



IES INDOOR REPORT
PHOTOMETRIC FILENAME : TRSDI48L40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 8,388P18
[TESTLAB] CSA Group
[ISSUEDATE] 10/19/2019 11:36:40 AM
[LUMINAIRE] TRSDI48L-40/TRWDI48L-40
[_AMBIENT] 24.8 deg C
[_POWERFACTOR] 0.9982
[_ATHD] 5.33%
[_CURRENT] 0.3886
[_VOLTAGE] 120.06
[_STABILIZATION] 49:34.5 Stable
[_POWER VARIATION] 0.26 %
[_LIGHT VARIATION] 0.45 %
[_Lumens] 5,634
[_CONVERT]
[MANUFAC] LAMAR LIGHTING CO., INC.
[_SEARCH_SOURCE] LED
[_SEARCH_APPLICATION] Indoor, Architectural, Direct-Indirect
[_SEARCH_MOUNTING] Suspended

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5634
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	121
Total Luminaire Watts	46.65
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
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	3.83 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7990	8088	8190
55	7243	7450	7482
65	6414	6762	6411
75	5270	5905	5040
85	4340	4926	1950

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1175.457	1175.504	1175.551	1175.621	1175.715	1175.820	1175.949	1176.089	1176.241	1176.405
5.0	1166.453	1166.523	1166.628	1166.769	1166.944	1167.155	1167.389	1167.669	1167.973	1168.312
7.5	1157.437	1157.542	1157.694	1157.893	1158.150	1158.454	1158.817	1159.215	1159.659	1159.729
10.0	1148.421	1148.514	1148.620	1148.713	1149.345	1149.742	1150.198	1150.128	1150.222	1150.374
12.5	1125.746	1125.957	1126.389	1127.021	1127.863	1128.681	1129.301	1130.132	1131.172	1132.412
15.0	1103.072	1103.317	1103.808	1104.533	1105.504	1105.913	1106.650	1107.632	1108.942	1109.410
17.5	1080.397	1080.666	1081.204	1082.034	1082.595	1083.145	1083.987	1084.864	1085.344	1086.115
20.0	1057.722	1057.839	1057.956	1059.511	1059.745	1060.365	1061.371	1061.429	1061.979	1062.903
22.5	1023.599	1023.938	1024.815	1025.856	1026.827	1028.324	1029.528	1030.978	1032.978	1033.913
25.0	989.488	989.792	990.681	991.546	992.633	994.013	995.078	996.703	997.568	998.703
27.5	955.365	955.622	956.511	957.247	958.440	959.481	960.685	961.715	962.323	963.340
30.0	921.242	921.125	921.008	922.961	924.270	925.019	926.375	926.492	927.159	927.217
32.5	881.482	881.728	882.651	883.669	885.107	886.335	887.598	888.381	889.305	890.194
35.0	841.722	841.956	842.810	843.921	845.067	846.271	846.821	847.686	848.096	849.043
37.5	801.951	802.173	802.980	804.185	804.992	806.278	806.126	806.629	807.213	807.436
40.0	762.192	761.958	763.162	764.448	764.881	765.396	765.501	765.782	766.331	765.887
42.5	717.111	717.368	718.339	720.046	720.771	721.485	722.455	723.134	723.707	723.999
45.0	672.031	672.300	673.294	674.814	675.937	676.463	677.164	678.287	678.439	678.813
47.5	626.939	627.219	628.272	629.769	631.195	631.546	632.283	633.300	633.604	634.072
50.0	581.858	581.660	583.250	584.794	586.372	586.746	587.553	588.407	589.097	589.787
52.5	538.029	538.333	539.468	540.894	542.157	542.613	543.397	544.075	544.835	545.806
55.0	494.188	494.539	495.744	497.100	498.153	498.726	499.603	500.164	500.959	501.953
57.5	450.348	450.745	452.020	453.306	454.218	454.885	455.832	456.405	457.329	458.440
60.0	406.519	406.542	406.647	409.500	410.354	411.126	412.015	412.985	413.909	415.242
62.5	364.479	364.724	365.987	366.981	367.718	368.443	369.226	369.975	371.097	372.571
65.0	322.450	322.485	323.737	324.579	325.327	326.157	327.034	327.935	329.104	330.730
67.5	280.410	280.247	281.463	282.153	282.983	283.907	284.959	285.965	287.286	288.959
70.0	238.370	237.716	238.008	239.727	240.674	241.703	242.990	244.042	245.632	247.316
72.5	200.318	200.073	201.113	201.686	202.575	203.417	204.493	205.265	206.633	207.779
75.0	162.266	162.172	163.155	163.962	165.026	165.961	167.166	168.183	169.738	170.943
77.5	124.214	124.272	125.184	126.260	127.488	128.540	129.862	131.183	132.856	134.224
80.0	86.161	86.232	86.641	87.296	89.962	91.131	92.581	94.254	95.996	97.598
82.5	65.580	65.826	66.445	67.346	68.024	68.574	69.556	70.936	72.000	72.819
85.0	44.999	45.338	45.946	46.682	47.057	47.536	48.741	50.670	52.038	53.091
87.5	24.405	24.861	25.446	26.007	26.078	26.499	27.914	30.416	32.077	33.375
90.0	3.824	4.374	4.935	5.332	5.099	5.449	7.087	10.139	12.103	13.647
92.5	26.452	26.697	27.048	27.095	26.662	26.452	27.305	29.422	30.568	31.200
95.0	49.091	49.033	49.162	48.869	48.226	47.466	47.524	48.706	49.045	48.787
97.5	71.719	71.357	71.275	70.643	69.801	68.503	67.802	68.036	67.568	66.445
100.0	94.347	93.739	93.599	92.897	92.219	90.897	90.055	90.149	89.845	89.003
102.5	130.119	129.230	129.032	128.307	127.453	125.956	124.810	124.541	123.956	122.822
105.0	165.891	164.722	164.464	163.728	162.710	161.073	159.646	159.003	158.173	156.793
107.5	201.651	200.213	199.909	199.149	198.014	196.249	194.553	193.571	192.507	190.916
110.0	237.423	235.751	235.459	234.827	233.751	232.114	230.489	229.495	228.641	227.343
112.5	276.224	274.903	274.599	273.897	272.692	270.997	269.278	267.980	266.962	265.629
115.0	315.025	314.042	313.738	313.002	311.704	309.949	308.149	306.640	305.412	304.231
117.5	353.825	353.170	352.890	352.130	350.773	348.984	347.136	345.511	344.014	342.997
120.0	392.626	392.310	392.112	391.445	390.170	388.486	386.709	385.411	383.505	382.066
122.5	433.859	433.368	433.111	432.374	431.053	429.334	427.439	425.381	423.662	421.767
125.0	475.092	474.449	474.122	473.373	472.028	470.309	468.286	465.947	464.053	462.100
127.5	516.325	515.542	515.144	514.431	513.098	511.367	509.239	506.841	504.690	503.111
130.0	557.558	556.634	556.190	555.547	554.261	552.343	550.214	547.899	545.513	543.654
132.5	598.698	597.879	597.365	596.745	595.353	593.272	591.178	589.074	586.629	584.466

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CANDELA TABULATION - (Cont.)

