

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-BL-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	116	119	122	122
Total Lumens, 4' rail length (1219mm)	3012	3107	3170	3170
Lumens per foot (305mm)	753	777	793	793
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_S3_BL.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] 5/12/2021
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-CC-Z-SO-35-S3-BL
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board, micro 3508, 120° 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	3171
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
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	53113	46341	31790
55	48574	44020	30635
65	38206	36708	28187
75	24771	24771	21713
85	15439	14076	11352

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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	970.542	970.542	970.542	970.542	970.542	970.542	970.542	970.542	970.542	970.542
5	978.724	978.724	978.724	977.701	977.701	976.678	974.633	974.633	972.588	971.565
10	1009.405	1009.405	1007.359	1004.291	1002.246	998.155	994.064	988.951	983.837	978.724
15	1054.404	1053.381	1051.336	1046.222	1039.063	1030.882	1021.677	1010.428	999.178	986.905
20	1101.448	1100.425	1095.312	1088.153	1078.948	1065.653	1050.313	1032.927	1014.518	994.064
25	1134.174	1132.129	1127.015	1118.834	1105.539	1089.175	1070.767	1048.267	1022.700	996.110
30	1139.288	1138.265	1133.152	1123.947	1111.675	1094.289	1072.812	1048.267	1018.609	985.883
35	1114.743	1113.720	1108.607	1100.425	1088.153	1071.790	1051.336	1025.768	995.087	960.315
40	1057.472	1056.449	1052.358	1045.199	1035.995	1021.677	1003.269	979.747	949.066	914.294
45	970.542	969.520	966.451	961.338	954.179	942.929	927.589	907.135	880.545	846.796
50	856.000	856.000	854.977	851.909	846.796	838.614	827.364	811.001	788.502	758.843
55	719.981	719.981	718.958	718.958	715.890	711.799	704.640	693.391	676.005	652.483
60	569.644	569.644	570.667	570.667	570.667	569.644	565.553	558.394	547.144	530.781
65	417.262	417.262	418.284	419.307	421.352	421.352	420.330	417.262	411.125	400.898
70	277.152	278.174	279.197	280.220	281.242	283.288	283.288	282.265	279.197	274.084
75	165.677	166.700	166.700	167.723	168.745	168.745	169.768	168.745	167.723	165.677
80	87.952	87.952	87.952	88.975	88.975	88.975	88.975	87.952	86.929	85.907
85	34.772	34.772	34.772	34.772	34.772	34.772	33.749	33.749	32.726	31.704
90	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	970.542	970.542	970.542	970.542	970.542	970.542	970.542	970.542	970.542
5	971.565	969.520	968.497	967.474	966.451	966.451	965.429	965.429	965.429
10	972.588	967.474	962.361	958.270	953.156	951.111	948.043	947.020	945.997
15	973.610	962.361	951.111	940.884	931.680	924.521	919.407	916.339	915.316
20	973.610	953.156	933.725	916.339	900.999	888.726	879.522	874.408	872.363
25	966.451	937.816	910.203	883.613	863.159	844.750	831.455	824.296	821.228
30	950.088	914.294	878.499	844.750	817.137	793.615	777.252	768.048	764.980
35	919.407	878.499	837.591	797.706	764.980	738.389	718.958	707.708	704.640
40	873.386	829.410	785.434	743.503	707.708	679.073	658.619	647.369	643.278
45	807.933	764.980	721.003	679.073	644.301	615.665	596.234	584.984	580.894
50	724.072	685.209	644.301	606.461	574.757	549.190	531.804	521.577	518.509
55	622.824	590.098	556.349	524.645	499.078	478.624	464.306	456.124	454.079
60	508.282	483.737	458.170	434.647	416.239	401.921	391.694	385.558	383.512
65	386.581	371.240	354.877	340.559	328.287	319.082	312.946	309.878	307.833
70	266.925	258.743	250.561	243.403	237.266	232.153	229.085	228.062	227.039
75	162.609	158.518	155.450	151.360	149.314	147.269	146.246	145.223	145.223
80	83.861	81.816	80.793	78.748	77.725	76.702	75.680	75.680	75.680
85	30.681	29.658	28.636	27.613	26.590	26.590	25.567	25.567	25.567
90	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	372.34	N.A.	11.70
0-30	826.93	N.A.	26.10
0-40	1409.17	N.A.	44.40
0-60	2579.08	N.A.	81.30
0-80	3131.16	N.A.	98.80
0-90	3170.76	N.A.	100.00
10-90	3077.78	N.A.	97.10
20-40	1036.83	N.A.	32.70
20-50	1658.09	N.A.	52.30
40-70	1546.39	N.A.	48.80
60-80	552.08	N.A.	17.40
70-80	175.60	N.A.	5.50
80-90	39.60	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	3170.76	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.98
10-20	279.36
20-30	454.59
30-40	582.24
40-50	621.26
50-60	548.64
60-70	376.48
70-80	175.60
80-90	39.60
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

