

IES Report

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

707-Z2-4-48-XX-XX-X-0-Z-SO-359-S4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	88	91	93	94
Total Lumens, 4' rail length (1219mm)	2292	2364	2413	2461
Lumens per foot (305mm)	573	591	603	615
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_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-359-S4
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 90 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	2413
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	92
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	11608	12101	14384
55	10612	10983	13726
65	9626	9728	12753
75	8663	8321	10856
85	8000	7089	7215

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_359_S4.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	746.252	746.252	746.252	746.252	746.252
5	743.050	743.264	742.631	742.968	743.050
10	734.247	734.114	733.309	733.013	732.717
15	718.825	719.039	717.386	716.326	715.948
20	698.241	697.782	695.538	693.294	693.253
25	672.241	671.864	668.008	665.173	664.367
30	640.652	639.509	634.889	630.360	629.728
35	604.319	603.004	596.057	590.896	589.835
40	563.489	561.082	553.666	546.598	545.363
45	519.027	516.528	506.705	499.127	496.750
50	472.189	467.741	456.134	446.097	443.986
55	423.657	417.088	402.359	390.415	386.131
60	374.279	367.159	349.758	331.847	329.817
65	326.512	317.189	294.576	273.615	266.200
70	278.572	267.260	241.475	213.608	201.491
75	232.917	221.870	191.454	156.437	140.933
80	190.485	177.572	145.554	104.938	82.661
85	152.286	138.730	106.590	62.546	33.884
90	118.748	106.213	77.245	33.283	4.325
95	90.372	82.110	50.480	15.881	1.275
100	66.575	56.794	32.650	7.456	0.000
105	48.358	39.770	20.706	3.896	0.000
110	33.711	27.101	12.791	2.795	0.000
115	22.787	17.830	8.007	2.672	0.000
120	14.902	11.608	5.375	2.795	0.000
125	9.823	7.670	4.325	2.876	0.000
130	6.691	5.630	3.937	3.009	0.000
135	5.253	4.784	3.856	3.050	0.000
140	4.743	4.488	3.815	3.223	0.000
145	4.488	4.274	3.815	0.000	0.000
150	4.233	4.151	3.815	0.000	0.000
155	4.151	3.937	3.774	0.000	0.000
160	3.978	3.815	0.000	0.000	0.000
165	3.896	3.856	0.000	0.000	0.000
170	3.815	3.815	0.000	0.000	0.000
175	3.723	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_359_S4.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	273.16	N.A.	11.30
0-30	581.14	N.A.	24.10
0-40	954.51	N.A.	39.60
0-60	1707.37	N.A.	70.80
0-80	2200.77	N.A.	91.20
0-90	2312.86	N.A.	95.90
10-90	2242.24	N.A.	92.90
20-40	681.36	N.A.	28.20
20-50	1072.81	N.A.	44.50
40-70	1045.54	N.A.	43.30
60-80	493.40	N.A.	20.50
70-80	200.72	N.A.	8.30
80-90	112.09	N.A.	4.60
90-110	78.70	N.A.	3.30
90-120	89.08	N.A.	3.70
90-130	93.73	N.A.	3.90
90-150	98.33	N.A.	4.10
90-180	99.85	N.A.	4.10
110-180	21.15	N.A.	0.90
0-180	2412.71	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	70.62
10-20	202.53
20-30	307.99
30-40	373.37
40-50	391.45
50-60	361.41
60-70	292.68
70-80	200.72
80-90	112.09
90-100	54.39
100-110	24.31
110-120	10.37
120-130	4.66
130-140	2.83
140-150	1.76
150-160	1.04
160-170	0.41
170-180	0.07

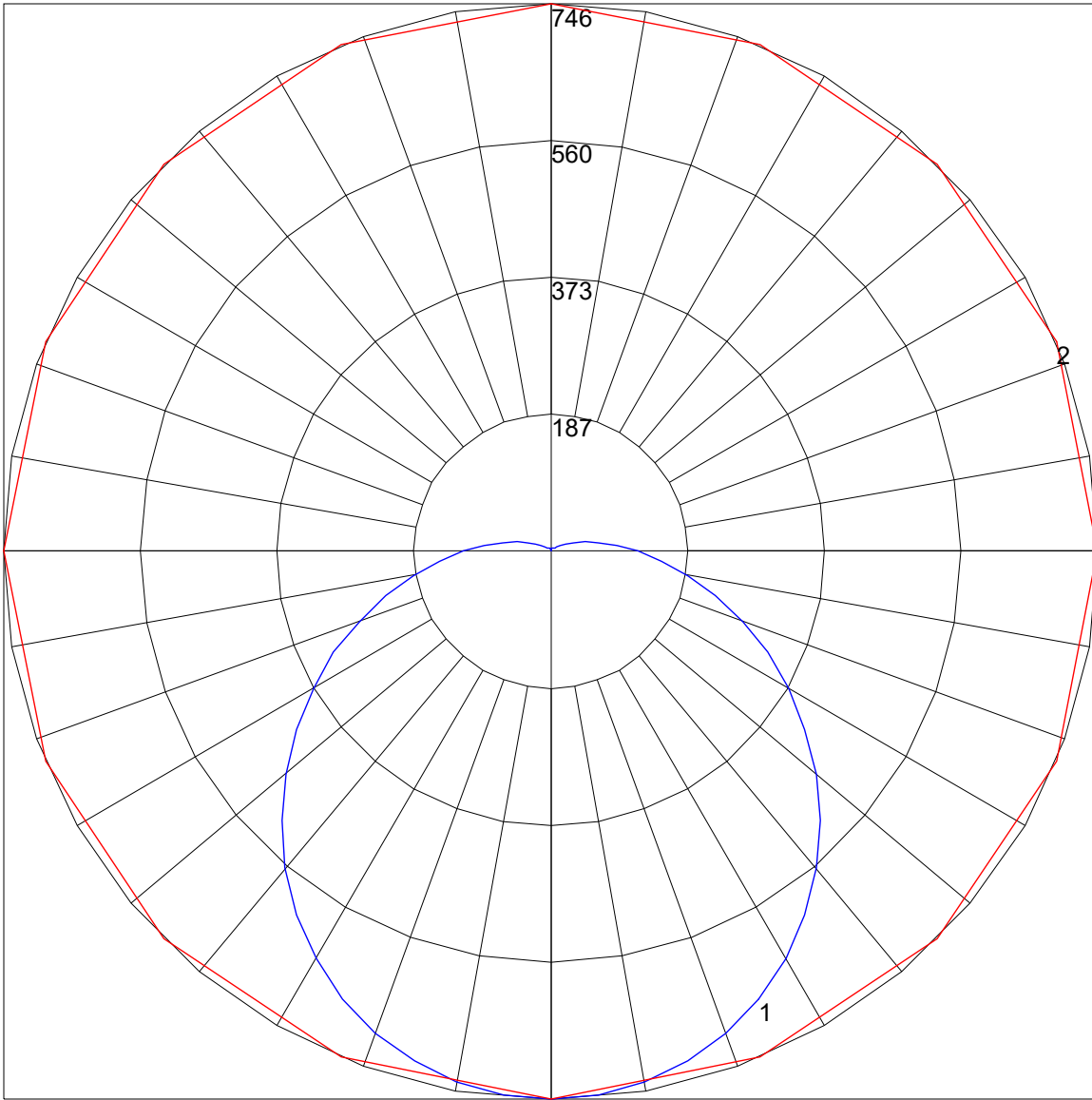
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VODE_707_Z2_SO_359_S4.IES

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

POLAR GRAPH



Maximum Candela = 746.252 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.)