

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	135	140	143	143
Total Lumens, 4' rail length (1219mm)	5336	5504	5617	5617
Lumens per foot (305mm)	1334	1376	1404	1404
Input Power (W), 4' rail length (1219mm)	39.6	39.6	39.6	39.6
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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_HO_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-HO-35-F6-WH

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

[MORE] square 3519, diffuse lens, high output

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5616
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	39.55
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	21677	22283	26510
55	20263	20574	25372
65	18817	18674	24050
75	17067	16496	22602
85	15050	14000	22246

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_HO_35_F6_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	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114
5	1410.983	1410.775	1410.914	1410.548	1410.479	1410.409	1409.818	1409.678	1409.539	1409.174
10	1405.885	1405.746	1405.955	1405.224	1404.354	1403.623	1402.597	1401.292	1399.987	1398.525
15	1389.407	1388.972	1388.172	1387.650	1386.275	1384.953	1383.126	1380.864	1378.532	1375.905
20	1360.228	1359.862	1358.992	1357.896	1356.226	1353.964	1351.267	1348.048	1344.707	1341.122
25	1320.416	1320.051	1318.955	1317.215	1314.866	1311.664	1307.941	1303.869	1299.119	1294.021
30	1271.696	1271.122	1269.800	1267.764	1264.475	1260.108	1255.445	1249.755	1243.700	1236.914
35	1215.112	1214.242	1212.484	1209.561	1205.559	1200.443	1194.406	1187.689	1179.964	1171.786
40	1151.515	1151.080	1148.818	1144.885	1139.926	1133.366	1126.058	1117.532	1108.206	1098.358
45	1083.254	1082.089	1079.392	1074.798	1068.377	1060.513	1051.534	1041.477	1030.237	1018.648
50	1009.896	1008.434	1005.233	999.752	992.252	983.048	972.190	960.306	947.030	933.684
55	932.449	931.283	927.420	920.843	912.091	901.529	888.983	875.481	860.534	845.222
60	851.208	849.677	845.518	838.297	828.240	816.269	802.123	786.515	769.376	752.463
65	765.148	763.547	758.657	751.071	740.057	726.711	711.764	694.556	675.886	657.372
70	674.424	672.754	667.864	659.547	648.324	634.317	618.413	600.335	581.160	561.620
75	581.525	579.925	575.035	566.788	555.269	541.123	525.080	506.340	486.347	466.076
80	487.444	485.617	480.884	473.002	461.552	447.772	431.868	413.424	393.362	373.021
85	398.042	396.511	392.057	384.331	373.456	360.110	344.433	326.424	306.518	286.247
90	313.583	312.208	307.754	300.533	290.023	277.130	261.887	244.087	224.477	204.189
95	281.201	279.966	276.034	269.387	259.991	248.246	234.308	217.987	199.891	181.221
100	271.440	270.187	266.411	260.426	251.604	240.659	227.540	212.297	195.298	177.497
105	263.123	261.887	258.460	252.544	244.157	233.665	221.328	206.747	190.704	173.426
110	253.501	252.335	249.046	243.496	235.561	225.643	213.829	200.048	184.805	168.241
115	242.556	241.460	238.328	233.230	225.417	216.160	205.007	191.939	177.584	162.342
120	230.150	229.141	226.148	221.189	214.333	205.285	194.863	182.752	169.406	154.825
125	216.004	215.064	212.297	207.704	201.283	193.036	183.413	172.173	159.645	146.073
130	200.396	199.526	196.968	192.827	186.911	179.324	170.433	159.923	147.169	131.857
135	183.048	182.387	180.055	176.192	170.729	163.647	155.330	142.576	129.439	116.911
140	164.082	163.282	161.315	157.957	153.155	146.873	135.285	123.905	112.961	102.173
145	145.133	144.542	142.871	140.018	135.215	124.845	115.223	106.175	97.579	89.697
150	125.576	124.932	123.470	120.686	111.865	103.843	96.848	90.132	85.103	79.483
155	105.740	105.166	103.774	97.945	90.497	84.738	80.144	77.082	72.419	66.433
160	84.442	84.007	81.101	74.089	69.496	65.789	63.736	60.378	55.349	50.460
165	59.647	59.003	53.522	51.052	49.155	49.016	47.398	44.405	41.429	38.941
170	40.699	37.201	35.009	34.139	35.583	35.513	34.713	33.773	32.608	31.216
175	25.091	23.264	23.925	25.526	25.822	25.595	25.230	25.160	24.795	24.360
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	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114	1412.114
5	1408.808	1408.739	1408.286	1407.921	1407.851	1408.078	1407.851	1407.556	1407.782
10	1396.994	1394.941	1393.340	1391.809	1390.782	1389.773	1389.251	1388.746	1389.112
15	1373.208	1370.146	1367.379	1364.247	1361.028	1358.418	1356.661	1356.069	1355.564
20	1336.598	1332.596	1328.438	1323.844	1319.459	1315.162	1311.299	1309.698	1309.193
25	1288.470	1282.780	1276.812	1270.966	1265.276	1259.447	1253.827	1250.695	1249.825
30	1229.762	1222.768	1215.477	1207.960	1200.896	1193.518	1186.732	1181.704	1180.538
35	1163.329	1154.281	1145.320	1135.907	1127.015	1118.263	1110.172	1103.021	1101.194
40	1087.639	1076.990	1066.481	1055.258	1044.974	1034.761	1025.069	1016.595	1014.124
45	1006.242	993.557	981.238	968.467	956.722	944.768	933.754	923.992	920.042
50	919.399	904.800	891.019	876.803	863.162	850.112	838.071	826.778	821.454
55	828.814	812.702	797.094	781.051	765.878	751.436	737.795	725.545	718.777
60	734.524	716.584	699.515	682.080	665.306	649.420	634.613	621.337	613.315

