

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	62	64	65	66
Total Lumens, 4' rail length (1219mm)	1603	1654	1687	1721
Lumens per foot (305mm)	401	413	422	430
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	85	85	85	85

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.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-35-S1-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 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	1683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
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	32370	55557	98214
55	22734	35998	68638
65	19663	26702	47601
75	17569	21368	33930
85	13835	15555	21659

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	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175
1.0	1148.364	1148.459	1148.411	1148.270	1148.364	1148.364	1148.317	1148.223	1148.317	1148.317
3.0	1143.762	1143.762	1143.951	1143.951	1144.057	1144.246	1144.399	1144.742	1144.930	1145.131
5.0	1132.682	1132.635	1133.036	1133.378	1133.815	1134.794	1135.479	1136.316	1137.591	1138.370
7.0	1113.188	1113.483	1114.026	1115.100	1116.280	1117.897	1119.749	1121.767	1123.915	1126.027
9.0	1086.532	1082.910	1083.889	1085.659	1087.807	1090.167	1093.695	1097.022	1100.940	1104.468
11.0	1053.126	1053.516	1055.180	1058.118	1061.646	1065.859	1070.956	1076.349	1082.473	1088.302
13.0	1010.694	1011.673	1013.927	1017.856	1023.095	1029.408	1036.465	1044.453	1053.032	1061.504
15.0	962.396	963.517	966.750	971.801	978.904	987.377	997.230	1007.413	1018.883	1030.293
17.0	905.851	907.231	911.538	918.158	927.362	938.489	951.174	965.334	980.025	994.870
19.5	830.413	832.124	837.517	845.895	857.400	872.008	888.516	906.783	926.135	945.640
22.5	727.529	729.736	736.202	746.539	761.088	779.355	799.934	823.652	848.786	874.604
25.5	621.117	623.571	631.064	643.065	660.021	681.521	706.065	734.633	765.348	796.453
29.0	504.415	507.070	514.810	527.401	545.620	568.500	595.204	626.851	661.980	698.324
33.0	386.934	389.294	396.881	408.835	425.980	448.376	475.611	507.258	544.251	583.345
37.5	281.406	283.365	289.489	299.732	314.033	333.775	357.493	386.544	420.399	458.418
42.5	198.122	199.644	204.246	211.739	222.914	237.959	256.473	279.648	307.567	339.757
47.5	144.137	145.211	148.397	153.789	161.577	171.961	185.437	202.040	222.713	247.658
55.0	97.492	97.987	99.793	102.200	106.259	111.852	118.956	128.266	140.160	154.368
65.0	62.127	62.316	63.000	64.027	65.596	67.708	70.505	74.021	78.682	84.370
75.0	33.996	34.102	34.291	34.633	35.176	35.860	36.698	37.925	39.483	41.347
85.0	9.015	9.015	9.062	9.062	9.157	9.263	9.405	9.605	9.853	10.136
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	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175	1148.175
1.0	1148.317	1148.223	1148.317	1148.223	1148.164	1148.364	1148.270	1148.411	1148.069
3.0	1145.520	1145.768	1145.910	1146.252	1146.547	1146.748	1146.889	1146.795	1147.090
5.0	1139.550	1140.482	1141.508	1142.287	1143.019	1143.514	1144.010	1144.104	1144.246
7.0	1128.328	1130.428	1132.446	1134.299	1135.726	1137.001	1138.075	1138.570	1138.759
9.0	1108.775	1112.303	1116.032	1119.171	1122.109	1125.047	1127.006	1128.174	1131.124
11.0	1094.332	1100.350	1105.542	1110.250	1114.557	1117.897	1120.150	1121.661	1122.204
13.0	1070.225	1078.555	1086.343	1093.294	1098.934	1103.831	1107.265	1109.271	1109.955
15.0	1041.999	1053.079	1063.416	1072.821	1080.561	1086.733	1091.441	1094.131	1094.969
17.0	1009.620	1023.874	1037.149	1049.256	1059.050	1067.239	1073.068	1076.738	1077.918
19.5	965.382	983.896	1000.699	1016.039	1028.724	1038.966	1046.613	1051.014	1052.926
22.5	900.718	925.262	947.693	967.635	984.580	997.666	1007.567	1013.242	1015.107
25.5	828.348	858.721	886.746	911.585	932.212	948.826	960.874	967.930	970.432
29.0	736.296	772.841	806.306	836.880	861.719	882.239	896.304	904.635	907.326
33.0	625.483	667.019	706.454	742.621	771.567	794.695	810.766	820.017	823.251
37.5	500.993	544.251	587.015	625.671	657.614	682.748	700.531	710.773	714.195
42.5	377.329	416.776	456.849	495.600	527.248	552.181	569.869	580.112	583.298
47.5	276.462	308.889	342.743	376.208	404.280	426.865	443.078	452.141	455.138
55.0	171.961	192.387	213.851	235.552	255.930	272.438	284.345	291.448	294.339
65.0	91.662	100.288	110.035	120.525	130.166	138.839	145.164	149.128	150.403
75.0	43.802	46.740	50.221	54.044	57.667	60.994	63.590	65.207	65.655
85.0	10.537	10.974	11.564	12.201	12.744	13.275	13.723	14.007	14.113
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	377.88	N.A.	22.50
0-30	728.33	N.A.	43.30
0-40	1028.21	N.A.	61.10
0-60	1447.56	N.A.	86.00
0-80	1649.28	N.A.	98.00
0-90	1682.71	N.A.	100.00
10-90	1595.36	N.A.	94.80
20-40	650.33	N.A.	38.60
20-50	924.70	N.A.	55.00
40-70	548.34	N.A.	32.60
60-80	201.72	N.A.	12.00
70-80	72.73	N.A.	4.30
80-90	33.43	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	1682.71	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	87.35
10-20	290.53
20-30	350.45
30-40	299.88
40-50	274.36
50-60	144.98
60-70	128.99
70-80	72.73
80-90	33.43
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

