

IES Report

ZipTwo® | 707 | Square 3572, Side Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-H9-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	139	143	146	146
Total Lumens, 4' rail length (1219mm)	3619	3734	3810	3810
Lumens per foot (305mm)	905	933	952	952
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_H9_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011202 (SOURCE REPORT FOR REFERENCE)

[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB

[ISSUE DATE] 9/9/2020

[MANUFAC] Vode Lighting

[LUMCAT] 707-Z2-48-Z-SO-35-H9-WH

[LUMINAIRE] ZipTwo LED, 48", 3500K, 80 CRI, zipper board, square 3572,

[MORE] side 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	3810
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	26.19
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	3.99 ft
Luminous Height	0.22 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6081	4656	576
55	6742	5348	554
65	7077	5796	473
75	7192	6282	517
85	7279	6754	922

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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	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114
5	46.771	46.678	46.284	45.507	44.242	42.688	40.890	38.988	37.097	35.438
10	105.015	104.632	103.507	101.465	98.554	94.853	90.434	85.179	79.344	73.126
15	168.710	168.026	165.938	162.481	157.424	151.009	143.573	134.862	125.094	114.736
20	236.280	235.213	232.151	227.047	219.611	210.320	199.578	186.841	172.643	157.864
25	306.391	304.883	300.556	293.793	283.690	271.486	257.091	240.027	221.166	201.620
30	374.947	373.149	367.604	358.950	346.399	331.725	313.583	292.633	268.853	244.354
35	441.160	439.025	432.703	422.101	407.322	388.797	366.432	342.513	315.381	286.114
40	503.394	500.865	493.232	480.832	463.861	441.252	417.971	388.704	353.788	323.408
45	558.424	555.512	547.044	533.681	513.938	490.170	462.411	430.511	394.342	355.006
50	603.548	600.486	591.101	576.416	555.756	529.934	499.647	464.835	427.889	386.512
55	637.281	633.975	624.498	608.988	587.934	560.709	529.250	492.258	451.031	409.028
60	658.381	655.180	645.888	630.727	609.035	581.427	549.283	511.409	468.918	424.873
65	667.812	664.854	655.562	640.297	618.906	592.308	560.466	522.696	480.739	431.242
70	666.548	663.880	654.832	640.448	620.368	594.303	562.948	526.385	485.205	441.067
75	656.827	654.252	646.132	632.768	613.652	588.665	559.155	523.566	483.117	440.092
80	641.364	638.835	631.353	618.814	600.486	577.587	549.921	515.887	477.236	435.615
85	622.502	620.264	612.979	601.448	584.826	563.238	536.013	504.948	469.116	429.397
90	602.666	600.729	593.816	583.271	567.518	546.998	522.058	491.678	456.518	414.514
95	582.830	580.742	574.571	564.305	549.144	529.691	506.062	477.085	443.398	405.188
100	563.099	561.150	554.921	545.003	530.468	511.699	489.044	461.529	429.734	393.808
105	543.448	541.558	535.676	525.851	512.186	493.905	471.888	445.046	414.514	382.382
110	523.032	521.084	515.492	506.062	492.455	474.614	453.316	427.309	395.316	366.386
115	500.958	499.113	493.522	483.987	470.531	453.699	432.993	408.007	381.118	349.415
120	476.551	474.800	469.069	460.068	447.238	430.511	410.292	387.776	361.421	331.238
125	449.326	447.482	442.227	433.620	420.987	404.991	386.419	364.495	338.337	310.230
130	418.598	416.950	411.800	403.622	392.440	378.009	360.064	338.871	313.536	284.420
135	386.025	384.563	379.993	372.418	361.375	347.234	330.217	307.992	280.337	251.894
140	349.856	348.348	343.975	336.783	326.807	313.641	293.318	267.786	242.800	218.544
145	309.407	308.282	304.349	297.981	288.794	271.138	249.017	227.383	206.573	186.841
150	266.916	265.895	262.589	256.894	243.287	223.451	205.946	189.022	174.534	161.460
155	222.569	221.792	218.973	210.610	192.432	177.793	165.300	156.206	146.346	134.572
160	176.285	175.554	172.643	156.206	144.002	134.676	129.711	123.053	114.063	100.885
165	126.510	125.779	114.643	104.922	98.693	96.698	93.055	87.371	78.184	70.644
170	77.697	71.572	62.037	58.046	58.974	59.218	57.513	54.253	50.947	47.305
175	35.682	26.842	26.738	29.464	31.355	31.216	30.578	29.557	28.153	26.645
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	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114	30.114
5	33.942	32.863	31.888	31.262	30.821	30.636	30.485	30.392	30.531
10	66.074	59.067	51.539	43.755	36.760	32.677	30.682	30.148	30.241
15	103.368	91.547	79.251	66.700	53.963	41.180	32.190	29.708	29.661
20	141.578	124.758	107.393	89.796	72.106	54.404	37.097	29.220	28.687
25	180.078	158.108	135.546	112.694	90.190	67.338	45.263	29.070	27.620
30	218.393	190.286	163.015	134.572	106.674	78.961	52.942	29.418	26.065
35	253.982	221.548	188.778	154.756	124.364	90.770	62.617	30.438	24.499
40	286.949	250.282	212.164	173.814	137.298	101.802	68.254	34.324	22.759
45	316.796	275.326	233.415	192.084	151.009	113.228	73.022	36.900	20.718
50	343.198	297.981	252.520	205.506	161.704	118.332	76.769	38.071	17.597
55	361.236	315.729	267.345	217.512	170.752	125.732	80.701	40.554	16.530
60	372.511	327.538	278.052	228.218	178.628	129.955	84.599	42.595	14.291

