

IES Report

ZipTwo® | 707 | 40° Symmetric | 90 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-359-S1-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	53	55	56	57
Total Lumens, 4' rail length (1219mm)	1382	1425	1455	1484
Lumens per foot (305mm)	345	356	364	371
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	95	95	95	95

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_SO_359_S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704223 (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-359-S1-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 40° white 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	1455
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.00
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	27981	48024	84896
55	19652	31116	59331
65	16996	23082	41146
75	15186	18470	29329
85	11960	13447	18721

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CANDELA TABULATION

	0	5	10	15	20	25	30	35	40	45
0.0	992.491	992.491	992.491	992.491	992.491	992.491	992.491	992.491	992.491	992.491
1.0	992.654	992.735	992.695	992.572	992.654	992.654	992.613	992.531	992.613	992.613
3.0	988.676	988.676	988.839	988.839	988.931	989.094	989.227	989.522	989.686	989.859
5.0	979.098	979.057	979.404	979.700	980.077	980.924	981.515	982.240	983.341	984.014
7.0	962.248	962.503	962.972	963.900	964.920	966.317	967.919	969.663	971.519	973.345
9.0	939.206	936.074	936.921	938.451	940.307	942.347	945.397	948.274	951.660	954.710
11.0	910.330	910.666	912.104	914.644	917.694	921.335	925.742	930.403	935.697	940.736
13.0	873.650	874.497	876.445	879.842	884.371	889.828	895.927	902.833	910.248	917.572
15.0	831.902	832.871	835.666	840.031	846.172	853.495	862.012	870.815	880.729	890.593
17.0	783.023	784.217	787.940	793.662	801.618	811.237	822.202	834.442	847.141	859.972
19.5	717.815	719.294	723.955	731.197	741.142	753.770	768.040	783.829	800.557	817.418
22.5	628.881	630.788	636.378	645.313	657.890	673.679	691.468	711.970	733.696	756.014
25.5	536.897	539.019	545.496	555.869	570.527	589.111	610.327	635.021	661.572	688.459
29.0	436.019	438.314	445.006	455.889	471.638	491.416	514.498	541.855	572.220	603.636
33.0	334.468	336.508	343.067	353.399	368.220	387.580	411.121	438.478	470.455	504.247
37.5	243.250	244.943	250.237	259.090	271.453	288.517	309.019	334.132	363.395	396.260
42.5	171.258	172.574	176.552	183.029	192.688	205.693	221.697	241.730	265.863	293.689
47.5	124.593	125.521	128.275	132.937	139.669	148.645	160.293	174.644	192.515	214.078
55.0	84.272	84.701	86.261	88.342	91.851	96.686	102.826	110.874	121.156	133.436
65.0	53.703	53.866	54.458	55.345	56.702	58.528	60.945	63.985	68.014	72.930
75.0	29.386	29.478	29.641	29.937	30.406	30.998	31.722	32.783	34.129	35.741
85.0	7.793	7.793	7.834	7.834	7.915	8.007	8.129	8.303	8.517	8.762
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
0.0	992.491	992.491	992.491	992.491	992.491	992.491	992.491	992.491	992.491
1.0	992.613	992.531	992.613	992.531	992.480	992.654	992.572	992.695	992.399
3.0	990.196	990.410	990.532	990.828	991.083	991.256	991.379	991.297	991.552
5.0	985.034	985.840	986.728	987.401	988.033	988.462	988.890	988.972	989.094
7.0	975.334	977.150	978.894	980.495	981.730	982.831	983.759	984.188	984.351
9.0	958.433	961.483	964.706	967.419	969.959	972.499	974.192	975.202	977.752
11.0	945.948	951.150	955.638	959.708	963.431	966.317	968.266	969.571	970.040
13.0	925.109	932.311	939.043	945.050	949.926	954.159	957.127	958.861	959.453
15.0	900.711	910.289	919.224	927.353	934.045	939.379	943.449	945.775	946.499
17.0	872.722	885.044	896.519	906.984	915.450	922.529	927.568	930.740	931.760
19.5	834.482	850.486	865.011	878.271	889.236	898.090	904.699	908.504	910.156
22.5	778.586	799.802	819.193	836.431	851.078	862.390	870.947	875.854	877.465
25.5	716.030	742.285	766.510	787.981	805.810	820.172	830.586	836.686	838.848
29.0	636.460	668.049	696.976	723.404	744.875	762.613	774.772	781.973	784.298
33.0	540.671	576.575	610.664	641.927	666.947	686.939	700.832	708.829	711.623
37.5	433.061	470.455	507.419	540.835	568.446	590.172	605.543	614.397	617.355
42.5	326.165	360.264	394.903	428.400	455.756	477.309	492.599	501.452	504.206
47.5	238.976	267.005	296.269	325.196	349.462	368.985	383.000	390.833	393.424
55.0	148.645	166.301	184.855	203.612	221.228	235.498	245.789	251.930	254.429
65.0	79.234	86.690	95.115	104.183	112.516	120.013	125.480	128.908	130.009
75.0	37.862	40.402	43.411	46.716	49.847	52.724	54.968	56.365	56.753
85.0	9.109	9.486	9.996	10.547	11.016	11.475	11.863	12.107	12.199
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	326.64	N.A.	22.50
0-30	629.57	N.A.	43.30
0-40	888.80	N.A.	61.10
0-60	1251.28	N.A.	86.00
0-80	1425.65	N.A.	98.00
0-90	1454.55	N.A.	100.00
10-90	1379.04	N.A.	94.80
20-40	562.15	N.A.	38.60
20-50	799.32	N.A.	55.00
40-70	473.99	N.A.	32.60
60-80	174.37	N.A.	12.00
70-80	62.86	N.A.	4.30
80-90	28.90	N.A.	2.00
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	1454.55	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	75.51
10-20	251.13
20-30	302.93
30-40	259.22
40-50	237.16
50-60	125.32
60-70	111.50
70-80	62.86
80-90	28.90
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