135.0	639.826	639.112	638.586	638.025	636.434	634.411	632.376	630.307	627.979	625.875
137.5	680.965	680.345	679.842	679.585	677.644	675.761	674.171	671.598	669.587	667.891
140.0	722.093	721.555	721.064	720.444	718.631	716.784	714.492	712.024	709.744	707.160
142.5	761.057	760.554	760.239	759.631	758.110	756.929	754.169	751.936	749.422	746.837
145.0	800.022	799.554	799.437	798.817	797.741	796.186	794.104	792.315	789.591	787.287
147.5	838.986	838.553	838.659	838.039	837.524	835.864	834.308	832.437	830.403	827.994
150.0	877.950	877.483	877.623	876.676	876.313	874.021	872.279	869.554	867.332	864.093
152.5	909.875	909.419	909.536	908.799	908.343	906.893	905.186	903.350	901.151	899.245
155.0	941.800	941.367	941.461	941.016	940.467	939.917	938.256	937.134	935.286	933.672
157.5	973.724	973.303	973.385	973.315	972.707	972.578	971.502	970.391	969.889	968.181
160.0	1005.649	1005.181	1004.994	1005.146	1003.813	1002.924	1002.550	1000.153	998.422	997.112
162.5	1026.453	1025.996	1025.809	1025.868	1025.295	1024.511	1024.008	1023.365	1021.798	1020.512
165.0	1047.256	1046.835	1046.636	1046.660	1046.975	1046.110	1045.689	1045.490	1045.748	1044.216
167.5	1068.060	1067.674	1067.487	1067.487	1067.674	1067.732	1067.370	1067.218	1067.253	1067.498
170.0	1088.863	1088.477	1088.150	1087.881	1087.659	1087.495	1087.448	1086.466	1085.741	1085.075
172.5	1095.891	1095.599	1095.354	1095.155	1094.991	1094.862	1094.781	1094.745	1094.804	1094.126
175.0	1102.920	1102.721	1102.557	1102.428	1102.312	1102.241	1102.183	1102.159	1102.159	1102.195
177.5	1109.936	1109.842	1109.761	1109.690	1109.644	1109.597	1109.573	1109.562	1109.562	1109.585
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1176.592	1176.791	1177.013	1177.247	1177.481	1177.738	1178.018	1178.299	1178.591	1178.896
5.0	1168.675	1169.073	1169.505	1169.739	1169.996	1170.300	1170.628	1170.990	1171.388	1171.809
7.5	1159.904	1160.138	1160.419	1160.758	1161.144	1161.588	1162.080	1162.676	1162.723	1162.992
10.0	1150.608	1150.912	1151.286	1151.192	1151.157	1151.204	1151.321	1151.508	1151.777	1152.116
12.5	1133.511	1134.482	1135.663	1137.054	1138.645	1140.399	1139.498	1138.960	1138.551	1138.282
15.0	1110.322	1111.480	1112.895	1113.631	1114.520	1115.654	1117.046	1118.999	1119.993	1121.653
17.5	1087.179	1087.671	1088.127	1088.863	1089.904	1090.571	1091.483	1092.734	1094.313	1095.529
20.0	1062.704	1062.914	1063.452	1063.558	1063.827	1064.470	1065.066	1065.054	1065.429	1066.224
22.5	1035.480	1037.328	1037.585	1037.457	1037.375	1036.439	1035.960	1035.901	1035.667	1035.843
25.0	1000.036	1001.053	1002.667	1003.743	1004.819	1006.397	1006.467	1005.684	1005.357	1004.725
27.5	963.819	964.942	965.445	966.228	967.152	968.029	969.573	971.000	972.777	972.707
30.0	927.755	928.012	928.504	928.773	929.030	929.778	930.468	931.766	932.819	934.234
32.5	891.340	891.562	891.434	890.989	890.989	891.176	891.714	891.784	892.533	892.860
35.0	849.651	850.657	851.089	852.072	853.089	852.832	852.212	851.931	851.311	851.534
37.5	807.997	807.985	808.523	809.248	810.266	810.991	811.903	811.645	810.605	809.763
40.0	765.782	765.899	766.074	766.705	766.857	767.173	767.360	767.805	768.518	768.799
42.5	723.999	723.929	724.081	723.917	723.940	723.426	723.309	723.473	723.952	725.086
45.0	679.550	680.111	680.883	681.713	680.930	680.357	680.100	679.971	680.334	680.380
47.5	634.785	635.604	636.154	636.458	636.692	637.112	637.662	637.370	637.148	637.183
50.0	590.477	591.272	592.278	591.868	592.266	592.968	593.225	594.032	595.342	595.330
52.5	546.659	547.536	547.993	548.121	549.033	549.127	549.443	550.308	551.372	552.506
55.0	503.041	504.093	504.327	505.251	506.233	506.058	506.537	507.332	508.291	508.993
57.5	459.586	460.556	460.896	462.147	462.696	463.269	464.380	465.351	465.959	466.158
60.0	416.447	417.277	418.014	419.253	419.721	420.645	421.791	423.077	424.270	424.422
62.5	373.658	374.489	375.494	376.558	377.471	378.698	379.938	381.259	381.727	382.487
65.0	331.899	332.648	333.747	334.729	335.898	337.255	338.705	340.097	339.945	341.208
67.5	290.058	291.204	292.642	293.718	295.063	296.513	298.139	298.945	299.308	300.606
70.0	248.544	250.029	251.620	253.035	254.602	256.321	258.016	258.519	259.572	260.624
72.5	208.656	209.825	210.890	212.644	214.480	216.444	218.116	218.982	220.479	221.519
75.0	172.136	173.609	174.860	176.065	177.386	178.579	179.363	180.181	181.795	183.292
77.5	135.732	137.557	138.913	140.503	141.977	143.099	143.251	143.462	144.257	145.731
80.0	99.434	101.621	103.094	105.141	106.708	107.772	107.070	106.801	107.035	108.380

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CANDELA TABULATION - (Cont.)

82.5	73.707	74.783	74.994	75.964	76.058	75.567	72.257	70.176	69.895	71.146
85.0	54.132	55.161	55.476	56.505	56.728	56.622	54.424	52.833	51.068	50.167
87.5	34.567	35.526	35.994	37.047	37.468	37.783	36.953	36.520	35.959	35.725
90.0	14.980	15.880	16.524	17.576	18.219	18.979	19.646	20.348	21.014	21.400
92.5	31.784	31.971	32.088	32.463	32.463	32.509	32.112	31.305	30.580	29.598
95.0	48.612	48.097	47.676	47.372	46.764	46.098	44.694	42.438	40.333	38.005
97.5	65.521	64.317	63.346	62.399	61.183	59.838	57.523	54.658	53.687	52.974
100.0	88.500	88.009	87.962	88.009	87.892	87.658	86.816	85.659	84.746	83.940
102.5	121.816	120.998	120.612	120.284	119.723	118.951	117.782	116.741	116.075	115.268
105.0	155.331	154.162	153.449	152.817	151.882	150.642	149.134	148.163	148.034	147.567
107.5	189.080	187.513	186.508	186.192	185.479	184.414	183.105	181.865	181.514	180.988
110.0	225.647	224.151	223.203	222.537	221.414	220.011	218.245	216.737	215.684	214.936
112.5	263.606	261.712	260.344	259.303	257.794	256.087	254.087	252.263	250.883	249.807
115.0	301.986	299.670	297.846	296.443	294.782	292.900	290.912	288.713	287.216	285.977
117.5	340.471	338.027	335.887	334.191	332.718	330.870	328.718	326.263	324.403	323.129
120.0	379.681	376.944	374.418	372.477	371.156	369.355	367.250	364.888	362.572	360.760
122.5	419.323	416.470	413.500	411.313	409.816	408.425	406.752	403.724	400.356	397.619
125.0	459.434	456.499	453.306	450.757	448.792	447.097	444.711	441.764	438.525	435.824
127.5	499.883	496.668	493.417	490.306	487.710	485.488	483.290	481.138	477.840	475.104
130.0	540.567	537.187	534.018	530.685	527.855	525.236	522.886	520.722	518.687	514.606
132.5	581.929	578.549	574.889	571.708	569.346	566.317	563.662	560.423	557.535	554.588
135.0	623.851	620.355	616.894	613.432	610.041	606.650	603.305	600.253	597.552	595.073
137.5	665.201	661.880	657.904	653.624	649.777	646.433	643.451	641.124	638.773	636.762
140.0	704.575	702.049	698.284	694.659	690.765	687.408	684.380	682.111	680.825	678.310
142.5	744.522	741.926	739.587	736.032	732.804	729.577	726.782	723.157	719.275	716.035
145.0	784.691	782.504	780.411	778.236	774.961	770.705	766.319	762.273	758.379	755.245
147.5	825.725	822.264	819.165	816.358	813.329	809.541	806.138	802.372	799.133	796.116
150.0	861.228	858.211	855.545	853.147	851.043	849.101	846.061	843.605	840.892	838.413
152.5	896.532	894.416	892.065	890.136	888.569	887.165	886.358	884.604	882.932	879.307
155.0	932.164	930.176	928.749	927.252	926.024	925.370	923.311	920.353	917.768	914.015
157.5	967.117	966.275	963.855	961.106	958.581	955.786	953.412	951.482	949.179	947.226
160.0	994.575	992.505	990.774	988.552	986.494	984.810	983.290	981.583	980.285	979.396
162.5	1019.518	1017.998	1016.454	1015.226	1014.302	1012.934	1011.823	1011.075	1010.666	1010.221
165.0	1043.315	1042.684	1042.286	1041.327	1040.520	1039.994	1039.749	1040.263	1039.363	1039.351
167.5	1067.335	1066.773	1066.423	1066.294	1066.388	1066.925	1064.388	1062.493	1060.751	1059.149
170.0	1084.466	1083.929	1083.461	1082.174	1080.923	1079.777	1078.736	1077.789	1076.936	1076.199
172.5	1093.646	1093.225	1092.863	1092.535	1092.266	1092.044	1091.880	1091.939	1090.992	1090.430
175.0	1102.253	1102.347	1102.464	1102.241	1102.054	1101.902	1101.785	1101.715	1101.668	1101.657
177.5	1109.620	1109.655	1109.714	1109.796	1109.878	1109.971	1110.088	1110.217	1110.357	1110.509
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1179.211	1179.539	1179.878	1180.217	1180.579	1180.930	1181.304	1181.679	1182.053	1182.439
5.0	1172.265	1172.756	1173.271	1173.809	1174.382	1174.978	1175.598	1176.241	1176.896	1177.586
7.5	1163.307	1163.693	1164.126	1164.617	1165.167	1165.775	1166.430	1167.143	1167.915	1168.733
10.0	1152.280	1152.292	1152.409	1152.631	1152.958	1153.403	1153.952	1154.607	1155.367	1156.233
12.5	1138.154	1138.154	1138.037	1137.931	1137.978	1138.165	1138.504	1138.996	1139.639	1140.434
15.0	1122.378	1121.864	1121.536	1121.127	1120.390	1119.899	1119.642	1119.642	1119.888	1120.390
17.5	1096.617	1098.067	1099.891	1100.043	1099.903	1098.020	1097.295	1096.862	1096.757	1096.967
20.0	1067.230	1068.259	1069.709	1071.580	1073.872	1074.035	1072.644	1071.626	1070.983	1070.738
22.5	1036.486	1037.363	1038.193	1039.538	1041.386	1043.736	1045.607	1043.970	1042.637	1041.830
25.0	1004.491	1004.772	1005.263	1005.789	1006.877	1008.561	1011.063	1012.782	1011.110	1009.660
27.5	971.491	970.719	970.544	970.263	970.158	970.696	971.888	973.678	976.110	974.683

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CANDELA TABULATION - (Cont.)

