

IES Report

ZipTwo® | 707 | 40° Symmetric | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-S1-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	43	44	45	46
Total Lumens, 4' rail length (1219mm)	691	713	727	742
Lumens per foot (305mm)	173	178	182	185
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
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 : 707_Z2_LO_359_S1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704223 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
[ISSUEDATE] 11/1/2017
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-Z-LO-359-S1-AL
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] 40° white symmetric lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	727
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	16.25
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.02 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13991	24012	42448
55	9826	15558	29665
65	8498	11541	20573
75	7593	9235	14664
85	5979	6723	9361

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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	496.245	496.245	496.245	496.245	496.245	496.245	496.245	496.245	496.245	496.245
1.0	496.327	496.368	496.347	496.286	496.327	496.327	496.306	496.266	496.306	496.306
3.0	494.338	494.338	494.419	494.419	494.465	494.547	494.613	494.761	494.843	494.929
5.0	489.549	489.529	489.702	489.850	490.039	490.462	490.758	491.120	491.671	492.007
7.0	481.124	481.251	481.486	481.950	482.460	483.159	483.959	484.831	485.760	486.673
9.0	469.603	468.037	468.460	469.225	470.154	471.174	472.699	474.137	475.830	477.355
11.0	455.165	455.333	456.052	457.322	458.847	460.668	462.871	465.202	467.848	470.368
13.0	436.825	437.248	438.223	439.921	442.185	444.914	447.964	451.416	455.124	458.786
15.0	415.951	416.435	417.833	420.016	423.086	426.748	431.006	435.407	440.365	445.296
17.0	391.512	392.108	393.970	396.831	400.809	405.618	411.101	417.221	423.570	429.986
19.5	358.907	359.647	361.978	365.599	370.571	376.885	384.020	391.915	400.279	408.709
22.5	314.440	315.394	318.189	322.657	328.945	336.840	345.734	355.985	366.848	378.007
25.5	268.449	269.509	272.748	277.935	285.263	294.556	305.164	317.511	330.786	344.230
29.0	218.010	219.157	222.503	227.944	235.819	245.708	257.249	270.927	286.110	301.818
33.0	167.234	168.254	171.533	176.700	184.110	193.790	205.561	219.239	235.227	252.124
37.5	121.625	122.471	125.118	129.545	135.726	144.259	154.510	167.066	181.698	198.130
42.5	85.629	86.287	88.276	91.514	96.344	102.847	110.848	120.865	132.931	146.844
47.5	62.296	62.761	64.138	66.468	69.834	74.322	80.146	87.322	96.257	107.039
55.0	42.136	42.350	43.131	44.171	45.925	48.343	51.413	55.437	60.578	66.718
65.0	26.851	26.933	27.229	27.673	28.351	29.264	30.472	31.992	34.007	36.465
75.0	14.693	14.739	14.821	14.968	15.203	15.499	15.861	16.391	17.065	17.870
85.0	3.896	3.896	3.917	3.917	3.958	4.003	4.065	4.151	4.258	4.381
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	496.245	496.245	496.245	496.245	496.245	496.245	496.245	496.245	496.245
1.0	496.306	496.266	496.306	496.266	496.240	496.327	496.286	496.347	496.199
3.0	495.098	495.205	495.266	495.414	495.541	495.628	495.689	495.649	495.776
5.0	492.517	492.920	493.364	493.700	494.017	494.231	494.445	494.486	494.547
7.0	487.667	488.575	489.447	490.248	490.865	491.416	491.880	492.094	492.175
9.0	479.216	480.741	482.353	483.709	484.979	486.249	487.096	487.601	488.876
11.0	472.974	475.575	477.819	479.854	481.715	483.159	484.133	484.786	485.020
13.0	462.555	466.155	469.521	472.525	474.963	477.079	478.564	479.431	479.726
15.0	450.355	455.144	459.612	463.677	467.022	469.690	471.724	472.887	473.249
17.0	436.361	442.522	448.259	453.492	457.725	461.264	463.784	465.370	465.880
19.5	417.241	425.243	432.505	439.135	444.618	449.045	452.350	454.252	455.078
22.5	389.293	399.901	409.596	418.215	425.539	431.195	435.474	437.927	438.733
25.5	358.015	371.142	383.255	393.990	402.905	410.086	415.293	418.343	419.424
29.0	318.230	334.024	348.488	361.702	372.438	381.307	387.386	390.986	392.149
33.0	270.336	288.288	305.332	320.963	333.474	343.470	350.416	354.414	355.812
37.5	216.531	235.227	253.710	270.417	284.223	295.086	302.772	307.198	308.677
42.5	163.083	180.132	197.452	214.200	227.878	238.654	246.299	250.726	252.103
47.5	119.488	133.503	148.135	162.598	174.731	184.492	191.500	195.417	196.712
55.0	74.322	83.150	92.427	101.806	110.614	117.749	122.895	125.965	127.214
65.0	39.617	43.345	47.557	52.091	56.258	60.007	62.740	64.454	65.005
75.0	18.931	20.201	21.706	23.358	24.924	26.362	27.484	28.183	28.376
85.0	4.554	4.743	4.998	5.273	5.508	5.737	5.931	6.054	6.100
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	163.32	N.A.	22.50
0-30	314.79	N.A.	43.30
0-40	444.40	N.A.	61.10
0-60	625.64	N.A.	86.00
0-80	712.82	N.A.	98.00
0-90	727.27	N.A.	100.00
10-90	689.52	N.A.	94.80
20-40	281.08	N.A.	38.60
20-50	399.66	N.A.	55.00
40-70	236.99	N.A.	32.60
60-80	87.18	N.A.	12.00
70-80	31.43	N.A.	4.30
80-90	14.45	N.A.	2.00
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	727.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	37.75
10-20	125.57
20-30	151.47
30-40	129.61
40-50	118.58
50-60	62.66
60-70	55.75
70-80	31.43
80-90	14.45
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

