

IES Report

ZipTwo® | 707 | Square 3519, Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-F6-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	137	141	144	144
Total Lumens, 4' rail length (1219mm)	3557	3670	3744	3744
Lumens per foot (305mm)	889	917	936	936
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_F6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011211 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-F6-WH

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,

[MORE] square 3519, diffuse lens, standard output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3744
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	26.18
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14451	14856	17674
55	13509	13716	16915
65	12545	12449	16033
75	11378	10997	15068
85	10034	9333	14831

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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	941.410	941.410	941.410	941.410	941.410	941.410	941.410	941.410	941.410	941.410
5	940.656	940.516	940.609	940.366	940.319	940.273	939.878	939.786	939.693	939.449
10	937.257	937.164	937.303	936.816	936.236	935.749	935.064	934.194	933.324	932.350
15	926.272	925.982	925.448	925.100	924.184	923.302	922.084	920.576	919.022	917.270
20	906.818	906.575	905.995	905.264	904.150	902.642	900.844	898.698	896.471	894.082
25	880.278	880.034	879.303	878.143	876.577	874.443	871.960	869.246	866.079	862.680
30	847.798	847.415	846.533	845.176	842.984	840.072	836.963	833.170	829.133	824.609
35	810.074	809.494	808.323	806.374	803.706	800.296	796.270	791.793	786.642	781.190
40	767.676	767.386	765.878	763.257	759.951	755.578	750.706	745.022	738.804	732.238
45	722.170	721.392	719.594	716.532	712.252	707.008	701.023	694.318	686.824	679.099
50	673.264	672.290	670.155	666.501	661.502	655.365	648.127	640.204	631.353	622.456
55	621.632	620.855	618.280	613.895	608.060	601.019	592.656	583.654	573.690	563.482
60	567.472	566.451	563.679	558.865	552.160	544.179	534.748	524.343	512.917	501.642
65	510.098	509.031	505.772	500.714	493.371	484.474	474.510	463.037	450.590	438.248
70	449.616	448.502	445.243	439.698	432.216	422.878	412.276	400.223	387.440	374.413
75	387.684	386.616	383.357	377.858	370.179	360.748	350.053	337.560	324.232	310.718
80	324.962	323.744	320.589	315.334	307.702	298.514	287.912	275.616	262.241	248.681
85	265.362	264.341	261.371	256.221	248.971	240.074	229.622	217.616	204.346	190.832
90	209.055	208.139	205.169	200.355	193.349	184.753	174.592	162.725	149.652	136.126
95	187.468	186.644	184.022	179.591	173.327	165.497	156.206	145.325	133.261	120.814
100	180.960	180.125	177.608	173.617	167.736	160.440	151.693	141.532	130.198	118.332
105	175.415	174.592	172.306	168.362	162.771	155.776	147.552	137.831	127.136	115.617
110	169.000	168.223	166.031	162.330	157.041	150.429	142.552	133.365	123.204	112.160
115	161.704	160.973	158.885	155.486	150.278	144.107	136.671	127.960	118.390	108.228
120	153.433	152.760	150.765	147.459	142.889	136.857	129.908	121.835	112.938	103.217
125	144.002	143.376	141.532	138.469	134.189	128.690	122.276	114.782	106.430	97.382
130	133.597	133.017	131.312	128.551	124.607	119.550	113.622	106.616	98.113	87.905
135	122.032	121.591	120.037	117.462	113.819	109.098	103.553	95.050	86.292	77.940
140	109.388	108.854	107.544	105.305	102.103	97.916	90.190	82.604	75.307	68.115
145	96.756	96.361	95.248	93.345	90.144	83.230	76.815	70.783	65.053	59.798
150	83.717	83.288	82.314	80.458	74.576	69.229	64.566	60.088	56.736	52.989
155	70.493	70.110	69.182	65.296	60.332	56.492	53.430	51.388	48.279	44.289
160	56.295	56.005	54.068	49.393	46.330	43.860	42.491	40.252	36.900	33.640
165	39.765	39.336	35.682	34.034	32.770	32.677	31.598	29.603	27.620	25.961
170	27.132	24.801	23.339	22.759	23.722	23.676	23.142	22.516	21.738	20.810
175	16.727	15.509	15.950	17.017	17.214	17.064	16.820	16.774	16.530	16.240
180	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	941.410	941.410	941.410	941.410	941.410	941.410	941.410	941.410	941.410
5	939.206	939.159	938.858	938.614	938.568	938.718	938.568	938.370	938.521
10	931.329	929.960	928.893	927.872	927.188	926.515	926.167	925.831	926.074
15	915.472	913.430	911.586	909.498	907.352	905.612	904.440	904.046	903.710
20	891.066	888.398	885.625	882.563	879.640	876.774	874.199	873.132	872.796
25	858.980	855.187	851.208	847.310	843.517	839.631	835.884	833.796	833.216
30	819.842	815.178	810.318	805.307	800.597	795.679	791.155	787.802	787.025
35	775.553	769.521	763.547	757.271	751.344	745.509	740.115	735.347	734.129
40	725.093	717.994	710.987	703.505	696.650	689.840	683.379	677.730	676.083
45	670.828	662.372	654.159	645.644	637.814	629.845	622.502	615.995	613.362
50	612.932	603.200	594.013	584.536	575.441	566.741	558.714	551.186	547.636
55	552.543	541.801	531.396	520.701	510.586	500.958	491.863	483.697	479.184
60	489.682	477.723	466.343	454.720	443.538	432.947	423.075	414.224	408.877