30.0	936.549	935.438	933.813	932.795	932.187	932.257	933.041	934.725	936.222	938.175
32.5	893.644	895.000	896.860	895.491	894.228	893.024	892.673	893.223	894.661	896.977
35.0	851.464	852.387	853.522	854.843	854.504	853.019	852.376	852.539	853.487	855.089
37.5	809.541	809.424	809.856	810.862	812.850	814.043	812.148	811.260	811.423	812.277
40.0	768.003	767.232	766.986	767.536	768.530	770.342	771.219	769.243	768.319	768.401
42.5	725.776	725.297	724.478	724.326	724.443	725.203	726.735	727.051	725.168	724.584
45.0	680.871	681.807	682.836	681.596	680.930	680.614	681.199	683.479	683.970	682.871
47.5	637.452	637.756	638.305	639.030	638.001	637.674	638.481	639.884	641.556	640.165
50.0	594.967	594.698	594.172	594.441	596.148	596.792	596.429	597.142	597.657	599.949
52.5	553.091	552.144	551.454	551.887	553.103	555.430	555.442	554.483	554.997	556.611
55.0	509.192	509.788	510.396	510.116	510.700	511.402	512.829	513.320	512.747	513.191
57.5	466.193	467.058	467.865	468.953	468.929	469.187	470.227	471.677	471.444	470.941
60.0	424.925	425.486	426.001	426.866	428.047	428.644	428.293	428.737	430.199	429.766
62.5	384.125	385.271	385.610	385.586	385.960	387.118	387.481	387.305	387.867	389.667
65.0	342.424	343.909	345.277	344.634	345.160	345.452	346.025	347.651	347.242	347.791
67.5	301.892	303.167	303.413	304.325	305.588	305.541	306.079	306.944	307.821	307.646
70.0	261.817	263.033	263.466	265.138	265.290	266.284	267.243	267.231	268.342	269.313
72.5	223.215	223.905	225.145	226.454	226.688	227.390	227.378	229.471	228.840	228.594
75.0	185.268	185.806	186.589	186.391	187.724	188.472	187.455	187.502	187.619	187.689
77.5	147.415	147.882	147.543	146.339	146.783	146.970	147.111	145.123	146.269	146.385
80.0	109.503	110.298	109.830	108.392	107.140	107.234	108.251	108.520	109.222	108.684
82.5	71.941	73.473	73.766	73.859	73.754	74.187	74.666	75.228	76.186	77.215
85.0	48.495	47.723	45.805	44.063	41.783	43.584	45.256	47.314	48.881	50.846
87.5	35.187	35.024	34.205	33.433	32.369	32.042	31.422	31.293	30.825	32.568
90.0	22.078	22.441	22.885	23.037	23.306	23.634	24.125	24.639	25.095	26.393
92.5	28.826	27.902	27.060	26.265	25.388	24.043	22.768	21.564	20.804	21.798
95.0	35.795	33.597	31.480	29.703	27.762	27.843	28.183	28.756	29.469	30.697
97.5	52.588	52.553	52.541	52.541	52.015	51.033	49.723	48.624	48.472	49.068
100.0	83.144	82.536	81.683	80.221	78.057	76.724	76.549	75.859	74.947	74.421
102.5	114.274	113.186	112.251	110.918	110.146	109.736	108.930	107.316	106.018	105.702
105.0	146.736	145.789	144.514	143.462	143.251	143.532	141.930	140.585	140.234	139.486
107.5	180.053	178.977	177.690	176.521	175.702	175.001	174.299	174.182	173.247	171.995
110.0	214.152	213.006	211.498	209.545	208.715	208.025	207.288	206.715	206.645	206.083
112.5	249.562	247.924	246.241	244.381	243.071	242.311	240.990	240.896	241.294	239.973
115.0	285.123	284.071	282.632	280.212	277.931	276.657	276.107	276.013	274.973	275.230
117.5	322.275	321.094	318.814	316.475	314.335	313.189	312.008	310.464	309.797	310.850
120.0	358.725	356.983	355.591	353.907	352.387	349.803	347.323	345.955	345.967	344.342
122.5	395.409	393.877	392.883	392.369	389.188	386.253	384.125	383.306	381.248	379.424
125.0	433.614	431.953	430.304	427.930	425.907	423.755	422.387	420.364	417.780	416.435
127.5	473.233	469.760	466.906	464.720	463.188	462.346	460.369	457.914	456.358	455.680
130.0	511.121	507.987	505.368	503.403	502.175	499.907	497.673	497.159	495.931	495.954
132.5	551.115	548.168	545.513	543.806	540.567	537.585	535.609	534.884	535.492	532.732
135.0	592.781	590.231	587.834	582.689	578.607	576.210	574.865	574.585	572.573	569.346
137.5	634.937	631.558	626.787	622.612	618.998	616.239	614.730	613.304	609.643	606.755
140.0	674.112	670.183	666.581	663.401	660.559	658.524	656.267	652.081	648.771	646.678
142.5	712.843	709.674	707.183	704.762	702.961	700.658	696.471	693.162	690.800	689.350
145.0	752.310	749.925	747.913	746.557	743.902	739.809	736.640	734.582	733.494	732.816
147.5	793.637	791.707	790.807	785.498	781.463	778.294	775.909	774.342	773.640	773.967
150.0	836.776	832.554	827.748	823.468	819.901	817.153	815.247	814.370	813.891	813.926
152.5	874.372	869.893	866.034	862.526	859.439	856.936	855.077	854.095	854.703	851.101
155.0	910.448	907.361	904.472	901.701	899.561	898.064	897.526	896.520	892.673	889.177
157.5	945.670	944.092	941.917	940.221	939.040	938.373	937.672	933.579	930.094	927.229
160.0	978.647	977.712	977.174	977.045	977.314	975.256	971.432	968.158	965.445	963.282
162.5	1009.847	1009.859	1010.245	1008.900	1007.356	1003.427	1000.948	998.843	997.112	995.756
165.0	1038.404	1036.194	1034.159	1032.183	1030.113	1028.312	1026.780	1025.505	1024.523	1023.810
167.5	1057.711	1056.424	1054.951	1053.489	1052.191	1051.080	1050.145	1049.396	1048.847	1048.484

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CANDELA TABULATION - (Cont.)

170.0	1075.298	1074.281	1073.404	1072.644	1072.024	1071.545	1071.205	1070.995	1070.936	1071.007
172.5	1089.963	1089.565	1089.261	1089.027	1088.887	1088.817	1088.840	1088.945	1089.132	1089.413
175.0	1101.692	1101.762	1101.867	1102.007	1102.183	1102.393	1102.639	1102.931	1103.247	1103.598
177.5	1110.673	1110.848	1111.035	1111.234	1111.445	1111.667	1111.889	1112.134	1112.380	1112.637
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

Vert. Horizontal Angles
Angles

	<u>75.0</u>	<u>77.5</u>	<u>80.0</u>	<u>82.5</u>	<u>85.0</u>	<u>87.5</u>	<u>90.0</u>	<u>92.5</u>	<u>95.0</u>	<u>97.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1182.825	1183.222	1183.620	1184.006	1184.403	1184.801	1185.199	1184.976	1184.743	1184.520
5.0	1178.287	1179.012	1179.749	1180.509	1181.281	1182.053	1182.848	1182.392	1181.948	1181.503
7.5	1169.599	1170.523	1171.493	1172.499	1173.563	1174.662	1175.808	1175.130	1174.499	1173.914
10.0	1157.191	1158.256	1159.425	1160.676	1162.033	1163.471	1164.991	1164.149	1163.389	1162.723
12.5	1141.381	1142.480	1143.732	1145.123	1146.667	1148.362	1150.198	1149.099	1148.140	1147.345
15.0	1121.139	1122.121	1123.361	1124.846	1126.565	1128.518	1130.705	1129.523	1128.576	1127.851
17.5	1097.494	1098.336	1099.517	1101.002	1102.826	1104.966	1107.433	1106.065	1105.025	1104.299
20.0	1070.878	1071.428	1072.375	1073.755	1075.544	1077.766	1080.409	1078.982	1077.988	1077.415
22.5	1041.549	1041.795	1042.590	1043.923	1045.794	1048.203	1051.139	1049.536	1048.472	1047.934
25.0	1008.982	1009.052	1009.859	1011.402	1013.648	1016.571	1020.161	1018.278	1017.027	1016.431
27.5	973.525	973.081	973.362	974.403	976.238	978.881	982.366	980.355	979.209	978.916
30.0	936.175	935.064	934.877	935.625	937.321	939.975	943.601	941.566	940.502	940.396
32.5	897.737	896.123	895.480	895.842	897.246	899.725	903.303	901.023	899.877	899.865
35.0	857.778	856.375	854.995	854.726	855.615	857.708	861.053	859.182	858.538	859.088
37.5	814.183	815.271	813.236	812.558	813.283	815.411	818.954	817.048	816.534	817.411
40.0	769.641	772.213	770.623	769.547	769.991	771.968	775.523	773.745	773.535	774.856
42.5	725.507	727.612	728.209	726.689	726.770	728.513	731.963	729.472	728.817	730.033
45.0	682.590	683.947	686.613	684.578	684.228	685.631	688.870	685.608	684.309	685.058
47.5	639.580	640.352	642.410	641.276	640.211	641.159	644.187	638.621	635.499	635.148
50.0	598.136	597.587	598.943	599.446	597.657	597.856	600.206	592.512	587.401	585.133
52.5	557.055	555.500	556.319	558.365	555.465	554.728	556.342	548.402	542.917	539.853
55.0	515.121	513.799	513.776	515.752	512.560	510.244	510.502	504.351	500.632	497.147
57.5	472.192	473.128	471.818	472.426	469.000	463.176	460.100	453.353	450.172	443.483
60.0	430.234	432.503	430.187	429.369	427.287	420.084	415.944	404.788	397.912	383.201
62.5	388.673	388.872	389.644	388.650	388.767	378.313	370.770	351.814	338.588	319.644
65.0	348.774	348.586	350.867	348.247	347.370	334.109	322.287	301.354	284.363	264.319
67.5	308.616	309.493	309.762	307.856	302.535	286.807	268.681	251.608	236.675	219.789
70.0	269.149	270.576	269.757	270.026	258.847	243.352	225.647	209.451	195.068	181.351
72.5	230.536	230.196	232.418	230.383	219.286	201.792	189.057	166.499	156.618	150.642
75.0	187.712	188.765	189.595	189.794	183.982	161.693	155.168	131.101	124.436	120.144
77.5	145.731	145.836	146.806	148.818	144.257	128.447	121.454	99.902	92.593	89.249
80.0	109.409	109.783	109.795	109.795	106.965	95.786	93.026	69.205	64.808	63.826
82.5	77.952	78.724	79.098	79.706	79.262	62.750	52.307	44.507	44.940	48.963
85.0	50.951	51.325	52.798	53.605	53.734	45.595	20.219	27.294	35.140	39.268
87.5	35.316	36.591	36.415	37.608	37.608	37.105	15.027	29.796	33.924	34.673
90.0	27.469	28.604	29.679	30.042	31.188	31.726	23.458	31.539	30.556	29.153
92.5	24.721	27.422	25.458	25.224	24.978	22.289	6.525	18.231	18.862	18.629
95.0	30.323	29.598	30.673	30.697	30.135	29.609	10.162	13.179	16.582	18.137
97.5	49.033	49.162	49.115	49.103	48.764	48.717	48.448	24.592	24.534	26.861
100.0	74.654	74.865	74.573	74.058	74.736	77.730	79.800	45.478	41.362	39.923
102.5	105.281	105.269	105.340	106.088	108.088	109.058	108.520	77.543	65.674	61.990
105.0	138.609	138.960	138.469	138.831	139.673	139.147	138.738	119.185	98.931	89.225
107.5	172.276	170.884	171.036	170.604	169.809	169.025	169.388	161.974	141.228	122.424
110.0	204.271	204.107	202.751	203.464	201.429	200.459	200.517	199.745	186.040	163.085
112.5	239.388	238.055	236.850	236.242	235.248	233.670	234.067	233.985	228.466	210.410
115.0	274.914	272.856	272.879	270.962	271.511	269.769	270.576	268.974	268.447	255.911