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CANDELA TABULATION - (Cont.)

65	385.978	338.279	286.752	233.322	183.094	132.971	86.838	42.978	10.788
70	390.108	343.151	291.415	237.255	186.400	136.080	91.791	42.932	9.918
75	388.113	343.580	292.923	239.633	187.862	138.028	92.661	44.683	7.784
80	387.579	341.736	291.902	239.401	187.758	136.613	91.988	44.637	5.742
85	383.890	338.140	288.747	236.280	186.261	135.650	90.039	43.024	6.322
90	376.640	331.574	283.690	232.487	183.582	135.407	90.434	43.860	5.440
95	366.873	321.854	276.242	228.891	180.612	132.101	89.506	43.175	4.570
100	356.375	313.780	269.004	221.015	175.021	127.960	88.044	40.786	3.990
105	343.198	302.992	260.014	213.776	169.488	124.700	86.838	38.605	3.793
110	328.802	289.571	248.971	206.816	163.699	120.280	82.743	35.102	4.083
115	314.708	277.321	238.078	196.179	155.823	114.353	76.815	30.241	4.965
120	297.691	262.346	225.295	185.716	147.552	108.414	70.980	24.604	5.835
125	278.342	243.913	208.185	170.694	134.572	100.537	57.026	22.075	6.705
130	251.836	218.637	185.774	152.122	119.167	85.086	48.279	19.395	7.389
135	221.989	193.163	164.082	133.992	103.948	71.665	39.765	16.530	7.969
140	192.966	168.803	144.153	116.046	88.044	60.088	33.396	14.976	8.561
145	168.270	149.164	122.368	97.185	72.291	48.766	28.582	13.514	9.141
150	145.661	124.120	101.372	80.121	59.705	40.983	26.007	13.270	10.405
155	116.104	98.206	81.676	64.809	49.636	35.879	23.096	13.955	11.960
160	88.044	75.597	62.860	51.829	41.087	30.241	20.613	14.825	13.711
165	62.860	55.471	48.082	40.206	32.039	24.024	18.084	15.556	15.068
170	43.024	38.454	33.594	28.490	23.339	19.105	16.971	16.379	16.240
175	24.743	22.806	20.718	19.152	18.189	17.458	17.261	17.214	17.110
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	35.90	N.A.	0.90
0-30	123.05	N.A.	3.20
0-40	289.41	N.A.	7.60
0-60	883.36	N.A.	23.20
0-80	1701.27	N.A.	44.70
0-90	2121.42	N.A.	55.70
10-90	2116.8	N.A.	55.60
20-40	253.51	N.A.	6.70
20-50	509.54	N.A.	13.40
40-70	989.61	N.A.	26.00
60-80	817.91	N.A.	21.50
70-80	422.26	N.A.	11.10
80-90	420.15	N.A.	11.00
90-110	757.94	N.A.	19.90
90-120	1068.09	N.A.	28.00
90-130	1316.5	N.A.	34.60
90-150	1607.7	N.A.	42.20
90-180	1688.46	N.A.	44.30
110-180	930.52	N.A.	24.40
0-180	3809.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.62
10-20	31.28
20-30	87.15
30-40	166.36
40-50	256.03
50-60	337.93
60-70	395.65
70-80	422.26
80-90	420.15
90-100	397.63
100-110	360.31
110-120	310.15
120-130	248.42
130-140	178.97
140-150	112.23
150-160	57.76
160-170	20.26
170-180	2.74

