

IES Report

ZipTwo® | 707 | Round, Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-S4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	102	106	108	110
Total Lumens, 4' rail length (1219mm)	2659	2743	2799	2855
Lumens per foot (305mm)	665	686	700	714
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	85	85	85	85

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_35_S4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704231 (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-35-S4
[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board,
[MORE] round 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	2791
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	26.21
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.04 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13429	13999	16641
55	12276	12706	15879
65	11136	11254	14753
75	10022	9627	12559
85	9255	8201	8347

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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	863.312	863.312	863.312	863.312	863.312
5	859.606	859.854	859.123	859.512	859.606
10	849.423	849.270	848.337	847.995	847.653
15	831.581	831.829	829.918	828.690	828.254
20	807.769	807.238	804.642	802.046	801.999
25	777.691	777.254	772.794	769.513	768.581
30	741.146	739.825	734.479	729.240	728.508
35	699.115	697.592	689.557	683.586	682.359
40	651.879	649.094	640.516	632.338	630.911
45	600.443	597.552	586.189	577.421	574.672
50	546.257	541.113	527.684	516.073	513.630
55	490.113	482.514	465.475	451.657	446.701
60	432.989	424.753	404.622	383.901	381.553
65	377.730	366.945	340.784	316.535	307.956
70	322.270	309.184	279.353	247.116	233.097
75	269.453	256.674	221.486	180.977	163.041
80	220.365	205.426	168.386	121.398	95.627
85	176.174	160.492	123.310	72.358	39.200
90	137.376	122.873	89.361	38.503	5.003
95	104.548	94.990	58.398	18.373	1.475
100	77.019	65.702	37.772	8.626	0.000
105	55.944	46.008	23.954	4.508	0.000
110	38.999	31.353	14.797	3.233	0.000
115	26.361	20.626	9.263	3.092	0.000
120	17.240	13.428	6.219	3.233	0.000
125	11.363	8.874	5.003	3.328	0.000
130	7.741	6.514	4.555	3.481	0.000
135	6.077	5.534	4.460	3.528	0.000
140	5.487	5.192	4.413	3.729	0.000
145	5.192	4.944	4.413	0.000	0.000
150	4.897	4.803	4.413	0.000	0.000
155	4.803	4.555	4.366	0.000	0.000
160	4.602	4.413	0.000	0.000	0.000
165	4.508	4.460	0.000	0.000	0.000
170	4.413	4.413	0.000	0.000	0.000
175	4.307	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	316.00	N.A.	11.30
0-30	672.30	N.A.	24.10
0-40	1104.24	N.A.	39.60
0-60	1975.19	N.A.	70.80
0-80	2545.99	N.A.	91.20
0-90	2675.66	N.A.	95.90
10-90	2593.96	N.A.	92.90
20-40	788.24	N.A.	28.20
20-50	1241.09	N.A.	44.50
40-70	1209.55	N.A.	43.30
60-80	570.80	N.A.	20.50
70-80	232.21	N.A.	8.30
80-90	129.67	N.A.	4.60
90-110	91.05	N.A.	3.30
90-120	103.05	N.A.	3.70
90-130	108.44	N.A.	3.90
90-150	113.75	N.A.	4.10
90-180	115.51	N.A.	4.10
110-180	24.47	N.A.	0.90
0-180	2791.18	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.70
10-20	234.30
20-30	356.30
30-40	431.94
40-50	452.86
50-60	418.10
60-70	338.59
70-80	232.21
80-90	129.67
90-100	62.92
100-110	28.12
110-120	12.00
120-130	5.39
130-140	3.28
140-150	2.04
150-160	1.20
160-170	0.47
170-180	0.08

