



IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	33	34	34	35
Total Lumens, 4' rail length (1219mm)	478	494	504	509
Lumens per foot (305mm)	120	123	126	127
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	94	94	94	94

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_359_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-359-S1-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 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	504
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	34
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	16215	29164	50568
55	7700	14827	28924
65	4341	8321	16987
75	2845	5183	10674
85	2217	3441	5844

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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	457.005	457.005	457.005	457.005	457.005	457.005	457.005	457.005	457.005	457.005
1.0	457.470	457.450	457.470	457.430	457.555	457.470	457.470	457.470	457.490	457.470
3.0	454.915	454.915	454.870	454.790	455.020	455.080	455.310	455.395	455.500	455.690
5.0	447.285	447.350	447.430	447.725	447.935	448.460	449.005	449.610	450.200	450.825
7.0	435.425	435.510	435.885	436.450	437.185	438.025	439.070	440.410	441.710	443.075
9.0	419.915	420.105	420.650	421.570	422.890	424.380	426.265	428.195	430.290	432.405
11.0	401.055	401.330	402.060	403.425	405.250	407.425	409.985	412.875	416.125	419.245
13.0	379.725	380.165	381.230	382.885	385.255	388.170	391.500	395.460	399.465	403.950
15.0	355.915	356.420	357.805	359.855	362.770	366.645	370.860	375.760	380.920	386.450
17.0	330.810	330.960	332.740	335.340	339.005	343.300	348.185	354.285	360.655	367.005
19.5	296.150	296.905	298.855	301.975	306.295	311.425	317.630	324.505	332.110	340.200
22.5	254.740	255.540	257.800	261.345	266.330	272.535	279.825	287.980	296.905	306.145
25.5	213.330	214.275	216.685	220.520	225.925	232.905	240.870	250.005	260.020	270.480
29.0	167.985	168.865	171.275	175.235	180.955	188.120	196.485	206.250	217.020	228.275
33.0	123.095	123.890	126.240	129.905	135.230	141.955	150.045	159.560	170.310	181.585
37.5	83.155	83.845	85.750	88.895	93.235	99.185	106.205	114.485	123.785	134.180
42.5	52.180	52.620	54.045	56.290	59.535	63.960	69.240	75.820	83.510	91.850
47.5	32.690	33.005	33.905	35.500	37.740	40.760	44.450	49.120	54.655	60.795
55.0	16.345	16.490	16.975	17.790	18.985	20.580	22.530	25.020	28.060	31.475
65.0	6.790	6.875	7.085	7.420	7.900	8.510	9.345	10.350	11.545	13.015
75.0	2.725	2.745	2.830	2.915	3.120	3.355	3.645	4.025	4.445	4.965
85.0	0.715	0.715	0.715	0.735	0.795	0.815	0.880	0.920	1.025	1.110
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	457.005	457.005	457.005	457.005	457.005	457.005	457.005	457.005	457.005
1.0	457.555	457.490	457.510	457.490	457.490	457.450	457.430	457.490	457.640
3.0	455.900	456.065	456.215	456.360	456.525	456.610	456.800	456.860	456.840
5.0	451.435	452.065	452.610	453.130	453.615	453.905	454.200	454.450	454.620
7.0	444.270	445.715	446.990	447.915	448.730	449.735	450.220	450.555	450.765
9.0	434.835	436.955	438.905	440.810	442.505	443.825	444.960	445.590	445.565
11.0	422.810	425.950	428.845	431.545	434.165	436.180	437.710	438.525	439.070
13.0	408.580	412.665	416.710	421.005	424.085	427.000	429.220	430.395	430.690
15.0	392.065	397.785	403.005	407.890	412.185	415.765	418.220	419.940	420.925
17.0	373.895	380.435	387.160	393.240	398.435	402.965	406.130	408.285	409.105
19.5	348.415	356.420	364.090	371.760	378.465	383.895	388.295	390.745	391.585
22.5	316.080	325.595	334.855	344.075	351.850	358.180	363.250	366.585	367.360
25.5	281.500	292.315	302.690	313.105	321.905	329.115	335.005	338.900	340.325
29.0	240.200	252.310	263.670	274.480	284.080	292.650	298.730	302.730	304.535
33.0	193.740	205.975	217.650	229.280	238.795	247.430	254.240	258.010	258.975
37.5	145.790	157.025	168.150	179.175	188.585	196.465	202.435	206.270	208.095
42.5	101.155	110.500	120.160	129.485	137.620	144.515	149.855	153.170	154.490
47.5	67.815	75.045	82.460	89.775	96.020	101.785	106.140	108.910	110.185
55.0	35.395	39.670	44.090	48.660	52.705	56.350	59.180	60.960	61.400
65.0	14.650	16.515	18.440	20.475	22.380	24.035	25.460	26.320	26.570
75.0	5.615	6.265	7.000	7.775	8.485	9.180	9.705	10.040	10.225
85.0	1.215	1.320	1.425	1.550	1.635	1.720	1.825	1.845	1.885
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	143.85	N.A.	28.60
0-30	265.56	N.A.	52.70
0-40	359.28	N.A.	71.30
0-60	465.31	N.A.	92.40
0-80	499.61	N.A.	99.20
0-90	503.66	N.A.	100.00
10-90	469.18	N.A.	93.20
20-40	215.44	N.A.	42.80
20-50	289.00	N.A.	57.40
40-70	129.76	N.A.	25.80
60-80	34.30	N.A.	6.80
70-80	10.57	N.A.	2.10
80-90	4.05	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	503.66	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	34.48
10-20	109.37
20-30	121.72
30-40	93.72
40-50	73.56
50-60	32.46
60-70	23.73
70-80	10.57
80-90	4.05
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