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_HO_35_F6_WH.IES

CANDELA TABULATION - (Cont.)

65	637.971	618.570	600.039	581.595	564.160	546.743	531.413	516.902	507.280
70	540.966	520.556	500.859	480.727	461.918	444.118	427.501	412.467	401.105
75	444.779	423.481	402.845	382.139	362.529	343.772	326.494	311.112	298.706
80	351.219	329.695	308.328	287.413	267.647	248.455	230.672	214.699	200.692
85	264.654	242.852	221.624	200.048	179.846	159.558	141.619	124.845	109.829
90	182.317	160.376	138.643	116.319	94.882	74.176	55.054	38.002	22.168
95	160.880	140.314	120.043	99.041	78.909	59.282	40.907	24.134	9.048
100	158.549	138.487	118.807	98.310	78.544	59.282	40.994	23.403	9.779
105	155.191	136.016	116.911	97.075	77.813	58.412	39.602	23.038	10.649
110	150.893	132.431	114.127	95.021	75.847	56.672	39.237	21.367	11.380
115	145.568	128.203	110.333	91.228	73.150	54.984	38.367	20.062	12.406
120	139.078	122.583	105.096	87.435	69.861	53.314	34.713	18.740	12.980
125	130.396	113.483	96.918	79.640	64.328	48.790	31.581	17.435	13.711
130	116.754	102.034	87.000	72.488	59.143	43.239	29.023	17.069	14.442
135	103.774	90.863	78.474	65.929	52.948	38.210	25.961	16.634	15.173
140	91.524	81.380	70.522	58.568	44.857	33.982	24.064	16.547	15.747
145	82.267	73.219	61.405	48.790	39.167	29.458	22.533	16.547	16.182
150	72.193	61.631	51.052	42.961	34.417	28.153	22.028	17.870	17.504
155	57.316	49.955	43.970	36.905	31.651	26.552	21.506	19.105	18.966
160	45.953	40.403	36.175	32.608	28.884	24.430	21.002	20.062	19.975
165	36.383	33.982	31.424	28.519	25.456	22.690	21.228	20.863	20.863
170	29.824	28.153	26.326	24.569	23.038	22.168	21.872	21.959	22.028
175	23.925	23.629	23.125	22.759	22.603	22.603	22.759	22.759	22.759
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_HO_35_F6_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	522.09	N.A.	9.30
0-30	1116.95	N.A.	19.90
0-40	1846.95	N.A.	32.90
0-60	3378.42	N.A.	60.20
0-80	4507.13	N.A.	80.20
0-90	4808.67	N.A.	85.60
10-90	4674.53	N.A.	83.20
20-40	1324.87	N.A.	23.60
20-50	2106.32	N.A.	37.50
40-70	2176.00	N.A.	38.70
60-80	1128.71	N.A.	20.10
70-80	484.18	N.A.	8.60
80-90	301.54	N.A.	5.40
90-110	358.41	N.A.	6.40
90-120	506.03	N.A.	9.00
90-130	624.86	N.A.	11.10
90-150	764.92	N.A.	13.60
90-180	807.72	N.A.	14.40
110-180	449.31	N.A.	8.00
0-180	5616.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.14
10-20	387.94
20-30	594.86
30-40	730.01
40-50	781.46
50-60	750.01
60-70	644.53
70-80	484.18
80-90	301.54
90-100	189.15
100-110	169.26
110-120	147.62
120-130	118.83
130-140	85.67
140-150	54.39
150-160	29.19
160-170	11.40
170-180	2.22

