

**IES Report**

**ZipTwo® | 707 | Ceiling Cable | Micro 3508, High Lumen w/microbaffle | 80 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	132	137	139	139
Total Lumens, 4' rail length (1219mm)	5220	5385	5495	5495
Lumens per foot (305mm)	1305	1346	1374	1374
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\_CC\_HO\_35\_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-35-D4-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 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	5494
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
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	66998	59488	51304
55	58774	49724	40986
65	50261	41366	33319
75	43110	35041	27664
85	47922	37653	25330

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>
<b>0</b>	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409
<b>5</b>	2402.576	2400.809	2400.809	2400.809	2400.809	2400.809	2400.809	2400.809	2400.809	2400.809
<b>10</b>	2365.477	2365.477	2365.477	2365.477	2363.711	2363.711	2361.944	2360.178	2360.178	2358.411
<b>15</b>	2303.646	2303.646	2303.646	2301.880	2298.347	2296.580	2294.813	2291.280	2287.747	2284.214
<b>20</b>	2213.550	2211.783	2210.017	2208.250	2204.717	2201.184	2195.884	2190.584	2183.518	2176.451
<b>25</b>	2095.188	2095.188	2091.654	2089.888	2082.821	2075.755	2068.689	2058.089	2047.489	2036.890
<b>30</b>	1953.860	1952.093	1948.560	1943.260	1934.427	1923.827	1911.461	1899.095	1881.429	1865.530
<b>35</b>	1786.033	1784.266	1780.733	1773.666	1763.067	1748.934	1733.035	1713.602	1692.403	1669.437
<b>40</b>	1600.540	1598.773	1593.473	1586.407	1572.274	1556.375	1535.175	1512.210	1487.477	1457.445
<b>45</b>	1402.680	1400.914	1395.614	1386.781	1370.882	1353.216	1330.250	1303.751	1275.485	1245.453
<b>50</b>	1199.521	1197.755	1192.455	1183.622	1167.723	1148.290	1125.324	1097.059	1068.793	1036.994
<b>55</b>	998.129	996.362	991.063	982.230	968.097	948.664	927.465	900.966	872.700	844.435
<b>60</b>	807.336	805.570	800.270	791.437	779.071	761.405	741.972	719.006	696.040	669.541
<b>65</b>	628.910	627.143	623.610	616.543	605.944	591.811	575.912	556.479	537.046	517.614
<b>70</b>	468.149	468.149	464.616	459.316	450.483	439.883	427.517	413.384	397.485	383.352
<b>75</b>	330.354	330.354	326.821	323.288	317.988	309.155	300.322	291.489	279.123	268.523
<b>80</b>	217.292	217.292	215.525	211.992	208.459	203.159	196.093	190.793	181.960	174.893
<b>85</b>	123.662	123.662	121.895	120.129	118.362	114.829	111.296	105.996	102.463	97.163
<b>90</b>	52.998	52.998	51.231	49.465	47.698	45.932	44.165	40.632	37.099	33.565
<b>95</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180</b>	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>
<b>0</b>	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409	2411.409
<b>5</b>	2400.809	2399.043	2399.043	2399.043	2399.043	2399.043	2399.043	2399.043	2397.276
<b>10</b>	2356.644	2354.878	2353.111	2353.111	2351.345	2351.345	2351.345	2349.578	2349.578
<b>15</b>	2280.681	2277.147	2273.614	2270.081	2266.548	2264.781	2263.015	2263.015	2261.248
<b>20</b>	2169.385	2162.318	2155.252	2149.952	2144.652	2139.353	2135.819	2134.053	2134.053
<b>25</b>	2024.524	2012.157	2001.558	1990.958	1980.359	1973.292	1967.992	1964.459	1962.693
<b>30</b>	1847.864	1830.198	1812.532	1798.399	1784.266	1771.900	1764.833	1759.534	1756.000
<b>35</b>	1646.471	1623.505	1600.540	1581.107	1563.441	1549.308	1538.709	1531.642	1529.876
<b>40</b>	1430.946	1402.680	1377.948	1353.216	1335.550	1317.884	1307.284	1300.218	1296.684
<b>45</b>	1213.654	1183.622	1157.123	1132.391	1111.191	1095.292	1082.926	1075.859	1074.093
<b>50</b>	1006.962	976.930	950.431	927.465	908.032	892.133	881.533	874.467	872.700
<b>55</b>	816.169	789.670	764.938	745.505	727.839	713.706	704.873	697.807	696.040
<b>60</b>	646.576	623.610	604.177	586.511	572.378	560.012	552.946	547.646	545.879

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**CANDELA TABULATION - (Cont.)**