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CANDELA TABULATION - (Cont.)

117.5	308.780	307.809	307.494	306.780	307.540	305.681	306.851	304.757	305.517	298.980
120.0	343.429	344.026	342.517	342.821	343.418	342.143	343.464	340.670	340.471	338.448
122.5	379.038	378.757	377.564	378.371	377.552	376.219	377.225	374.816	374.781	374.652
125.0	416.306	413.921	413.091	414.225	412.284	411.407	412.728	410.296	410.109	411.161
127.5	454.055	451.155	450.383	450.874	448.336	447.915	449.646	447.085	446.664	448.313
130.0	492.025	489.639	489.172	488.435	486.283	486.014	487.710	485.149	484.646	486.213
132.5	529.773	528.136	528.054	526.055	524.394	524.511	526.429	524.254	523.938	525.528
135.0	567.405	566.668	566.925	563.885	562.481	562.739	564.656	562.879	562.774	564.341
137.5	605.352	605.281	604.299	601.703	600.428	600.580	602.253	600.779	600.826	602.288
140.0	645.731	645.754	642.714	640.363	639.510	640.165	642.351	640.328	639.779	640.667
142.5	688.940	687.911	684.368	682.216	681.456	682.123	684.228	681.901	680.977	681.409
145.0	733.179	729.951	726.934	725.122	724.549	725.250	727.273	724.701	723.438	723.461
147.5	773.196	770.471	768.658	767.805	767.957	769.149	771.430	768.612	766.904	766.296
150.0	810.792	808.547	807.225	806.839	807.401	808.932	811.435	808.734	807.003	806.255
152.5	848.493	846.704	845.733	845.605	846.306	847.873	850.294	847.745	846.061	845.231
155.0	886.534	884.745	883.797	883.692	884.406	885.914	888.206	885.797	884.160	883.295
157.5	924.995	923.405	922.469	922.201	922.610	923.709	925.487	923.440	922.072	921.382
160.0	961.691	960.662	960.183	960.276	960.919	962.112	963.843	961.761	960.229	959.224
162.5	994.785	994.224	994.048	994.271	994.902	995.943	997.381	995.569	994.165	993.171
165.0	1023.377	1023.225	1023.377	1023.810	1024.535	1025.552	1026.862	1025.225	1023.892	1022.851
167.5	1048.332	1048.390	1048.659	1049.139	1049.841	1050.764	1051.910	1050.554	1049.431	1048.531
170.0	1071.229	1071.591	1072.106	1072.749	1073.544	1074.468	1075.544	1074.339	1073.287	1072.363
172.5	1089.764	1090.208	1090.723	1091.331	1092.021	1092.781	1093.623	1092.687	1091.822	1091.038
175.0	1103.984	1104.416	1104.861	1105.352	1105.866	1106.416	1107.001	1106.369	1105.761	1105.188
177.5	1112.906	1113.175	1113.456	1113.748	1114.041	1114.345	1114.649	1114.321	1114.005	1113.690
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1184.286	1184.064	1183.830	1183.608	1183.386	1183.164	1182.942	1182.719	1182.497	1182.287
5.0	1181.082	1180.673	1180.275	1179.889	1179.515	1179.164	1178.837	1178.521	1178.217	1177.937
7.5	1173.364	1172.861	1172.405	1171.996	1171.634	1171.329	1171.061	1170.850	1170.686	1170.581
10.0	1162.126	1161.623	1161.202	1160.875	1160.618	1160.454	1160.361	1160.361	1160.442	1160.606
12.5	1146.690	1146.199	1145.872	1145.696	1145.696	1145.860	1146.176	1146.679	1147.333	1148.164
15.0	1127.337	1127.056	1126.974	1127.114	1127.454	1127.992	1128.728	1129.652	1130.775	1132.073
17.5	1103.914	1103.855	1104.112	1104.709	1105.644	1106.884	1108.463	1110.345	1113.444	1114.356
20.0	1077.263	1077.520	1078.175	1079.239	1080.689	1082.514	1084.712	1087.273	1088.267	1087.063
22.5	1047.934	1048.484	1049.560	1051.162	1053.290	1055.945	1059.114	1058.050	1056.728	1055.956
25.0	1016.489	1017.214	1018.606	1020.664	1023.377	1026.137	1025.084	1023.658	1023.073	1023.073
27.5	979.501	980.939	983.220	986.342	990.482	988.938	988.190	987.640	987.804	988.658
30.0	941.227	942.992	945.647	949.190	948.594	948.418	948.524	949.424	950.909	952.874
32.5	900.999	903.280	906.683	907.852	907.478	907.758	908.612	910.366	912.986	915.804
35.0	860.772	863.520	866.256	864.970	864.970	866.116	868.104	870.864	874.279	875.834
37.5	819.656	823.246	823.281	822.486	822.989	824.427	827.222	831.338	831.794	831.233
40.0	777.663	780.645	778.130	777.838	779.136	781.452	785.182	785.147	784.574	785.860
42.5	733.179	732.419	729.507	729.214	730.735	734.711	736.371	735.003	735.097	737.084
45.0	687.888	682.321	677.936	675.586	677.422	680.836	682.754	683.666	684.426	686.707
47.5	635.709	632.505	629.628	627.243	626.974	628.623	632.189	635.405	637.288	638.691
50.0	584.104	583.741	584.700	585.285	581.847	583.764	586.875	592.126	592.956	593.880
52.5	536.743	536.532	540.146	536.462	531.995	533.586	539.117	541.280	537.246	540.310
55.0	488.657	486.728	488.961	474.800	469.526	471.327	476.145	474.028	471.163	475.747
57.5	431.953	426.398	416.716	404.308	394.439	397.923	404.952	407.068	406.554	405.606
60.0	368.151	359.134	348.025	336.507	328.543	331.981	338.074	344.610	347.744	353.872
62.5	302.992	293.367	287.731	278.095	279.919	281.650	284.457	290.081	297.507	303.904

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CANDELA TABULATION - (Cont.)

