

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	56	58	59	60
Total Lumens, 4' rail length (1219mm)	1456	1502	1533	1564
Lumens per foot (305mm)	364	376	383	391
Input Power (W), 4' rail length (1219mm)	26.2	26.2	26.2	26.2
Watts per foot (305mm)	6.6	6.6	6.6	6.6
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_SO_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-SO-359-S5
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] critical edge diffuse lens, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1533
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	26.19
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	9933	10027	10165
55	9459	9535	9712
65	8916	8982	9060
75	8371	8431	8350
85	8219	8029	7740

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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>
0	570.455	570.455	570.455	570.455	570.455
5	566.630	566.671	567.049	567.130	567.130
10	555.278	555.359	555.869	556.716	557.389
15	537.234	537.448	538.672	540.498	541.385
20	513.356	514.406	516.446	518.854	519.874
25	484.643	485.398	488.917	491.671	493.364
30	452.033	452.921	456.093	459.949	462.366
35	416.792	417.731	421.158	425.687	427.972
40	378.685	380.633	383.938	388.508	389.783
45	341.333	340.568	344.546	342.689	349.289
50	303.297	303.256	306.306	309.570	312.191
55	263.660	263.833	265.781	268.913	270.698
60	221.564	223.176	225.043	226.777	226.562
65	183.121	183.284	184.467	185.528	186.079
70	145.421	144.197	144.748	145.126	146.696
75	105.284	105.488	106.039	105.366	105.029
80	75.041	73.012	74.368	68.728	73.012
85	34.813	34.384	34.007	33.079	32.783
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	205.72	N.A.	13.40
0-30	430.79	N.A.	28.10
0-40	694.61	N.A.	45.30
0-60	1198.83	N.A.	78.20
0-80	1494.88	N.A.	97.50
0-90	1533.03	N.A.	100.00
10-90	1479.26	N.A.	96.50
20-40	488.89	N.A.	31.90
20-50	754.95	N.A.	49.20
40-70	687.14	N.A.	44.80
60-80	296.05	N.A.	19.30
70-80	113.13	N.A.	7.40
80-90	38.16	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	1533.03	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	53.77
10-20	151.95
20-30	225.07
30-40	263.82
40-50	266.06
50-60	238.16
60-70	182.92
70-80	113.13
80-90	38.16
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

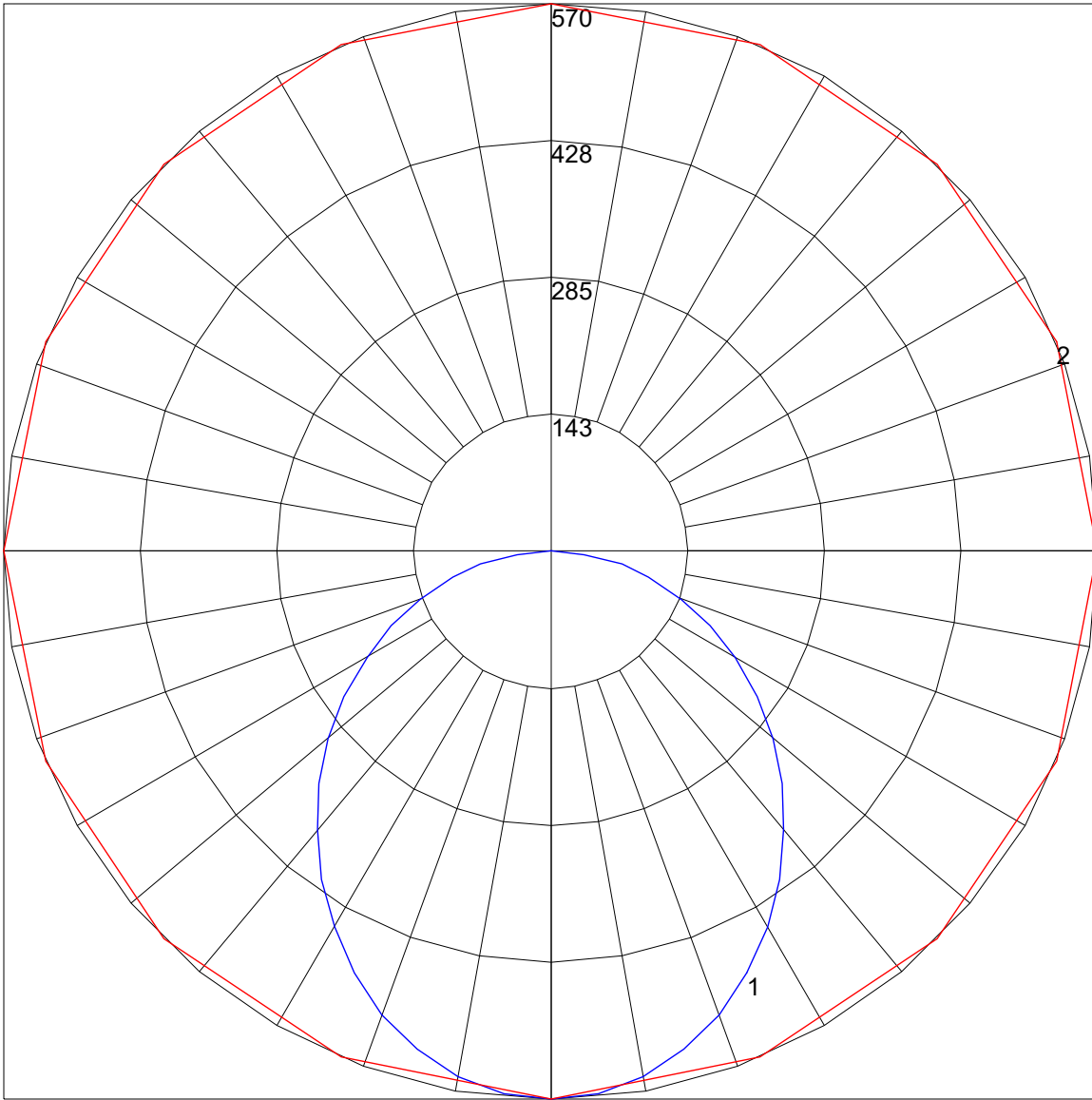
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	33	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 = 570.455 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.)