



IES Report

ZipTwo® | 707 | 40° Symmetric | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-S1-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	43	44	45	45
Total Lumens, 4' rail length (1219mm)	1110	1145	1168	1168
Lumens per foot (305mm)	278	286	292	292
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	82	82	82	82

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_35_S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911527 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-S1-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, 40° black symmetric lens,

[MORE] standard output, black anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1168
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.01 ft
Luminous Width (90-270)	3.98 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	37619	67661	117318
55	17863	34399	67104
65	10072	19305	39410
75	6600	12025	24765
85	5143	7983	13557

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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>
0.0	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252
1.0	1061.330	1061.284	1061.330	1061.238	1061.528	1061.330	1061.330	1061.330	1061.377	1061.330
3.0	1055.403	1055.403	1055.298	1055.113	1055.646	1055.786	1056.319	1056.516	1056.760	1057.201
5.0	1037.701	1037.852	1038.038	1038.722	1039.209	1040.427	1041.692	1043.095	1044.464	1045.914
7.0	1010.186	1010.383	1011.253	1012.564	1014.269	1016.218	1018.642	1021.751	1024.767	1027.934
9.0	974.203	974.644	975.908	978.042	981.105	984.562	988.935	993.412	998.273	1003.180
11.0	930.448	931.086	932.779	935.946	940.180	945.226	951.165	957.870	965.410	972.648
13.0	880.962	881.983	884.454	888.293	893.792	900.554	908.280	917.467	926.759	937.164
15.0	825.723	826.894	830.108	834.864	841.626	850.616	860.395	871.763	883.734	896.564
17.0	767.479	767.827	771.957	777.989	786.492	796.456	807.789	821.941	836.720	851.452
19.5	687.068	688.820	693.344	700.582	710.604	722.506	736.902	752.852	770.495	789.264
22.5	590.997	592.853	598.096	606.320	617.886	632.281	649.194	668.114	688.820	710.256
25.5	494.926	497.118	502.709	511.606	524.146	540.340	558.818	580.012	603.246	627.514
29.0	389.725	391.767	397.358	406.545	419.816	436.438	455.845	478.500	503.486	529.598
33.0	285.580	287.425	292.877	301.380	313.734	329.336	348.104	370.179	395.119	421.277
37.5	192.920	194.520	198.940	206.236	216.305	230.109	246.396	265.605	287.181	311.298
42.5	121.058	122.078	125.384	130.593	138.121	148.387	160.637	175.902	193.743	213.092
47.5	75.841	76.572	78.660	82.360	87.557	94.563	103.124	113.958	126.800	141.044
55.0	37.920	38.257	39.382	41.273	44.045	47.746	52.270	58.046	65.099	73.022
65.0	15.753	15.950	16.437	17.214	18.328	19.743	21.680	24.012	26.784	30.195
75.0	6.322	6.368	6.566	6.763	7.238	7.784	8.456	9.338	10.312	11.519
85.0	1.659	1.659	1.659	1.705	1.844	1.891	2.042	2.134	2.378	2.575
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**

	<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>
0.0	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252	1060.252
1.0	1061.528	1061.377	1061.423	1061.377	1061.377	1061.284	1061.238	1061.377	1061.725
3.0	1057.688	1058.071	1058.419	1058.755	1059.138	1059.335	1059.776	1059.915	1059.869
5.0	1047.329	1048.791	1050.055	1051.262	1052.387	1053.060	1053.744	1054.324	1054.718
7.0	1030.706	1034.059	1037.017	1039.163	1041.054	1043.385	1044.510	1045.288	1045.775
9.0	1008.817	1013.736	1018.260	1022.679	1026.612	1029.674	1032.307	1033.769	1033.711
11.0	980.919	988.204	994.920	1001.184	1007.263	1011.938	1015.487	1017.378	1018.642
13.0	947.906	957.383	966.767	976.732	983.877	990.640	995.790	998.516	999.201
15.0	909.591	922.861	934.972	946.305	956.269	964.575	970.270	974.261	976.546
17.0	867.436	882.609	898.211	912.317	924.369	934.879	942.222	947.221	949.124
19.5	808.323	826.894	844.689	862.483	878.039	890.636	900.844	906.528	908.477
22.5	733.306	755.380	776.864	798.254	816.292	830.978	842.740	850.477	852.275
25.5	653.080	678.171	702.241	726.404	746.820	763.547	777.212	786.248	789.554
29.0	557.264	585.359	611.714	636.794	659.066	678.948	693.054	702.334	706.521
33.0	449.477	477.862	504.948	531.930	554.004	574.038	589.837	598.583	600.822
37.5	338.233	364.298	390.108	415.686	437.517	455.799	469.649	478.546	482.780
42.5	234.680	256.360	278.771	300.405	319.278	335.275	347.664	355.354	358.417
47.5	157.331	174.104	191.307	208.278	222.766	236.141	246.245	252.671	255.629
55.0	82.116	92.034	102.289	112.891	122.276	130.732	137.298	141.427	142.448
65.0	33.988	38.315	42.781	47.502	51.922	55.761	59.067	61.062	61.642
75.0	13.027	14.535	16.240	18.038	19.685	21.298	22.516	23.293	23.722
85.0	2.819	3.062	3.306	3.596	3.793	3.990	4.234	4.280	4.373
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	333.73	N.A.	28.60
0-30	616.11	N.A.	52.70
0-40	833.54	N.A.	71.30
0-60	1079.52	N.A.	92.40
0-80	1159.09	N.A.	99.20
0-90	1168.48	N.A.	100.00
10-90	1088.49	N.A.	93.20
20-40	499.81	N.A.	42.80
20-50	670.48	N.A.	57.40
40-70	301.04	N.A.	25.80
60-80	79.57	N.A.	6.80
70-80	24.51	N.A.	2.10
80-90	9.39	N.A.	0.80
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	1168.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	79.99
10-20	253.74
20-30	282.38
30-40	217.43
40-50	170.67
50-60	75.31
60-70	55.06
70-80	24.51
80-90	9.39
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

