

IES Report

ZipTwo® | 707 | Diffuse with MicroBaffle | 90 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-359-D4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	116	120	122	125
Total Lumens, 4' rail length (1219mm)	3029	3124	3188	3252
Lumens per foot (305mm)	757	781	797	813
Input Power (W), 4' rail length (1219mm)	26.2	26.2	26.2	26.2
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	95	95	95	95

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_SO_359_D4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L121800102 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 12/14/2018
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-SO-359-D4-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] diffuse lens w/microbaffle, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3188
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	26.14
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.24
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31037	27268	23302
55	27070	22747	18666
65	22921	18809	15189
75	19430	15848	12536
85	21272	16752	11168

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	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474
5	1395.578	1396.440	1396.440	1395.578	1395.578	1395.578	1395.578	1394.716	1394.716	1394.716
10	1375.752	1374.890	1374.890	1374.890	1374.890	1374.028	1373.166	1372.304	1371.442	1370.580
15	1339.548	1339.548	1338.686	1337.824	1336.100	1334.376	1332.652	1330.066	1327.480	1324.894
20	1288.690	1287.828	1286.966	1285.242	1282.656	1279.208	1275.760	1270.588	1266.278	1261.106
25	1221.454	1220.592	1218.868	1216.282	1211.972	1207.662	1201.628	1193.870	1186.112	1178.354
30	1138.702	1137.840	1136.116	1131.806	1126.634	1119.738	1111.118	1100.774	1090.430	1078.362
35	1042.158	1041.296	1037.848	1033.538	1026.642	1018.022	1006.816	993.024	979.232	964.578
40	933.546	932.684	928.374	923.202	915.444	904.238	891.308	875.792	859.414	841.312
45	816.314	815.452	812.004	805.108	796.488	785.282	770.628	754.250	736.148	717.184
50	696.496	695.634	691.324	685.290	676.670	664.602	649.948	633.570	615.468	597.366
55	577.540	576.678	573.230	567.196	558.576	547.370	534.440	518.924	501.684	485.306
60	463.756	462.894	460.308	455.136	447.378	437.896	425.828	412.898	399.106	384.452
65	360.316	359.454	356.868	352.558	346.524	338.766	328.422	318.078	306.872	295.666
70	267.220	266.358	264.634	261.186	256.876	250.842	243.946	235.326	226.706	218.948
75	187.054	187.054	185.330	182.744	179.296	175.848	170.676	164.642	158.608	152.574
80	121.542	121.542	120.680	118.956	116.370	113.784	110.336	106.888	102.578	99.130
85	68.960	68.960	68.098	67.236	66.374	63.788	62.064	59.478	56.892	54.306
90	29.308	29.308	28.446	28.446	26.722	25.860	24.998	23.274	21.550	18.964
95	19.826	19.826	19.826	18.964	18.964	18.102	17.240	16.378	14.654	13.792
100	18.964	18.964	18.964	18.964	18.102	17.240	16.378	15.516	13.792	12.930
105	18.964	18.964	18.102	18.102	17.240	16.378	15.516	14.654	13.792	12.930
110	18.102	18.102	18.102	17.240	0.000	0.000	0.000	0.000	0.000	0.000
115	18.102	18.102	17.240	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	17.240	17.240	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. 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	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474	1402.474
5	1394.716	1393.854	1393.854	1393.854	1393.854	1393.854	1393.854	1393.854	1393.854
10	1367.994	1367.132	1366.270	1365.408	1364.546	1363.684	1363.684	1362.822	1362.822
15	1322.308	1319.722	1317.136	1314.550	1311.964	1310.240	1309.378	1308.516	1308.516
20	1255.934	1250.762	1245.590	1241.280	1236.970	1234.384	1230.936	1230.074	1229.212
25	1169.734	1161.114	1153.356	1146.460	1139.564	1134.392	1130.082	1127.496	1127.496
30	1066.294	1054.226	1043.020	1031.814	1023.194	1015.436	1010.264	1006.816	1005.954
35	949.062	933.546	918.892	905.962	894.756	886.136	879.240	874.930	874.068
40	823.210	805.970	789.592	774.938	762.870	752.526	745.630	741.320	739.596
45	698.220	680.118	662.878	648.224	635.294	625.812	618.054	613.744	612.882
50	578.402	561.162	544.784	530.992	519.786	510.304	503.408	499.098	498.236
55	468.928	453.412	438.758	426.690	416.346	408.588	402.554	399.106	398.244
60	370.660	357.730	345.662	336.180	327.560	321.526	316.354	313.768	312.906

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CANDELA TABULATION - (Cont.)

65	284.460	274.978	265.496	257.738	250.842	245.670	242.222	239.636	238.774
70	210.328	203.432	196.536	190.502	185.330	181.020	178.434	175.848	175.848
75	147.402	142.230	137.058	132.748	129.300	125.852	123.266	121.542	120.680
80	94.820	91.372	87.924	84.476	81.890	79.304	77.580	75.856	75.856
85	51.720	49.996	47.410	44.824	42.238	40.514	38.790	37.066	36.204
90	17.240	15.516	13.792	11.206	9.482	7.758	6.034	4.310	3.448
95	12.068	11.206	9.482	7.758	6.034	4.310	3.448	1.724	1.724
100	12.068	10.344	8.620	0.000	0.000	0.000	0.000	0.000	0.000
105	11.206	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