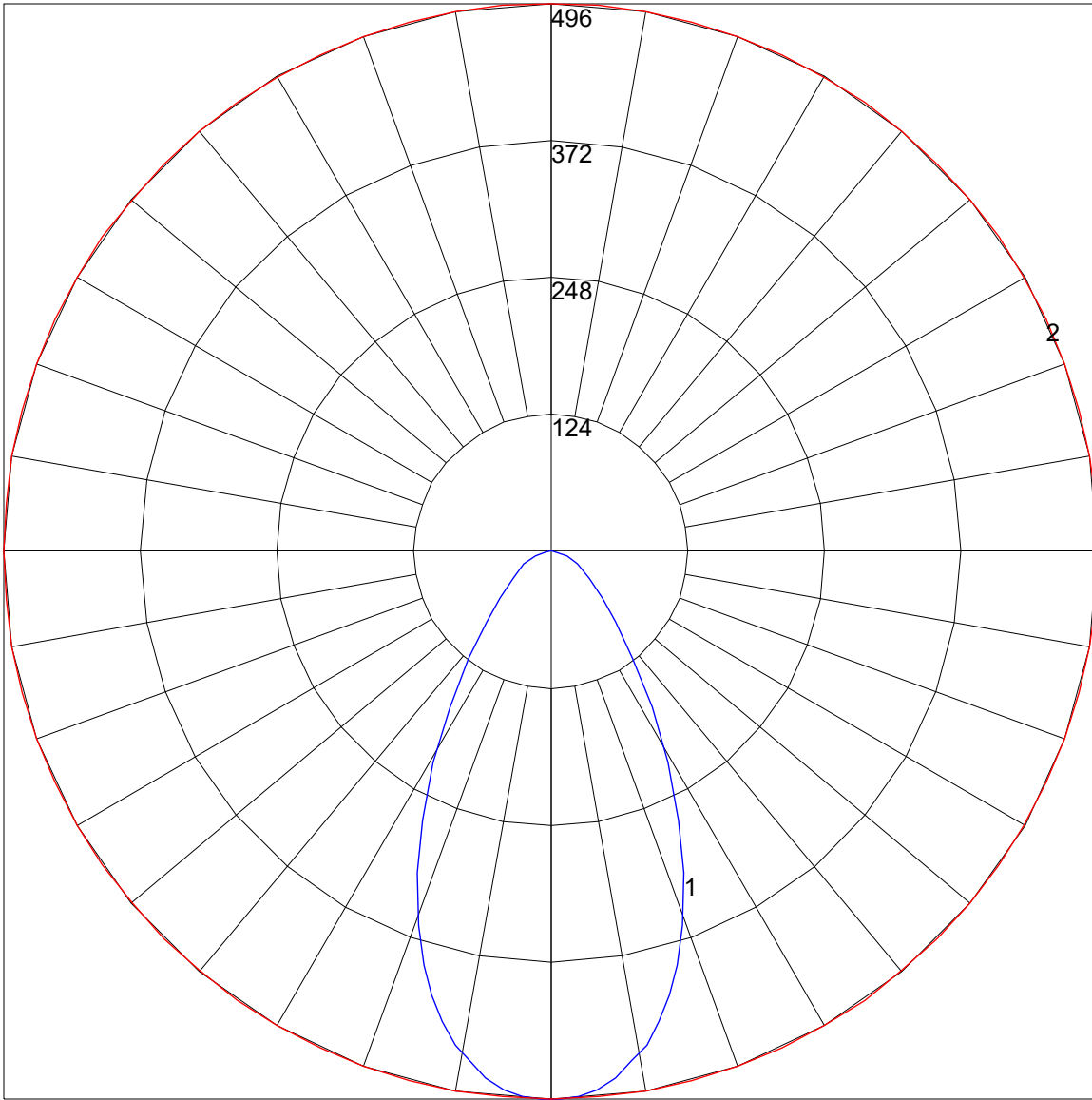
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94	96	94	92	92	90	89	87
2	102	95	89	84	99	93	88	83	90	85	81	86	83	79	83	80	78	76
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	68	63	71	66	62	69	65	61	59
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53
6	76	65	57	51	75	64	56	51	62	55	50	60	55	50	59	54	50	48
7	72	60	52	46	70	59	51	46	57	51	46	56	50	46	55	49	45	43
8	67	55	47	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	35	45	39	35	34

POLAR GRAPH



Maximum Candela = 496.368 Located At Horizontal Angle = 5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (5 - 185) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)