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CANDELA TABULATION - (Cont.)

65	425.314	412.380	400.026	387.730	376.107	364.495	354.276	344.601	338.186
70	360.644	347.037	333.906	320.485	307.945	296.078	285.000	274.978	267.403
75	296.519	282.321	268.563	254.759	241.686	229.181	217.662	207.408	199.137
80	234.146	219.797	205.552	191.609	178.431	165.636	153.781	143.132	133.794
85	176.436	161.901	147.749	133.365	119.898	106.372	94.412	83.230	73.219
90	121.545	106.917	92.429	77.546	63.255	49.451	36.702	25.334	14.778
95	107.254	93.542	80.028	66.027	52.606	39.521	27.272	16.089	6.032
100	105.699	92.324	79.205	65.540	52.362	39.521	27.330	15.602	6.519
105	103.460	90.677	77.940	64.716	51.875	38.941	26.402	15.358	7.099
110	100.595	88.288	76.084	63.348	50.564	37.781	26.158	14.245	7.586
115	97.046	85.469	73.556	60.819	48.766	36.656	25.578	13.375	8.271
120	92.719	81.722	70.064	58.290	46.574	35.542	23.142	12.493	8.654
125	86.930	75.655	64.612	53.093	42.885	32.526	21.054	11.623	9.141
130	77.836	68.022	58.000	48.326	39.428	28.826	19.349	11.380	9.628
135	69.182	60.575	52.316	43.952	35.299	25.474	17.307	11.090	10.115
140	61.016	54.253	47.015	39.046	29.905	22.655	16.043	11.032	10.498
145	54.845	48.813	40.936	32.526	26.112	19.639	15.022	11.032	10.788
150	48.128	41.087	34.034	28.640	22.945	18.769	14.686	11.913	11.670
155	38.210	33.304	29.313	24.604	21.100	17.702	14.338	12.737	12.644
160	30.636	26.935	24.116	21.738	19.256	16.286	14.001	13.375	13.317
165	24.256	22.655	20.950	19.012	16.971	15.126	14.152	13.908	13.908
170	19.882	18.769	17.551	16.379	15.358	14.778	14.581	14.639	14.686
175	15.950	15.753	15.416	15.173	15.068	15.068	15.173	15.173	15.173
180	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	348.06	N.A.	9.30
0-30	744.63	N.A.	19.90
0-40	1231.3	N.A.	32.90
0-60	2252.28	N.A.	60.20
0-80	3004.75	N.A.	80.20
0-90	3205.78	N.A.	85.60
10-90	3116.35	N.A.	83.20
20-40	883.24	N.A.	23.60
20-50	1404.21	N.A.	37.50
40-70	1450.67	N.A.	38.70
60-80	752.47	N.A.	20.10
70-80	322.78	N.A.	8.60
80-90	201.03	N.A.	5.40
90-110	238.94	N.A.	6.40
90-120	337.35	N.A.	9.00
90-130	416.57	N.A.	11.10
90-150	509.95	N.A.	13.60
90-180	538.48	N.A.	14.40
110-180	299.54	N.A.	8.00
0-180	3744.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.43
10-20	258.63
20-30	396.57
30-40	486.67
40-50	520.97
50-60	500.01
60-70	429.69
70-80	322.78
80-90	201.03
90-100	126.10
100-110	112.84
110-120	98.42
120-130	79.22
130-140	57.11
140-150	36.26
150-160	19.46
160-170	7.60
170-180	1.48

