

IES Report

ZipTwo® | 707 | Square 3554, Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-J6-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	148	152	155	155
Total Lumens, 4' rail length (1219mm)	3842	3964	4045	4045
Lumens per foot (305mm)	961	991	1011	1011
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_J6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011206 (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-J6-WH

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

[MORE] square 3554, 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	4045
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	155
Total Luminaire Watts	26.17
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.04
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.84
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.18 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8538	8002	8676
55	8401	7741	8226
65	8052	7398	7763
75	7514	6980	7298
85	6926	6593	7298

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_J6_WH.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	482.328	482.328	482.328	482.328	482.328	482.328	482.328	482.328	482.328	482.328
5	492.408	492.408	492.107	491.678	490.993	490.262	489.392	488.418	487.293	486.179
10	525.561	525.318	524.540	523.125	521.037	518.462	515.492	511.943	507.964	503.591
15	557.937	557.508	556.092	553.761	550.304	546.082	541.024	535.143	528.531	521.571
20	588.572	587.888	585.754	582.390	577.390	571.265	564.120	555.362	545.838	535.479
25	617.445	616.331	613.466	608.896	602.179	593.874	583.898	572.332	559.596	546.128
30	643.707	642.385	638.742	632.664	624.161	613.756	601.066	586.380	570.140	553.181
35	666.455	664.854	660.237	652.894	642.338	629.358	614.336	596.402	576.752	556.290
40	684.446	682.602	677.301	668.647	656.247	640.935	623.094	602.284	579.188	555.512
45	696.116	693.970	687.950	677.974	663.972	646.572	626.342	603.014	576.903	550.165
50	699.515	697.276	690.710	680.120	664.564	645.505	623.384	597.713	569.514	539.957
55	693.784	691.546	684.736	673.403	657.314	636.794	613.605	586.183	556.092	524.691
60	678.217	676.083	669.030	657.418	641.120	620.264	596.252	568.006	536.744	504.217
65	653.138	650.853	644.136	632.664	616.621	595.962	572.089	543.599	511.943	478.941
70	619.486	617.398	610.891	600.184	584.872	564.746	541.314	513.358	482.189	449.372
75	580.012	578.016	572.042	561.927	547.346	528.334	505.876	479.126	448.839	416.904
80	536.349	534.458	529.064	519.726	506.108	488.418	467.364	442.030	413.250	383.693
85	491.144	489.578	484.288	475.681	463.037	446.994	427.158	403.332	378.589	348.835
90	449.430	447.922	443.108	435.186	423.899	408.680	390.352	369.646	344.601	316.402
95	420.744	419.375	415.292	408.100	397.741	384.958	368.335	347.617	323.744	297.784
100	399.736	398.576	394.922	388.507	379.517	366.873	351.260	332.352	309.650	285.383
105	382.522	381.362	377.719	371.397	362.152	350.192	335.170	317.330	296.960	273.725
110	362.790	361.618	358.220	352.141	343.580	331.969	317.968	301.194	281.648	260.060
115	342.664	341.539	338.233	332.642	324.475	313.583	300.405	284.316	266.034	245.375
120	321.854	320.833	317.817	312.516	304.639	294.280	281.892	266.765	249.261	230.260
125	300.266	299.292	296.380	291.322	283.829	274.154	262.589	248.530	232.104	214.310
130	277.507	276.486	273.667	268.958	261.951	253.100	242.312	229.088	213.869	194.718
135	253.298	252.474	249.899	245.468	238.914	230.747	220.528	206.434	188.442	170.508
140	228.021	227.093	224.715	220.528	214.646	206.816	193.743	177.654	162.145	146.926
145	201.179	200.402	198.116	194.370	188.976	177.410	163.305	150.232	137.448	125.141
150	173.176	172.399	170.450	167.144	157.957	145.464	134.525	124.364	115.617	107.544
155	144.304	143.712	141.914	136.323	124.468	115.374	107.451	102.347	96.408	89.123
160	114.353	113.866	111.673	100.688	92.765	86.687	83.822	80.121	74.530	66.758
165	81.966	81.432	73.416	67.234	63.058	62.431	60.436	56.979	51.295	46.922
170	50.657	46.040	40.066	37.781	38.941	39.336	38.025	36.169	34.278	31.888
175	24.986	19.500	19.592	21.634	22.458	22.168	21.785	21.344	20.567	19.743
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	482.328	482.328	482.328	482.328	482.328	482.328	482.328	482.328	482.328
5	485.112	484.091	483.070	482.096	481.412	480.785	480.344	480.205	480.344
10	498.870	494.056	489.149	484.381	480.542	477.479	474.950	473.732	473.640
15	513.648	505.331	496.979	487.884	479.370	471.494	465.902	462.411	461.390
20	524.343	512.778	500.958	488.464	475.971	463.524	452.922	446.658	444.756
25	531.199	516.084	500.668	484.532	468.536	452.249	437.076	427.008	423.760
30	534.748	515.643	496.584	476.551	457.249	437.459	418.888	404.260	399.156
35	533.925	511.363	488.615	464.986	442.424	419.236	397.694	378.682	371.826
40	529.981	503.440	477.282	450.150	424.003	398.472	374.065	351.213	341.782
45	521.037	491.620	461.819	432.019	402.903	374.842	347.617	322.480	309.987
50	508.103	475.484	443.445	410.582	379.564	348.928	319.418	292.239	276.637
55	490.703	456.332	421.231	386.756	353.603	320.972	289.814	261.081	242.800
60	468.872	432.993	396.581	361.236	325.786	291.566	259.132	229.135	208.185

