

IES Report

ZipTwo® | 707 | Square, Diffuse | 90 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-359-S6-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	108	111	114	116
Total Lumens, 4' rail length (1219mm)	2818	2907	2966	3026
Lumens per foot (305mm)	705	727	742	756
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_S6.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L071704233 (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-S6
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] diffuse square lens, standard output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	26.24
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.70
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.64
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.02 ft
Luminous Height	0.10 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8926	8295	8497
55	8903	8044	7955
65	8626	7707	7423
75	8056	7385	6883
85	7413	6991	6229

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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	486.142	486.142	486.142	486.142	486.142
5	499.463	498.025	493.782	487.560	483.031
10	512.417	509.327	499.882	486.673	474.728
15	521.995	517.252	501.626	480.532	460.499
20	529.951	521.863	499.372	469.475	441.701
25	535.796	524.494	493.874	454.318	419.342
30	540.539	525.463	485.398	435.601	391.731
35	543.762	524.576	474.647	413.916	362.171
40	544.945	521.608	461.050	389.864	331.673
45	542.660	515.386	445.087	363.691	299.237
50	535.204	504.716	425.983	334.387	264.251
55	520.802	488.621	404.012	307.499	229.612
60	499.035	466.721	379.063	277.511	194.891
65	469.394	437.764	348.911	245.922	160.589
70	433.061	403.288	320.025	213.904	126.959
75	392.231	365.854	287.548	182.988	94.605
80	348.442	327.400	253.327	152.113	66.739
85	307.448	287.079	219.667	122.512	33.884
90	272.218	251.379	190.995	96.257	12.026
95	255.112	238.129	180.622	92.830	7.966
100	243.933	227.756	173.798	90.372	7.793
105	233.764	218.096	167.107	87.496	7.619
110	223.941	208.692	159.865	84.446	7.538
115	213.527	198.788	151.990	80.254	7.364
120	202.256	187.864	143.524	75.511	7.283
125	189.975	176.378	134.497	68.605	7.201
130	176.511	163.761	121.706	61.659	7.028
135	161.854	149.369	106.723	54.080	6.946
140	145.931	134.538	93.299	47.348	6.691
145	128.744	116.290	80.254	40.066	6.518
150	110.527	95.788	69.921	33.966	6.610
155	91.729	76.480	57.212	27.785	0.000
160	72.420	56.916	43.493	23.460	0.000
165	50.908	40.657	31.804	18.972	0.000
170	30.233	26.551	22.787	14.056	0.000
175	13.974	15.412	13.260	9.109	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	187.88	N.A.	6.30
0-30	413.05	N.A.	13.90
0-40	705.53	N.A.	23.80
0-60	1394.51	N.A.	47.00
0-80	2013.37	N.A.	67.90
0-90	2232.95	N.A.	75.30
10-90	2185.83	N.A.	73.70
20-40	517.65	N.A.	17.50
20-50	854.51	N.A.	28.80
40-70	1022.6	N.A.	34.50
60-80	618.85	N.A.	20.90
70-80	285.24	N.A.	9.60
80-90	219.58	N.A.	7.40
90-110	333.24	N.A.	11.20
90-120	467.52	N.A.	15.80
90-130	574.56	N.A.	19.40
90-150	699.26	N.A.	23.60
90-180	733.46	N.A.	24.70
110-180	400.22	N.A.	13.50
0-180	2966.41	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	47.12
10-20	140.76
20-30	225.17
30-40	292.48
40-50	336.86
50-60	352.12
60-70	333.61
70-80	285.24
80-90	219.58
90-100	176.28
100-110	156.96
110-120	134.28
120-130	107.04
130-140	76.64
140-150	48.06
150-160	24.36
160-170	8.60
170-180	1.24

