

**IES Report**

**ZipTwo® | 707 | Ceiling Cable | Micro 3508, 120° Symmetric | 80 CRI | SO**

**707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-S3-WH-X**

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	133	138	140	140
Total Lumens, 4' rail length (1219mm)	3500	3610	3684	3684
Lumens per foot (305mm)	875	903	921	921
Input Power (W), 4' rail length (1219mm)	26.3	26.3	26.3	26.3
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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\_SO\_35\_S3\_WH.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911526 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 05/12/2021

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-CC-Z-SO-35-S3-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, micro 3508, 120° symmetric lens,

[MORE] 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	3684
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	141
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.66
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.56
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.07 ft
Luminous Width (90-270)	3.97 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	61714	53845	36937
55	56439	51148	35595
65	44393	42652	32751
75	28782	28782	25229
85	17938	16355	13190

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**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>	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697
<b>5</b>	1137.203	1137.203	1137.203	1136.015	1136.015	1134.827	1132.450	1132.450	1130.073	1128.885
<b>10</b>	1172.852	1172.852	1170.476	1166.911	1164.534	1159.781	1155.028	1149.086	1143.145	1137.203
<b>15</b>	1225.137	1223.949	1221.572	1215.631	1207.313	1197.806	1187.112	1174.040	1160.969	1146.710
<b>20</b>	1279.799	1278.611	1272.669	1264.351	1253.657	1238.209	1220.384	1200.183	1178.794	1155.028
<b>25</b>	1317.825	1315.448	1309.507	1300.000	1284.552	1265.540	1244.150	1218.008	1188.300	1157.404
<b>30</b>	1323.766	1322.578	1316.636	1305.942	1291.682	1271.481	1246.527	1218.008	1183.547	1145.521
<b>35</b>	1295.247	1294.059	1288.117	1278.611	1264.351	1245.338	1221.572	1191.865	1156.216	1115.814
<b>40</b>	1228.702	1227.514	1222.761	1214.443	1203.748	1187.112	1165.722	1138.391	1102.742	1062.340
<b>45</b>	1127.697	1126.508	1122.944	1117.002	1108.684	1095.613	1077.788	1054.022	1023.126	983.912
<b>50</b>	994.607	994.607	993.419	989.854	983.912	974.406	961.335	942.322	916.179	881.719
<b>55</b>	836.563	836.563	835.375	835.375	831.810	827.057	818.739	805.667	785.466	758.135
<b>60</b>	661.883	661.883	663.071	663.071	663.071	661.883	657.130	648.812	635.741	616.728
<b>65</b>	484.826	484.826	486.015	487.203	489.580	489.580	488.391	484.826	477.697	465.814
<b>70</b>	322.029	323.218	324.406	325.594	326.783	329.159	329.159	327.971	324.406	318.464
<b>75</b>	192.505	193.693	193.693	194.881	196.070	196.070	197.258	196.070	194.881	192.505
<b>80</b>	102.194	102.194	102.194	103.382	103.382	103.382	103.382	102.194	101.006	99.817
<b>85</b>	40.402	40.402	40.402	40.402	40.402	40.402	39.214	39.214	38.026	36.837
<b>90</b>	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>
<b>0</b>	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697	1127.697
<b>5</b>	1128.885	1126.508	1125.320	1124.132	1122.944	1122.944	1121.755	1121.755	1121.755
<b>10</b>	1130.073	1124.132	1118.190	1113.437	1107.496	1105.119	1101.554	1100.366	1099.178
<b>15</b>	1131.262	1118.190	1105.119	1093.236	1082.541	1074.223	1068.282	1064.717	1063.529
<b>20</b>	1131.262	1107.496	1084.918	1064.717	1046.892	1032.633	1021.938	1015.997	1013.620
<b>25</b>	1122.944	1089.671	1057.587	1026.691	1002.925	981.536	966.088	957.770	954.205
<b>30</b>	1103.931	1062.340	1020.750	981.536	949.452	922.121	903.108	892.413	888.848
<b>35</b>	1068.282	1020.750	973.218	926.874	888.848	857.953	835.375	822.304	818.739
<b>40</b>	1014.808	963.711	912.614	863.894	822.304	789.031	765.265	752.194	747.441
<b>45</b>	938.757	888.848	837.752	789.031	748.629	715.357	692.779	679.708	674.954
<b>50</b>	841.316	796.161	748.629	704.662	667.825	638.117	617.916	606.033	602.468
<b>55</b>	723.675	685.649	646.435	609.598	579.890	556.124	539.488	529.982	527.605
<b>60</b>	590.585	562.066	532.358	505.028	483.638	467.002	455.119	447.989	445.613
<b>65</b>	449.177	431.353	412.340	395.704	381.444	370.750	363.620	360.055	357.678
<b>70</b>	310.146	300.640	291.134	282.815	275.686	269.744	266.179	264.991	263.803
<b>75</b>	188.940	184.187	180.622	175.868	173.492	171.115	169.927	168.739	168.739
<b>80</b>	97.441	95.064	93.876	91.499	90.311	89.123	87.934	87.934	87.934
<b>85</b>	35.649	34.461	33.272	32.084	30.896	30.896	29.708	29.708	29.708
<b>90</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	432.63	N.A.	11.70
0-30	960.83	N.A.	26.10
0-40	1637.35	N.A.	44.40
0-60	2996.69	N.A.	81.30
0-80	3638.17	N.A.	98.80
0-90	3684.18	N.A.	100.00
10-90	3576.14	N.A.	97.10
20-40	1204.72	N.A.	32.70
20-50	1926.58	N.A.	52.30
40-70	1796.79	N.A.	48.80
60-80	641.47	N.A.	17.40
70-80	204.03	N.A.	5.50
80-90	46.01	N.A.	1.20
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	3684.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	108.04
10-20	324.59
20-30	528.20
30-40	676.52
40-50	721.86
50-60	637.48
60-70	437.44
70-80	204.03
80-90	46.01
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