65.0	247.398	243.855	240.452	239.610	240.698	241.002	244.276	248.930	253.234	256.391
67.5	210.176	208.305	207.066	208.142	209.884	210.925	213.614	215.544	217.742	222.104
70.0	179.865	179.000	179.374	180.859	181.315	183.549	186.882	188.355	190.180	193.232
72.5	152.022	149.508	149.987	151.168	152.630	156.092	157.974	160.687	163.915	167.189
75.0	118.589	118.308	118.986	120.729	122.471	125.395	128.540	132.622	135.475	138.457
77.5	88.605	89.541	90.570	93.260	95.025	97.212	99.820	104.264	106.182	109.187
80.0	66.504	68.433	70.164	71.111	71.848	73.824	75.192	77.379	79.379	82.571
82.5	52.763	54.459	54.693	54.985	54.623	54.050	54.471	55.956	57.733	59.908
85.0	40.917	40.929	41.280	40.765	39.011	38.041	36.906	36.766	37.058	40.075
87.5	32.965	33.573	32.065	29.071	27.189	27.001	26.417	26.896	27.528	29.188
90.0	27.574	25.575	24.136	22.464	21.073	19.693	18.816	18.593	18.593	18.535
92.5	17.775	17.997	16.687	15.588	15.635	16.173	16.746	17.331	18.102	18.710
95.0	18.114	17.143	17.120	17.670	17.681	18.067	18.313	18.102	17.751	19.073
97.5	29.609	30.135	29.983	28.405	26.604	26.885	29.036	31.012	32.322	33.211
100.0	42.543	44.484	45.127	45.700	45.010	44.519	45.291	46.402	48.366	50.927
102.5	61.031	61.639	61.826	63.066	64.364	65.019	66.586	68.223	70.421	72.433
105.0	85.273	84.150	84.244	84.337	85.857	88.220	90.254	91.903	94.499	97.399
107.5	114.426	112.017	110.941	111.245	112.578	114.414	117.232	119.828	121.980	124.915
110.0	152.537	144.666	142.924	142.445	143.567	145.590	147.836	150.478	153.671	157.951
112.5	198.085	187.198	181.573	180.357	178.965	180.988	183.151	185.268	188.800	194.565
115.0	248.731	236.651	227.694	223.987	222.373	220.841	221.707	225.519	229.939	234.886
117.5	296.876	289.894	278.610	272.552	270.225	268.249	267.185	270.365	275.581	281.346
120.0	337.243	336.916	326.730	322.509	322.474	319.223	318.018	320.123	325.081	329.923
122.5	373.366	374.103	370.700	367.987	369.706	370.618	368.583	369.238	373.120	379.131
125.0	409.594	410.062	411.886	410.202	411.442	414.541	415.570	414.587	416.552	419.464
127.5	447.237	447.494	449.927	450.944	451.447	453.259	455.318	456.136	456.627	458.311
130.0	486.599	486.576	488.178	491.358	491.475	492.551	492.645	494.598	496.293	497.007
132.5	527.353	526.674	527.610	529.738	531.457	530.393	530.697	532.089	534.427	537.105
135.0	567.580	566.352	566.001	566.796	568.855	570.047	569.849	570.784	572.667	575.801
137.5	605.071	605.480	604.428	604.708	606.474	609.257	610.205	611.082	612.976	615.560
140.0	642.901	645.567	644.421	644.410	645.684	648.292	651.976	653.519	654.537	656.349
142.5	683.117	686.075	686.368	686.110	687.022	688.975	691.794	695.395	697.161	698.541
145.0	724.701	727.145	729.834	729.133	729.402	730.360	732.255	735.132	738.792	741.096
147.5	766.776	768.331	770.939	771.617	771.126	771.500	772.599	774.552	777.288	780.551
150.0	806.477	807.646	809.774	812.815	812.359	812.394	812.616	813.797	815.738	818.440
152.5	845.231	846.084	847.745	850.224	853.112	852.422	852.621	853.732	855.591	858.176
155.0	883.224	883.949	885.458	887.762	890.861	894.228	894.591	894.591	895.573	897.222
157.5	921.347	921.955	923.183	925.030	927.475	930.480	933.871	934.327	934.666	935.567
160.0	958.779	958.873	959.516	960.709	962.451	964.720	967.538	970.871	972.625	972.309
162.5	992.587	992.388	992.598	993.206	994.200	995.580	997.334	999.463	1003.041	1004.398
165.0	1022.114	1021.681	1021.553	1021.728	1022.208	1022.991	1024.079	1025.470	1027.142	1029.107
167.5	1047.853	1047.396	1047.163	1047.151	1047.350	1047.747	1048.367	1049.174	1050.191	1051.396
170.0	1071.591	1070.960	1070.469	1070.130	1069.931	1069.872	1069.954	1070.176	1070.551	1071.053
172.5	1090.349	1089.729	1089.203	1088.758	1088.396	1088.127	1087.940	1087.846	1087.834	1087.916
175.0	1104.650	1104.136	1103.668	1103.224	1102.826	1102.464	1102.124	1101.844	1101.586	1101.376
177.5	1113.374	1113.070	1112.778	1112.497	1112.216	1111.947	1111.690	1111.445	1111.199	1110.977
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1182.076	1181.866	1181.667	1181.468	1181.269	1181.082	1180.895	1180.720	1180.544	1180.381
5.0	1177.679	1177.445	1177.223	1177.024	1176.849	1176.697	1176.568	1176.451	1176.370	1176.299
7.5	1170.511	1170.511	1170.546	1170.640	1170.780	1171.131	1170.873	1170.721	1170.593	1170.499
10.0	1160.840	1161.156	1161.553	1161.857	1162.044	1162.302	1162.617	1163.003	1163.459	1163.974

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CANDELA TABULATION - (Cont.)

12.5	1149.146	1150.046	1150.549	1151.157	1151.847	1152.631	1153.496	1154.712	1153.438	1152.409
15.0	1133.336	1134.704	1136.283	1136.575	1135.862	1135.827	1134.189	1133.067	1132.213	1131.605
17.5	1114.742	1113.327	1112.286	1111.608	1111.070	1110.532	1110.263	1110.263	1110.404	1109.737
20.0	1086.244	1085.811	1085.764	1085.367	1085.039	1085.121	1085.624	1085.870	1086.150	1086.723
22.5	1055.723	1056.027	1056.272	1056.693	1057.523	1058.716	1059.336	1060.424	1061.967	1062.856
25.0	1023.658	1024.348	1025.353	1026.932	1028.897	1030.276	1032.054	1032.779	1031.727	1031.224
27.5	989.897	991.277	993.242	995.709	997.241	996.726	996.387	995.627	995.545	995.346
30.0	954.710	957.259	959.306	958.066	957.739	957.844	957.844	958.370	958.569	959.224
32.5	919.371	917.874	917.453	917.581	918.236	918.669	919.780	920.493	921.511	922.586
35.0	875.495	875.506	875.834	877.225	878.021	879.705	881.213	883.096	884.593	884.335
37.5	831.783	832.543	834.039	835.712	838.027	840.401	841.559	841.290	841.337	841.021
40.0	787.427	789.555	792.163	794.666	795.788	796.303	796.899	797.040	797.297	798.034
42.5	740.651	745.902	748.264	749.293	749.550	750.673	752.333	753.561	753.959	754.661
45.0	691.373	695.711	699.266	701.254	703.792	705.277	707.534	710.317	711.486	711.942
47.5	641.837	646.959	651.040	653.917	656.747	660.407	663.073	665.704	668.569	668.429
50.0	597.470	602.159	606.556	609.597	611.082	614.660	618.437	621.068	623.489	625.208
52.5	550.016	559.102	565.990	563.850	565.709	570.258	574.468	577.578	579.987	582.081
55.0	489.020	504.619	507.964	509.519	515.928	523.926	531.492	535.503	537.597	539.058
57.5	421.569	436.771	446.991	450.839	459.258	474.519	487.090	489.394	491.452	494.726
60.0	361.941	376.231	386.101	390.919	401.139	419.218	431.520	437.589	442.103	449.482
62.5	312.066	322.708	333.595	341.851	353.135	367.250	380.394	384.803	391.094	401.350
65.0	265.395	276.294	286.094	295.426	306.511	320.287	331.221	334.425	340.249	352.738
67.5	228.337	235.225	242.756	249.842	261.326	275.382	286.234	292.350	296.922	307.084
70.0	197.336	200.552	204.598	212.059	221.812	233.436	243.726	251.187	255.420	263.665
72.5	169.282	171.984	175.480	181.175	186.706	194.612	202.353	209.381	215.228	221.777
75.0	140.433	144.398	147.859	152.677	155.741	159.319	164.570	171.645	178.579	184.637
77.5	112.075	116.402	120.495	123.968	126.260	128.938	133.393	139.112	144.737	149.274
80.0	85.963	89.178	92.207	94.979	96.990	99.376	102.931	107.515	111.678	114.718
82.5	61.698	63.381	64.680	66.796	67.954	70.293	73.836	78.397	82.045	84.781
85.0	41.771	43.759	45.174	47.875	49.477	51.980	54.459	57.429	59.721	61.510
87.5	29.948	30.814	31.410	32.696	33.328	34.451	35.503	36.778	37.643	38.356
90.0	18.395	18.032	17.915	17.658	17.389	17.097	16.758	16.278	15.682	15.261
92.5	19.471	20.207	21.026	22.020	23.119	24.277	25.329	26.417	27.399	28.136
95.0	20.733	22.546	24.324	26.569	29.036	31.632	34.076	36.696	39.222	41.069
97.5	33.983	34.836	35.702	36.930	38.345	40.029	43.163	47.314	51.266	54.143
100.0	53.290	55.886	58.739	61.569	64.177	66.948	70.024	73.602	76.818	78.642
102.5	75.005	78.151	82.934	87.027	90.699	94.546	99.036	103.983	108.064	110.321
105.0	101.364	106.345	111.596	115.911	119.407	122.997	128.961	135.124	139.790	142.269
107.5	130.096	136.469	143.135	149.098	154.092	159.003	164.722	170.136	173.714	175.270
110.0	163.517	169.890	177.000	184.157	190.437	196.529	202.751	207.989	210.971	211.977
112.5	201.219	208.609	216.760	222.712	228.653	235.307	241.317	245.668	248.030	248.954
115.0	241.902	250.228	257.899	264.308	269.734	275.557	280.270	283.638	285.299	286.328
117.5	287.450	294.502	301.729	306.535	311.107	315.422	318.872	321.527	322.848	324.310
120.0	335.021	339.465	344.166	348.774	352.796	354.960	357.357	359.555	361.146	362.982
122.5	380.675	382.920	385.177	388.311	391.503	394.029	396.555	398.356	400.204	402.122
125.0	423.194	424.364	425.591	427.907	430.339	433.029	435.496	437.636	439.881	442.068
127.5	460.264	462.872	465.585	468.146	470.637	473.396	475.186	477.232	479.501	481.804
130.0	498.609	500.877	504.198	508.128	512.478	514.068	515.776	517.764	519.681	522.254
132.5	538.403	540.719	543.666	547.267	550.729	554.027	557.055	558.786	560.774	563.522
135.0	579.672	581.730	584.244	587.214	590.395	593.143	596.020	598.674	601.914	605.550
137.5	618.636	622.401	626.179	628.845	631.102	633.651	636.048	638.960	642.433	646.199
140.0	659.004	662.488	666.336	670.335	673.200	675.165	677.632	680.649	684.076	687.958
142.5	700.693	702.938	705.885	709.101	712.784	717.041	720.666	723.578	726.981	730.115
145.0	742.195	743.844	745.937	748.884	752.240	756.286	760.601	765.407	769.956	773.114
147.5	784.200	785.264	787.322	790.058	793.251	796.595	800.571	804.208	808.184	811.575
150.0	822.229	826.731	830.952	832.472	834.917	837.746	840.471	843.757	846.236	848.879

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CANDELA TABULATION - (Cont.)

