

IES Report

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

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

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	108	111	114	116
Total Lumens, 4' rail length (1219mm)	4227	4361	4450	4539
Lumens per foot (305mm)	1057	1090	1112	1135
Input Power (W), 4' rail length (1219mm)	39.4	39.4	39.4	39.4
Watts per foot (305mm)	9.9	9.9	9.9	9.9
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_HO_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-HO-359-S6
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
 [MORE] diffuse square lens, high output
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4450
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	39.36
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	13389	12442	12745
55	13355	12066	11932
65	12939	11561	11135
75	12085	11078	10324
85	11119	10487	9344

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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	729.213	729.213	729.213	729.213	729.213
5	749.195	747.038	740.673	731.340	724.547
10	768.626	763.990	749.822	730.009	712.093
15	782.993	775.878	752.439	720.798	690.749
20	794.927	782.794	749.057	704.213	662.551
25	803.694	786.741	740.811	681.477	629.014
30	810.808	788.195	728.096	653.402	587.596
35	815.643	786.864	711.970	620.874	543.257
40	817.418	782.411	691.575	584.797	497.510
45	813.991	773.078	667.631	545.537	448.856
50	802.806	757.075	638.974	501.580	396.377
55	781.203	732.931	606.018	461.249	344.418
60	748.552	700.082	568.594	416.267	292.337
65	704.091	656.645	523.367	368.883	240.883
70	649.592	604.931	480.037	320.856	190.439
75	588.346	548.780	431.322	274.482	141.907
80	522.663	491.099	379.991	228.169	100.108
85	461.173	430.618	329.501	183.768	50.827
90	408.326	377.068	286.492	144.386	18.039
95	382.668	357.194	270.932	139.245	11.949
100	365.899	341.634	260.697	135.558	11.689
105	350.645	327.145	250.660	131.243	11.429
110	335.911	313.038	239.797	126.669	11.307
115	320.290	298.182	227.985	120.380	11.047
120	303.384	281.795	215.286	113.266	10.924
125	284.962	264.568	201.746	102.908	10.802
130	264.766	245.641	182.560	92.488	10.542
135	242.780	224.053	160.084	81.121	10.419
140	218.897	201.807	139.949	71.023	10.037
145	193.117	174.435	120.380	60.098	9.777
150	165.791	143.682	104.881	50.949	9.914
155	137.593	114.719	85.818	41.677	0.000
160	108.630	85.374	65.239	35.190	0.000
165	76.362	60.986	47.705	28.458	0.000
170	45.349	39.826	34.180	21.083	0.000
175	20.961	23.118	19.890	13.663	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	281.82	N.A.	6.30
0-30	619.58	N.A.	13.90
0-40	1058.3	N.A.	23.80
0-60	2091.77	N.A.	47.00
0-80	3020.05	N.A.	67.90
0-90	3349.42	N.A.	75.30
10-90	3278.75	N.A.	73.70
20-40	776.48	N.A.	17.50
20-50	1281.77	N.A.	28.80
40-70	1533.9	N.A.	34.50
60-80	928.28	N.A.	20.90
70-80	427.86	N.A.	9.60
80-90	329.37	N.A.	7.40
90-110	499.85	N.A.	11.20
90-120	701.28	N.A.	15.80
90-130	861.84	N.A.	19.40
90-150	1048.88	N.A.	23.60
90-180	1100.19	N.A.	24.70
110-180	600.34	N.A.	13.50
0-180	4449.61	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.68
10-20	211.14
20-30	337.76
30-40	438.72
40-50	505.29
50-60	528.19
60-70	500.42
70-80	427.86
80-90	329.37
90-100	264.41
100-110	235.44
110-120	201.43
120-130	160.56
130-140	114.96
140-150	72.09
150-160	36.55
160-170	12.91
170-180	1.85

