

IES Report

ZipTwo® | 707 | Ceiling Cable | Square 3520, Diffuse | 80 CRI | SO

707-Z2-S-4-48-CC-XX-XX-XX-X-X-Z-SO-X-F6-WH-X

	2700K	3000K	3500K	4000K
Efficacy - Lumens per Watt	144	148	151	151
Total Lumens, 4' rail length (1219mm)	3735	3853	3931	3931
Lumens per foot (305mm)	934	963	983	983
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_CC_SO_35_F6_WH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L082011211 (SOURCE REPORT FOR REFERENCE)
[TESTLAB] REPORT BASED ON DATA FROM NVLAP ACCREDITED LAB
[ISSUE DATE] 5/12/2021
[MANUFAC] Vode Lighting
[LUMCAT] 707-Z2-48-CC-Z-SO-35-F6-WH
[LUMINAIRE] ZipTwo LED, 48", ceiling cable suspended, 3500K, 80 CRI, zipper board,
[MORE] square 3520, diffuse lens, standard output, white painted finish
[TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3931
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	26.18
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.34
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.44
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.13 ft
Luminous Width (90-270)	4.00 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	15174	15598	18557
55	14184	14402	17761
65	13172	13072	16835
75	11947	11547	15822
85	10535	9800	15572

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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	988.480	988.480	988.480	988.480	988.480	988.480	988.480	988.480	988.480	988.480
5	987.688	987.542	987.640	987.384	987.335	987.286	986.872	986.775	986.677	986.422
10	984.120	984.022	984.168	983.657	983.048	982.536	981.818	980.904	979.991	978.968
15	972.585	972.281	971.720	971.355	970.393	969.467	968.188	966.605	964.973	963.134
20	952.159	951.904	951.295	950.527	949.358	947.775	945.887	943.633	941.295	938.786
25	924.292	924.036	923.268	922.050	920.406	918.165	915.558	912.708	909.383	905.814
30	890.188	889.786	888.860	887.435	885.133	882.076	878.811	874.829	870.590	865.840
35	850.578	849.969	848.739	846.693	843.891	840.310	836.084	831.382	825.975	820.250
40	806.060	805.756	804.172	801.420	797.948	793.357	788.241	782.273	775.744	768.850
45	758.278	757.462	755.574	752.359	747.864	742.359	736.074	729.034	721.166	713.054
50	706.927	705.904	703.663	699.826	694.577	688.133	680.533	672.214	662.921	653.579
55	652.714	651.898	649.194	644.590	638.463	631.070	622.288	612.837	602.374	591.656
60	595.846	594.774	591.863	586.808	579.768	571.388	561.486	550.560	538.563	526.724
65	535.603	534.483	531.060	525.750	518.040	508.698	498.235	486.189	473.120	460.160
70	472.097	470.928	467.505	461.683	453.827	444.022	432.889	420.234	406.812	393.134
75	407.068	405.947	402.525	396.751	388.688	378.786	367.556	354.438	340.443	326.253
80	341.211	339.932	336.619	331.101	323.087	313.440	302.308	289.397	275.353	261.115
85	278.630	277.558	274.440	269.032	261.419	252.077	241.103	228.497	214.563	200.373
90	219.508	218.546	215.428	210.373	203.016	193.991	183.321	170.861	157.134	142.932
95	196.841	195.976	193.224	188.571	181.994	173.772	164.016	152.591	139.924	126.855
100	190.008	189.131	186.488	182.298	176.123	168.462	159.278	148.608	136.708	124.248
105	184.186	183.321	180.922	176.781	170.910	163.565	154.930	144.723	133.493	121.398
110	177.450	176.634	174.332	170.447	164.893	157.950	149.680	140.033	129.364	117.768
115	169.789	169.022	166.829	163.261	157.792	151.312	143.505	134.358	124.309	113.639
120	161.105	160.398	158.303	154.832	150.033	143.700	136.404	127.927	118.584	108.378
125	151.203	150.545	148.608	145.393	140.898	135.125	128.389	120.521	111.752	102.251
130	140.277	139.668	137.878	134.979	130.838	125.527	119.303	111.946	103.018	92.300
135	128.134	127.671	126.039	123.335	119.510	114.553	108.731	99.803	90.607	81.837
140	114.857	114.297	112.921	110.570	107.208	102.811	94.700	86.734	79.073	71.521
145	101.593	101.179	100.010	98.012	94.651	87.392	80.656	74.322	68.305	62.788
150	87.903	87.452	86.429	84.480	78.305	72.690	67.794	63.092	59.572	55.638
155	74.018	73.616	72.642	68.561	63.348	59.317	56.101	53.957	50.693	46.503
160	59.110	58.805	56.771	51.862	48.647	46.053	44.615	42.265	38.745	35.322
165	41.753	41.302	37.466	35.736	34.409	34.311	33.178	31.083	29.001	27.259
170	28.489	26.041	24.506	23.897	24.908	24.859	24.299	23.641	22.825	21.851
175	17.564	16.285	16.748	17.868	18.075	17.917	17.661	17.612	17.357	17.052
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	988.480	988.480	988.480	988.480	988.480	988.480	988.480	988.480	988.480
5	986.166	986.117	985.801	985.545	985.496	985.654	985.496	985.289	985.447
10	977.896	976.458	975.338	974.266	973.547	972.841	972.476	972.122	972.378
15	961.246	959.102	957.165	954.973	952.720	950.893	949.662	949.248	948.895
20	935.619	932.818	929.907	926.691	923.622	920.613	917.909	916.789	916.435
25	901.929	897.946	893.768	889.676	885.693	881.613	877.679	875.486	874.877
30	860.834	855.937	850.834	845.572	840.627	835.463	830.713	827.193	826.376
35	814.330	807.997	801.724	795.135	788.911	782.784	777.121	772.115	770.836
40	761.347	753.893	746.537	738.680	731.482	724.332	717.548	711.617	709.887
45	704.369	695.490	686.867	677.927	669.705	661.337	653.628	646.795	644.030
50	643.579	633.360	623.713	613.762	604.213	595.078	586.650	578.745	575.018
55	580.170	568.891	557.966	546.736	536.115	526.006	516.456	507.882	503.144
60	514.167	501.609	489.660	477.456	465.715	454.594	444.229	434.936	429.321