152.5	861.228	864.596	868.619	873.191	876.898	878.874	881.014	882.511	884.546	886.183
155.0	899.514	902.099	905.045	908.542	912.378	915.476	919.078	921.744	922.201	923.218
157.5	937.040	939.052	940.700	942.501	944.782	947.518	949.518	951.880	954.616	957.130
160.0	972.461	973.093	974.169	975.128	976.180	977.607	979.384	980.986	982.717	984.834
162.5	1005.789	1005.626	1005.813	1006.362	1006.947	1007.450	1008.292	1009.485	1010.911	1011.812
165.0	1031.001	1032.954	1035.118	1036.100	1036.217	1037.223	1036.661	1036.872	1037.363	1038.135
167.5	1052.799	1054.179	1055.337	1056.658	1058.143	1059.780	1061.558	1063.908	1063.476	1063.441
170.0	1071.697	1072.480	1073.404	1074.211	1074.901	1075.696	1076.608	1077.625	1078.748	1079.976
172.5	1088.080	1088.337	1088.676	1089.097	1089.612	1090.524	1090.442	1090.594	1090.805	1091.074
175.0	1101.201	1101.060	1100.967	1100.908	1100.885	1100.908	1100.978	1101.072	1101.212	1101.399
177.5	1110.766	1110.556	1110.369	1110.193	1110.030	1109.878	1109.737	1109.620	1109.515	1109.421
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

Vert. Angles **Horizontal Angles**

	150.0	152.5	155.0	157.5	160.0	162.5	165.0	167.5	170.0	172.5
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1180.217	1180.077	1179.925	1179.796	1179.667	1179.550	1179.433	1179.340	1179.246	1179.164
5.0	1176.264	1175.937	1175.633	1175.352	1175.072	1174.814	1174.569	1174.335	1174.136	1173.937
7.5	1170.452	1170.429	1170.452	1170.499	1170.651	1170.265	1169.868	1169.482	1169.131	1168.804
10.0	1164.524	1164.512	1164.547	1164.641	1164.769	1164.945	1165.260	1164.769	1164.243	1163.752
12.5	1151.555	1150.888	1150.421	1149.707	1148.772	1148.000	1147.415	1147.006	1146.141	1145.135
15.0	1131.172	1130.365	1129.781	1129.418	1129.488	1128.483	1127.758	1127.255	1127.033	1125.957
17.5	1109.363	1109.293	1109.246	1108.813	1108.626	1108.696	1108.147	1107.539	1107.176	1106.685
20.0	1087.331	1087.308	1087.612	1088.337	1088.057	1088.115	1088.653	1087.869	1087.425	1087.320
22.5	1063.745	1064.119	1062.833	1061.803	1061.371	1059.921	1059.020	1058.237	1056.927	1056.120
25.0	1030.744	1029.750	1029.318	1028.534	1027.926	1027.552	1026.534	1026.043	1025.014	1024.184
27.5	995.300	995.522	995.054	995.183	994.703	994.563	994.107	993.546	993.054	992.224
30.0	959.855	960.300	960.931	961.060	961.621	961.422	961.750	961.106	961.036	960.229
32.5	924.060	925.288	926.247	925.498	924.855	924.072	923.300	922.294	921.464	920.329
35.0	884.020	884.300	883.844	883.575	882.967	882.932	881.997	881.470	880.593	879.728
37.5	840.962	841.196	841.968	841.442	841.301	841.255	840.857	840.799	839.746	839.161
40.0	798.104	798.642	799.402	799.776	799.718	799.682	799.846	799.425	798.922	798.642
42.5	755.772	756.309	757.210	758.344	757.701	757.619	758.251	757.444	757.058	756.836
45.0	712.714	713.369	714.141	714.585	714.737	714.959	715.182	715.135	715.053	714.527
47.5	669.131	670.323	671.037	671.505	671.832	672.276	672.557	672.849	673.118	672.393
50.0	626.389	627.231	628.248	629.102	628.973	629.523	630.096	630.576	631.078	630.318
52.5	583.437	584.712	585.846	586.910	586.267	586.524	587.238	587.682	588.068	587.600
55.0	540.415	541.760	542.368	543.140	543.233	543.362	544.145	544.496	544.940	544.812
57.5	497.170	498.457	499.053	499.720	500.269	500.421	501.100	501.380	501.871	502.012
60.0	453.447	455.458	456.195	456.616	457.352	457.937	458.066	458.346	458.837	459.188
62.5	409.536	412.962	413.593	413.254	414.026	414.073	413.979	413.710	413.570	413.523
65.0	364.221	367.893	367.987	368.115	369.834	370.010	369.472	368.712	368.010	367.613
67.5	318.814	322.228	322.240	322.906	325.432	326.192	325.163	323.889	322.544	321.760
70.0	272.599	276.680	276.926	277.639	280.866	282.597	281.007	279.206	277.171	275.920
72.5	228.150	232.535	233.576	234.523	237.751	240.031	238.464	236.920	235.330	234.745
75.0	189.875	193.302	194.202	194.506	196.295	197.956	196.436	195.091	193.875	193.863
77.5	152.572	154.525	154.899	154.829	155.285	155.881	154.408	153.203	152.373	152.981
80.0	116.028	116.133	115.654	115.420	114.625	113.829	112.379	111.292	110.836	112.075
82.5	85.740	85.799	85.834	86.255	85.822	85.191	84.267	83.846	83.998	85.425
85.0	61.967	61.814	61.569	61.440	60.680	59.558	58.306	57.885	58.107	59.289
87.5	38.239	37.853	37.362	36.661	35.573	33.924	32.346	31.936	32.252	33.152
90.0	14.536	13.916	13.179	11.869	10.454	8.279	6.385	5.976	6.397	7.016
92.5	28.229	28.054	27.680	27.247	26.545	25.318	24.207	24.277	25.119	25.961
95.0	41.946	42.204	42.215	42.648	42.648	42.356	42.040	42.590	43.852	44.905
97.5	55.734	56.400	56.845	58.107	58.809	59.452	59.897	60.949	62.598	63.861

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CANDELA TABULATION - (Cont.)

100.0	79.087	78.736	78.385	79.063	79.344	79.800	80.081	80.876	82.337	82.197
102.5	111.105	111.315	111.701	112.800	113.712	114.566	114.952	115.852	117.408	118.589
105.0	143.368	144.129	145.181	146.736	148.221	149.367	149.870	150.876	152.513	153.835
107.5	175.878	177.246	178.883	180.894	182.894	184.239	184.824	185.946	187.654	189.092
110.0	212.854	213.638	215.263	217.310	219.286	220.420	220.841	221.788	223.309	224.677
112.5	250.181	250.766	253.070	255.526	257.806	259.151	259.946	261.162	262.881	264.471
115.0	287.474	288.292	291.414	294.046	296.572	298.103	299.156	300.629	302.524	304.290
117.5	325.269	326.684	329.841	332.835	335.629	337.290	338.483	340.190	342.260	344.131
120.0	364.104	366.595	369.729	372.735	375.518	377.576	378.406	380.230	382.300	384.125
122.5	403.794	406.986	410.144	413.313	416.037	417.885	419.405	421.545	423.650	425.451
125.0	444.524	447.787	451.049	454.370	456.838	458.732	460.627	463.024	465.059	466.836
127.5	485.032	488.575	492.247	495.919	497.942	499.883	502.035	504.608	506.561	508.280
130.0	525.856	529.224	532.931	536.474	539.012	541.116	543.537	546.086	548.145	549.805
132.5	566.867	570.585	574.199	577.380	580.186	582.537	585.086	587.565	589.810	591.459
135.0	608.848	612.310	616.005	619.034	621.676	624.249	626.915	629.266	631.464	633.183
137.5	650.257	654.022	657.764	661.459	663.646	666.172	669.411	671.189	673.188	675.153
140.0	691.408	695.103	698.307	701.371	704.248	706.996	709.978	712.621	714.562	716.421
142.5	733.494	736.161	739.236	741.528	744.183	746.861	749.468	752.673	753.865	755.573
145.0	775.371	777.733	779.814	782.223	784.340	786.994	789.298	791.754	793.321	794.771
147.5	814.815	817.913	820.989	822.860	824.836	827.023	829.479	831.268	832.952	834.028
150.0	851.405	853.779	856.457	858.901	861.801	864.444	867.613	869.390	871.706	872.782
152.5	887.855	889.948	891.808	894.228	896.287	898.777	900.836	902.672	904.391	905.420
155.0	924.539	925.837	927.662	929.205	930.959	932.982	934.327	936.210	937.110	938.093
157.5	959.879	962.264	963.083	964.182	965.936	966.731	968.111	969.468	969.889	970.824
160.0	987.079	988.798	990.856	993.405	994.984	997.007	999.755	1000.328	1001.451	1003.041
162.5	1013.016	1014.536	1016.103	1017.296	1018.781	1020.570	1021.424	1022.114	1023.085	1023.903
165.0	1039.082	1039.585	1040.357	1041.386	1043.093	1042.964	1043.315	1043.900	1044.941	1044.824
167.5	1063.639	1064.060	1064.704	1064.973	1064.844	1064.926	1065.206	1065.686	1065.768	1065.709
170.0	1081.262	1081.753	1082.326	1082.981	1083.695	1084.478	1085.554	1085.636	1085.858	1085.893
172.5	1091.401	1091.775	1092.208	1092.699	1093.424	1093.377	1093.436	1093.541	1093.693	1093.892
175.0	1101.610	1101.493	1101.399	1101.341	1101.306	1101.306	1101.341	1101.399	1101.493	1101.610
177.5	1109.340	1109.281	1109.223	1109.199	1109.176	1109.176	1109.188	1109.211	1109.246	1109.305
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1179.094	1179.024	1178.977	1178.708	1178.451	1178.206	1177.972	1177.761	1177.551	1177.352
5.0	1173.762	1173.610	1173.481	1172.955	1172.452	1171.973	1171.517	1171.084	1170.675	1170.289
7.5	1168.500	1168.231	1167.985	1167.213	1166.476	1165.763	1165.097	1164.453	1163.857	1163.296
10.0	1163.296	1162.875	1162.489	1161.483	1160.513	1159.589	1158.712	1157.870	1156.934	1155.320
12.5	1144.305	1143.650	1143.182	1141.978	1140.972	1140.130	1139.487	1138.645	1137.312	1136.154
15.0	1125.045	1124.343	1123.864	1122.437	1121.221	1120.227	1119.303	1117.525	1115.970	1114.637
17.5	1105.726	1105.013	1104.557	1102.896	1101.481	1100.312	1098.511	1096.511	1094.769	1093.062
20.0	1086.361	1085.659	1085.238	1083.356	1081.742	1080.315	1077.824	1075.626	1073.603	1070.925
22.5	1054.998	1053.840	1053.173	1051.220	1049.770	1048.227	1046.262	1044.789	1042.906	1041.187
25.0	1023.307	1021.950	1021.120	1019.015	1017.460	1015.460	1013.437	1011.601	1009.227	1007.415
27.5	991.651	990.072	989.055	986.822	985.173	982.799	980.729	978.215	975.724	973.409
30.0	960.031	958.206	956.990	954.651	952.909	950.243	948.091	944.969	942.057	939.554
32.5	919.581	917.698	916.307	914.190	912.600	910.238	908.238	905.817	903.806	901.970
35.0	878.839	877.097	875.635	873.682	872.022	869.578	867.250	865.017	862.748	860.632
37.5	838.121	836.495	834.952	833.233	831.478	828.976	826.509	824.427	821.936	819.504
40.0	797.437	795.894	794.268	792.818	790.970	788.433	785.977	783.767	781.358	778.610
42.5	755.573	754.216	752.649	751.433	749.632	747.305	745.036	742.721	740.464	737.856
45.0	713.638	712.515	711.030	710.060	708.329	706.154	704.119	701.652	699.266	696.974

