

IES Report

ZipTwo® | 707 | Square 3554, Side Diffuse | 80 CRI | SO

707-Z2-4-48-XX-XX-X-0-Z-SO-35-J9-X-WH-0

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	131	135	138	138
Total Lumens, 4' rail length (1219mm)	3416	3524	3596	3596
Lumens per foot (305mm)	854	881	899	899
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_J9_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L082011207 (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-J9-WH

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

[MORE] square 3554, 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	3596
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	138
Total Luminaire Watts	26.14
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	0.17 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6501	4943	413
55	7413	5782	408
65	8016	6399	433
75	8416	7138	538
85	8838	7950	1228

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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	23.061	23.061	23.061	23.061	23.061	23.061	23.061	23.061	23.061	23.061
5	49.880	49.880	49.544	48.766	47.792	46.574	45.020	43.314	41.273	38.988
10	102.103	101.802	100.734	99.041	96.408	93.148	89.355	84.889	79.738	74.286
15	158.688	158.062	156.206	153.201	148.631	143.179	136.718	129.085	120.524	111.476
20	218.683	217.813	215.041	210.517	204.056	196.075	186.551	175.612	162.968	149.942
25	281.207	279.943	276.103	270.025	261.278	250.479	237.742	222.964	206.387	188.778
30	344.114	342.606	337.653	329.730	318.640	305.080	288.747	270.071	249.504	227.778
35	402.752	400.757	394.783	385.781	373.682	356.955	337.258	314.847	290.592	264.480
40	460.311	457.887	451.124	440.092	424.537	405.037	384.273	357.872	328.605	298.422
45	511.653	509.275	501.445	488.859	470.914	449.477	424.142	390.885	363.521	329.579
50	554.735	552.102	543.309	529.598	510.829	486.759	458.757	427.356	391.082	357.002
55	588.085	585.116	576.126	561.927	542.091	516.757	487.780	453.606	415.825	378.102
60	609.870	606.993	598.247	584.141	563.284	537.857	507.964	472.712	433.620	392.393
65	621.632	618.756	609.626	595.428	575.105	549.968	519.634	484.578	445.730	397.555
70	623.674	620.809	612.294	598.247	579.385	554.248	524.877	489.972	451.275	404.457
75	617.839	615.218	607.341	594.454	575.975	551.858	523.566	489.578	451.275	406.638
80	606.564	604.174	596.785	584.489	566.544	544.330	517.198	484.625	448.166	403.088
85	592.458	590.266	583.028	571.451	555.164	533.391	507.326	476.551	441.403	398.182
90	577.193	575.058	568.388	557.310	541.511	520.840	496.144	466.250	431.880	394.435
95	561.637	559.398	552.833	542.381	526.582	507.280	483.511	454.627	421.416	387.243
100	545.884	543.843	537.474	527.023	512.244	493.081	469.208	441.937	407.856	377.719
105	529.552	527.649	521.281	511.166	496.677	477.723	455.254	427.889	395.456	364.437
110	511.943	509.959	503.881	493.963	479.231	460.845	438.874	412.380	383.450	350.633
115	491.724	489.682	483.453	473.593	459.290	441.647	419.816	394.098	367.012	335.704
120	468.292	466.390	460.462	450.695	437.227	419.572	399.005	375.724	347.954	317.968
125	441.252	439.362	433.724	424.583	411.406	395.409	376.350	352.768	326.076	297.644
130	410.338	408.540	403.042	394.876	383.113	367.604	349.079	327.294	301.971	271.672
135	378.253	376.687	371.536	363.277	351.747	337.119	319.615	296.716	268.076	238.519
140	339.845	338.337	333.570	326.030	315.775	302.157	281.161	255.200	230.156	205.900
145	298.317	296.960	292.877	286.160	276.834	258.750	236.431	215.041	194.474	174.394
150	254.759	253.646	250.038	244.203	230.446	210.714	193.500	176.680	162.238	149.304
155	209.740	208.719	205.796	198.070	180.032	165.834	153.340	144.490	134.722	123.296
160	164.233	163.456	160.776	145.174	133.458	123.586	118.482	112.160	102.776	90.921
165	115.130	114.399	104.435	95.387	88.821	86.838	83.474	77.546	69.090	61.793
170	67.872	63.348	55.274	51.434	51.875	51.539	49.451	46.330	43.268	40.252
175	30.728	23.966	24.024	25.914	26.889	26.494	25.822	25.044	23.780	22.318
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	23.061	23.061	23.061	23.061	23.061	23.061	23.061	23.061	23.061
5	36.610	34.174	31.749	29.267	26.935	24.986	23.780	22.991	22.655
10	68.208	61.840	55.135	48.082	40.983	33.884	27.910	23.583	22.168
15	101.372	90.770	80.028	68.556	57.269	45.414	34.324	24.940	21.588
20	135.453	120.524	105.258	89.262	73.614	57.130	41.667	27.272	20.810
25	169.975	149.988	130.198	109.434	88.926	68.359	48.766	29.754	19.836
30	203.951	179.498	154.605	128.737	104.087	79.147	55.135	32.434	18.664
35	235.608	206.631	177.260	146.636	117.798	92.904	61.167	34.522	17.412
40	265.501	232.058	198.801	164.326	130.836	99.818	67.141	37.723	16.240
45	293.318	255.246	217.952	179.545	142.309	105.838	71.955	39.672	14.686
50	316.796	275.860	234.529	192.189	152.273	112.648	74.924	40.159	13.421
55	335.321	292.436	248.194	202.930	160.486	119.410	84.842	42.352	11.960
60	349.810	303.723	258.355	212.848	167.632	123.204	89.065	43.175	10.498

