

## IES Report

# ZipTwo® | 707 | Square, Critical Edge | 90 CRI | HO

707-Z2-4-48-XX-XX-X-0-Z-HO-359-S5-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	62	64	65	66
Total Lumens, 4' rail length (1219mm)	2436	2513	2564	2590
Lumens per foot (305mm)	609	628	641	647
Input Power (W), 4' rail length (1219mm)	39.6	39.6	39.6	39.6
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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\_HO\_359\_S5.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911532 (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-HO-359-S5-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board, critical edge diffuse lens,

[MORE] high output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2564
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	39.55
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 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	19713	19961	20222
55	18805	19023	19250
65	17917	18059	18215
75	17228	17240	17299
85	18087	17877	17734

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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>	929.880	929.880	929.880	929.880	929.880	929.880	929.880	929.880	929.880	929.880
<b>5</b>	925.800	925.425	925.425	925.605	925.545	925.740	925.740	926.040	925.545	925.920
<b>10</b>	909.450	909.450	909.255	909.570	909.570	909.825	910.140	910.200	910.395	910.575
<b>15</b>	882.420	882.225	882.540	882.600	883.050	883.230	883.545	884.055	884.430	885.000
<b>20</b>	845.700	845.580	845.640	846.135	846.390	847.020	847.710	848.280	849.090	849.660
<b>25</b>	800.190	800.505	800.745	801.195	801.630	802.635	803.325	804.210	804.960	806.025
<b>30</b>	749.130	749.445	749.760	750.210	750.840	751.770	752.790	753.855	755.115	756.300
<b>35</b>	692.805	692.865	693.240	693.810	694.635	695.580	696.585	697.830	699.150	700.410
<b>40</b>	632.835	632.895	633.150	633.840	634.650	635.655	636.660	638.055	639.240	640.560
<b>45</b>	570.345	570.465	570.660	571.155	571.845	572.790	573.855	574.995	576.315	577.500
<b>50</b>	506.460	506.400	506.655	507.090	507.720	508.605	509.490	510.420	511.365	512.505
<b>55</b>	441.330	441.270	441.525	441.960	442.470	443.100	443.790	444.735	445.605	446.430
<b>60</b>	375.450	375.570	375.630	376.020	376.335	376.890	377.400	377.970	378.585	379.410
<b>65</b>	309.810	309.810	309.945	310.065	310.380	310.755	311.070	311.445	311.895	312.270
<b>70</b>	245.565	245.565	245.745	245.820	245.820	246.195	246.255	246.315	246.630	246.825
<b>75</b>	182.445	182.445	182.385	182.445	182.445	182.565	182.505	182.625	182.565	182.565
<b>80</b>	122.850	122.775	122.775	122.715	122.775	122.715	122.595	122.535	122.475	122.340
<b>85</b>	64.500	64.560	64.500	64.500	64.380	64.320	64.245	64.065	64.005	63.750
<b>90</b>	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>
<b>0</b>	929.880	929.880	929.880	929.880	929.880	929.880	929.880	929.880	929.880
<b>5</b>	925.860	925.980	925.980	925.980	925.980	926.040	926.040	926.175	926.040
<b>10</b>	910.830	911.085	911.085	911.460	911.715	911.655	911.895	911.775	911.970
<b>15</b>	885.435	885.870	886.245	886.635	886.950	887.265	887.385	887.505	887.565
<b>20</b>	850.350	851.115	851.730	852.495	852.930	853.440	853.680	853.995	853.875
<b>25</b>	807.225	808.110	808.920	810.000	810.615	811.125	811.620	811.815	812.010
<b>30</b>	757.560	758.625	759.825	760.770	761.775	762.465	762.840	763.275	763.350
<b>35</b>	701.790	703.050	704.370	705.450	706.455	707.205	707.700	708.150	708.150
<b>40</b>	642.015	643.260	644.655	645.600	646.665	647.475	648.045	648.300	648.675
<b>45</b>	578.760	580.080	581.280	582.345	583.290	584.115	584.670	585.120	585.045
<b>50</b>	513.690	514.635	515.580	516.585	517.410	517.965	518.535	518.970	519.045
<b>55</b>	447.435	448.380	449.190	450.075	450.645	451.140	451.575	451.830	451.770
<b>60</b>	380.040	380.850	381.420	382.110	382.560	382.995	383.310	383.490	383.625
<b>65</b>	312.825	313.215	313.710	314.145	314.400	314.715	314.910	315.090	314.970
<b>70</b>	246.945	247.200	247.455	247.575	247.830	248.010	248.145	248.205	248.205
<b>75</b>	182.760	182.700	182.820	182.700	182.820	182.820	183.015	183.135	183.195
<b>80</b>	122.280	122.160	122.025	122.085	122.025	122.025	122.085	122.160	122.220
<b>85</b>	63.630	63.630	63.495	63.315	63.240	63.315	63.315	63.240	63.240
<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	337.35	N.A.	13.20
0-30	708.75	N.A.	27.60
0-40	1147.03	N.A.	44.70
0-60	1992.36	N.A.	77.70
0-80	2496.05	N.A.	97.30
0-90	2564.14	N.A.	100.00
10-90	2476.26	N.A.	96.60
20-40	809.68	N.A.	31.60
20-50	1255.54	N.A.	49.00
40-70	1155.12	N.A.	45.00
60-80	503.69	N.A.	19.60
70-80	193.90	N.A.	7.60
80-90	68.09	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	2564.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	87.88
10-20	249.47
20-30	371.40
30-40	438.28
40-50	445.86
50-60	399.47
60-70	309.79
70-80	193.90
80-90	68.09
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