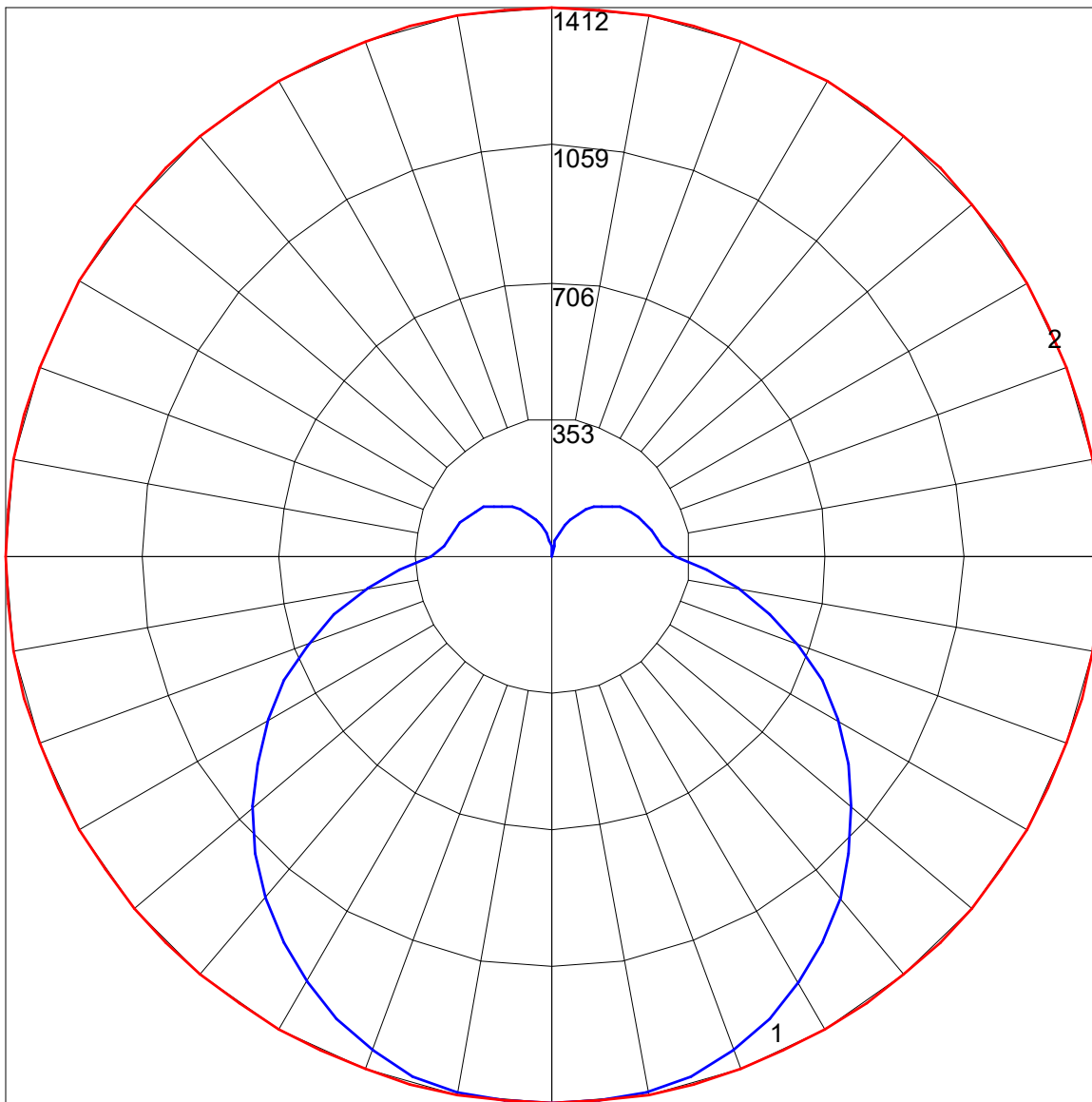
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_HO_35_F6_WH.IES

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	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 = 1412.114 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.)