

## IES Report

# ZipTwo® | 707 | Square 3536, Critical Edge | 90 CRI | LO

707-Z2-4-48-XX-XX-X-0-Z-LO-359-S5-X-BL-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	65	67	69	69
Total Lumens, 4' rail length (1219mm)	963	994	1014	1024
Lumens per foot (305mm)	241	248	253	256
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	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\_LO\_359\_S5\_BL.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011216 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-LO-359-S5-BL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,

[MORE] square 3536, critical edge black lens, low output

[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1014
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	14.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7947	7980	8009
55	7681	7700	7724
65	7372	7370	7360
75	7094	7017	6924
85	7671	7418	7128

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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>
<b>0</b>	349.895	349.895	349.895	349.895	349.895	349.895	349.895	349.895	349.895	349.895
<b>5</b>	348.750	348.790	348.790	348.815	348.790	348.790	348.815	348.855	348.835	348.875
<b>10</b>	343.930	343.950	344.055	344.055	344.015	344.075	344.140	344.120	344.120	344.140
<b>15</b>	335.925	335.990	336.030	336.010	336.050	336.115	336.200	336.175	336.200	336.300
<b>20</b>	324.315	324.380	324.440	324.485	324.565	324.610	324.715	324.715	324.820	324.880
<b>25</b>	309.940	309.920	309.960	310.045	310.105	310.170	310.295	310.420	310.505	310.590
<b>30</b>	292.880	292.860	292.925	293.050	293.070	293.155	293.320	293.365	293.575	293.720
<b>35</b>	273.475	273.475	273.475	273.580	273.665	273.750	273.960	274.105	274.230	274.400
<b>40</b>	252.310	252.310	252.395	252.435	252.540	252.690	252.795	252.940	253.130	253.275
<b>45</b>	229.345	229.385	229.450	229.510	229.635	229.680	229.825	229.930	230.140	230.285
<b>50</b>	205.120	205.015	205.095	205.095	205.200	205.305	205.430	205.535	205.665	205.790
<b>55</b>	179.805	179.780	179.805	179.845	179.910	179.950	180.035	180.115	180.180	180.265
<b>60</b>	153.775	153.775	153.795	153.795	153.815	153.880	153.965	153.965	154.025	154.025
<b>65</b>	127.160	127.205	127.160	127.205	127.160	127.160	127.180	127.160	127.140	127.120
<b>70</b>	100.715	100.755	100.675	100.695	100.630	100.590	100.525	100.440	100.360	100.275
<b>75</b>	74.940	74.940	74.940	74.875	74.790	74.710	74.625	74.480	74.290	74.120
<b>80</b>	50.125	50.105	50.065	49.980	49.895	49.835	49.645	49.560	49.375	49.165
<b>85</b>	27.285	27.285	27.220	27.180	27.095	26.990	26.865	26.740	26.550	26.385
<b>90</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. 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>
<b>0</b>	349.895	349.895	349.895	349.895	349.895	349.895	349.895	349.895	349.895
<b>5</b>	348.875	348.855	348.855	348.875	348.875	348.895	348.835	348.895	348.835
<b>10</b>	344.225	344.180	344.265	344.225	344.245	344.310	344.310	344.410	344.350
<b>15</b>	336.365	336.365	336.470	336.405	336.450	336.535	336.615	336.575	336.595
<b>20</b>	325.030	325.090	325.155	325.240	325.300	325.300	325.365	325.385	325.365
<b>25</b>	310.780	310.860	310.925	311.070	311.115	311.175	311.175	311.325	311.325
<b>30</b>	293.785	293.970	294.200	294.265	294.330	294.390	294.475	294.535	294.475
<b>35</b>	274.545	274.690	274.815	274.965	275.110	275.155	275.260	275.260	275.280
<b>40</b>	253.420	253.610	253.735	253.860	253.945	254.070	254.155	254.135	254.115
<b>45</b>	230.390	230.535	230.725	230.850	230.955	231.040	231.040	231.145	231.145
<b>50</b>	205.935	206.060	206.185	206.250	206.395	206.460	206.545	206.545	206.585
<b>55</b>	180.390	180.430	180.535	180.620	180.660	180.685	180.790	180.790	180.810
<b>60</b>	154.110	154.090	154.110	154.110	154.235	154.235	154.280	154.195	154.280
<b>65</b>	127.100	127.055	127.035	126.975	126.950	126.910	126.910	126.930	126.950
<b>70</b>	100.130	100.025	99.875	99.795	99.710	99.645	99.540	99.540	99.585
<b>75</b>	73.995	73.830	73.620	73.495	73.325	73.220	73.160	73.115	73.135
<b>80</b>	48.975	48.785	48.555	48.390	48.240	48.115	48.010	48.010	47.990
<b>85</b>	26.175	26.005	25.840	25.670	25.525	25.440	25.355	25.355	25.355
<b>90</b>	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	128.00	N.A.	12.60
0-30	271.13	N.A.	26.70
0-40	442.82	N.A.	43.70
0-60	781.68	N.A.	77.10
0-80	986.07	N.A.	97.30
0-90	1013.78	N.A.	100.00
10-90	980.64	N.A.	96.70
20-40	314.82	N.A.	31.10
20-50	492.46	N.A.	48.60
40-70	464.74	N.A.	45.80
60-80	204.39	N.A.	20.20
70-80	78.51	N.A.	7.70
80-90	27.71	N.A.	2.70
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	1013.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	33.14
10-20	94.86
20-30	143.13
30-40	171.69
40-50	177.64
50-60	161.22
60-70	125.88
70-80	78.51
80-90	27.71
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

