

IES Report

ZipTwo® | 707 | Round, Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-S4-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	124	128	130	130
Total Lumens, 4' rail length (1219mm)	3224	3326	3393	3393
Lumens per foot (305mm)	806	831	848	848
Input Power (W), 4' rail length (1219mm)	26.1	26.1	26.1	26.1
Watts per foot (305mm)	6.6	6.6	6.6	6.6
CRI	82	82	82	82

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_35_S4.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L121911531 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 12/23/2019

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-S4-AL

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, round diffuse lens,

[MORE] standard output, clear anodized finish

[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3393
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	26.11
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.11 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	25045	24413	23869
55	25382	24137	23132
65	26733	24155	21863
75	31614	26077	19420
85	63071	44799	16141

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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	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301
5	1017.482	1017.529	1017.424	1017.424	1017.378	1017.378	1017.332	1017.285	1017.285	1017.482
10	1006.486	1006.486	1006.544	1006.393	1006.393	1006.242	1006.056	1005.906	1005.755	1005.569
15	988.111	988.111	987.960	987.821	987.624	987.288	986.893	986.708	986.313	985.977
20	961.466	961.570	961.327	961.176	960.642	960.155	959.575	958.937	958.264	957.534
25	927.536	927.432	927.142	926.759	925.877	925.251	924.369	923.348	922.328	921.307
30	886.112	886.020	885.625	885.045	884.117	883.050	881.786	880.370	878.862	877.505
35	837.984	837.984	837.300	836.522	835.304	833.901	832.196	830.490	828.600	826.697
40	784.114	783.824	783.139	782.118	780.564	778.812	776.678	774.486	772.003	769.579
45	724.606	724.316	723.434	722.030	720.082	717.704	715.117	712.252	709.189	706.324
50	661.304	660.910	659.796	657.998	655.562	652.500	649.101	645.552	641.561	638.058
55	595.672	595.277	593.816	591.681	588.665	584.872	580.592	576.126	571.312	566.451
60	528.960	528.473	526.675	523.856	520.260	515.446	510.249	504.507	498.429	492.304
65	462.260	461.483	459.580	456.228	451.808	446.264	439.849	432.842	425.268	417.681
70	397.114	396.337	393.901	390.456	385.491	379.076	371.687	363.416	354.380	344.996
75	334.788	334.010	331.424	327.445	321.807	314.847	306.681	297.343	287.088	276.150
80	276.347	275.570	272.797	268.563	262.636	255.096	246.349	236.431	225.156	213.185
85	224.912	224.031	221.166	216.932	210.807	203.174	194.080	183.779	172.156	159.755
90	177.364	176.587	173.861	169.627	163.699	156.066	147.366	137.251	125.964	113.912
95	136.323	135.546	133.122	129.131	123.679	116.534	108.414	99.087	88.879	77.940
100	101.999	101.326	99.180	95.538	90.619	84.494	77.395	69.287	60.482	51.342
105	74.194	73.614	71.665	68.649	64.519	59.462	53.534	46.922	39.869	32.770
110	52.409	51.922	50.367	47.989	44.637	40.600	36.122	30.926	25.717	20.520
115	35.879	35.496	34.324	32.480	29.998	27.028	23.722	20.080	16.484	12.934
120	23.919	23.676	22.806	21.588	19.836	17.702	15.463	13.073	10.788	8.607
125	15.846	15.706	15.126	14.338	13.224	11.867	10.452	8.990	7.679	6.519
130	10.892	10.788	10.405	9.872	9.292	8.410	7.726	6.902	6.171	5.591
135	8.074	7.969	7.876	7.540	7.250	6.856	6.461	6.032	5.684	5.301
140	6.902	6.809	6.705	6.612	6.415	6.229	5.881	5.638	5.394	5.104
145	6.322	6.322	6.322	6.229	6.078	5.881	5.591	5.394	5.208	5.058
150	6.032	5.986	5.928	5.928	5.684	5.591	5.394	5.255	5.208	5.104
155	5.742	5.742	5.742	5.591	5.440	5.394	5.301	5.301	5.208	0.000
160	5.638	5.545	5.498	5.394	5.348	5.301	5.301	5.255	5.104	0.000
165	5.348	5.394	5.301	5.255	5.255	5.255	5.255	5.208	0.000	0.000
170	5.255	5.255	5.255	5.255	5.255	5.255	5.208	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	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301	1020.301
5	1017.332	1017.239	1017.134	1017.134	1017.134	1017.134	1017.088	1017.134	1017.285
10	1005.418	1005.221	1005.175	1005.082	1004.885	1004.838	1004.885	1004.548	1004.734
15	985.536	985.095	984.759	984.469	984.179	983.877	983.784	983.738	983.738
20	956.849	956.165	955.538	955.051	954.471	953.880	953.694	953.694	953.404
25	920.240	919.219	918.152	917.270	916.493	916.017	915.426	915.379	915.286
30	876.044	874.536	873.271	872.111	871.090	870.360	869.675	869.292	869.188
35	824.609	822.962	821.210	819.598	818.392	817.464	816.686	816.199	816.106
40	767.096	764.904	762.816	760.867	759.359	758.153	757.178	756.494	756.494
45	703.308	700.443	698.007	695.826	693.924	692.520	691.395	690.710	690.571
50	634.323	630.959	627.896	625.228	623.036	621.145	619.974	619.347	619.104
55	561.881	557.554	553.807	550.501	547.833	545.687	544.179	543.205	542.868
60	486.330	480.878	475.878	471.691	468.292	465.566	463.524	462.504	462.167

