

IES Report

ZipTwo® | 707 | Diffuse | 90 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-359-D3-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	129	133	136	139
Total Lumens, 4' rail length (1219mm)	3373	3479	3550	3621
Lumens per foot (305mm)	843	870	888	905
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_D3.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L121800101 (SOURCE REPORT FOR REFERENCE)
 [TESTLAB] REPORT BASED ON DATA PRODUCED BY NVLAP ACCREDITED LAB
 [ISSUEDATE] 12/14/2018
 [MANUFAC] Vode Lighting
 [LUMCAT] 707-Z2-48-SO-359-D3-AL
 [LUMINAIRE] ZipTwo LED, 48", 3500K, 90 CRI, zipper board,
 [MORE] 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	3550
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	26.15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.10 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	31004	31299	31496
55	27394	27596	27717
65	23634	23579	23415
75	20594	20057	19161
85	23399	20740	16220

CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614
5	1370.580	1370.580	1370.580	1370.580	1370.580	1370.580	1370.580	1370.580	1370.580	1371.442
10	1350.754	1351.616	1350.754	1351.616	1350.754	1351.616	1351.616	1351.616	1351.616	1351.616
15	1316.274	1316.274	1317.136	1316.274	1317.136	1317.136	1317.136	1317.998	1317.998	1317.998
20	1267.140	1268.002	1268.002	1268.002	1268.002	1268.002	1268.864	1268.864	1269.726	1269.726
25	1202.490	1203.352	1203.352	1203.352	1204.214	1204.214	1205.076	1205.938	1206.800	1206.800
30	1124.048	1124.048	1124.910	1124.910	1125.772	1126.634	1127.496	1128.358	1129.220	1130.082
35	1031.814	1031.814	1032.676	1032.676	1033.538	1034.400	1035.262	1036.986	1036.986	1038.710
40	927.512	928.374	928.374	929.236	930.098	930.960	931.822	932.684	934.408	935.270
45	815.452	816.314	816.314	816.314	818.038	818.900	818.900	820.624	821.486	823.210
50	699.944	699.944	699.944	700.806	701.668	702.530	702.530	704.254	705.116	705.978
55	584.436	584.436	585.298	585.298	586.160	586.160	587.022	587.884	587.884	588.746
60	474.100	474.100	474.100	474.100	474.962	474.962	474.962	474.962	475.824	475.824
65	371.522	371.522	371.522	371.522	371.522	371.522	371.522	371.522	370.660	370.660
70	278.426	278.426	278.426	278.426	278.426	278.426	277.564	277.564	276.702	275.840
75	198.260	198.260	197.398	197.398	197.398	196.536	195.674	194.812	193.950	193.088
80	130.162	130.162	129.300	129.300	128.438	127.576	126.714	125.852	124.990	123.266
85	75.856	75.856	74.994	74.132	74.132	72.408	71.546	69.822	68.960	67.236
90	32.756	32.756	31.894	31.894	30.170	29.308	27.584	25.860	24.136	22.412
95	22.412	22.412	22.412	21.550	20.688	19.826	18.964	18.102	16.378	14.654
100	21.550	21.550	21.550	20.688	19.826	18.964	18.102	17.240	16.378	14.654
105	20.688	20.688	20.688	19.826	19.826	18.964	18.102	16.378	15.516	14.654
110	20.688	20.688	19.826	19.826	18.964	18.102	17.240	0.000	0.000	0.000
115	19.826	19.826	19.826	18.964	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Angles Horizontal Angles

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614	1376.614
5	1371.442	1371.442	1371.442	1371.442	1371.442	1371.442	1371.442	1371.442	1371.442
10	1351.616	1351.616	1351.616	1351.616	1351.616	1352.478	1352.478	1352.478	1351.616
15	1317.998	1317.998	1318.860	1318.860	1318.860	1318.860	1318.860	1318.860	1319.722
20	1269.726	1270.588	1270.588	1271.450	1271.450	1272.312	1271.450	1271.450	1272.312
25	1207.662	1208.524	1208.524	1209.386	1209.386	1210.248	1210.248	1210.248	1210.248
30	1130.944	1131.806	1131.806	1132.668	1133.530	1134.392	1134.392	1134.392	1134.392
35	1039.572	1040.434	1041.296	1043.020	1043.882	1043.882	1044.744	1044.744	1045.606
40	936.994	937.856	938.718	939.580	940.442	940.442	941.304	941.304	941.304
45	824.072	824.934	825.796	826.658	827.520	828.382	829.244	828.382	828.382
50	706.840	707.702	708.564	708.564	709.426	710.288	710.288	710.288	710.288
55	588.746	589.608	590.470	590.470	590.470	591.332	591.332	591.332	591.332
60	475.824	475.824	475.824	475.824	475.824	475.824	475.824	475.824	475.824

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CANDELA TABULATION - (Cont.)