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_J6_WH.IES

CANDELA TABULATION - (Cont.)

65	442.424	406.499	369.646	332.595	296.229	260.930	227.441	196.469	173.954
70	412.867	377.174	339.741	302.354	265.988	229.668	195.158	164.140	139.734
75	381.454	345.819	308.722	271.336	234.239	199.044	164.082	132.484	106.674
80	349.520	314.116	278.238	241.779	205.018	168.850	134.676	103.020	75.655
85	316.703	282.622	247.219	209.983	174.684	138.852	105.166	74.043	46.574
90	285.047	252.033	217.616	181.296	146.288	111.476	77.639	46.481	19.152
95	267.937	237.452	204.775	171.819	137.982	104.574	72.048	41.806	14.581
100	258.552	228.891	197.873	164.917	132.971	100.352	69.762	39.046	14.291
105	247.614	219.797	190.391	158.839	128.203	97.428	65.923	36.320	13.804
110	235.550	209.252	181.447	151.589	122.519	92.858	62.965	33.454	14.198
115	222.233	197.977	171.332	143.666	116.000	88.241	59.172	30.195	14.001
120	208.812	184.997	160.927	135.592	109.144	82.453	54.253	26.297	13.711
125	194.277	171.576	147.749	122.566	98.310	72.639	46.864	23.142	13.618
130	173.756	151.832	130.442	108.321	86.292	62.768	39.869	20.033	13.317
135	151.740	133.168	114.248	94.366	74.681	53.534	33.396	17.887	12.934
140	131.022	115.269	99.226	81.003	62.860	45.020	28.049	16.286	12.540
145	113.471	101.129	83.868	67.141	52.165	36.412	23.873	14.778	12.250
150	97.718	83.474	69.229	56.109	42.885	31.413	21.785	14.338	12.447
155	77.500	66.364	56.689	45.310	35.786	27.422	19.639	14.198	12.540
160	59.369	51.144	43.222	36.030	29.510	23.096	17.214	13.560	12.250
165	42.352	37.723	33.211	28.049	23.583	18.862	15.219	12.934	11.960
170	29.313	26.935	24.256	21.390	18.131	15.660	13.804	12.690	12.157
175	18.618	17.458	16.089	14.883	14.001	13.178	12.598	12.250	12.157
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_J6_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	193.18	N.A.	4.80
0-30	440.71	N.A.	10.90
0-40	780.38	N.A.	19.30
0-60	1642.45	N.A.	40.60
0-80	2504.87	N.A.	61.90
0-90	2853.16	N.A.	70.50
10-90	2806.26	N.A.	69.40
20-40	587.20	N.A.	14.50
20-50	998.48	N.A.	24.70
40-70	1312.5	N.A.	32.50
60-80	862.43	N.A.	21.30
70-80	411.99	N.A.	10.20
80-90	348.29	N.A.	8.60
90-110	552.48	N.A.	13.70
90-120	770.47	N.A.	19.00
90-130	941.58	N.A.	23.30
90-150	1137.58	N.A.	28.10
90-180	1191.39	N.A.	29.50
110-180	638.91	N.A.	15.80
0-180	4044.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.91
10-20	146.27
20-30	247.53
30-40	339.67
40-50	411.27
50-60	450.79
60-70	450.43
70-80	411.99
80-90	348.29
90-100	293.65
100-110	258.82
110-120	217.99
120-130	171.11
130-140	121.05
140-150	74.95
150-160	38.39
160-170	13.49
170-180	1.93