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	505.10	N.A.	15.80
0-30	1045.55	N.A.	32.80
0-40	1645.82	N.A.	51.60
0-60	2637.00	N.A.	82.70
0-80	3100.27	N.A.	97.30
0-90	3161.65	N.A.	99.20
10-90	3029.34	N.A.	95.00
20-40	1140.72	N.A.	35.80
20-50	1694.11	N.A.	53.10
40-70	1288.94	N.A.	40.40
60-80	463.27	N.A.	14.50
70-80	165.51	N.A.	5.20
80-90	61.38	N.A.	1.90
90-110	23.34	N.A.	0.70
90-120	25.80	N.A.	0.80
90-130	26.13	N.A.	0.80
90-150	26.13	N.A.	0.80
90-180	26.13	N.A.	0.80
110-180	2.78	N.A.	0.10
0-180	3187.78	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	132.32
10-20	372.78
20-30	540.46
30-40	600.27
40-50	553.39
50-60	437.79
60-70	297.76
70-80	165.51
80-90	61.38
90-100	14.70
100-110	8.64
110-120	2.45
120-130	0.33
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

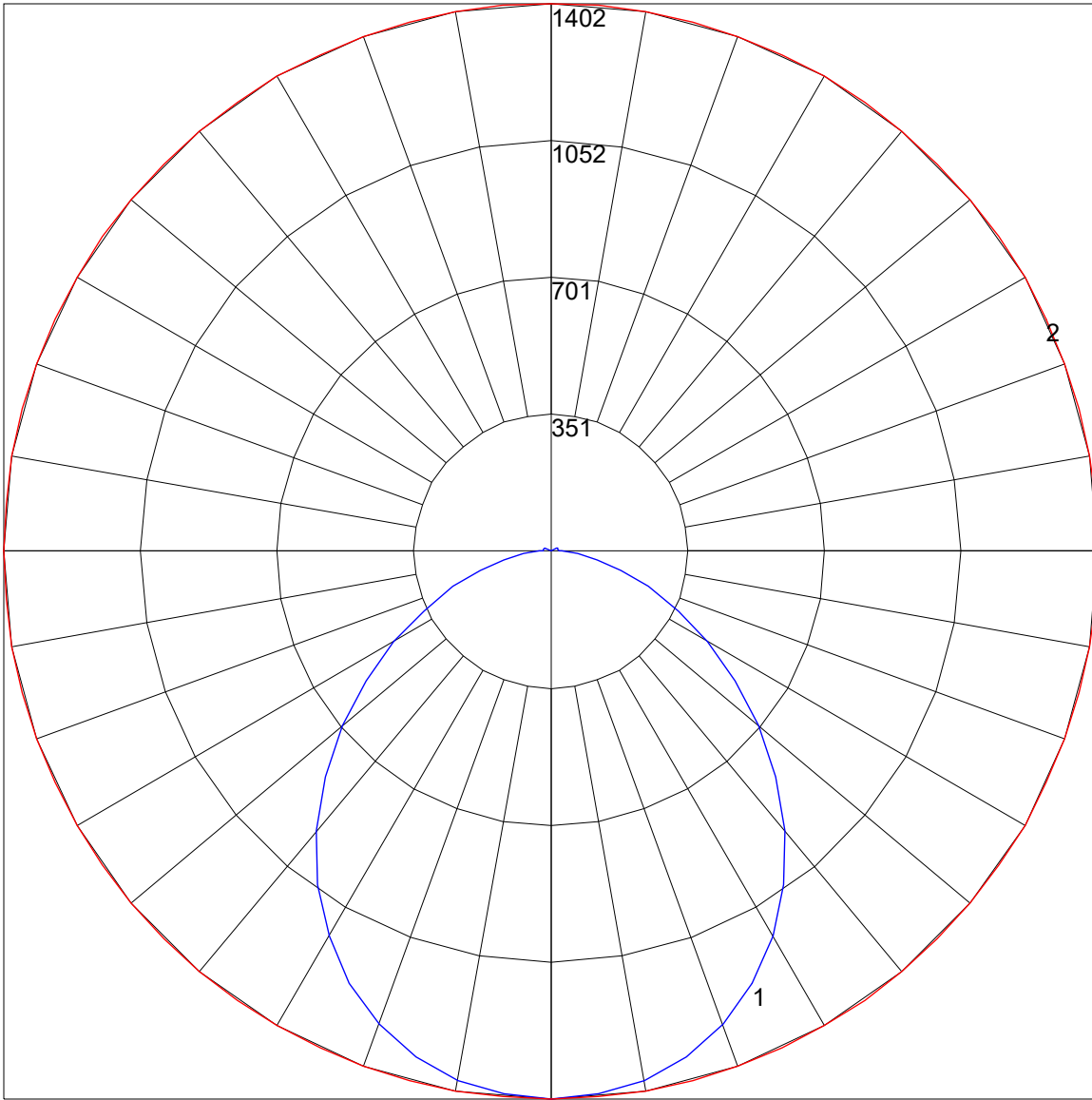
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	101	101	101	99
1	109	105	101	97	107	102	99	96	98	95	92	94	92	89	90	88	87	85
2	100	92	86	81	97	90	85	80	87	82	78	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	68	77	71	66	75	69	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	58	51	76	65	57	51	63	56	50	61	55	50	59	53	49	47
6	73	60	51	45	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	67	55	46	40	66	54	46	40	52	45	40	51	44	39	49	44	39	37
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	45	40	35	34
9	59	46	38	33	58	46	38	33	44	37	33	43	37	32	42	36	32	30
10	55	43	35	30	54	42	35	30	41	34	30	40	34	30	39	34	29	28

POLAR GRAPH



Maximum Candela = 1402.474 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)