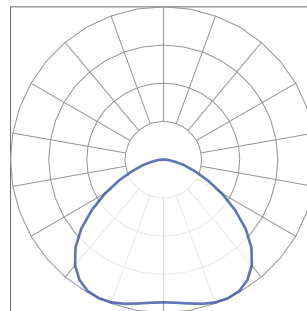


ZipTwo™ | 707

707-Z2-4-48-X-X-X-0-Z-SO-35-S3-0-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	120° Black Symmetric

Performance Summary

	2700K	3000K	3500K	4000K
Color Temperature	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	109	112	114	117
Total Lumens, 4' rail (1219mm)	2826	2915	2974	3034
Lumens per foot (305mm)	706	729	744	758
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_S3-BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L071704230 (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-S3-BL
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
 [MORE] 120° 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	2966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	26.22
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.54
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.48
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 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	41907	37610	26059
55	36253	33502	24352
65	27636	25769	22407
75	19361	17837	16465
85	13129	11318	8602

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_S3-BL.IES

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	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16
5	1023.06	1021.88	1021.88	1021.88	1020.70	1020.70	1019.52	1019.52	1018.34	1017.16
10	1040.76	1039.58	1038.40	1037.22	1034.86	1031.32	1028.96	1024.24	1020.70	1015.98
15	1063.18	1062.00	1059.64	1057.28	1052.56	1045.48	1038.40	1030.14	1021.88	1012.44
20	1080.88	1080.88	1077.34	1072.62	1065.54	1056.10	1045.48	1033.68	1020.70	1005.36
25	1089.14	1087.96	1084.42	1078.52	1070.26	1058.46	1045.48	1028.96	1010.08	990.02
30	1078.52	1077.34	1073.80	1067.90	1058.46	1046.66	1031.32	1012.44	990.02	966.42
35	1044.30	1044.30	1040.76	1034.86	1025.42	1012.44	997.10	978.22	955.80	927.48
40	980.58	979.40	977.04	972.32	965.24	955.80	941.64	922.76	899.16	872.02
45	886.18	886.18	883.82	881.46	876.74	868.48	857.86	841.34	821.28	795.32
50	762.28	762.28	762.28	761.10	758.74	754.02	746.94	735.14	716.26	693.84
55	621.86	621.86	623.04	623.04	621.86	619.50	614.78	606.52	593.54	574.66
60	480.26	480.26	480.26	481.44	481.44	480.26	476.72	470.82	460.20	447.22
65	349.28	349.28	350.46	350.46	350.46	350.46	348.10	343.38	336.30	325.68
70	238.36	238.36	238.36	239.54	239.54	238.36	237.18	233.64	227.74	221.84
75	149.86	149.86	149.86	151.04	149.86	149.86	148.68	146.32	142.78	138.06
80	83.78	83.78	83.78	83.78	82.60	82.60	81.42	79.06	77.88	74.34
85	34.22	34.22	34.22	34.22	34.22	33.04	33.04	31.86	30.68	29.50
90	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>
0	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16	1017.16
5	1015.98	1014.80	1014.80	1013.62	1012.44	1012.44	1012.44	1011.26	1011.26
10	1011.26	1006.54	1003.00	998.28	995.92	992.38	991.20	988.84	988.84
15	1001.82	992.38	982.94	973.50	965.24	959.34	954.62	951.08	949.90
20	988.84	972.32	955.80	940.46	926.30	914.50	906.24	900.34	899.16
25	967.60	945.18	921.58	897.98	877.92	861.40	847.24	840.16	836.62
30	938.10	908.60	879.10	848.42	822.46	800.04	782.34	771.72	768.18
35	895.62	861.40	826.00	791.78	759.92	733.96	712.72	699.74	695.02
40	838.98	802.40	764.64	726.88	692.66	661.98	640.74	626.58	621.86
45	763.46	728.06	689.12	652.54	618.32	590.00	568.76	555.78	551.06
50	665.52	633.66	600.62	567.58	539.26	515.66	497.96	487.34	483.80
55	551.06	525.10	500.32	476.72	455.48	440.14	427.16	420.08	417.72
60	429.52	411.82	395.30	381.14	370.52	362.26	356.36	354.00	352.82
65	315.06	303.26	295.00	287.92	284.38	283.20	282.02	283.20	283.20
70	214.76	208.86	204.14	201.78	200.60	201.78	204.14	205.32	205.32
75	134.52	130.98	128.62	127.44	127.44	127.44	127.44	127.44	127.44
80	71.98	70.80	68.44	68.44	67.26	66.08	64.90	64.90	63.72
85	28.32	27.14	25.96	24.78	24.78	23.60	22.42	22.42	22.42
90	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_S3-BL.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	382.48	N.A.	12.90
0-30	832.58	N.A.	28.10
0-40	1393.18	N.A.	47.00
0-60	2459.85	N.A.	82.90
0-80	2930.09	N.A.	98.80
0-90	2966.25	N.A.	100.00
10-90	2869.23	N.A.	96.70
20-40	1010.7	N.A.	34.10
20-50	1590.63	N.A.	53.60
40-70	1385.78	N.A.	46.70
60-80	470.24	N.A.	15.90
70-80	151.13	N.A.	5.10
80-90	36.16	N.A.	1.20
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	2966.25	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.02
10-20	285.47
20-30	450.10
30-40	560.60
40-50	579.93
50-60	486.73
60-70	319.11
70-80	151.13
80-90	36.16
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

