

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	87	90	92	94
Total Lumens, 4' rail length (1219mm)	1409	1454	1483	1513
Lumens per foot (305mm)	352	363	371	378
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_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-LO-359-S6
[LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
[MORE] diffuse square lens, low output
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1483
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	16.25
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	4463	4147	4248
55	4452	4022	3977
65	4313	3854	3712
75	4028	3693	3441
85	3706	3496	3114

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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	243.071	243.071	243.071	243.071	243.071
5	249.732	249.013	246.891	243.780	241.516
10	256.209	254.663	249.941	243.336	237.364
15	260.998	258.626	250.813	240.266	230.250
20	264.976	260.931	249.686	234.738	220.850
25	267.898	262.247	246.937	227.159	209.671
30	270.269	262.732	242.699	217.801	195.865
35	271.881	262.288	237.323	206.958	181.086
40	272.473	260.804	230.525	194.932	165.837
45	271.330	257.693	222.544	181.846	149.619
50	267.602	252.358	212.991	167.193	132.126
55	260.401	244.310	202.006	153.750	114.806
60	249.517	233.361	189.531	138.756	97.446
65	234.697	218.882	174.456	122.961	80.294
70	216.531	201.644	160.012	106.952	63.480
75	196.115	182.927	143.774	91.494	47.302
80	174.221	163.700	126.664	76.056	33.369
85	153.724	143.539	109.834	61.256	16.942
90	136.109	125.689	95.497	48.129	6.013
95	127.556	119.065	90.311	46.415	3.983
100	121.966	113.878	86.899	45.186	3.896
105	116.882	109.048	83.553	43.748	3.810
110	111.970	104.346	79.932	42.223	3.769
115	106.763	99.394	75.995	40.127	3.682
120	101.128	93.932	71.762	37.755	3.641
125	94.987	88.189	67.249	34.303	3.601
130	88.255	81.880	60.853	30.829	3.514
135	80.927	74.684	53.361	27.040	3.473
140	72.966	67.269	46.650	23.674	3.346
145	64.372	58.145	40.127	20.033	3.259
150	55.264	47.894	34.960	16.983	3.305
155	45.864	38.240	28.606	13.892	0.000
160	36.210	28.458	21.746	11.730	0.000
165	25.454	20.329	15.902	9.486	0.000
170	15.116	13.275	11.393	7.028	0.000
175	6.987	7.706	6.630	4.554	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	93.94	N.A.	6.30
0-30	206.53	N.A.	13.90
0-40	352.77	N.A.	23.80
0-60	697.26	N.A.	47.00
0-80	1006.68	N.A.	67.90
0-90	1116.47	N.A.	75.30
10-90	1092.92	N.A.	73.70
20-40	258.83	N.A.	17.50
20-50	427.26	N.A.	28.80
40-70	511.30	N.A.	34.50
60-80	309.43	N.A.	20.90
70-80	142.62	N.A.	9.60
80-90	109.79	N.A.	7.40
90-110	166.62	N.A.	11.20
90-120	233.76	N.A.	15.80
90-130	287.28	N.A.	19.40
90-150	349.63	N.A.	23.60
90-180	366.73	N.A.	24.70
110-180	200.11	N.A.	13.50
0-180	1483.2	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	23.56
10-20	70.38
20-30	112.59
30-40	146.24
40-50	168.43
50-60	176.06
60-70	166.81
70-80	142.62
80-90	109.79
90-100	88.14
100-110	78.48
110-120	67.14
120-130	53.52
130-140	38.32
140-150	24.03
150-160	12.18
160-170	4.30
170-180	0.62