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CANDELA TABULATION - (Cont.)

47.5	671.692	670.803	669.400	668.733	667.119	665.120	663.377	660.758	658.407	656.150
50.0	629.734	629.067	627.781	627.418	625.980	624.214	622.624	620.039	617.899	615.479
52.5	587.156	586.653	585.448	585.039	583.577	581.905	580.338	578.385	576.561	574.304
55.0	544.543	544.227	543.116	542.637	541.163	539.491	537.947	536.451	534.661	532.521
57.5	501.918	501.790	500.784	500.246	498.772	497.112	495.767	494.586	492.832	491.148
60.0	459.282	459.340	458.452	457.843	456.417	454.768	453.774	452.827	451.178	450.020
62.5	413.313	413.219	412.366	412.143	410.939	409.653	409.103	408.448	407.431	406.635
65.0	367.215	367.063	366.279	366.431	365.379	364.338	363.952	363.368	362.561	361.672
67.5	321.141	320.907	320.193	320.731	319.831	319.094	318.849	318.428	317.761	317.001
70.0	275.066	274.739	274.107	275.043	274.306	273.897	273.757	273.605	273.020	272.622
72.5	234.219	233.798	233.073	233.623	232.933	232.676	232.465	232.325	231.354	230.851
75.0	193.536	192.904	192.027	192.214	191.700	191.747	191.688	191.852	190.729	190.460
77.5	152.852	151.999	150.993	150.794	150.467	150.841	150.934	151.426	150.128	150.139
80.0	112.181	111.105	109.947	109.362	109.245	109.947	110.193	111.058	109.561	109.900
82.5	85.588	84.723	83.764	83.507	83.483	84.045	84.127	84.700	83.191	83.179
85.0	59.195	58.412	57.581	57.698	57.955	58.645	59.043	59.780	59.055	59.487
87.5	32.802	32.077	31.387	31.901	32.416	33.258	33.959	34.872	35.035	35.830
90.0	6.408	5.753	5.204	6.093	6.888	7.858	8.864	9.952	11.004	12.162
92.5	25.762	25.353	25.247	26.276	27.212	28.241	29.282	30.381	31.433	32.673
95.0	45.104	44.940	45.279	46.460	47.524	48.612	49.711	50.810	51.863	53.184
97.5	64.469	64.539	65.323	66.644	67.849	68.983	70.129	71.205	72.269	73.625
100.0	83.530	84.080	85.355	86.746	87.857	88.641	91.412	93.026	94.675	96.733
102.5	119.536	119.887	121.010	122.892	124.272	125.746	127.207	128.692	130.072	131.745
105.0	155.004	155.565	156.653	158.910	160.173	161.634	163.003	164.371	165.517	166.815
107.5	190.495	191.255	192.308	194.822	196.085	197.523	198.810	200.061	201.008	201.967
110.0	225.016	226.688	227.951	230.524	230.980	233.658	235.049	236.418	237.470	238.441
112.5	265.933	266.880	267.804	270.447	272.084	273.452	274.680	275.838	276.692	277.393
115.0	305.751	306.780	307.657	310.090	312.019	313.282	314.346	315.317	316.019	316.486
117.5	345.581	346.692	347.511	349.732	351.931	353.135	354.048	354.890	355.451	355.731
120.0	383.937	386.218	387.364	389.001	390.299	393.141	393.959	394.766	395.327	395.526
122.5	426.913	428.117	429.029	431.392	433.380	434.374	434.900	435.473	436.011	435.847
125.0	468.345	469.631	470.707	473.350	474.963	475.677	475.946	476.285	476.694	476.355
127.5	509.812	511.156	512.373	515.284	516.618	517.039	517.120	517.179	517.401	517.120
130.0	551.302	552.249	554.038	556.740	558.318	558.470	558.400	558.084	558.073	557.815
132.5	592.874	594.231	595.575	598.370	599.586	599.797	599.622	599.037	598.709	598.499
135.0	634.470	635.768	637.101	639.580	640.855	641.217	640.831	640.176	639.662	639.276
137.5	676.100	677.316	678.638	680.790	682.134	682.707	682.146	681.538	680.965	680.146
140.0	717.649	718.421	720.163	721.578	723.321	723.765	723.063	722.338	721.204	719.941
142.5	756.847	757.876	759.139	760.835	762.215	762.402	761.806	761.233	759.923	758.859
145.0	796.092	796.923	798.127	799.659	801.179	801.133	800.723	799.963	798.876	797.858
147.5	835.384	835.981	837.103	838.495	840.214	839.945	839.840	838.846	838.074	837.185
150.0	873.238	874.664	876.079	876.956	877.845	878.290	878.079	876.407	875.039	873.483
152.5	906.729	907.209	908.261	909.244	910.799	910.483	910.238	909.220	908.039	906.811
155.0	939.016	939.461	940.455	941.250	942.571	942.735	942.443	942.197	940.993	940.303
157.5	971.315	971.725	972.637	973.257	974.379	975.057	974.718	974.859	974.134	973.409
160.0	1002.714	1003.766	1004.819	1005.076	1005.321	1006.713	1005.789	1005.158	1004.667	1002.913
162.5	1024.160	1024.675	1025.447	1025.751	1026.301	1027.096	1026.920	1026.371	1026.090	1025.657
165.0	1045.011	1045.432	1046.087	1046.286	1046.718	1047.373	1048.063	1047.595	1047.361	1047.350
167.5	1065.850	1066.189	1066.715	1066.844	1067.171	1067.686	1068.387	1068.820	1068.633	1068.633
170.0	1086.373	1086.864	1087.343	1087.343	1087.343	1087.355	1087.788	1088.021	1088.138	1087.507
172.5	1094.137	1094.418	1094.745	1094.745	1094.781	1094.862	1094.991	1095.143	1095.342	1095.587
175.0	1101.762	1101.949	1102.159	1102.136	1102.148	1102.183	1102.253	1102.347	1102.464	1102.604
177.5	1109.375	1109.457	1109.562	1109.538	1109.538	1109.550	1109.573	1109.609	1109.667	1109.737
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1177.176	1177.001	1176.849	1176.709	1176.592	1176.475	1176.381	1176.299	1176.241	1176.194
5.0	1169.938	1169.610	1169.306	1169.037	1168.780	1168.231	1167.716	1167.237	1166.804	1166.418
7.5	1162.653	1161.577	1160.548	1159.577	1158.665	1157.811	1157.028	1156.303	1155.648	1154.993
10.0	1153.777	1152.315	1150.912	1149.602	1148.281	1146.877	1145.451	1144.118	1142.878	1141.720
12.5	1135.195	1134.435	1133.640	1132.833	1132.236	1131.862	1131.710	1131.488	1129.044	1126.764
15.0	1113.456	1111.959	1110.708	1109.725	1108.650	1107.609	1106.369	1105.375	1104.639	1104.089
17.5	1091.003	1089.238	1087.764	1085.835	1083.882	1082.198	1080.315	1078.994	1077.450	1076.257
20.0	1068.551	1066.493	1063.745	1061.301	1059.161	1056.436	1053.875	1051.688	1049.572	1047.057
22.5	1039.959	1038.287	1037.106	1036.112	1033.212	1029.879	1026.686	1022.921	1019.623	1016.606
25.0	1005.368	1003.661	1001.942	999.533	997.720	995.639	993.698	991.417	989.195	985.149
27.5	971.152	969.082	965.796	963.165	960.218	957.622	955.318	953.038	951.260	949.564
30.0	937.286	933.403	929.860	926.293	923.054	920.025	917.219	914.658	911.840	909.746
32.5	899.666	896.591	893.807	889.925	886.382	883.084	879.634	875.810	872.758	870.443
35.0	857.696	854.808	851.768	849.253	847.055	844.868	841.570	837.688	834.811	831.783
37.5	816.510	813.353	809.809	807.506	804.945	801.378	798.782	797.461	795.777	791.812
40.0	775.909	772.541	769.301	766.249	762.355	758.941	756.836	754.614	751.527	749.094
42.5	735.085	732.126	728.548	724.747	720.654	717.696	715.240	711.954	708.902	706.411
45.0	693.817	690.624	687.338	683.140	679.690	677.094	673.937	670.639	667.225	663.611
47.5	653.016	649.660	646.058	641.299	639.229	636.235	633.137	629.593	625.910	621.934
50.0	612.520	609.316	605.398	602.030	599.738	595.844	592.453	589.038	584.899	581.800
52.5	571.731	569.135	565.440	562.996	559.944	556.085	553.150	549.092	545.256	541.549
55.0	529.949	527.177	524.394	522.850	519.740	517.214	514.548	509.543	506.748	503.240
57.5	488.435	485.897	483.664	481.734	478.764	476.928	474.075	471.011	468.637	465.339
60.0	447.155	445.249	443.132	441.250	439.215	436.888	434.011	430.281	427.147	424.621
62.5	404.741	404.110	402.613	401.677	399.701	397.245	394.111	389.597	385.902	381.751
65.0	360.339	359.520	358.608	358.398	356.971	356.012	353.475	349.066	344.014	338.799
67.5	316.054	315.270	314.884	314.159	312.347	311.329	308.909	306.090	301.401	298.489
70.0	271.850	271.418	271.231	269.874	267.991	266.845	265.571	263.746	260.425	259.969
72.5	229.834	229.588	228.898	226.618	223.870	223.157	223.157	222.502	221.718	221.905
75.0	189.700	190.168	189.700	188.308	186.636	185.747	185.233	184.754	184.718	184.906
77.5	149.718	150.934	150.771	150.572	149.870	149.917	149.859	150.186	150.584	151.262
80.0	109.889	111.830	112.040	113.268	113.455	114.379	114.870	115.993	116.882	118.355
82.5	82.770	83.998	83.542	84.325	83.869	84.255	83.986	84.477	84.501	85.787
85.0	59.639	60.949	61.031	61.861	61.733	62.575	62.785	63.674	64.130	65.253
87.5	36.579	37.865	38.590	39.397	39.666	40.952	41.689	42.917	43.888	45.244
90.0	13.518	14.758	16.173	16.921	17.635	19.307	20.617	22.148	23.669	25.189
92.5	33.854	35.082	36.439	37.105	37.666	39.210	40.298	41.584	42.788	44.063
95.0	54.178	55.394	56.681	57.277	57.698	59.055	59.955	60.996	61.896	62.902
97.5	74.491	75.660	76.911	77.461	77.753	78.923	79.660	80.443	81.075	82.256
100.0	98.241	100.171	102.206	103.621	104.860	106.813	108.427	109.935	111.409	113.139
102.5	133.019	134.610	136.247	137.311	138.340	139.802	141.018	141.953	142.912	144.234
105.0	167.867	169.119	170.405	171.153	171.913	173.013	173.866	174.322	174.743	175.609
107.5	202.786	203.745	204.715	205.206	205.569	206.995	208.083	208.703	209.299	210.282
110.0	239.364	240.370	241.516	242.241	242.627	243.668	244.545	244.767	245.059	245.679
112.5	278.025	278.610	279.545	280.106	279.943	280.656	281.252	281.299	281.346	281.697
115.0	316.884	317.059	317.843	318.182	317.773	317.983	318.393	318.393	318.018	317.843
117.5	355.989	355.743	356.223	356.457	356.082	355.825	355.942	355.848	355.229	354.679
120.0	395.538	395.093	395.199	395.245	394.860	394.322	394.158	393.772	393.164	392.521
122.5	435.508	434.900	434.561	434.596	433.754	433.380	432.947	432.479	431.906	430.643
125.0	475.805	475.092	474.344	474.320	473.525	472.882	472.134	470.461	469.608	468.134
127.5	516.477	515.670	514.489	513.741	512.759	511.414	510.443	509.274	508.058	506.140
130.0	557.114	555.851	554.272	552.939	552.085	550.437	549.279	548.484	547.349	546.238