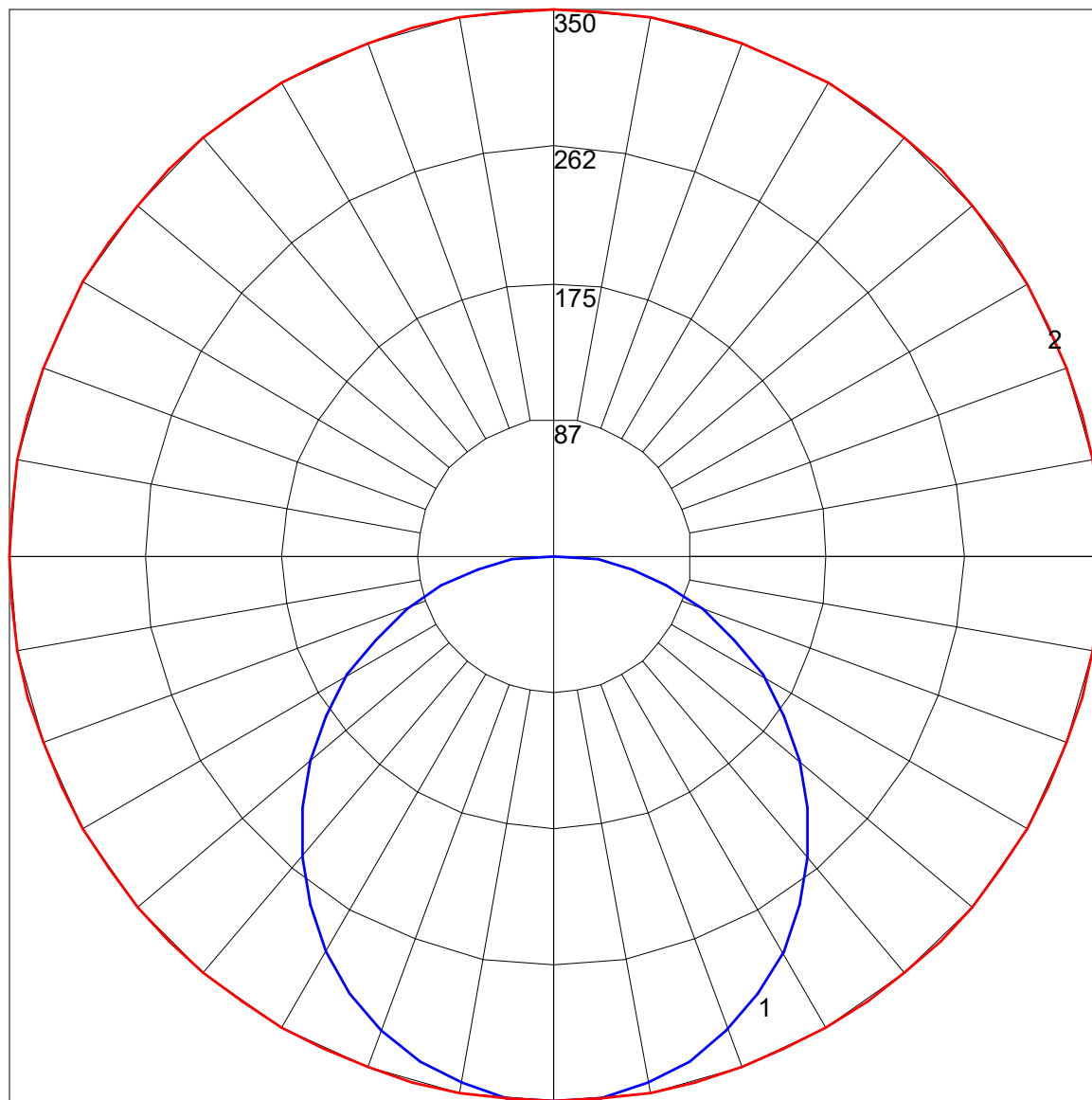
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57
4	82	69	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

POLAR GRAPH



Maximum Candela = 349.895 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)