844.88	836.62	828.36	820.10	814.20
10	859.04	835.44	813.02	790.60	768.18	748.12	729.24	711.54	695.02	679.68
15	816.56	781.16	745.76	711.54	677.32	646.64	619.50	593.54	568.76	548.70
20	768.18	718.62	673.78	628.94	586.46	548.70	513.30	482.62	454.30	431.88
25	712.72	654.90	598.26	547.52	496.78	455.48	417.72	385.86	357.54	335.12
30	652.54	584.10	522.74	467.28	414.18	371.70	335.12	303.26	278.48	257.24
35	587.64	513.30	448.40	391.76	339.84	298.54	265.50	236.00	214.76	195.88

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

40	519.20	442.50	377.60	322.14	273.76	237.18	207.68	182.90	164.02	148.68
45	446.04	374.06	312.70	261.96	218.30	186.44	161.66	141.60	126.26	115.64
50	375.24	307.98	252.52	208.86	172.28	145.14	125.08	109.74	99.12	90.86
55	305.62	247.80	199.42	162.84	134.52	113.28	97.94	86.14	77.88	71.98
60	240.72	194.70	155.76	126.26	102.66	87.32	76.70	68.44	62.54	57.82
65	182.90	146.32	116.82	96.76	79.06	67.26	59.00	53.10	48.38	46.02
70	132.16	106.20	84.96	69.62	57.82	49.56	43.66	38.94	36.58	34.22
75	88.50	70.80	57.82	47.20	38.94	34.22	30.68	27.14	24.78	23.60
80	50.74	41.30	33.04	28.32	23.60	20.06	17.70	16.52	15.34	14.16
85	21.24	17.70	14.16	11.80	10.62	9.44	8.26	8.26	7.08	7.08
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>
0	918.04	918.04	918.04	918.04	918.04	918.04	918.04
5	808.30	802.40	798.86	795.32	792.96	791.78	790.60
10	666.70	656.08	646.64	639.56	634.84	631.30	630.12
15	531.00	515.66	503.86	494.42	487.34	483.80	482.62
20	411.82	396.48	383.50	374.06	366.98	362.26	361.08
25	315.06	300.90	287.92	279.66	272.58	269.04	267.86
30	239.54	226.56	215.94	207.68	201.78	199.42	198.24
35	181.72	169.92	161.66	154.58	151.04	147.50	147.50
40	138.06	128.62	121.54	116.82	114.46	112.10	112.10
45	106.20	100.30	95.58	93.22	90.86	89.68	88.50
50	84.96	80.24	77.88	75.52	74.34	73.16	73.16
55	68.44	64.90	63.72	61.36	60.18	60.18	60.18
60	55.46	53.10	51.92	50.74	49.56	49.56	48.38
65	43.66	41.30	40.12	40.12	38.94	38.94	38.94
70	31.86	30.68	29.50	29.50	28.32	28.32	28.32
75	22.42	21.24	20.06	20.06	20.06	18.88	18.88
80	12.98	12.98	12.98	11.80	11.80	11.80	11.80
85	7.08	5.90	5.90	5.90	5.90	5.90	4.72
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_D1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	329.07	N.A.	14.40
0-30	687.10	N.A.	30.10
0-40	1107.02	N.A.	48.50
0-60	1876.78	N.A.	82.20
0-80	2248.94	N.A.	98.50
0-90	2284.33	N.A.	100.00
10-90	2197.86	N.A.	96.20
20-40	777.95	N.A.	34.10
20-50	1196.01	N.A.	52.40
40-70	1013.21	N.A.	44.40
60-80	372.15	N.A.	16.30
70-80	128.71	N.A.	5.60
80-90	35.40	N.A.	1.50
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	2284.33	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	86.47
10-20	242.60
20-30	358.03
30-40	419.92
40-50	418.06
50-60	351.70
60-70	243.45
70-80	128.71
80-90	35.40
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