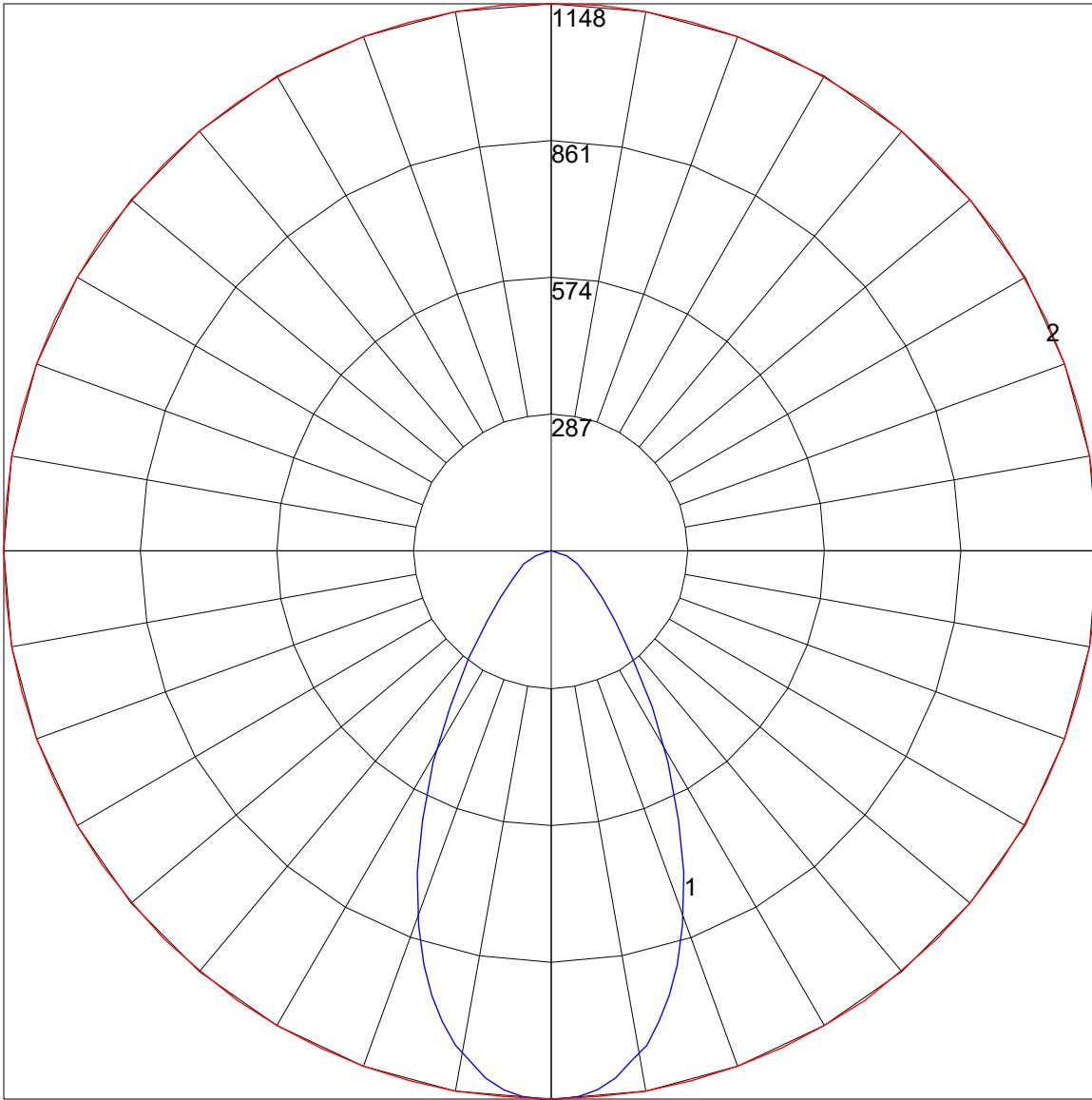
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	57	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	60	52	46	70	59	51	46	57	51	46	56	50	46	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	39	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 = 1148.459 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.)