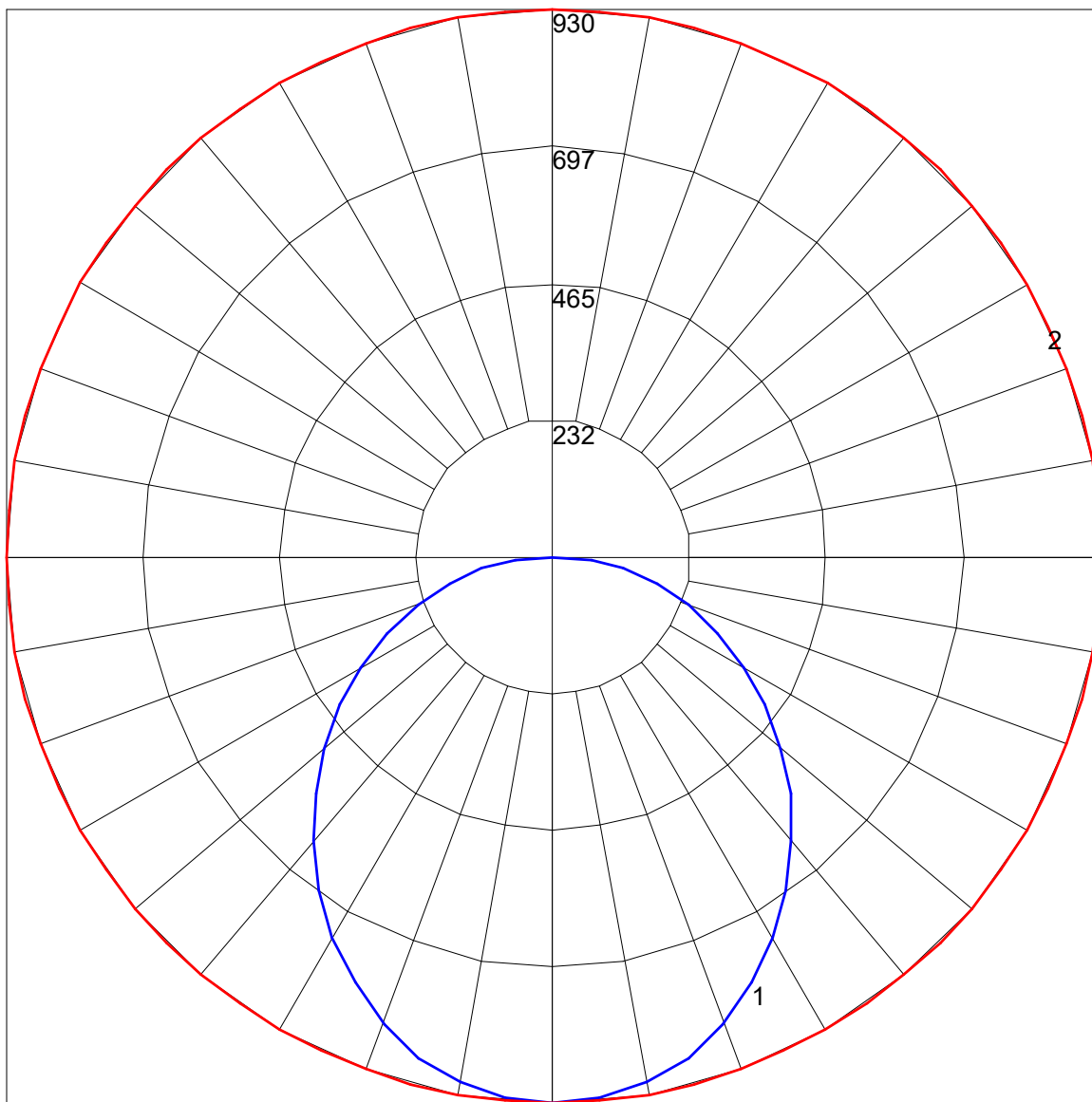
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	76	63	53	47	73	61	53	47	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	32	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	29	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

POLAR GRAPH



Maximum Candela = 929.88 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.)