

IES Report

ZipTwo® | 707 | Ceiling Cable | Micro 3508, 60° Symmetric | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-S2-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	80	83	84	84
Total Lumens, 4' rail length (1219mm)	2083	2149	2192	2192
Lumens per foot (305mm)	521	537	548	548
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	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_S2_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911524 (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-35-S2-WH

[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, micro 3508, 60° symmetric lens,

[MORE] standard output, black anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2192
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.94
Spacing Criterion (90-270)	1.14
Spacing Criterion (Diagonal)	1.04
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 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	42371	74150	113217
55	25878	43130	77874
65	20163	30244	56585
75	17523	23364	40888
85	15769	18923	25231

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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>
0.0	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241
1.0	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241
3.0	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206
5.0	1476.102	1476.102	1476.102	1476.102	1476.102	1477.120	1477.120	1477.120	1477.120	1477.120
7.0	1466.947	1466.947	1466.947	1466.947	1467.964	1467.964	1467.964	1469.999	1469.999	1468.981
9.0	1450.670	1450.670	1451.687	1451.687	1452.704	1453.722	1454.739	1455.756	1456.774	1457.791
11.0	1428.289	1428.289	1429.307	1430.324	1432.358	1434.393	1436.428	1438.462	1440.497	1441.514
13.0	1397.770	1397.770	1398.788	1400.822	1403.874	1406.926	1410.995	1414.047	1418.116	1421.168
15.0	1357.078	1357.078	1359.113	1363.182	1367.251	1372.338	1378.442	1384.545	1389.632	1394.718
17.0	1305.196	1307.231	1310.282	1315.369	1321.473	1329.611	1337.750	1346.905	1355.044	1363.182
19.5	1222.795	1224.829	1229.916	1237.037	1248.227	1259.417	1272.642	1286.885	1300.109	1312.317
22.5	1100.719	1102.753	1110.892	1122.082	1137.341	1155.653	1175.999	1196.345	1216.691	1236.020
25.5	957.279	960.331	969.487	984.746	1005.092	1029.508	1056.975	1085.459	1114.961	1142.428
29.0	778.235	781.286	792.477	810.788	835.203	864.705	899.293	935.916	974.573	1011.196
33.0	582.913	586.982	598.172	616.484	640.899	674.470	711.093	752.802	797.563	842.324
37.5	402.851	405.903	416.076	431.335	453.716	483.218	516.788	558.498	604.276	650.055
42.5	264.498	266.533	273.654	284.844	301.121	323.501	349.951	382.505	420.145	459.820
47.5	179.045	180.062	185.149	192.270	203.460	218.720	237.031	259.412	285.861	316.380
55.0	109.868	109.868	112.920	116.990	123.093	130.214	140.387	151.578	166.837	183.114
65.0	63.073	64.090	65.107	66.125	69.176	72.228	76.298	81.384	87.488	94.609
75.0	33.571	33.571	33.571	34.588	35.606	36.623	37.640	39.675	41.709	44.761
85.0	10.173	10.173	10.173	10.173	11.190	11.190	11.190	11.190	11.190	12.208
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	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241
1.0	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241	1484.241
3.0	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206	1482.206
5.0	1478.137	1478.137	1478.137	1478.137	1478.137	1478.137	1478.137	1478.137	1479.154
7.0	1471.016	1471.016	1471.016	1472.033	1472.033	1472.033	1472.033	1472.033	1472.033
9.0	1458.808	1459.826	1460.843	1460.843	1461.860	1461.860	1461.860	1462.877	1461.860
11.0	1443.549	1445.583	1446.601	1447.618	1447.618	1448.635	1448.635	1449.653	1449.653
13.0	1424.220	1426.255	1428.289	1430.324	1431.341	1431.341	1432.358	1432.358	1432.358
15.0	1399.805	1403.874	1405.909	1408.961	1409.978	1410.995	1410.995	1412.012	1412.012
17.0	1370.303	1375.390	1380.476	1383.528	1385.563	1386.580	1386.580	1387.597	1387.597
19.5	1322.490	1331.646	1338.767	1342.836	1345.888	1347.923	1348.940	1347.923	1347.923
22.5	1253.314	1266.539	1277.729	1284.850	1289.936	1291.971	1292.988	1292.988	1292.988
25.5	1166.843	1187.189	1202.449	1213.639	1220.760	1223.812	1224.829	1224.829	1224.829
29.0	1045.784	1074.269	1096.649	1112.926	1122.082	1127.168	1129.203	1130.220	1130.220
33.0	887.086	923.708	955.245	976.608	990.850	998.989	1002.041	1003.058	1003.058
37.5	697.868	741.612	778.235	806.719	826.048	838.255	844.359	846.394	846.394
42.5	502.546	545.273	583.930	615.467	639.882	655.141	665.314	670.401	671.418
47.5	349.951	384.539	418.110	447.612	473.045	491.356	504.581	511.702	513.737
55.0	202.443	223.806	246.187	268.567	288.913	307.225	320.450	328.588	330.623
65.0	102.747	112.920	124.111	135.301	147.509	158.699	167.855	173.958	177.010
75.0	47.813	51.882	55.952	61.038	66.125	70.194	74.263	77.315	78.332
85.0	12.208	13.225	13.225	14.242	14.242	15.260	15.260	16.277	16.277
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	505.57	N.A.	23.10
0-30	994.48	N.A.	45.40
0-40	1405.9	N.A.	64.10
0-60	1927.92	N.A.	87.90
0-80	2155.00	N.A.	98.30
0-90	2192.12	N.A.	100.00
10-90	2078.25	N.A.	94.80
20-40	900.33	N.A.	41.10
20-50	1250.59	N.A.	57.00
40-70	668.54	N.A.	30.50
60-80	227.08	N.A.	10.40
70-80	80.56	N.A.	3.70
80-90	37.11	N.A.	1.70
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	2192.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.86
10-20	391.71
20-30	488.91
30-40	411.42
40-50	350.26
50-60	171.76
60-70	146.52
70-80	80.56
80-90	37.11
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