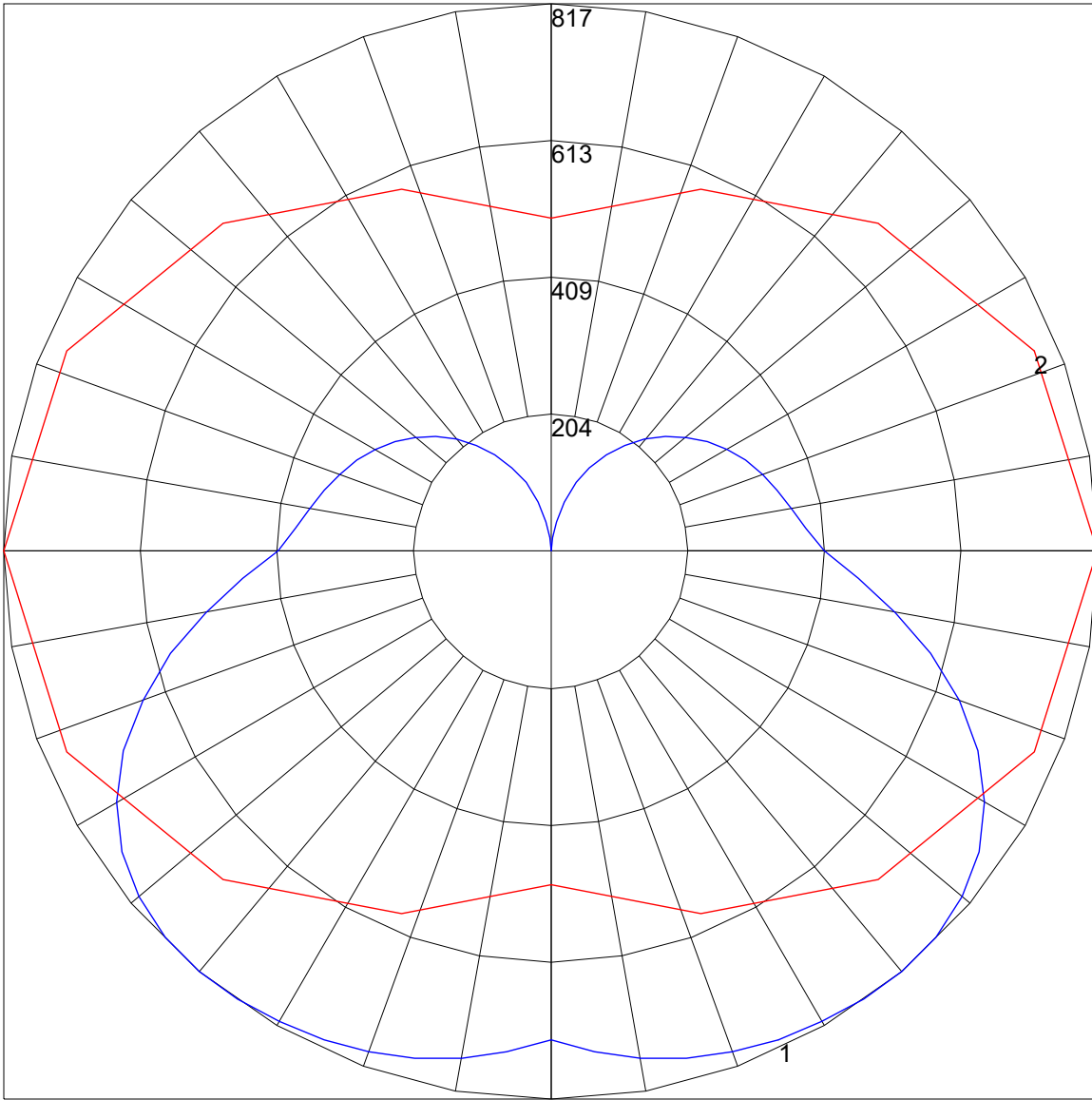
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	56	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 = 817.418 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.)