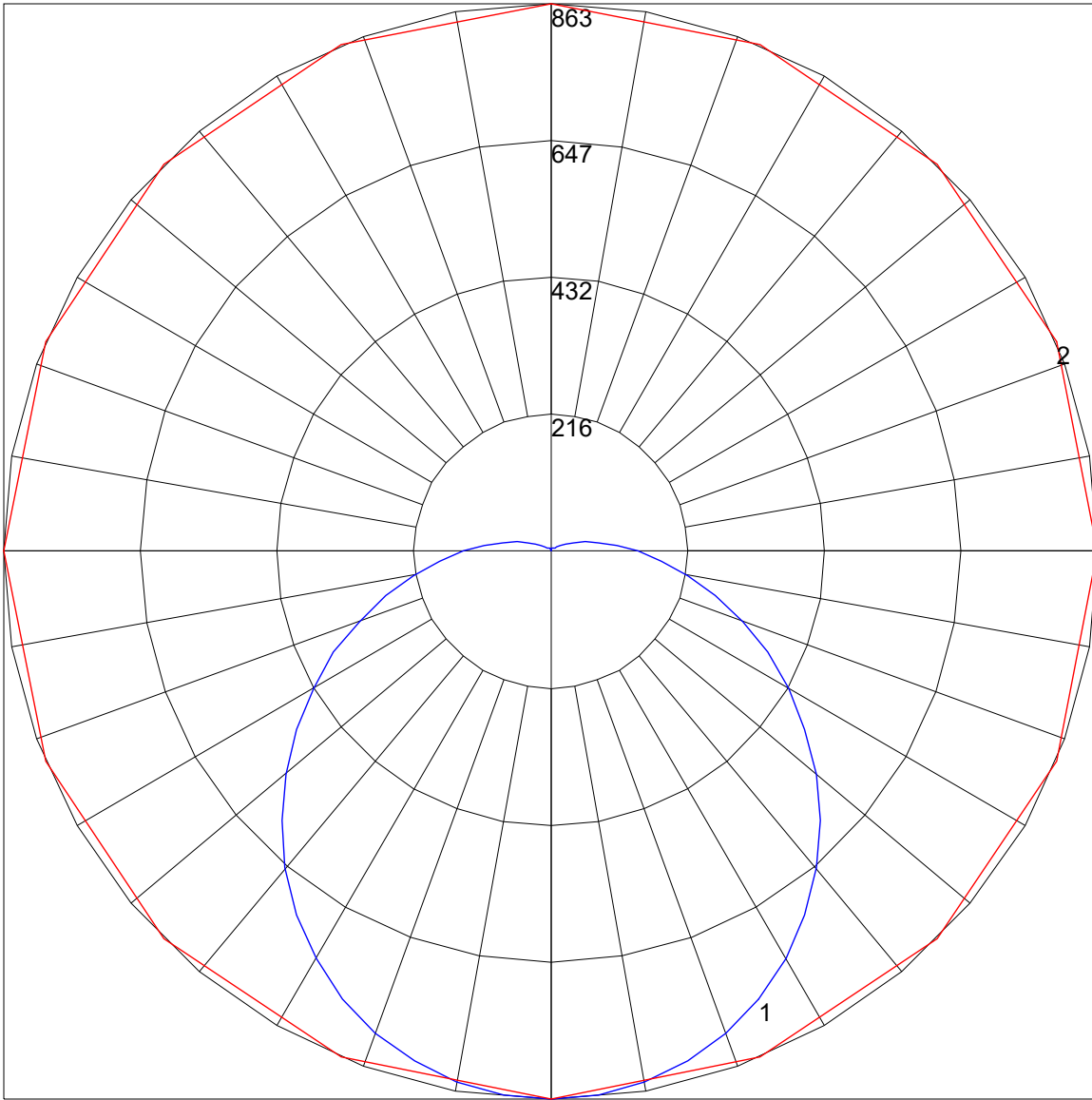
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	92		103	98	94	90	93	90	86	89	86	83	84	82	80	77
2	96	87	80	74		93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	87	76	68	61		85	74	66	60	71	64	58	67	62	57	64	59	55	53
4	80	67	58	51		77	66	57	51	63	55	49	60	53	48	57	52	47	45
5	73	60	51	44		71	59	50	43	56	48	43	54	47	42	51	46	41	39
6	68	54	45	38		65	53	44	38	51	43	37	48	42	36	46	40	36	34
7	63	49	40	34		61	48	39	33	46	38	33	44	37	32	42	36	32	30
8	58	45	36	30		56	44	35	30	42	35	29	40	34	29	39	33	28	26
9	54	41	32	27		53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	30	24		50	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 863.312 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.)