65	370.660	370.660	369.798	369.798	369.798	368.936	368.074	368.074	368.074
70	275.840	274.978	274.116	273.254	272.392	272.392	271.530	270.668	270.668
75	192.226	191.364	189.640	188.778	187.916	186.192	185.330	184.468	184.468
80	121.542	120.680	118.956	117.232	115.508	114.646	112.922	112.060	111.198
85	65.512	63.788	61.202	59.478	57.754	56.030	54.306	53.444	52.582
90	19.826	18.102	15.516	13.792	11.206	9.482	6.896	5.172	4.310
95	13.792	12.068	10.344	8.620	6.896	5.172	4.310	2.586	1.724
100	12.930	12.068	10.344	8.620	6.896	6.034	4.310	3.448	0.000
105	12.930	12.068	10.344	8.620	0.000	0.000	0.000	0.000	0.000
110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	501.86	N.A.	14.10
0-30	1057.31	N.A.	29.80
0-40	1705.88	N.A.	48.00
0-60	2867.33	N.A.	80.80
0-80	3442.94	N.A.	97.00
0-90	3517.75	N.A.	99.10
10-90	3387.5	N.A.	95.40
20-40	1204.02	N.A.	33.90
20-50	1838.27	N.A.	51.80
40-70	1530.6	N.A.	43.10
60-80	575.60	N.A.	16.20
70-80	206.45	N.A.	5.80
80-90	74.81	N.A.	2.10
90-110	28.87	N.A.	0.80
90-120	32.52	N.A.	0.90
90-130	32.52	N.A.	0.90
90-150	32.52	N.A.	0.90
90-180	32.52	N.A.	0.90
110-180	3.65	N.A.	0.10
0-180	3550.27	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	130.25
10-20	371.62
20-30	555.45
30-40	648.57
40-50	634.25
50-60	527.20
60-70	369.15
70-80	206.45
80-90	74.81
90-100	16.99
100-110	11.88
110-120	3.65
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

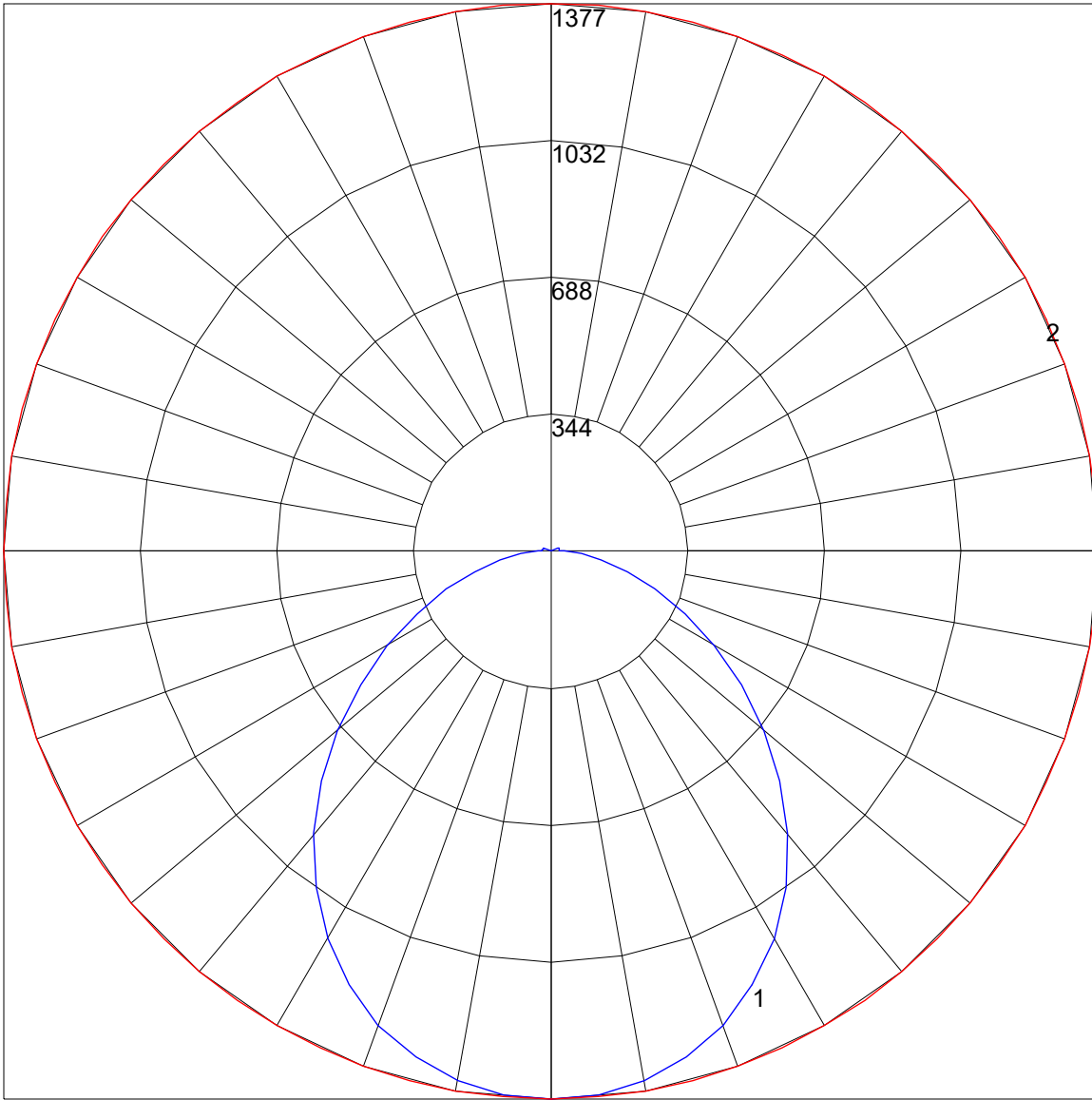
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	109	104	100	96	106	102	98	95	97	94	92	93	91	89	90	88	86	84
2	99	91	85	79	97	89	83	78	86	81	76	82	78	74	79	76	73	70
3	91	81	73	66	88	79	72	66	76	70	65	73	68	63	70	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	65	59	55	63	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	36	31	41	35	30	40	35	30	28
10	54	41	33	28	53	41	33	28	39	33	28	38	32	28	38	32	28	26

POLAR GRAPH



Maximum Candela = 1376.614 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.)