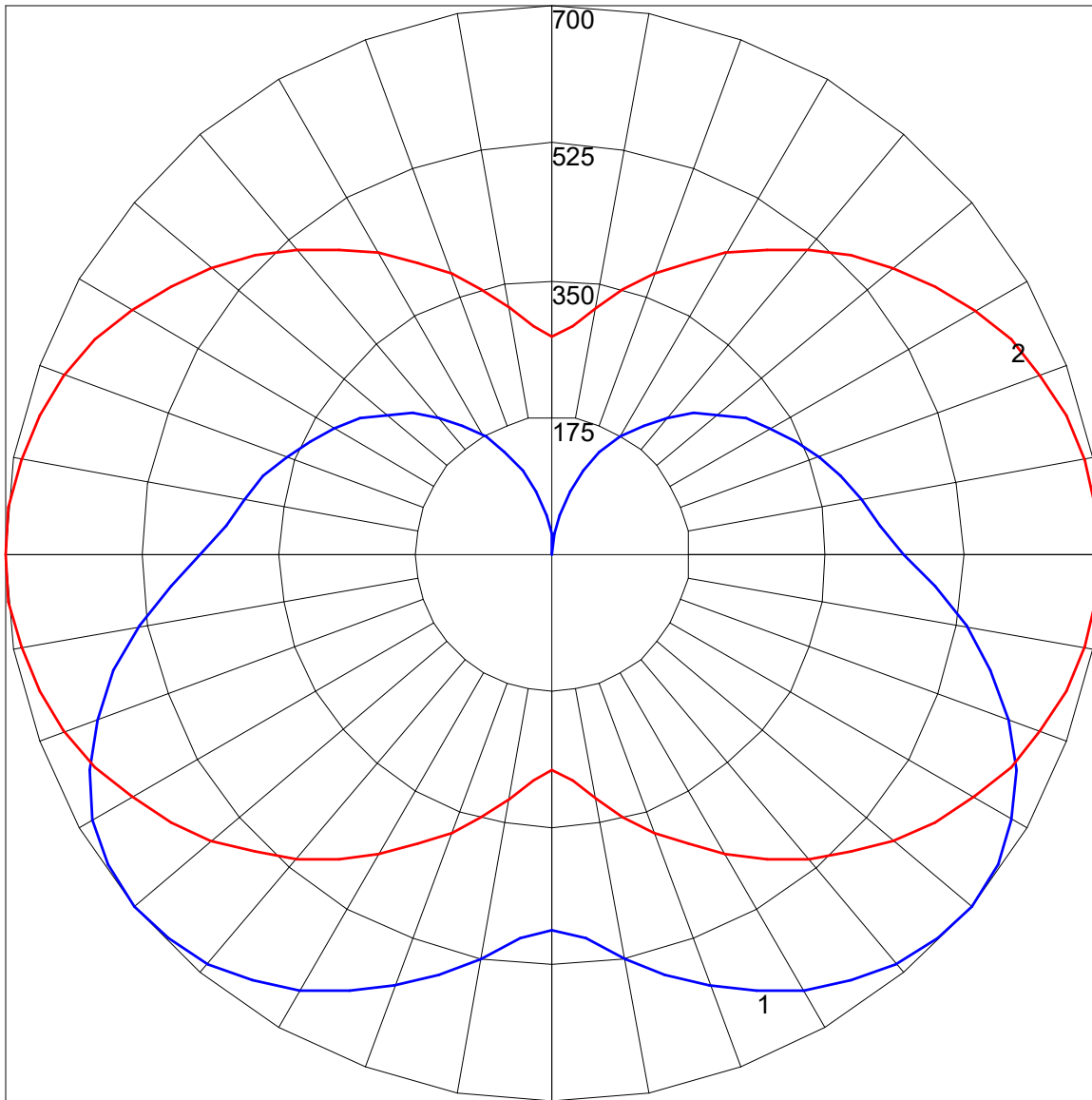
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_35_J6_WH.IES

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	112	112	112	112	106	106	106	106	95	95	95	84	84	84	75	75	75	71
1	98	92	86	81	92	87	82	77	77	73	69	68	65	62	60	57	55	51
2	88	78	70	63	82	73	66	60	65	59	54	57	52	48	50	46	43	39
3	79	67	58	50	74	63	55	48	56	49	43	49	43	39	43	38	34	31
4	71	58	49	41	67	55	46	39	49	41	36	43	37	32	37	32	28	25
5	65	51	42	35	61	48	40	33	43	36	30	38	32	27	33	28	24	21
6	60	46	36	29	56	43	34	28	38	31	26	34	28	23	30	25	21	18
7	55	41	32	25	52	39	30	24	35	27	22	31	24	20	27	22	18	15
8	51	37	28	22	48	35	27	21	31	24	19	28	22	18	24	19	16	13
9	48	34	25	20	45	32	24	19	29	22	17	25	20	16	22	18	14	12
10	44	31	23	17	42	29	22	17	26	20	15	23	18	14	21	16	12	10

POLAR GRAPH



Maximum Candela = 699.515 Located At Horizontal Angle = 0, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (50) (Through Max. Cd.)