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CANDELA TABULATION - (Cont.)

65	409.944	402.752	396.384	390.792	386.222	382.672	380.097	378.496	378.056
70	335.611	326.180	317.480	309.453	303.085	298.132	294.524	292.343	291.612
75	264.828	253.448	242.266	231.524	222.476	215.134	209.693	206.724	205.656
80	200.552	187.816	174.638	161.310	149.408	138.852	131.080	126.602	125.048
85	146.241	132.344	118.088	103.368	89.656	76.862	65.784	59.369	57.559
90	100.781	87.313	73.556	59.264	46.145	33.501	22.028	12.598	7.006
95	66.213	54.404	42.688	31.018	20.857	12.052	5.348	1.844	1.554
100	41.760	32.434	23.629	15.602	9.292	4.721	2.239	1.752	0.000
105	25.578	18.908	13.073	8.120	4.814	2.772	2.192	0.000	0.000
110	15.602	11.229	7.633	4.907	3.399	2.726	2.378	0.000	0.000
115	9.767	7.192	5.255	3.944	3.306	0.000	0.000	0.000	0.000
120	6.856	5.394	4.420	3.840	0.000	0.000	0.000	0.000	0.000
125	5.498	4.814	4.327	0.000	0.000	0.000	0.000	0.000	0.000
130	5.104	4.663	4.280	0.000	0.000	0.000	0.000	0.000	0.000
135	4.965	4.617	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140	4.907	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	375.03	N.A.	11.10
0-30	799.73	N.A.	23.60
0-40	1317.13	N.A.	38.80
0-60	2370.42	N.A.	69.90
0-80	3075.4	N.A.	90.60
0-90	3242.84	N.A.	95.60
10-90	3146.11	N.A.	92.70
20-40	942.10	N.A.	27.80
20-50	1487.52	N.A.	43.80
40-70	1468.45	N.A.	43.30
60-80	704.98	N.A.	20.80
70-80	289.82	N.A.	8.50
80-90	167.43	N.A.	4.90
90-110	120.44	N.A.	3.50
90-120	136.62	N.A.	4.00
90-130	143.31	N.A.	4.20
90-150	148.61	N.A.	4.40
90-180	150.54	N.A.	4.40
110-180	30.10	N.A.	0.90
0-180	3393.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	96.72
10-20	278.30
20-30	424.71
30-40	517.39
40-50	545.41
50-60	507.88
60-70	415.16
70-80	289.82
80-90	167.43
90-100	82.42
100-110	38.02
110-120	16.18
120-130	6.68
130-140	3.32
140-150	1.98
150-160	1.24
160-170	0.63
170-180	0.07

