

IES Report

ZipTwo® | 707 | Ceiling Cable | Micro 3508, High Lumen w/microbaffle | 90 CRI | HO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-HO-X-D4-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	114	118	120	121
Total Lumens, 4' rail length (1219mm)	4500	4642	4737	4784
Lumens per foot (305mm)	1125	1161	1184	1196
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	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_HO_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-HO-359-D4-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 90 CRI, zipper board, micro 3508,

[MORE] high lumen lens with microbaffle, high 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	4736
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	39.55
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	57760	51285	44229
55	50670	42867	35334
65	43330	35662	28725
75	37165	30209	23849
85	41314	32461	21837

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	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895
5	2071.280	2069.757	2069.757	2069.757	2069.757	2069.757	2069.757	2069.757	2069.757	2069.757
10	2039.297	2039.297	2039.297	2039.297	2037.774	2037.774	2036.251	2034.728	2034.728	2033.205
15	1985.992	1985.992	1985.992	1984.469	1981.423	1979.900	1978.377	1975.331	1972.285	1969.239
20	1908.319	1906.796	1905.273	1903.750	1900.704	1897.658	1893.089	1888.520	1882.428	1876.336
25	1806.278	1806.278	1803.232	1801.709	1795.617	1789.525	1783.433	1774.295	1765.157	1756.019
30	1684.438	1682.915	1679.869	1675.300	1667.685	1658.547	1647.886	1637.225	1621.995	1608.288
35	1539.753	1538.230	1535.184	1529.092	1519.954	1507.770	1494.063	1477.310	1459.034	1439.235
40	1379.838	1378.315	1373.746	1367.654	1355.470	1341.763	1323.487	1303.688	1282.366	1256.475
45	1209.262	1207.739	1203.170	1195.555	1181.848	1166.618	1146.819	1123.974	1099.606	1073.715
50	1034.117	1032.594	1028.025	1020.410	1006.703	989.950	970.151	945.783	921.415	894.001
55	860.495	858.972	854.403	846.788	834.604	817.851	799.575	776.730	752.362	727.994
60	696.011	694.488	689.919	682.304	671.643	656.413	639.660	619.861	600.062	577.217
65	542.188	540.665	537.619	531.527	522.389	510.205	496.498	479.745	462.992	446.239
70	403.595	403.595	400.549	395.980	388.365	379.227	368.566	356.382	342.675	330.491
75	284.801	284.801	281.755	278.709	274.140	266.525	258.910	251.295	240.634	231.496
80	187.329	187.329	185.806	182.760	179.714	175.145	169.053	164.484	156.869	150.777
85	106.610	106.610	105.087	103.564	102.041	98.995	95.949	91.380	88.334	83.765
90	45.690	45.690	44.167	42.644	41.121	39.598	38.075	35.029	31.983	28.937
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	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895	2078.895
5	2069.757	2068.234	2068.234	2068.234	2068.234	2068.234	2068.234	2068.234	2066.711
10	2031.682	2030.159	2028.636	2028.636	2027.113	2027.113	2027.113	2025.590	2025.590
15	1966.193	1963.147	1960.101	1957.055	1954.009	1952.486	1950.963	1950.963	1949.440
20	1870.244	1864.152	1858.060	1853.491	1848.922	1844.353	1841.307	1839.784	1839.784
25	1745.358	1734.697	1725.559	1716.421	1707.283	1701.191	1696.622	1693.576	1692.053
30	1593.058	1577.828	1562.598	1550.414	1538.230	1527.569	1521.477	1516.908	1513.862
35	1419.436	1399.637	1379.838	1363.085	1347.855	1335.671	1326.533	1320.441	1318.918
40	1233.630	1209.262	1187.940	1166.618	1151.388	1136.158	1127.020	1120.928	1117.882
45	1046.301	1020.410	997.565	976.243	957.967	944.260	933.599	927.507	925.984
50	868.110	842.219	819.374	799.575	782.822	769.115	759.977	753.885	752.362
55	703.626	680.781	659.459	642.706	627.476	615.292	607.677	601.585	600.062
60	557.418	537.619	520.866	505.636	493.452	482.791	476.699	472.130	470.607

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z2_CC_HO_359_D4_WH.IES

CANDELA TABULATION - (Cont.)