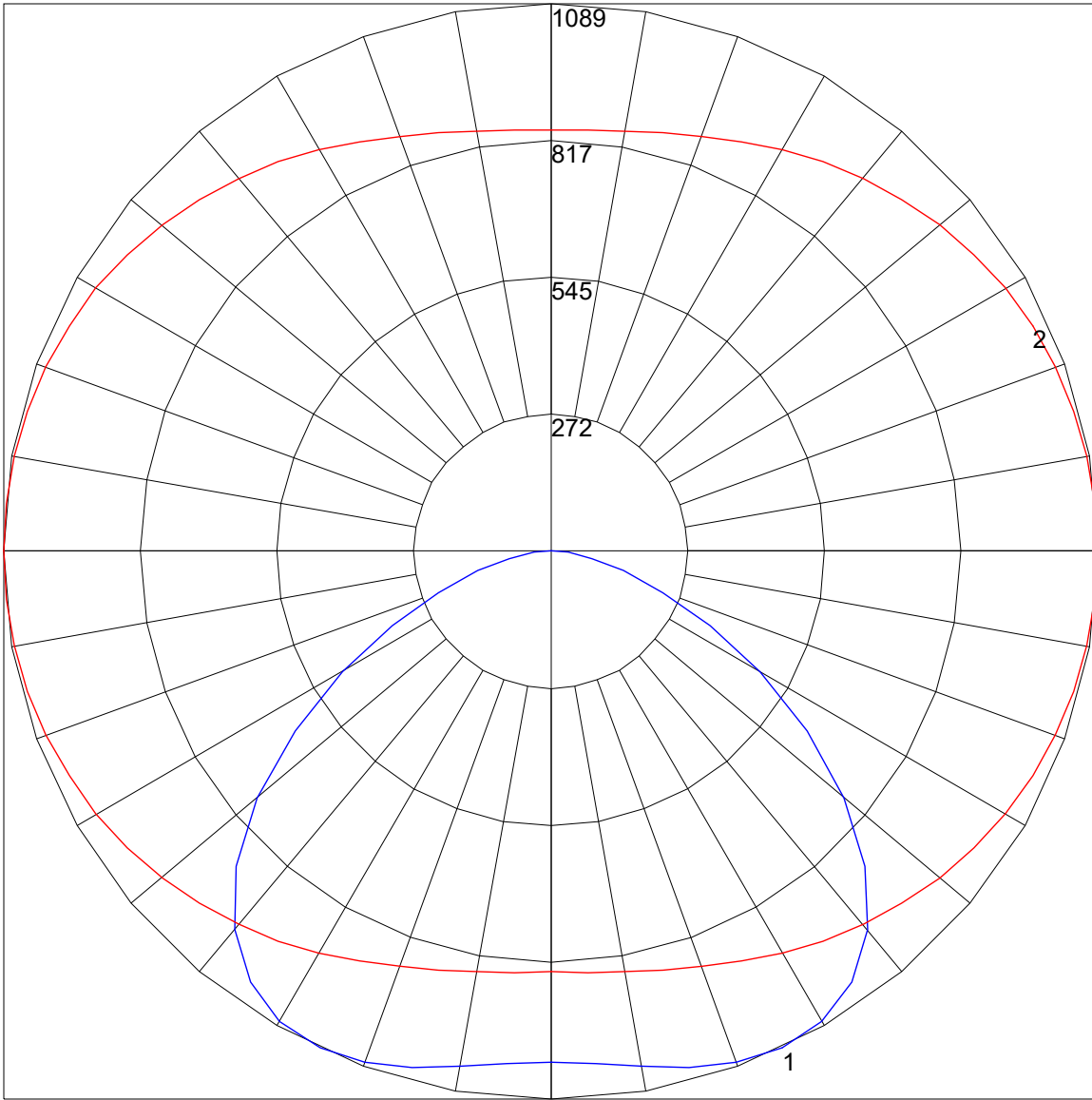
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_S3-BL.IES

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	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	96	98	95	93	95	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	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	33	46	38	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	40	33	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1089.14 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)