<b>65</b>	496.415	478.749	462.849	448.716	438.117	429.284	422.217	418.684	416.918
<b>70</b>	369.219	355.087	342.720	332.121	323.288	316.221	310.922	307.388	307.388
<b>75</b>	257.924	249.091	240.258	231.425	226.125	220.825	215.525	213.759	211.992
<b>80</b>	167.827	160.761	155.461	148.394	144.861	139.561	136.028	134.262	134.262
<b>85</b>	91.863	88.330	83.030	79.497	75.964	72.431	68.897	67.131	65.364
<b>90</b>	31.799	28.266	24.732	21.199	17.666	14.133	12.366	8.833	7.066
<b>95</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180</b>	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	870.49	N.A.	15.80
0-30	1804.46	N.A.	32.80
0-40	2843.66	N.A.	51.80
0-60	4564.54	N.A.	83.10
0-80	5375.67	N.A.	97.80
0-90	5485.08	N.A.	99.80
10-90	5257.35	N.A.	95.70
20-40	1973.17	N.A.	35.90
20-50	2932.88	N.A.	53.40
40-70	2240.88	N.A.	40.80
60-80	811.13	N.A.	14.80
70-80	291.13	N.A.	5.30
80-90	109.41	N.A.	2.00
90-110	9.00	N.A.	0.20
90-120	9.00	N.A.	0.20
90-130	9.00	N.A.	0.20
90-150	9.00	N.A.	0.20
90-180	9.00	N.A.	0.20
110-180	0.00	N.A.	0.00
0-180	5494.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	227.73
10-20	642.76
20-30	933.97
30-40	1039.2
40-50	959.71
50-60	761.17
60-70	520.00
70-80	291.13
80-90	109.41
90-100	9.00
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

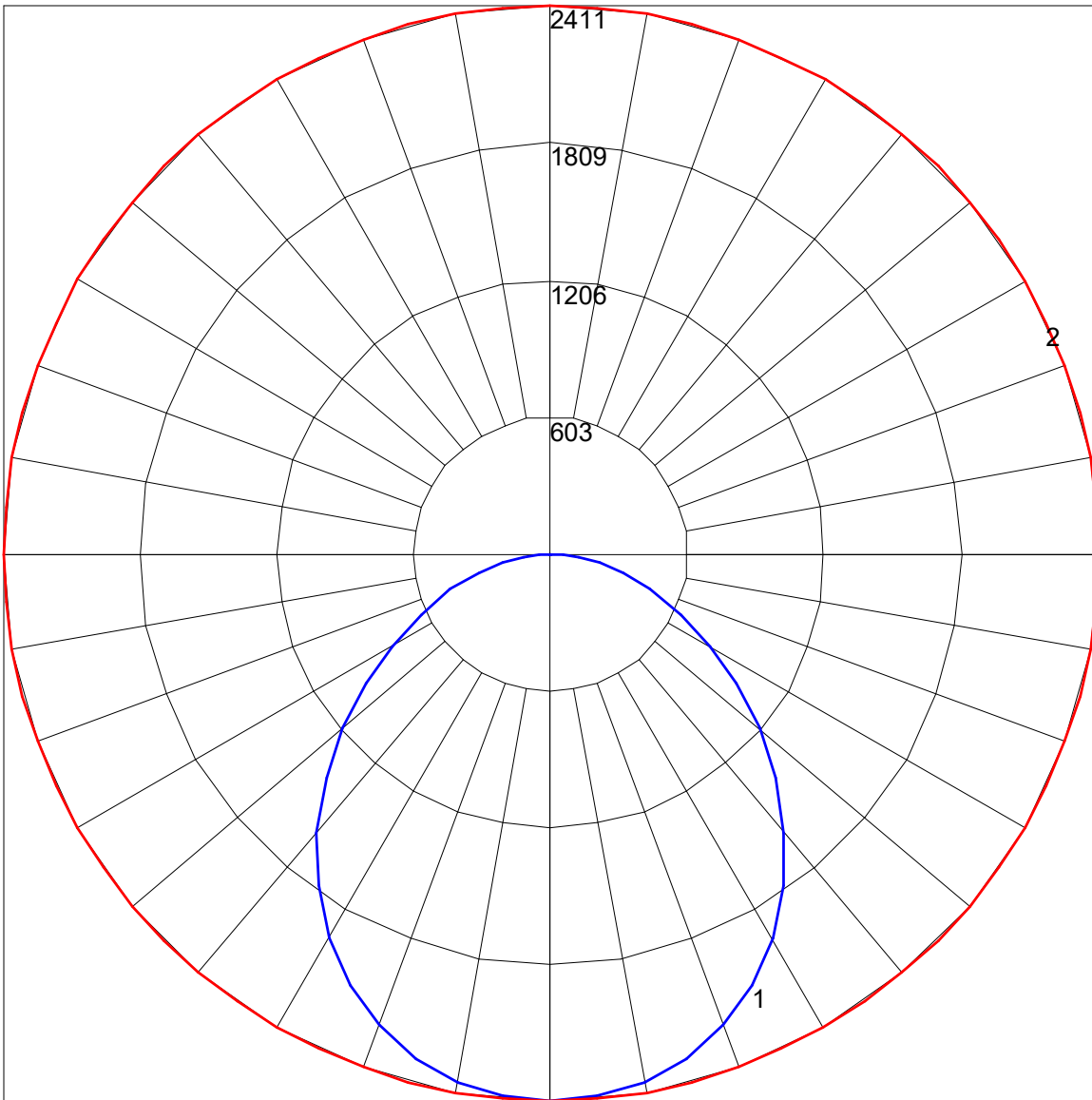
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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

POLAR GRAPH



Maximum Candela = 2411.409 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.)