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CANDELA TABULATION - (Cont.)

65	360.458	313.977	266.568	217.512	171.471	125.628	89.018	42.444	9.628
70	365.365	319.174	271.196	221.363	174.487	128.203	88.728	42.978	9.141
75	366.432	319.708	272.507	224.669	176.587	129.758	89.123	43.419	7.784
80	366.142	320.253	272.797	222.917	175.659	128.110	88.775	42.201	6.519
85	361.862	316.993	270.268	221.061	174.348	127.820	87.905	40.693	7.679
90	354.809	310.961	265.362	218.440	172.399	126.452	86.350	40.936	6.322
95	347.420	304.152	260.350	213.916	168.119	122.473	85.817	39.626	4.965
100	337.989	296.670	253.448	207.547	163.746	119.260	84.007	35.879	5.835
105	326.378	287.135	244.690	200.889	158.549	116.592	81.629	34.371	4.768
110	314.024	274.885	235.213	194.428	152.958	110.850	74.774	31.308	4.280
115	300.359	263.564	225.052	184.312	144.687	104.528	66.166	26.204	4.570
120	283.875	249.458	212.709	173.814	136.277	98.693	60.680	22.168	4.860
125	265.257	230.747	194.857	159.024	123.250	91.304	51.585	19.256	4.965
130	238.716	205.703	173.084	139.583	108.321	75.458	43.558	15.996	5.255
135	209.542	180.809	152.030	122.809	94.320	64.519	34.812	13.862	5.545
140	180.960	156.449	132.576	105.595	79.495	53.870	28.640	12.493	6.032
145	156.113	137.495	111.778	87.557	65.192	42.885	24.070	11.519	6.322
150	134.282	113.332	91.988	72.535	52.803	36.030	21.831	11.333	6.902
155	105.885	88.821	74.194	57.617	43.372	30.972	19.546	11.136	7.784
160	79.298	67.187	54.938	44.440	34.858	25.822	17.017	10.602	8.364
165	54.497	47.502	40.844	33.942	27.272	20.277	14.338	10.162	8.851
170	36.610	32.816	28.826	24.406	19.639	15.463	11.960	10.115	9.338
175	20.520	18.664	16.484	14.488	12.783	11.333	10.452	9.872	9.721
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	34.59	N.A.	1.00
0-30	116.09	N.A.	3.20
0-40	270.08	N.A.	7.50
0-60	819.29	N.A.	22.80
0-80	1583.47	N.A.	44.00
0-90	1980.6	N.A.	55.10
10-90	1976.06	N.A.	55.00
20-40	235.49	N.A.	6.50
20-50	471.68	N.A.	13.10
40-70	917.60	N.A.	25.50
60-80	764.18	N.A.	21.30
70-80	395.79	N.A.	11.00
80-90	397.13	N.A.	11.00
90-110	725.40	N.A.	20.20
90-120	1024.49	N.A.	28.50
90-130	1263.96	N.A.	35.20
90-150	1541.44	N.A.	42.90
90-180	1615.13	N.A.	44.90
110-180	889.74	N.A.	24.70
0-180	3595.73	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	4.54
10-20	30.05
20-30	81.50
30-40	153.99
40-50	236.19
50-60	313.02
60-70	368.39
70-80	395.79
80-90	397.13
90-100	379.24
100-110	346.16
110-120	299.09
120-130	239.47
130-140	171.47
140-150	106.00
150-160	53.40
160-170	18.01
170-180	2.29