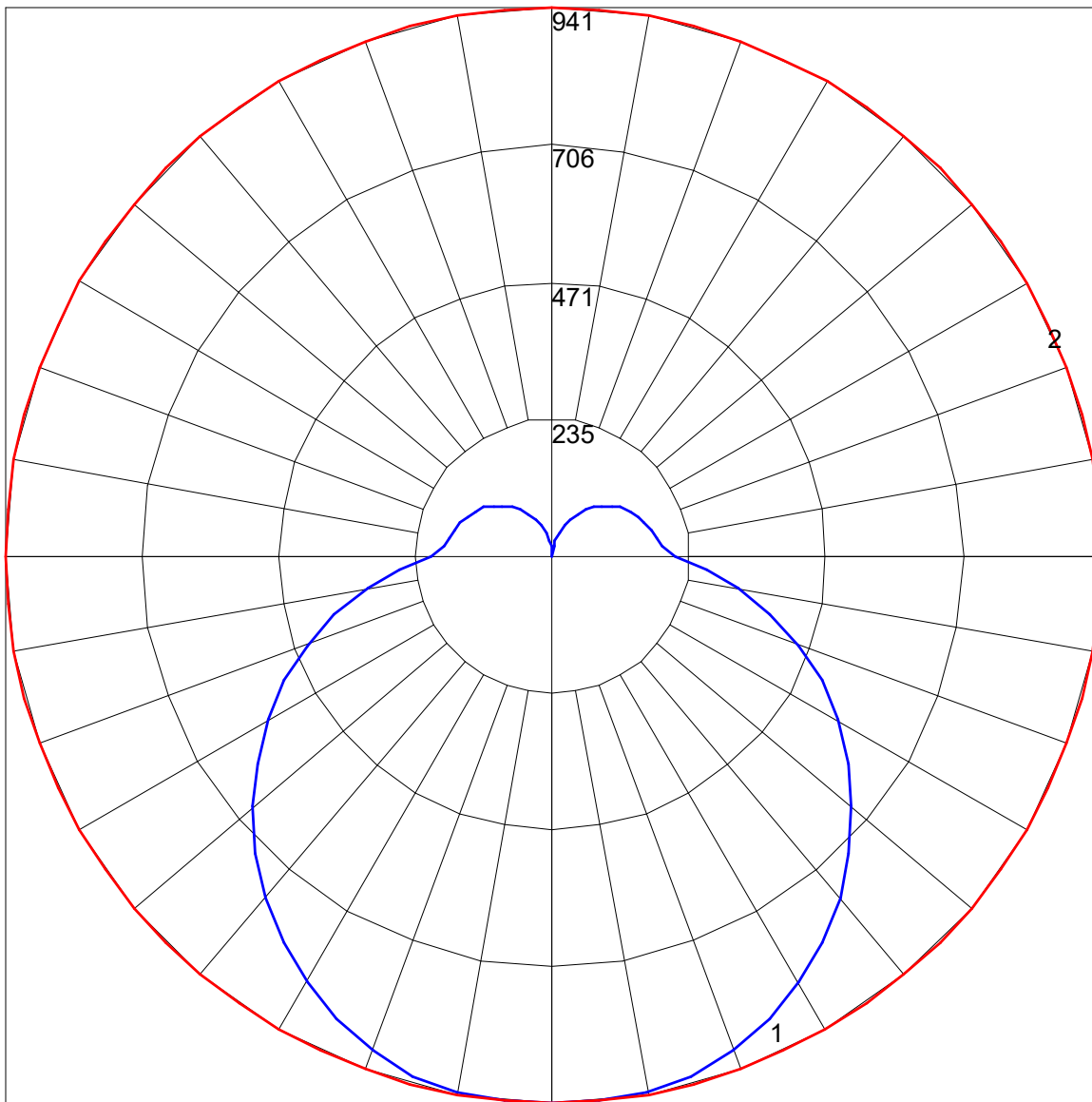
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	103	98	93	88	99	94	90	86	87	84	80	81	78	75	75	73	71	67
2	93	84	77	70	89	81	74	68	75	70	65	70	65	61	65	61	58	55
3	85	73	65	58	81	71	63	56	66	59	53	61	55	51	56	52	48	45
4	77	65	55	48	74	62	54	47	58	51	45	54	48	43	50	45	41	38
5	71	57	48	41	68	55	47	40	52	44	39	48	42	37	45	39	35	33
6	65	51	42	36	62	50	41	35	46	39	33	43	37	32	41	35	31	28
7	60	46	38	31	58	45	37	31	42	35	29	39	33	28	37	31	27	25
8	56	42	34	28	54	41	33	27	38	31	26	36	30	25	34	28	24	22
9	52	39	30	25	50	38	30	24	35	28	23	33	27	23	31	26	22	20
10	49	36	28	22	47	35	27	22	33	26	21	31	25	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 941.41 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)