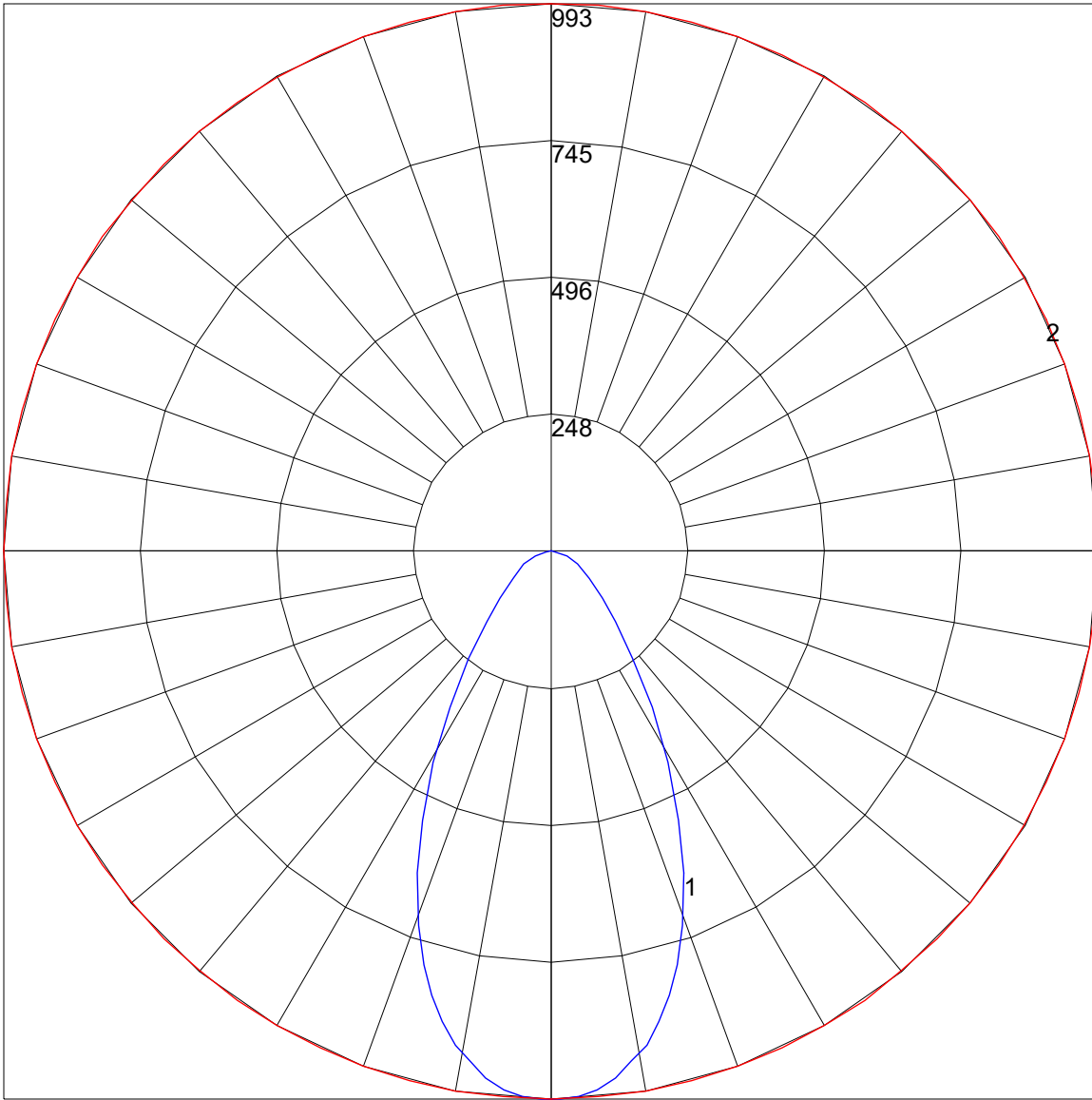
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
1	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	94	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	68	66
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	82	70	63	57	80	69	62	56	67	61	56	66	60	55	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	72	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	45	41	40
9	63	51	44	39	62	51	44	39	50	43	38	49	43	38	48	42	38	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34

POLAR GRAPH



Maximum Candela = 992.735 Located At Horizontal Angle = 5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)