

IES Report

ZipTwo® | 707 | Ceiling Cable | Micro 3508, High Lumen w/microbaffle | 90 CRI | SO
707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-D4-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	116	119	122	123
Total Lumens, 4' rail length (1219mm)	3000	3095	3158	3190
Lumens per foot (305mm)	750	774	790	797
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	94	94	94	94

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_CC_SO_359_D4_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121911535 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 5/12/2021
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-CC-Z-SO-359-D4-WH
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 90 CRI, zipper board, micro 3508,
[MORE] high lumen lens with microbaffle, standard output, white painted finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3158
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	26.08
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 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	38505	34189	29485
55	33779	28577	23555
65	28886	23774	19149
75	24776	20139	15899
85	27541	21640	14558

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	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885
5	1380.808	1379.793	1379.793	1379.793	1379.793	1379.793	1379.793	1379.793	1379.793	1379.793
10	1359.487	1359.487	1359.487	1359.487	1358.471	1358.471	1357.456	1356.441	1356.441	1355.426
15	1323.951	1323.951	1323.951	1322.936	1320.905	1319.890	1318.875	1316.844	1314.814	1312.783
20	1272.171	1271.156	1270.140	1269.125	1267.094	1265.064	1262.018	1258.972	1254.911	1250.850
25	1204.146	1204.146	1202.115	1201.100	1197.039	1192.978	1188.916	1182.825	1176.733	1170.641
30	1122.922	1121.907	1119.876	1116.830	1111.754	1105.662	1098.555	1091.448	1081.295	1072.157
35	1026.468	1025.453	1023.422	1019.361	1013.269	1005.147	996.009	984.841	972.657	959.459
40	919.862	918.847	915.801	911.739	903.617	894.479	882.296	869.097	854.883	837.623
45	806.148	805.133	802.087	797.011	787.873	777.720	764.521	749.291	733.047	715.787
50	689.389	688.373	685.328	680.251	671.113	659.945	646.746	630.501	614.257	595.981
55	573.645	572.629	569.583	564.507	556.384	545.216	533.033	517.803	501.558	485.313
60	463.992	462.977	459.931	454.854	447.747	437.594	426.426	413.227	400.028	384.799
65	361.447	360.432	358.401	354.340	348.248	340.126	330.988	319.820	308.651	297.483
70	269.055	269.055	267.024	263.978	258.902	252.810	245.703	237.580	228.443	220.320
75	189.861	189.861	187.831	185.800	182.754	177.678	172.601	167.525	160.417	154.326
80	124.882	124.882	123.867	121.836	119.805	116.760	112.698	109.652	104.576	100.515
85	71.071	71.071	70.056	69.040	68.025	65.995	63.964	60.918	58.887	55.842
90	30.459	30.459	29.444	28.428	27.413	26.398	25.383	23.352	21.321	19.291
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. 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	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885	1385.885
5	1379.793	1378.777	1378.777	1378.777	1378.777	1378.777	1378.777	1378.777	1377.762
10	1354.410	1353.395	1352.380	1352.380	1351.364	1351.364	1351.364	1350.349	1350.349
15	1310.752	1308.722	1306.691	1304.661	1302.630	1301.615	1300.599	1300.599	1299.584
20	1246.788	1242.727	1238.666	1235.620	1232.574	1229.528	1227.498	1226.482	1226.482
25	1163.534	1156.427	1150.335	1144.243	1138.151	1134.090	1131.044	1129.014	1127.998
30	1062.004	1051.851	1041.698	1033.575	1025.453	1018.346	1014.285	1011.239	1009.208
35	946.260	933.061	919.862	908.694	898.541	890.418	884.326	880.265	879.250
40	822.393	806.148	791.934	777.720	767.567	757.414	751.322	747.261	745.230
45	697.511	680.251	665.022	650.807	638.624	629.486	622.379	618.318	617.302
50	578.721	561.461	546.231	533.033	521.864	512.727	506.635	502.574	501.558
55	469.069	453.839	439.625	428.457	418.304	410.181	405.105	401.044	400.028
60	371.600	358.401	347.233	337.080	328.957	321.850	317.789	314.743	313.728

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CANDELA TABULATION - (Cont.)

