

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	56	58	59	60
Total Lumens, 4' rail length (1219mm)	2185	2254	2300	2346
Lumens per foot (305mm)	546	563	575	586
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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\_HO\_359\_S5.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] L071704232 (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-HO-359-S5  
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,  
[MORE] critical edge diffuse lens, high output  
[TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2300
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	39.36
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.13 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	14900	15040	15247
55	14189	14303	14567
65	13374	13473	13590
75	12556	12646	12526
85	12329	12044	11610

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	855.683	855.683	855.683	855.683	855.683
<b>5</b>	849.946	850.007	850.573	850.695	850.695
<b>10</b>	832.917	833.039	833.804	835.074	836.084
<b>15</b>	805.851	806.172	808.008	810.747	812.078
<b>20</b>	770.034	771.610	774.670	778.280	779.810
<b>25</b>	726.964	728.096	733.375	737.506	740.046
<b>30</b>	678.050	679.381	684.139	689.923	693.549
<b>35</b>	625.189	626.596	631.737	638.530	641.957
<b>40</b>	568.028	570.950	575.907	582.762	584.674
<b>45</b>	511.999	510.852	516.819	514.034	523.933
<b>50</b>	454.945	454.884	459.459	464.355	468.287
<b>55</b>	395.490	395.750	398.672	403.369	406.047
<b>60</b>	332.347	334.764	337.564	340.165	339.844
<b>65</b>	274.681	274.926	276.700	278.292	279.118
<b>70</b>	218.132	216.296	217.122	217.688	220.045
<b>75</b>	157.927	158.233	159.059	158.049	157.544
<b>80</b>	112.562	109.517	111.552	103.091	109.517
<b>85</b>	52.219	51.576	51.010	49.618	49.174
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	308.58	N.A.	13.40
0-30	646.18	N.A.	28.10
0-40	1041.91	N.A.	45.30
0-60	1798.24	N.A.	78.20
0-80	2242.31	N.A.	97.50
0-90	2299.55	N.A.	100.00
10-90	2218.89	N.A.	96.50
20-40	733.33	N.A.	31.90
20-50	1132.43	N.A.	49.20
40-70	1030.71	N.A.	44.80
60-80	444.07	N.A.	19.30
70-80	169.69	N.A.	7.40
80-90	57.24	N.A.	2.50
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	2299.55	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	80.66
10-20	227.93
20-30	337.60
30-40	395.73
40-50	399.10
50-60	357.24
60-70	274.38
70-80	169.69
80-90	57.24
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

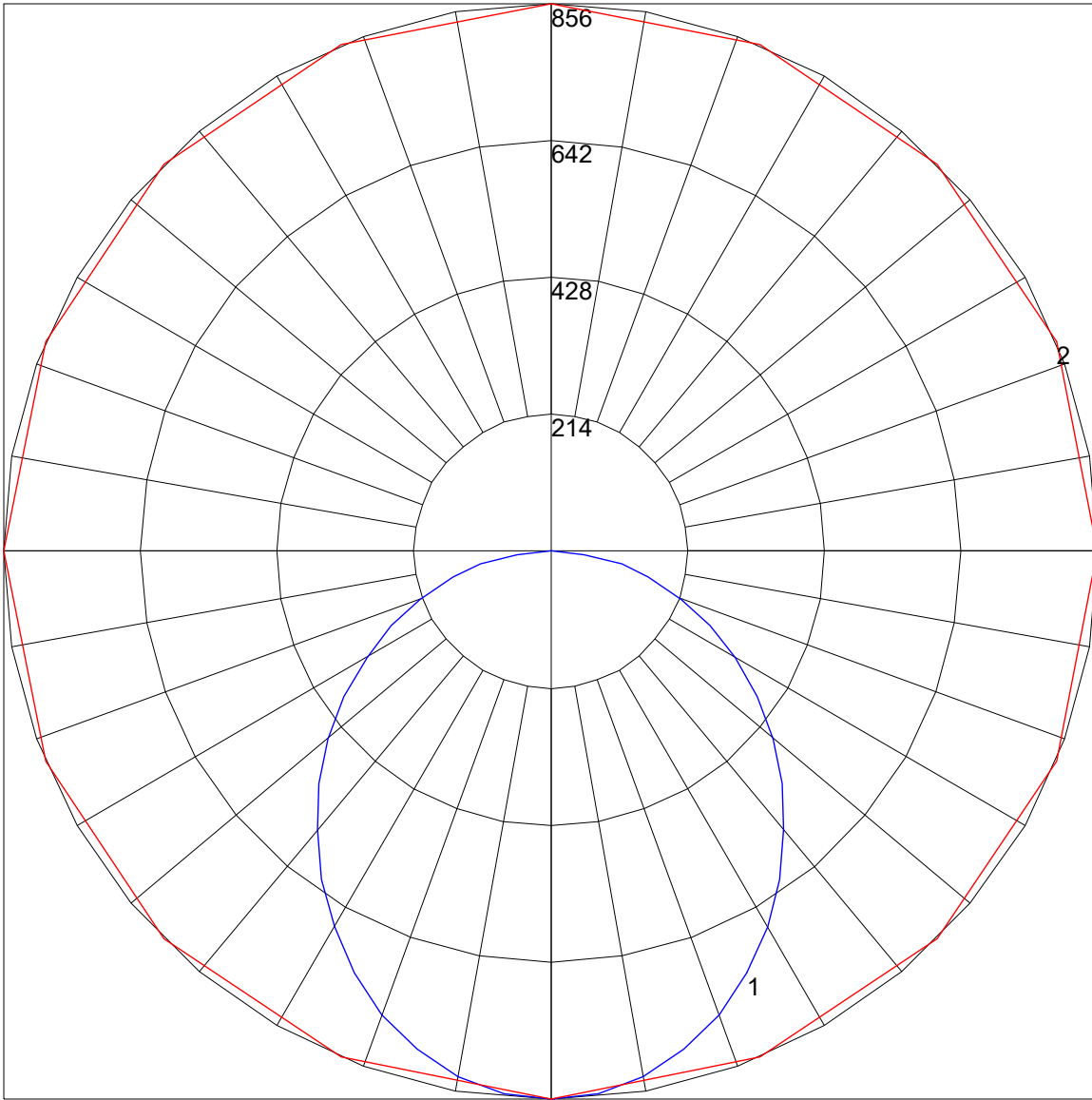
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	77	96	88	82	77	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	62	69	65	61	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38
7	65	51	43	36	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

POLAR GRAPH



Maximum Candela = 855.683 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)