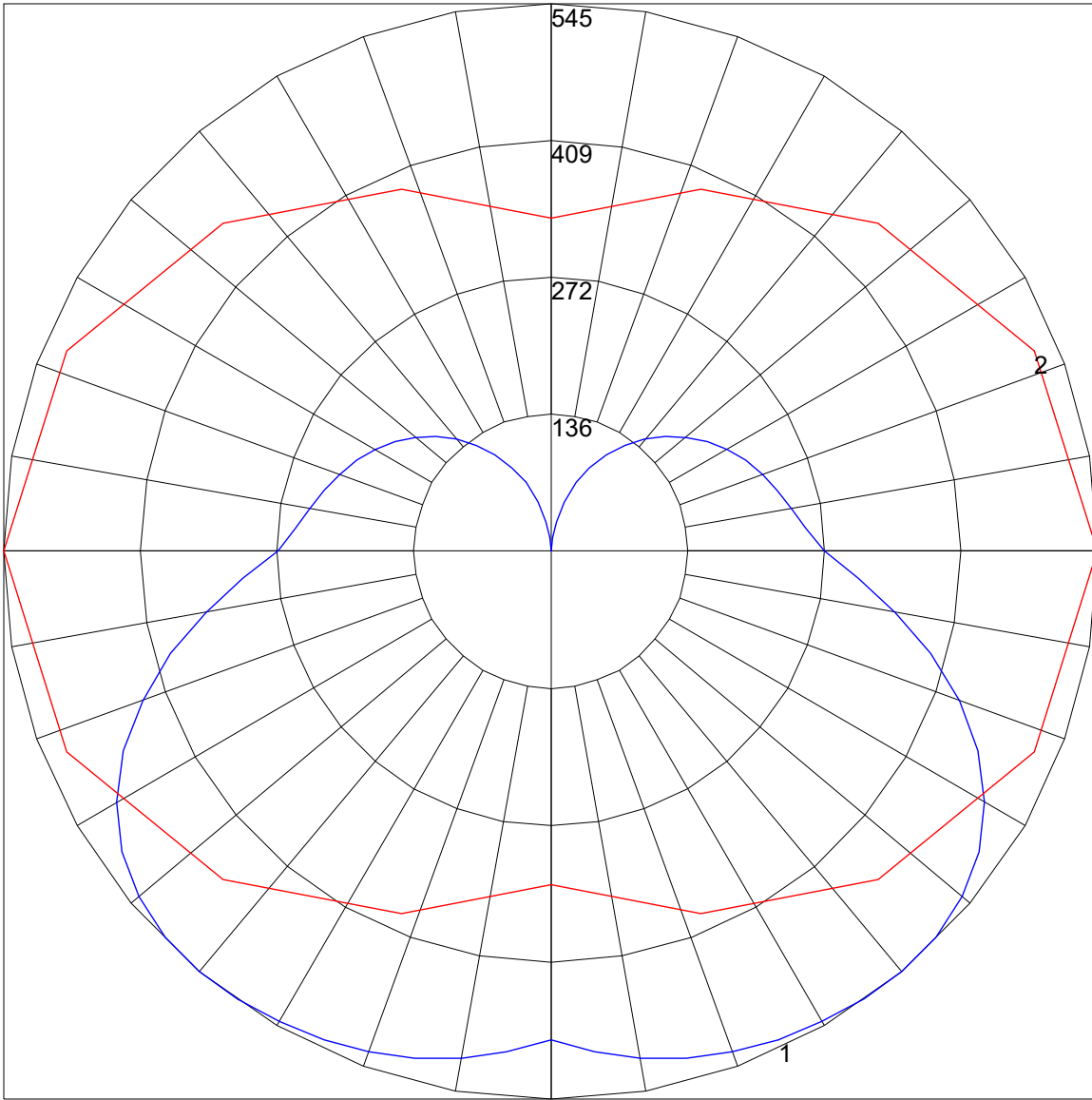
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	113	113	113	108	108	108	108	97	97	97	88	88	88	79	79	79	75
1	100	94	88	84	94	89	84	80	80	76	73	72	69	66	65	62	60	56
2	89	80	72	65	84	76	69	63	68	62	57	61	57	52	55	51	48	44
3	81	69	60	53	76	66	57	51	59	52	47	53	47	43	47	43	39	36
4	73	60	51	44	69	57	49	42	52	44	39	46	40	36	41	37	33	29
5	67	53	44	37	63	51	42	35	46	38	33	41	35	30	37	32	28	25
6	62	48	38	32	58	45	37	30	41	34	28	37	31	26	33	28	24	21
7	57	43	34	27	54	41	32	26	37	30	25	33	27	23	30	25	21	18
8	53	39	30	24	50	37	29	23	34	27	22	31	24	20	28	22	19	16
9	49	35	27	21	46	34	26	21	31	24	19	28	22	18	25	20	17	14
10	46	32	24	19	43	31	24	18	28	22	17	26	20	16	23	18	15	13

POLAR GRAPH



Maximum Candela = 544.945 Located At Horizontal Angle = 0, Vertical Angle = 40
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (40) (Through Max. Cd.)