65	285.299	275.146	266.009	257.886	251.794	246.718	242.657	240.626	239.611
70	212.198	204.075	196.968	190.876	185.800	181.739	178.693	176.662	176.662
75	148.234	143.157	138.081	133.004	129.958	126.913	123.867	122.851	121.836
80	96.454	92.392	89.346	85.285	83.255	80.209	78.178	77.163	77.163
85	52.796	50.765	47.719	45.689	43.658	41.627	39.597	38.581	37.566
90	18.275	16.245	14.214	12.184	10.153	8.122	7.107	5.077	4.061
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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	500.29	N.A.	15.80
0-30	1037.06	N.A.	32.80
0-40	1634.31	N.A.	51.80
0-60	2623.33	N.A.	83.10
0-80	3089.5	N.A.	97.80
0-90	3152.38	N.A.	99.80
10-90	3021.5	N.A.	95.70
20-40	1134.02	N.A.	35.90
20-50	1685.58	N.A.	53.40
40-70	1287.88	N.A.	40.80
60-80	466.17	N.A.	14.80
70-80	167.32	N.A.	5.30
80-90	62.88	N.A.	2.00
90-110	5.17	N.A.	0.20
90-120	5.17	N.A.	0.20
90-130	5.17	N.A.	0.20
90-150	5.17	N.A.	0.20
90-180	5.17	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	3157.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	130.88
10-20	369.41
20-30	536.77
30-40	597.25
40-50	551.56
50-60	437.46
60-70	298.85
70-80	167.32
80-90	62.88
90-100	5.17
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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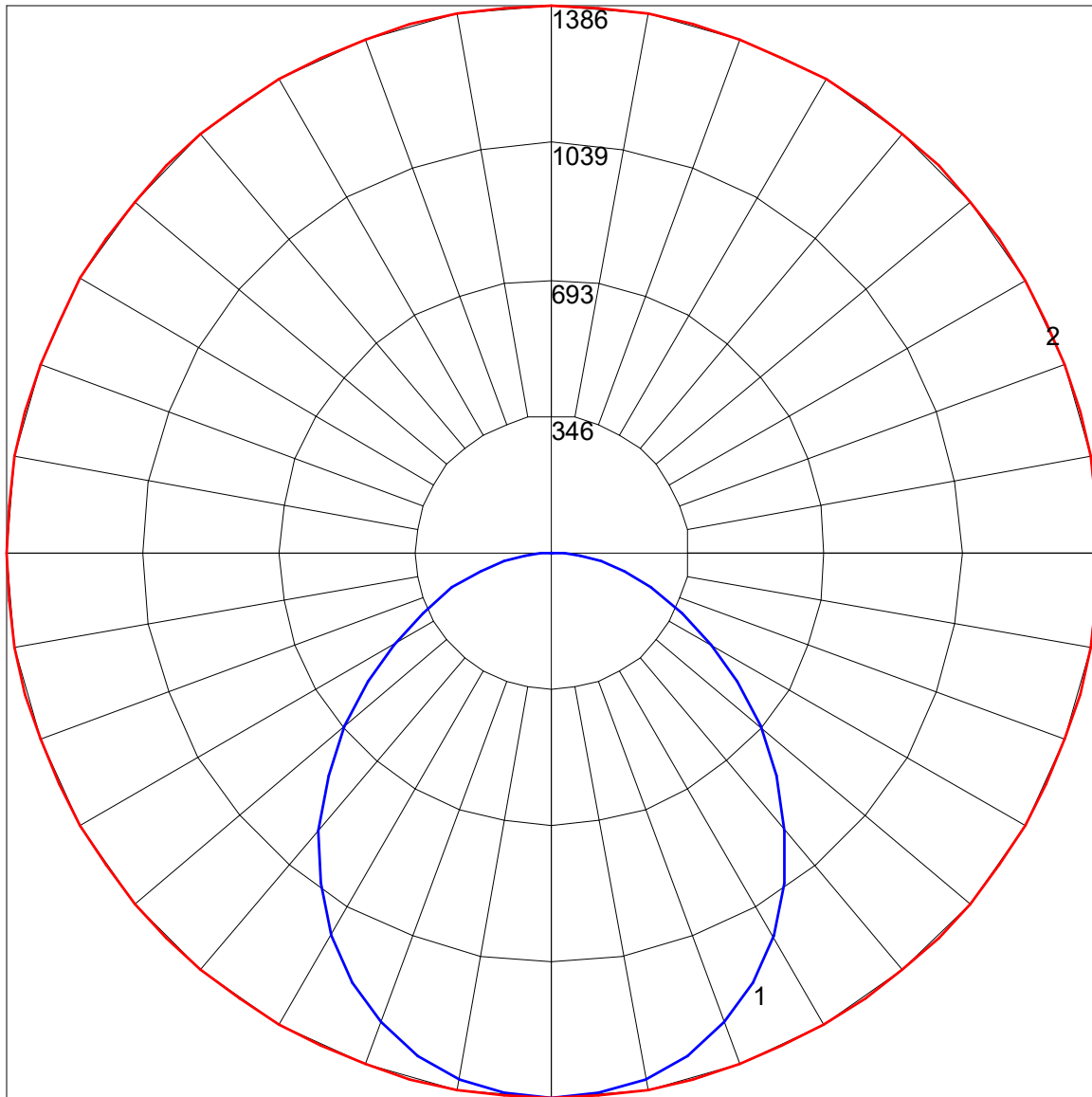
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_SO_359_D4_WH.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	0
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85	0
2	100	92	86	81	98	91	85	80	87	82	78	84	80	76	81	77	74	72	0
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62	0
4	85	73	65	59	82	72	64	58	70	63	57	67	61	57	65	60	56	54	0
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47	0
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42	0
7	68	55	46	40	66	54	46	40	52	45	40	51	44	40	49	44	39	37	0
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	46	40	35	34	0
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	37	32	30	0
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	30	28	0

POLAR GRAPH



Maximum Candela = 1385.885 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.)