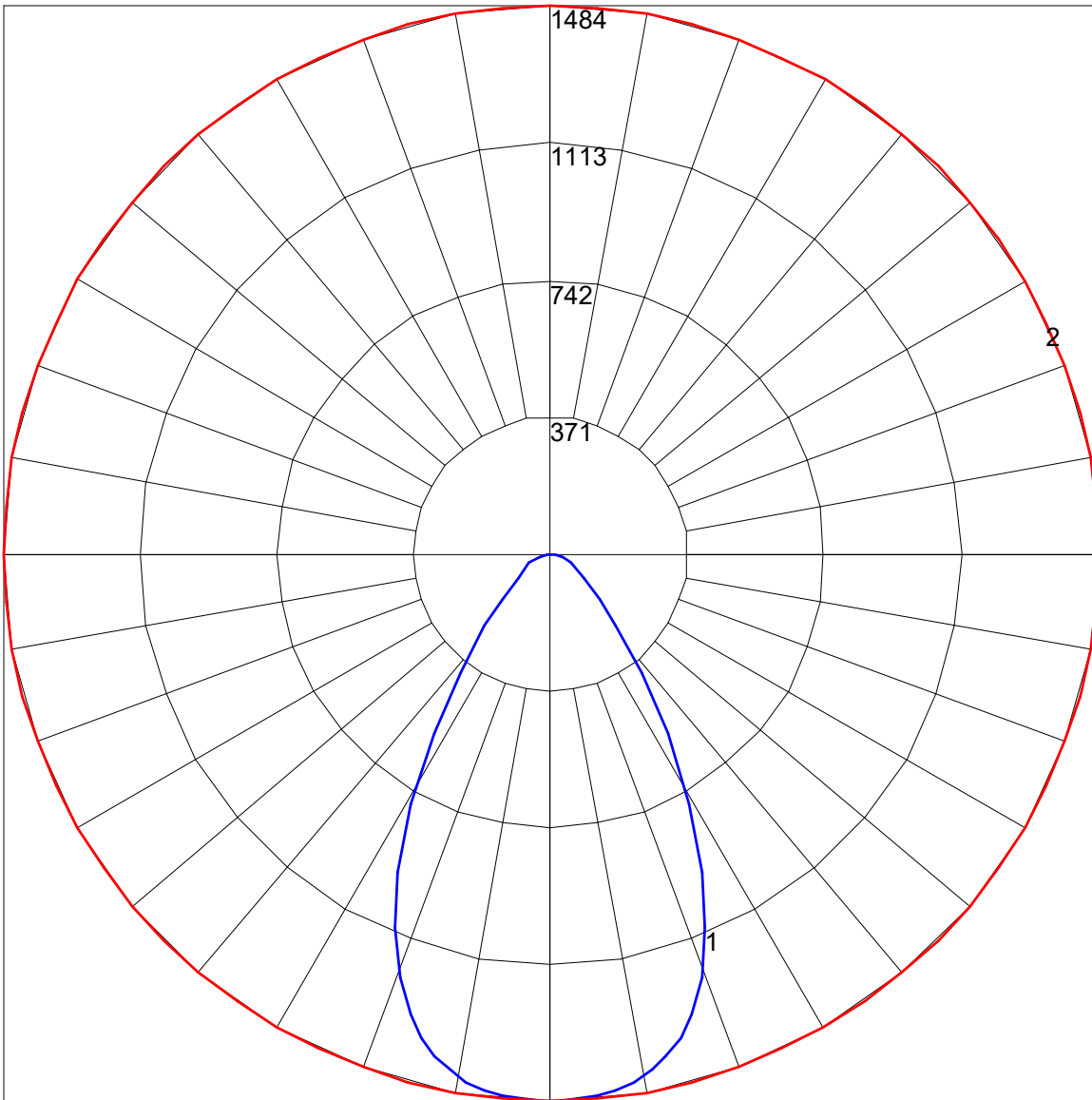
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	103	100	108	104	101	98	100	98	95	96	94	92	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	61
5	83	72	64	58	81	71	63	58	69	62	58	67	61	57	65	60	56	55
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	44	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	39	38
10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	40	37	35

POLAR GRAPH



Maximum Candela = 1484.241 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.)