

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	45	47	48	49
Total Lumens, 4' rail length (1219mm)	728	751	767	782
Lumens per foot (305mm)	182	188	192	195
Input Power (W), 4' rail length (1219mm)	16.3	16.3	16.3	16.3
Watts per foot (305mm)	4.1	4.1	4.1	4.1
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.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-LO-359-S5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] critical edge diffuse lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	767
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	47
Total Luminaire Watts	16.25
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	4967	5013	5082
55	4730	4768	4856
65	4458	4491	4530
75	4185	4215	4175
85	4110	4014	3870

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	285.228	285.228	285.228	285.228	285.228
5	283.315	283.336	283.524	283.565	283.565
10	277.639	277.680	277.935	278.358	278.695
15	268.617	268.724	269.336	270.249	270.693
20	256.678	257.203	258.223	259.427	259.937
25	242.321	242.699	244.458	245.835	246.682
30	226.017	226.460	228.046	229.974	231.183
35	208.396	208.865	210.579	212.843	213.986
40	189.343	190.317	191.969	194.254	194.891
45	170.666	170.284	172.273	171.345	174.644
50	151.648	151.628	153.153	154.785	156.096
55	131.830	131.917	132.891	134.456	135.349
60	110.782	111.588	112.521	113.388	113.281
65	91.560	91.642	92.233	92.764	93.039
70	72.711	72.099	72.374	72.563	73.348
75	52.642	52.744	53.020	52.683	52.515
80	37.521	36.506	37.184	34.364	36.506
85	17.406	17.192	17.003	16.539	16.391
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	102.86	N.A.	13.40
0-30	215.39	N.A.	28.10
0-40	347.30	N.A.	45.30
0-60	599.41	N.A.	78.20
0-80	747.44	N.A.	97.50
0-90	766.52	N.A.	100.00
10-90	739.63	N.A.	96.50
20-40	244.44	N.A.	31.90
20-50	377.47	N.A.	49.20
40-70	343.57	N.A.	44.80
60-80	148.02	N.A.	19.30
70-80	56.56	N.A.	7.40
80-90	19.08	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	766.52	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	26.89
10-20	75.98
20-30	112.53
30-40	131.91
40-50	133.03
50-60	119.08
60-70	91.46
70-80	56.56
80-90	19.08
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

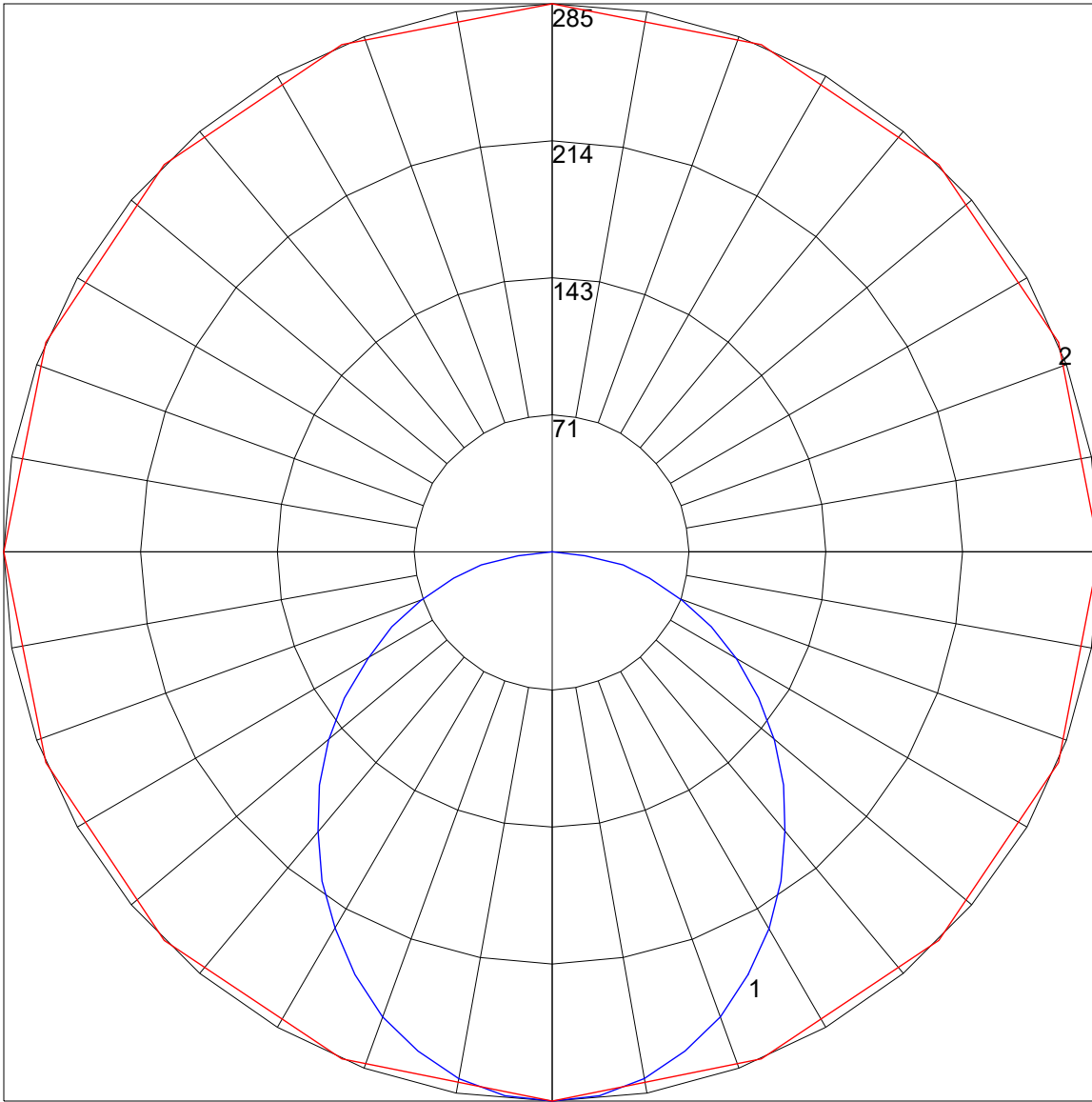
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	53	64	58	53	62	56	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	60	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	26	37	31	26	36	31	26	24

POLAR GRAPH



Maximum Candela = 285.228 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.)