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CANDELA TABULATION - (Cont.)

65	446.580	432.999	420.027	407.117	394.912	382.720	371.989	361.831	355.096
70	378.676	364.389	350.601	336.509	323.342	310.882	299.250	288.727	280.773
75	311.345	296.437	281.991	267.497	253.770	240.640	228.546	217.778	209.094
80	245.853	230.787	215.830	201.189	187.353	173.918	161.470	150.289	140.484
85	185.258	169.996	155.137	140.033	125.892	111.691	99.133	87.392	76.880
90	127.622	112.263	97.050	81.423	66.418	51.923	38.538	26.601	15.517
95	112.616	98.220	84.030	69.329	55.236	41.497	28.635	16.894	6.334
100	110.984	96.941	83.165	68.817	54.981	41.497	28.696	16.382	6.845
105	108.633	95.211	81.837	67.952	54.469	40.888	27.722	16.126	7.454
110	105.625	92.702	79.889	66.515	53.093	39.670	27.466	14.957	7.966
115	101.898	89.742	77.233	63.860	51.205	38.489	26.857	14.044	8.684
120	97.355	85.808	73.567	61.205	48.903	37.320	24.299	13.118	9.086
125	91.277	79.438	67.843	55.748	45.029	34.153	22.107	12.204	9.598
130	81.728	71.424	60.900	50.742	41.400	30.267	20.316	11.949	10.109
135	72.642	63.604	54.932	46.150	37.064	26.747	18.173	11.644	10.621
140	64.067	56.966	49.366	40.998	31.400	23.788	16.845	11.583	11.023
145	57.587	51.253	42.983	34.153	27.417	20.621	15.773	11.583	11.327
150	50.535	43.142	35.736	30.072	24.092	19.707	15.420	12.509	12.253
155	40.121	34.969	30.779	25.834	22.155	18.587	15.054	13.374	13.276
160	32.167	28.282	25.322	22.825	20.219	17.101	14.701	14.044	13.983
165	25.468	23.788	21.997	19.963	17.819	15.883	14.860	14.604	14.604
170	20.877	19.707	18.428	17.198	16.126	15.517	15.310	15.371	15.420
175	16.748	16.540	16.187	15.931	15.822	15.822	15.931	15.931	15.931
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	365.46	N.A.	9.30
0-30	781.86	N.A.	19.90
0-40	1292.87	N.A.	32.90
0-60	2364.9	N.A.	60.20
0-80	3154.99	N.A.	80.20
0-90	3366.07	N.A.	85.60
10-90	3272.17	N.A.	83.20
20-40	927.41	N.A.	23.60
20-50	1474.43	N.A.	37.50
40-70	1523.2	N.A.	38.70
60-80	790.10	N.A.	20.10
70-80	338.92	N.A.	8.60
80-90	211.08	N.A.	5.40
90-110	250.89	N.A.	6.40
90-120	354.22	N.A.	9.00
90-130	437.40	N.A.	11.10
90-150	535.44	N.A.	13.60
90-180	565.40	N.A.	14.40
110-180	314.51	N.A.	8.00
0-180	3931.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	93.90
10-20	271.56
20-30	416.40
30-40	511.00
40-50	547.02
50-60	525.01
60-70	451.17
70-80	338.92
80-90	211.08
90-100	132.40
100-110	118.48
110-120	103.34
120-130	83.18
130-140	59.97
140-150	38.07
150-160	20.43
160-170	7.98
170-180	1.55