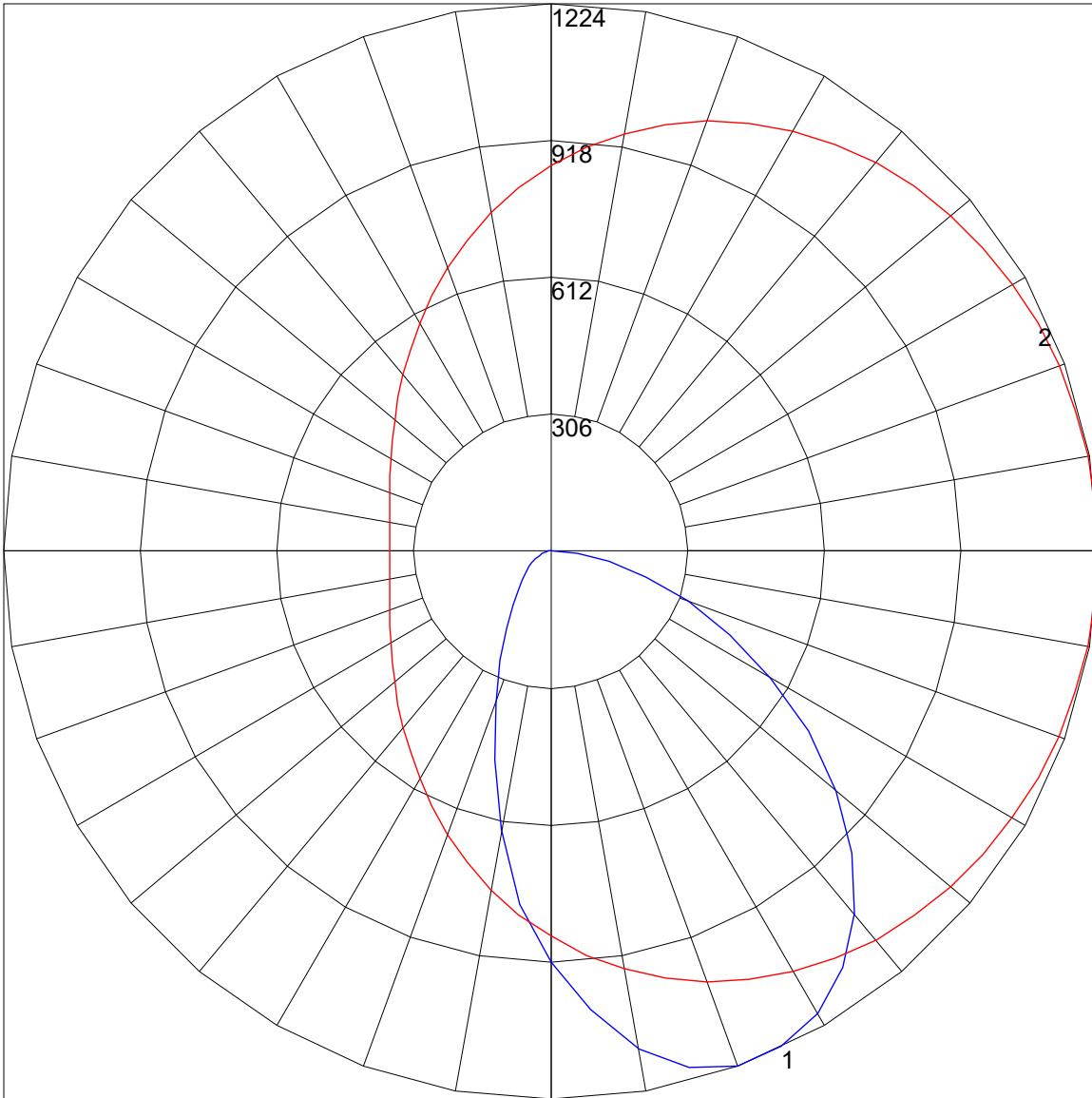
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z3_SO_35_D1.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	50	75	64	55	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	45	39	65	52	44	38	51	43	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1223.66 Located At Horizontal Angle = 0, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (20) (Through Max. Cd.)