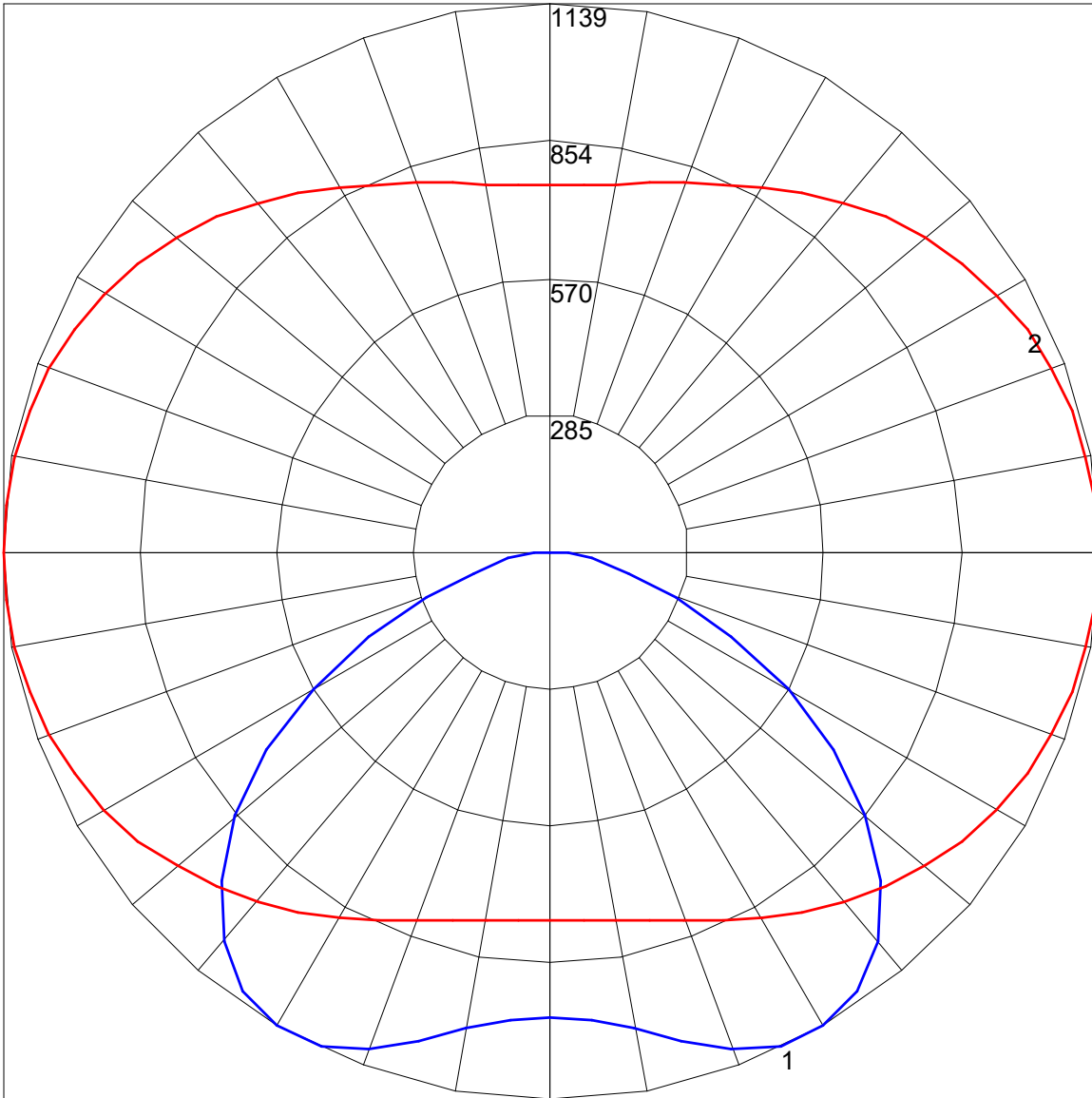
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	79	97	89	83	78	86	81	76	82	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 = 1139.288 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.)