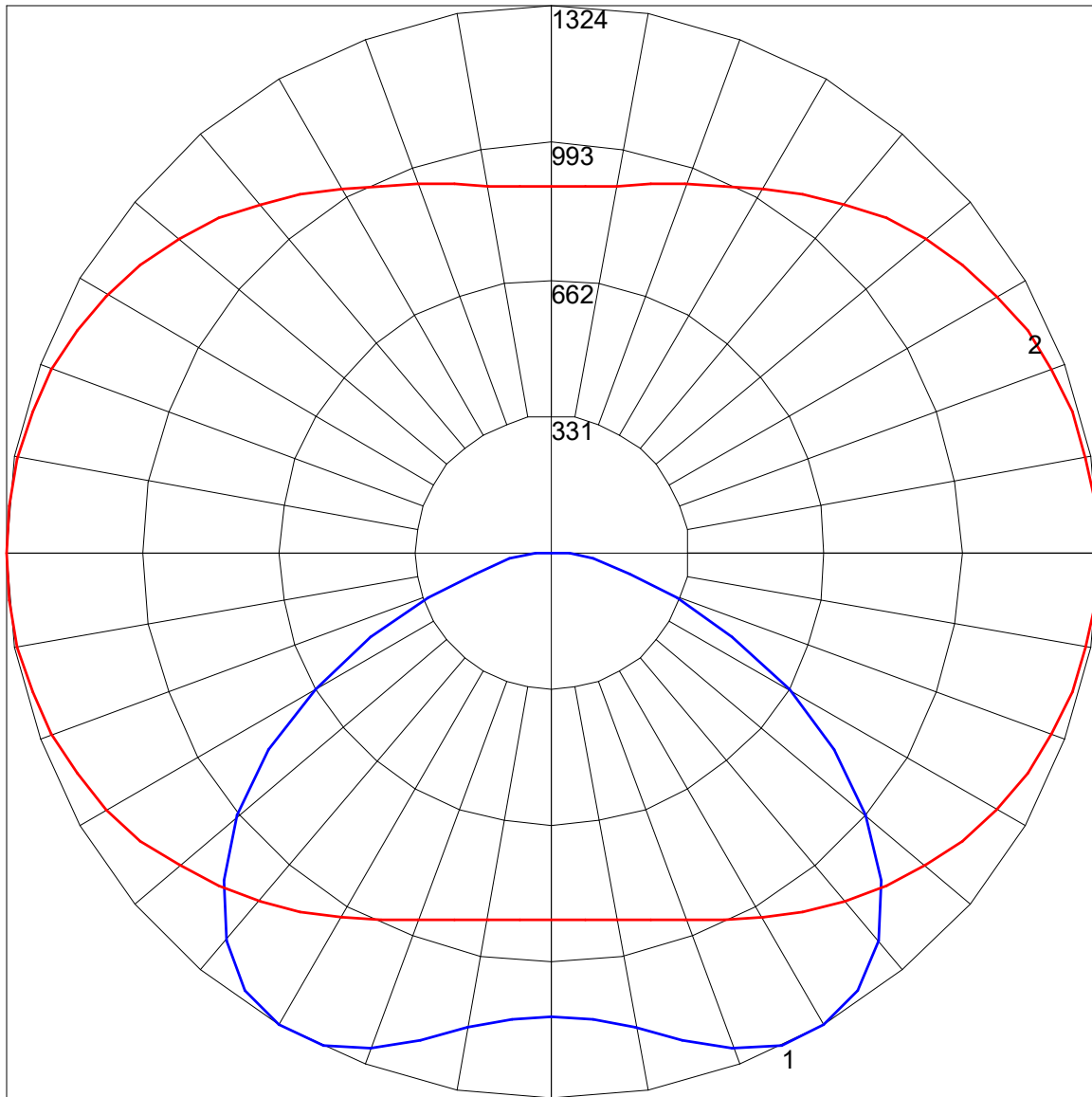
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	79	76	73	71
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	66	62	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 1323.766 Located At Horizontal Angle = 0, Vertical Angle = 30

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)