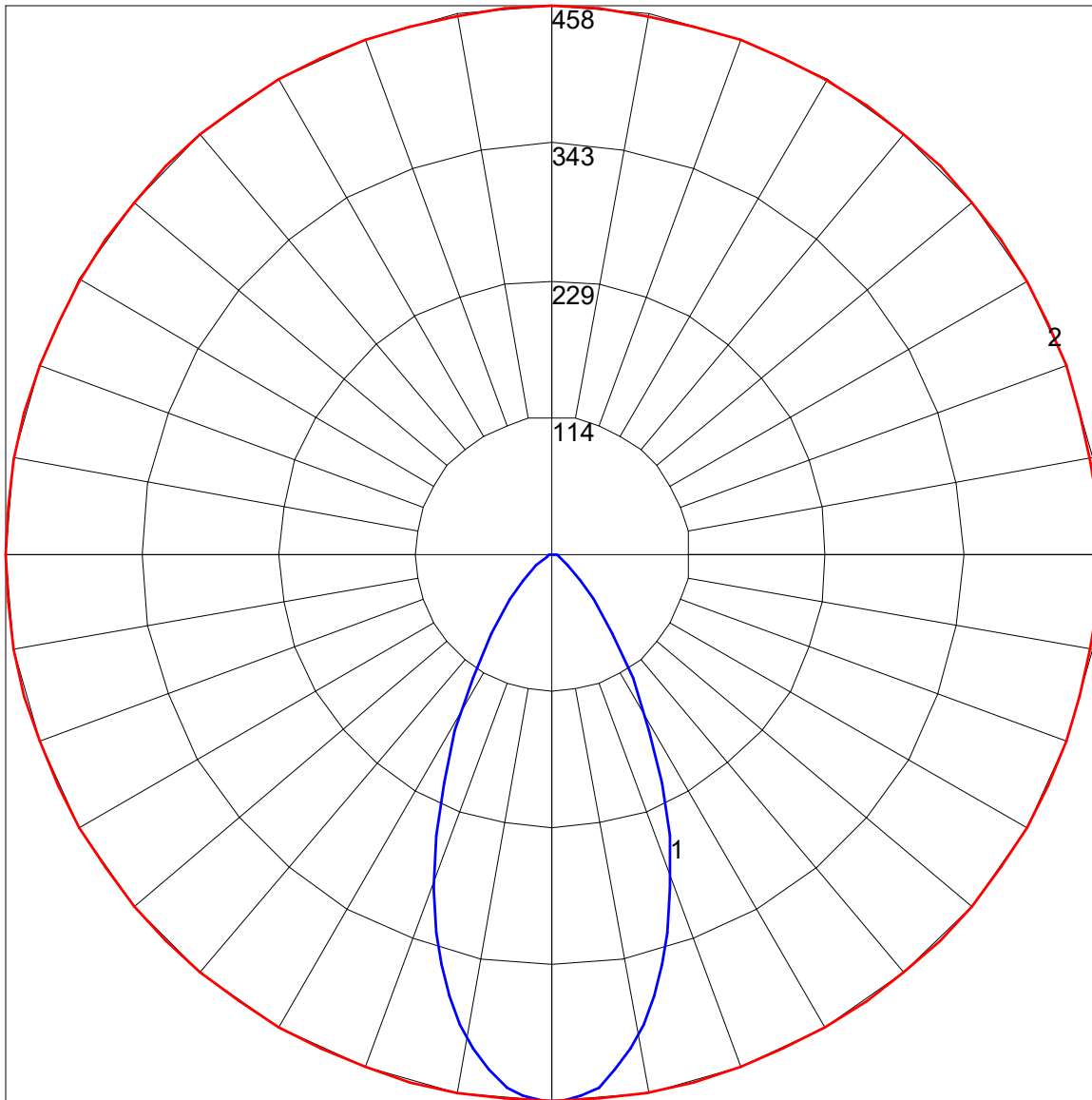
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	102	99	97	98	96	94	94	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	98	90	83	78	95	88	82	78	85	80	76	83	79	75	80	77	74	72
4	91	82	75	70	89	81	75	70	79	73	69	76	72	68	74	70	67	65
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	50
8	72	60	53	48	70	60	53	48	59	52	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 = 457.64 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.)