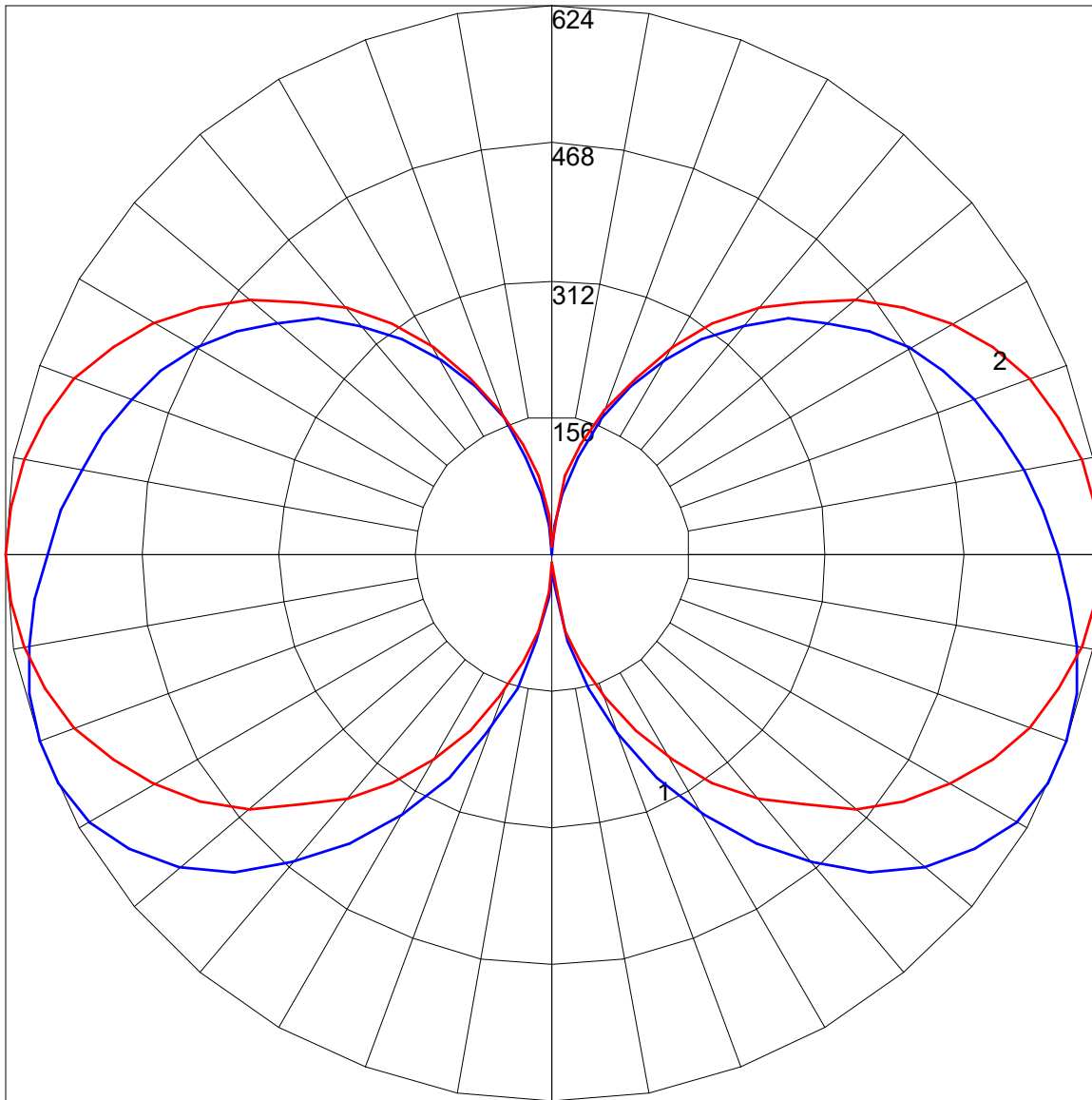
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55
1	93	86	80	75	86	80	74	69	67	63	59	55	52	49	45	42	40	34
2	82	72	63	56	75	66	59	52	55	49	44	45	40	36	36	32	29	24
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	22	25	21	17	14
5	60	46	37	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	8
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	20	15	11	16	12	8	6
9	43	30	21	15	40	27	20	14	23	16	12	19	13	10	15	10	7	5
10	40	27	19	14	37	25	17	12	21	15	10	17	12	8	13	9	6	4

POLAR GRAPH



Maximum Candela = 623.674 Located At Horizontal Angle = 0, Vertical Angle = 70
1 - Vertical Plane Through Horizontal Angles (0 - 180)
2 - Horizontal Cone Through Vertical Angle (70) (Through Max. Cd.)