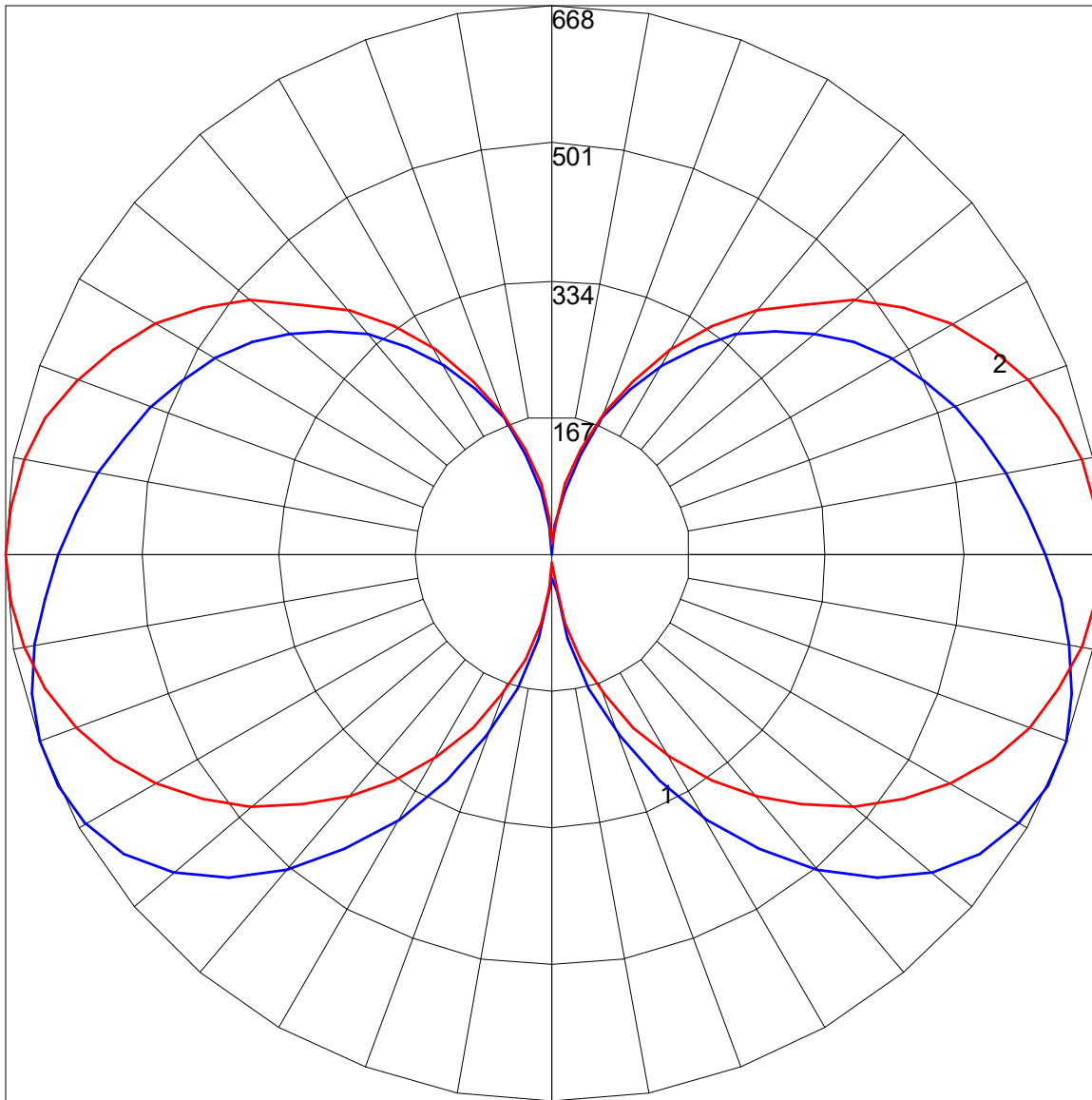
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56
1	93	86	80	75	86	80	74	69	67	63	59	56	52	49	45	43	40	35
2	83	72	64	56	75	66	59	52	55	49	44	45	41	37	36	33	29	25
3	74	61	52	44	67	56	48	41	47	40	34	38	33	28	30	26	22	18
4	67	53	43	35	61	49	40	33	40	33	28	33	27	23	26	21	18	14
5	61	46	36	29	55	43	34	27	35	28	23	29	23	18	22	18	14	11
6	55	41	31	24	50	38	29	23	31	24	19	25	20	15	20	15	12	9
7	51	37	27	21	46	34	25	19	28	21	16	23	17	13	18	13	10	7
8	47	33	24	18	43	30	22	16	25	18	14	21	15	11	16	12	8	6
9	44	30	21	15	40	27	20	14	23	16	12	19	13	10	15	10	7	5
10	41	27	19	14	37	25	17	12	21	15	10	17	12	8	13	9	6	4

POLAR GRAPH



Maximum Candela = 667.812 Located At Horizontal Angle = 0, Vertical Angle = 65
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (65) (Through Max. Cd.)