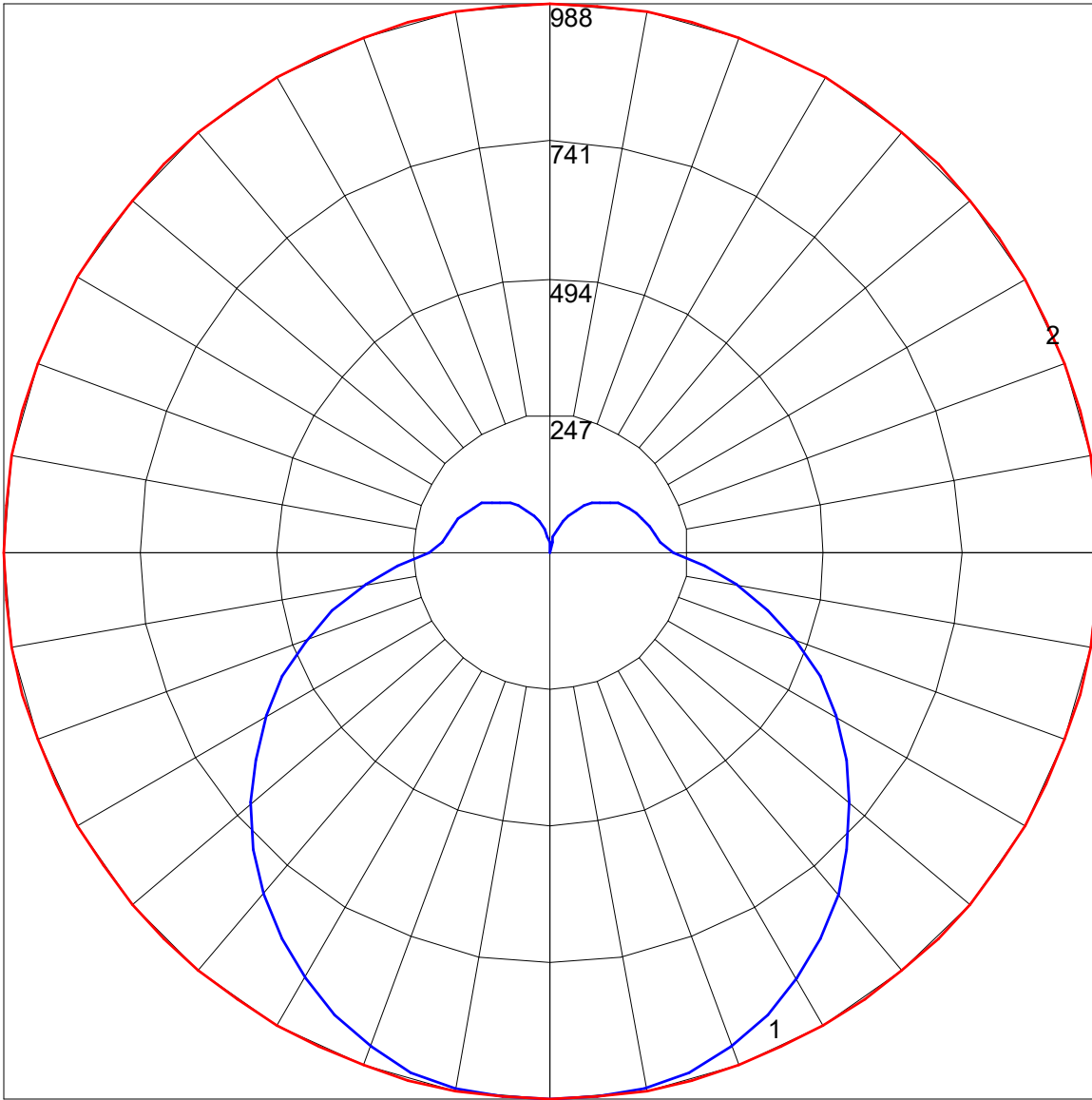
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	103	98	93	88	88	99	94	90	86	87	84	80	81	78	75	75	73	71	67
2	93	84	77	70	70	89	81	74	69	75	70	65	70	65	61	65	61	58	55
3	85	73	65	58	58	81	71	63	56	66	59	53	61	55	51	56	52	48	45
4	77	65	55	48	48	74	62	54	47	58	51	45	54	48	43	50	45	41	38
5	71	57	48	41	41	68	55	47	40	52	44	39	48	42	37	45	39	35	33
6	65	51	42	36	36	62	50	41	35	46	39	33	43	37	32	41	35	31	28
7	60	46	38	31	31	58	45	37	31	42	35	29	39	33	28	37	31	27	25
8	56	42	34	28	28	54	41	33	27	38	31	26	36	30	25	34	28	24	22
9	52	39	30	25	25	50	38	30	24	35	28	23	33	27	23	31	26	22	20
10	49	36	28	22	22	47	35	27	22	33	26	21	31	25	20	29	24	20	18

POLAR GRAPH



Maximum Candela = 988.48 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.)