65	427.963	412.733	399.026	386.842	377.704	370.089	363.997	360.951	359.428
70	318.307	306.123	295.462	286.324	278.709	272.617	268.048	265.002	265.002
75	222.358	214.743	207.128	199.513	194.944	190.375	185.806	184.283	182.760
80	144.685	138.593	134.024	127.932	124.886	120.317	117.271	115.748	115.748
85	79.196	76.150	71.581	68.535	65.489	62.443	59.397	57.874	56.351
90	27.414	24.368	21.322	18.276	15.230	12.184	10.661	7.615	6.092
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : VODE_707_Z2_CC_HO_359_D4_WH.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	750.46	N.A.	15.80
0-30	1555.64	N.A.	32.80
0-40	2451.54	N.A.	51.80
0-60	3935.13	N.A.	83.10
0-80	4634.41	N.A.	97.80
0-90	4728.73	N.A.	99.80
10-90	4532.4	N.A.	95.70
20-40	1701.09	N.A.	35.90
20-50	2528.46	N.A.	53.40
40-70	1931.88	N.A.	40.80
60-80	699.28	N.A.	14.80
70-80	250.99	N.A.	5.30
80-90	94.32	N.A.	2.00
90-110	7.76	N.A.	0.20
90-120	7.76	N.A.	0.20
90-130	7.76	N.A.	0.20
90-150	7.76	N.A.	0.20
90-180	7.76	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	4736.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	196.33
10-20	554.13
20-30	805.19
30-40	895.90
40-50	827.37
50-60	656.21
60-70	448.29
70-80	250.99
80-90	94.32
90-100	7.76
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

IES INDOOR REPORT

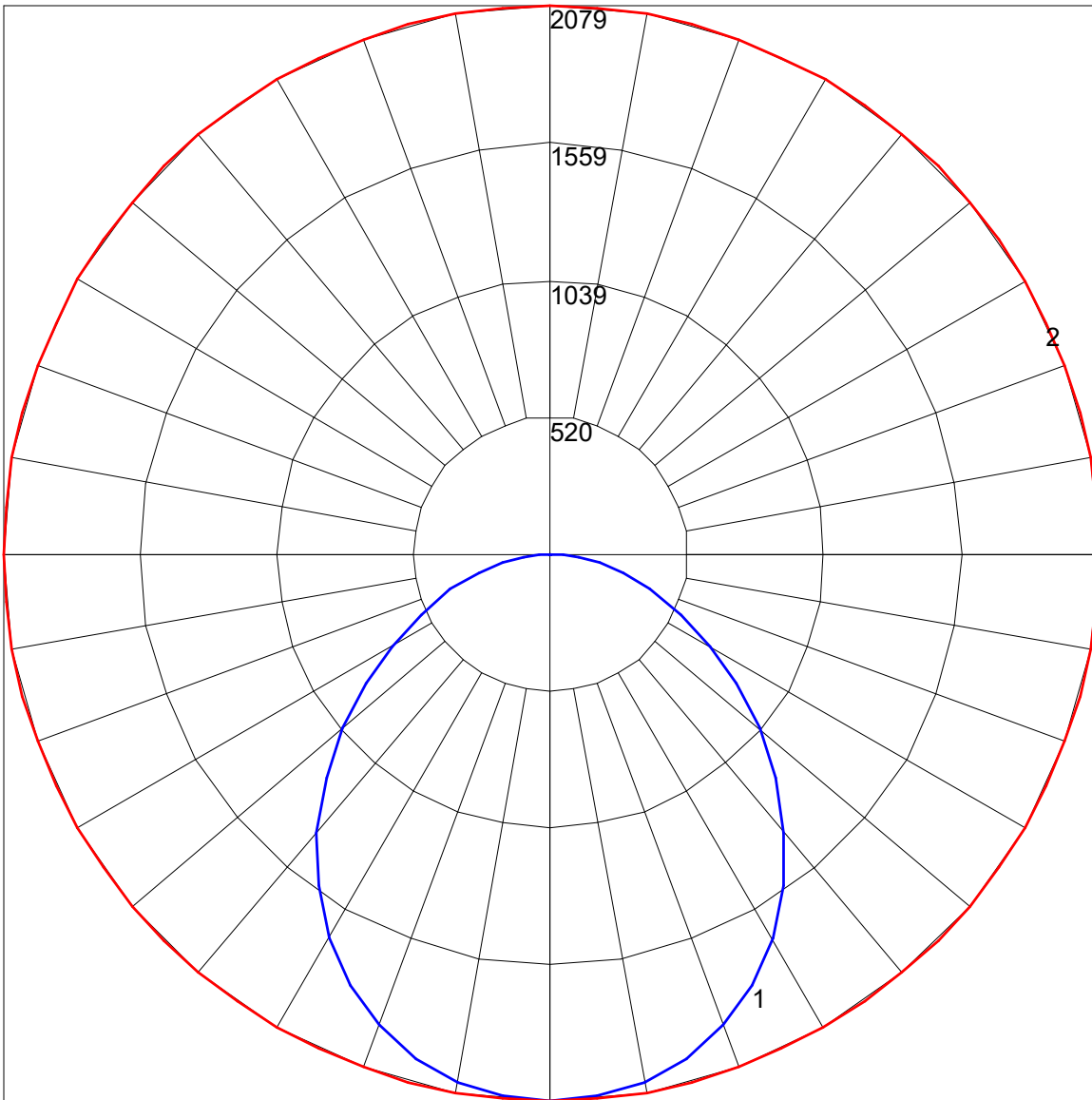
PHOTOMETRIC FILENAME : VODE_707_Z2_CC_HO_359_D4_WH.IES

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	58	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	62	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 = 2078.895 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.)