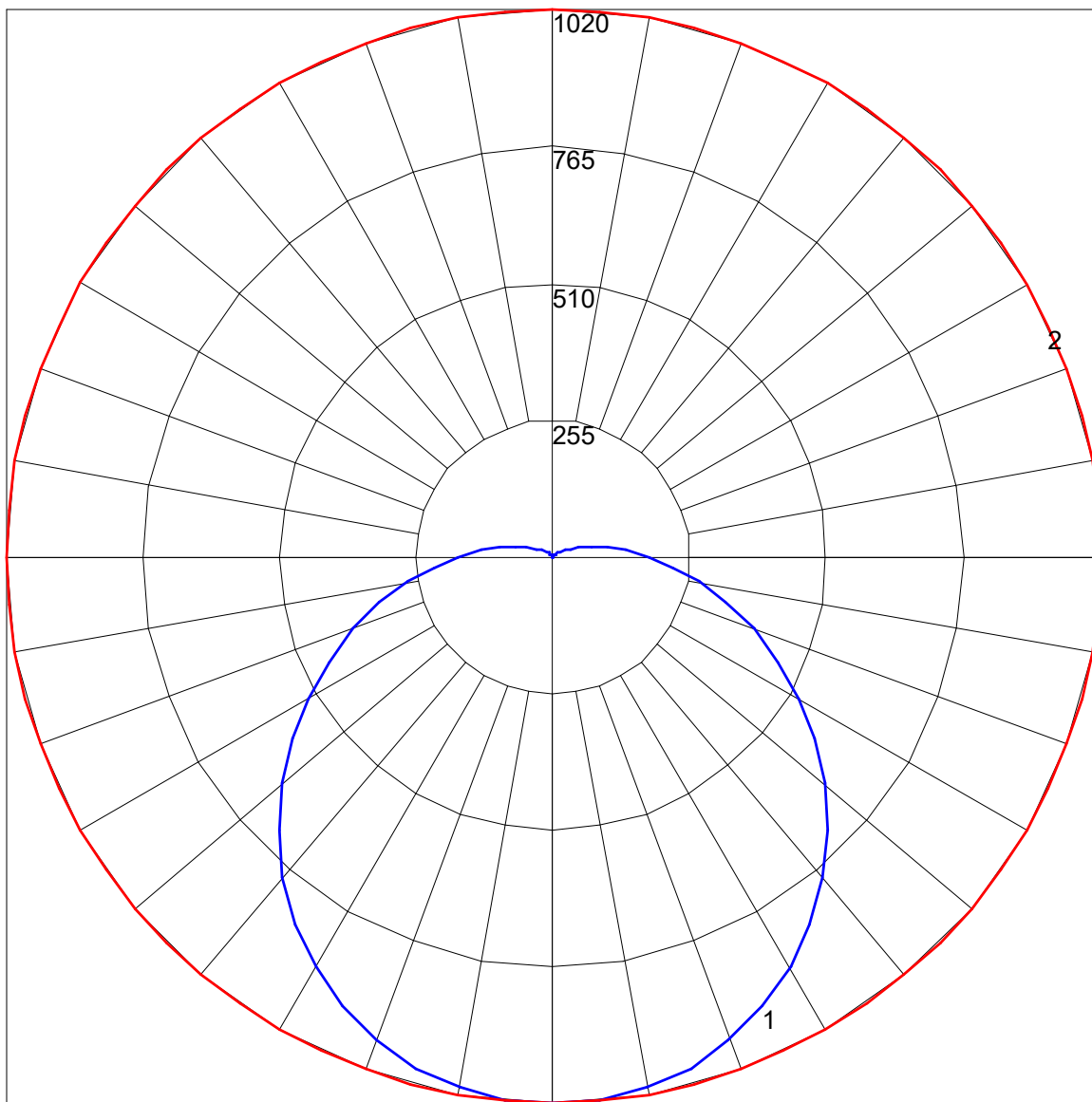
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	96
1	106	101	96	91	103	98	93	89	93	89	86	88	85	82	84	81	79	77
2	96	87	79	73	93	85	78	72	80	75	70	76	72	67	73	69	65	63
3	87	76	67	60	84	74	66	59	70	63	58	67	61	56	64	59	55	52
4	80	67	58	51	77	65	57	50	62	55	49	59	53	48	57	51	47	44
5	73	60	50	43	71	58	49	43	56	48	42	53	46	41	51	45	40	38
6	67	54	44	38	65	52	44	37	50	42	37	48	41	36	46	40	35	33
7	62	48	39	33	60	47	39	33	45	38	32	44	37	32	42	36	31	29
8	58	44	35	29	56	43	35	29	42	34	29	40	33	28	38	32	28	26
9	54	40	32	26	53	40	32	26	38	31	26	37	30	26	35	30	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1020.301 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)