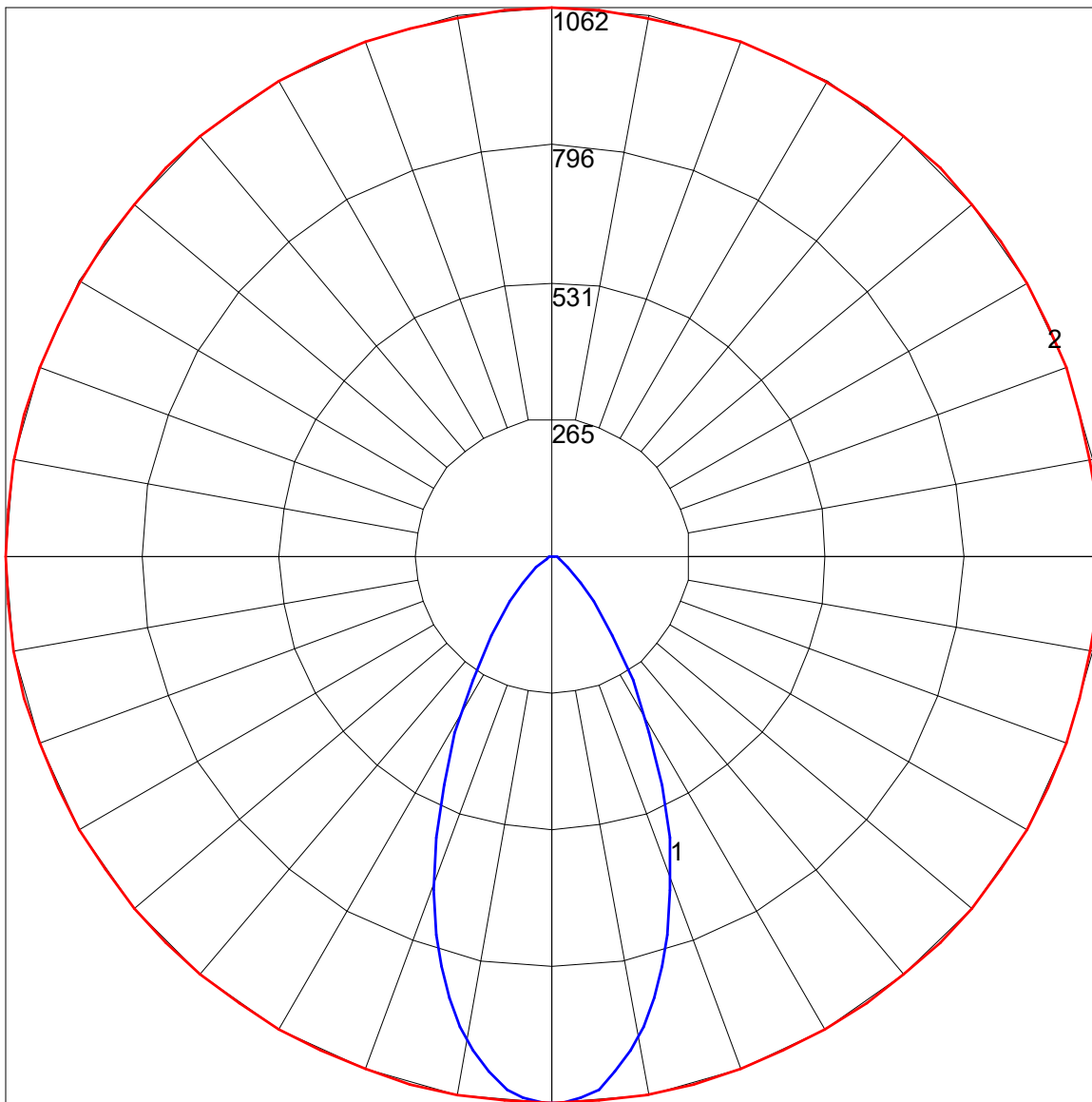
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	83	78	96	88	82	78	85	81	77	83	79	75	80	77	74	72
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	70	67	65
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	72	60	53	49	70	60	53	48	59	53	48	57	52	48	56	51	48	46
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

POLAR GRAPH



Maximum Candela = 1061.725 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)