



IES Report

ZipTwo® | 707 | 40° Symmetric | 80 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-35-S1-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	38	39	40	40
Total Lumens, 4' rail length (1219mm)	555	573	584	584
Lumens per foot (305mm)	139	143	146	146
Input Power (W), 4' rail length (1219mm)	14.9	14.9	14.9	14.9
Watts per foot (305mm)	3.8	3.8	3.8	3.8
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_LO_35_S1_BL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911527 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-LO-35-S1-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, 40° black symmetric lens,

[MORE] low 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	584
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.01 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	18809	33830	58659
55	8932	17199	33552
65	5035	9652	19705
75	3300	6012	12382
85	2570	3993	6780

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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	530.126	530.126	530.126	530.126	530.126	530.126	530.126	530.126	530.126	530.126
1.0	530.665	530.642	530.665	530.619	530.764	530.665	530.665	530.665	530.688	530.665
3.0	527.701	527.701	527.649	527.556	527.823	527.893	528.160	528.258	528.380	528.600
5.0	518.851	518.926	519.019	519.361	519.605	520.214	520.846	521.548	522.232	522.957
7.0	505.093	505.192	505.627	506.282	507.135	508.109	509.321	510.876	512.384	513.967
9.0	487.101	487.322	487.954	489.021	490.552	492.281	494.467	496.706	499.136	501.590
11.0	465.224	465.543	466.390	467.973	470.090	472.613	475.583	478.935	482.705	486.324
13.0	440.481	440.991	442.227	444.147	446.896	450.277	454.140	458.734	463.379	468.582
15.0	412.861	413.447	415.054	417.432	420.813	425.308	430.198	435.882	441.867	448.282
17.0	383.740	383.914	385.978	388.994	393.246	398.228	403.895	410.971	418.360	425.726
19.5	343.534	344.410	346.672	350.291	355.302	361.253	368.451	376.426	385.248	394.632
22.5	295.498	296.426	299.048	303.160	308.943	316.141	324.597	334.057	344.410	355.128
25.5	247.463	248.559	251.355	255.803	262.073	270.170	279.409	290.006	301.623	313.757
29.0	194.863	195.883	198.679	203.273	209.908	218.219	227.923	239.250	251.743	264.799
33.0	142.790	143.712	146.438	150.690	156.867	164.668	174.052	185.090	197.560	210.639
37.5	96.460	97.260	99.470	103.118	108.153	115.055	123.198	132.803	143.591	155.649
42.5	60.529	61.039	62.692	65.296	69.061	74.194	80.318	87.951	96.872	106.546
47.5	37.920	38.286	39.330	41.180	43.778	47.282	51.562	56.979	63.400	70.522
55.0	18.960	19.128	19.691	20.636	22.023	23.873	26.135	29.023	32.550	36.511
65.0	7.876	7.975	8.219	8.607	9.164	9.872	10.840	12.006	13.392	15.097
75.0	3.161	3.184	3.283	3.381	3.619	3.892	4.228	4.669	5.156	5.759
85.0	0.829	0.829	0.829	0.853	0.922	0.945	1.021	1.067	1.189	1.288
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	530.126	530.126	530.126	530.126	530.126	530.126	530.126	530.126	530.126
1.0	530.764	530.688	530.712	530.688	530.688	530.642	530.619	530.688	530.862
3.0	528.844	529.035	529.209	529.378	529.569	529.668	529.888	529.958	529.934
5.0	523.665	524.395	525.028	525.631	526.193	526.530	526.872	527.162	527.359
7.0	515.353	517.029	518.508	519.581	520.527	521.693	522.255	522.644	522.887
9.0	504.409	506.868	509.130	511.340	513.306	514.837	516.154	516.884	516.855
11.0	490.460	494.102	497.460	500.592	503.631	505.969	507.744	508.689	509.321
13.0	473.953	478.691	483.384	488.366	491.939	495.320	497.895	499.258	499.600
15.0	454.795	461.431	467.486	473.152	478.135	482.287	485.135	487.130	488.273
17.0	433.718	441.305	449.106	456.158	462.185	467.439	471.111	473.611	474.562
19.5	404.161	413.447	422.344	431.242	439.019	445.318	450.422	453.264	454.239
22.5	366.653	377.690	388.432	399.127	408.146	415.489	421.370	425.239	426.138
25.5	326.540	339.085	351.120	363.202	373.410	381.773	388.606	393.124	394.777
29.0	278.632	292.680	305.857	318.397	329.533	339.474	346.527	351.167	353.261
33.0	224.738	238.931	252.474	265.965	277.002	287.019	294.918	299.292	300.411
37.5	169.116	182.149	195.054	207.843	218.759	227.899	234.825	239.273	241.390
42.5	117.340	128.180	139.386	150.203	159.639	167.637	173.832	177.677	179.208
47.5	78.665	87.052	95.654	104.139	111.383	118.071	123.122	126.336	127.815
55.0	41.058	46.017	51.144	56.446	61.138	65.366	68.649	70.714	71.224
65.0	16.994	19.157	21.390	23.751	25.961	27.881	29.534	30.531	30.821
75.0	6.513	7.267	8.120	9.019	9.843	10.649	11.258	11.646	11.861
85.0	1.409	1.531	1.653	1.798	1.897	1.995	2.117	2.140	2.187
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	166.86	N.A.	28.60
0-30	308.05	N.A.	52.70
0-40	416.77	N.A.	71.30
0-60	539.76	N.A.	92.40
0-80	579.55	N.A.	99.20
0-90	584.24	N.A.	100.00
10-90	544.25	N.A.	93.20
20-40	249.91	N.A.	42.80
20-50	335.24	N.A.	57.40
40-70	150.52	N.A.	25.80
60-80	39.79	N.A.	6.80
70-80	12.26	N.A.	2.10
80-90	4.69	N.A.	0.80
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	584.24	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	39.99
10-20	126.87
20-30	141.19
30-40	108.72
40-50	85.34
50-60	37.65
60-70	27.53
70-80	12.26
80-90	4.69
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