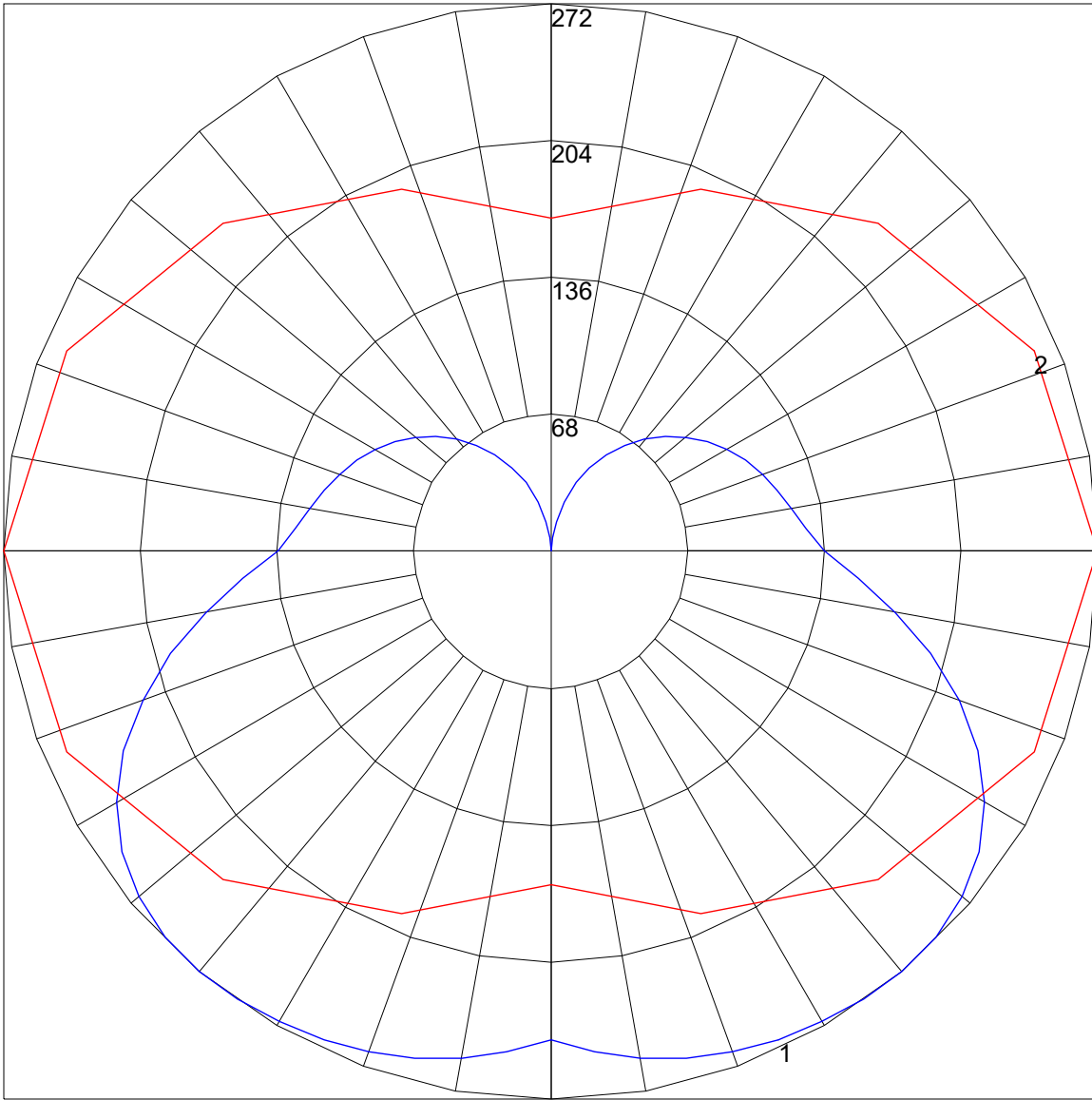
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	0
1	100	94	88	84	94	89	84	80	80	76	73	72	69	66	65	62	60	56	0
2	89	80	72	65	84	76	69	63	68	62	57	61	57	52	55	51	48	44	0
3	81	69	60	53	76	66	57	51	59	52	47	53	47	43	47	43	39	36	0
4	73	60	51	44	69	57	49	42	52	44	39	46	40	36	41	37	33	29	0
5	67	53	44	37	63	51	42	35	46	38	33	41	35	30	37	32	28	25	0
6	62	48	38	32	58	45	37	30	41	34	28	37	31	26	33	28	24	21	0
7	57	43	34	27	54	41	32	26	37	30	25	33	27	23	30	25	21	18	0
8	53	39	30	24	50	37	29	23	34	27	22	31	24	20	28	22	19	16	0
9	49	35	27	21	46	34	26	21	31	24	19	28	22	18	25	20	17	14	0
10	46	32	24	19	43	31	24	18	28	22	17	26	20	16	23	18	15	13	0

POLAR GRAPH



Maximum Candela = 272.473 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.)