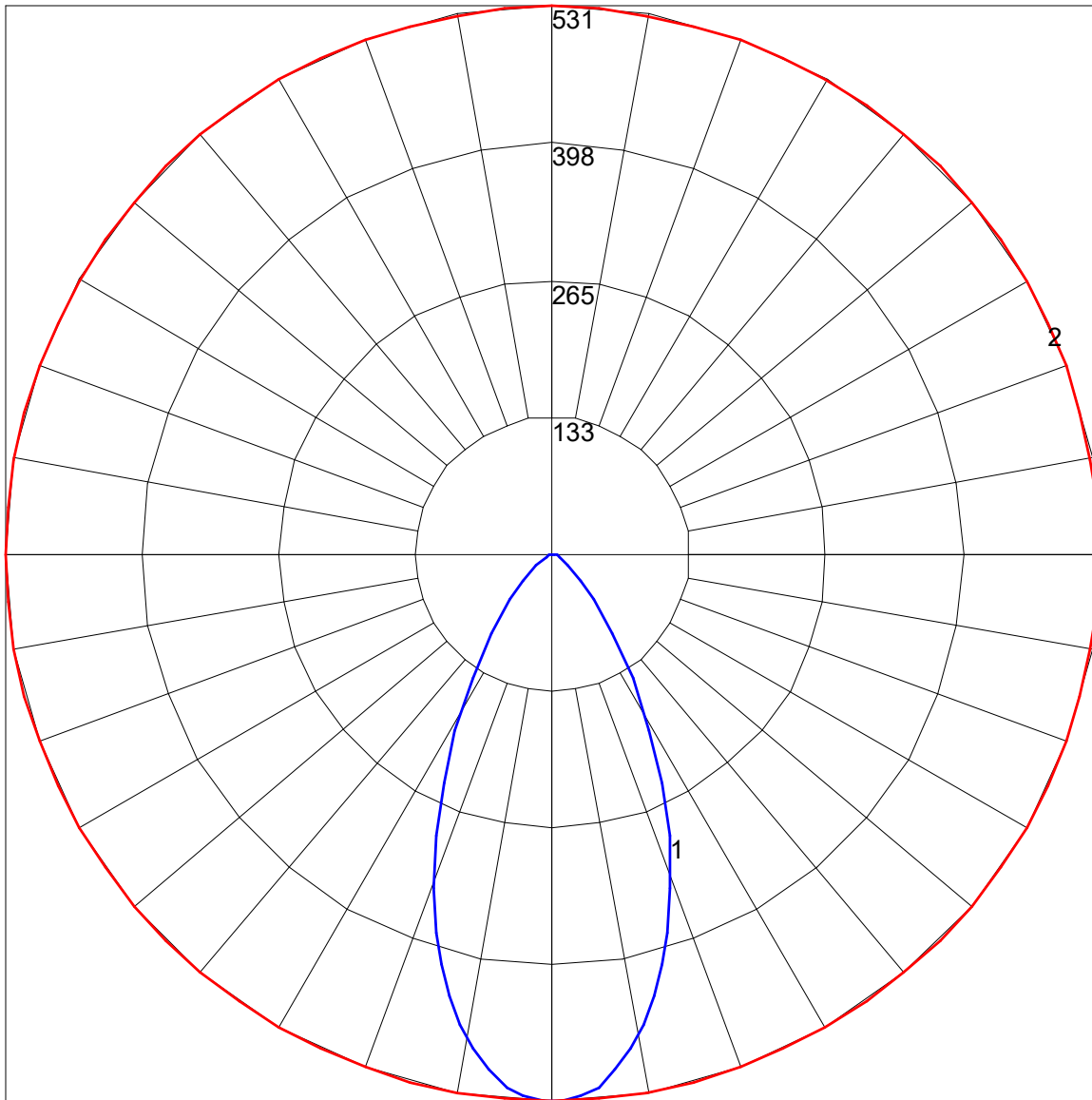
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	108	105	102	109	106	103	101	102	100	97	98	96	94	95	93	92	90
2	104	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80
3	98	90	83	78	96	88	82	78	85	81	77	83	79	75	80	77	74	72
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	70	67	65
5	86	76	69	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	72	60	53	49	70	60	53	48	59	53	48	57	52	48	56	51	48	46
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40

POLAR GRAPH



Maximum Candela = 530.862 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)