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CANDELA TABULATION - (Cont.)

132.5	597.680	596.359	594.815	592.371	591.635	590.266	588.922	588.138	587.284	585.109
135.0	638.411	637.393	636.048	633.850	632.107	630.868	628.646	626.588	624.892	622.951
137.5	679.456	678.907	676.966	674.533	671.879	669.540	667.447	665.201	663.354	661.869
140.0	718.889	717.485	715.766	713.755	711.299	709.264	707.043	705.055	703.172	701.687
142.5	757.654	756.309	754.649	753.047	751.269	749.363	747.773	745.867	744.241	741.704
145.0	796.736	795.777	794.373	793.134	791.333	789.918	788.386	785.463	781.966	778.855
147.5	836.320	835.291	834.273	831.876	829.315	826.707	824.404	821.995	819.784	816.861
150.0	872.174	870.127	868.432	866.256	864.198	862.234	860.538	859.228	857.299	855.860
152.5	905.349	904.192	902.449	901.245	899.362	897.713	896.439	895.585	895.398	894.474
155.0	939.005	937.929	936.993	935.742	935.005	933.778	932.561	931.018	930.363	928.083
157.5	973.140	971.982	971.280	970.824	968.930	966.638	964.428	961.633	959.317	957.318
160.0	1001.462	1000.281	998.165	996.387	994.937	993.031	991.242	989.792	988.400	986.786
162.5	1024.324	1023.260	1022.465	1021.190	1019.916	1018.945	1017.857	1017.062	1016.057	1015.355
165.0	1047.396	1046.426	1045.701	1045.221	1044.672	1044.227	1043.654	1043.362	1043.327	1043.444
167.5	1068.832	1069.229	1069.194	1068.761	1068.528	1068.504	1068.691	1068.785	1067.077	1065.429
170.0	1086.946	1086.431	1085.998	1085.624	1085.262	1084.162	1083.051	1082.034	1081.110	1080.292
172.5	1095.728	1095.342	1095.003	1094.710	1094.477	1094.289	1094.161	1094.079	1094.044	1093.915
175.0	1102.779	1102.978	1103.200	1103.446	1103.715	1103.598	1103.504	1103.446	1103.434	1103.446
177.5	1109.807	1109.901	1110.018	1110.135	1110.263	1110.404	1110.567	1110.731	1110.907	1111.094
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1176.159	1176.136	1176.136	1176.147	1176.171	1176.218	1176.276	1176.358	1176.440	1176.545
5.0	1166.079	1165.775	1165.518	1165.319	1165.155	1165.038	1164.968	1164.956	1164.980	1165.050
7.5	1154.198	1153.484	1152.841	1152.280	1151.789	1151.391	1151.064	1150.818	1150.666	1150.584
10.0	1140.668	1139.709	1138.563	1137.265	1136.119	1135.101	1134.236	1133.511	1132.926	1132.505
12.5	1124.635	1122.671	1120.870	1119.256	1117.572	1115.958	1114.532	1113.304	1112.263	1111.421
15.0	1103.387	1103.013	1101.762	1099.365	1097.166	1095.003	1092.652	1090.571	1088.782	1087.273
17.5	1075.427	1074.410	1073.381	1072.749	1072.515	1070.714	1067.814	1064.879	1062.318	1060.143
20.0	1044.976	1043.315	1041.877	1040.439	1039.468	1038.953	1038.930	1036.954	1033.621	1030.733
22.5	1013.624	1010.946	1008.748	1006.935	1005.286	1004.164	1003.544	1003.462	1003.404	999.802
25.0	981.594	978.168	975.186	972.707	970.590	968.789	967.573	966.965	966.942	967.176
27.5	948.395	944.267	941.507	938.175	935.415	932.702	930.386	928.901	928.235	928.071
30.0	908.144	906.998	906.367	902.543	898.169	893.866	891.808	889.504	887.797	886.733
32.5	868.630	865.754	863.228	861.532	861.602	857.170	853.440	849.838	846.973	844.903
35.0	827.573	824.029	821.726	820.100	818.545	817.340	814.534	810.055	806.430	803.787
37.5	787.556	784.317	781.300	777.920	774.201	773.652	772.517	770.506	766.051	762.613
40.0	747.562	744.522	739.868	736.289	733.459	731.027	728.945	727.671	726.268	722.666
42.5	703.406	700.564	699.126	695.430	692.542	689.162	686.859	685.455	684.766	682.988
45.0	660.103	658.010	656.244	654.291	652.853	649.426	646.596	644.187	642.445	641.860
47.5	619.174	616.625	613.783	611.924	610.918	610.310	607.480	604.287	602.030	600.569
50.0	579.321	575.824	573.322	570.784	569.802	568.586	567.755	565.276	561.441	558.891
52.5	538.883	536.263	534.065	532.054	529.528	527.177	525.540	524.090	522.032	519.155
55.0	499.872	497.474	494.621	492.329	489.569	487.195	485.055	483.547	482.810	480.506
57.5	462.123	458.370	454.546	451.283	449.541	449.237	446.594	444.466	442.782	442.244
60.0	422.995	419.195	414.926	411.535	409.500	408.659	408.495	407.197	404.870	403.572
62.5	379.494	377.272	375.038	372.360	370.747	369.472	368.852	369.028	368.069	365.917
65.0	338.190	335.980	334.109	332.881	332.531	331.127	331.197	330.472	329.853	329.057
67.5	298.010	296.186	295.040	294.280	293.800	293.975	294.724	293.040	292.268	291.169
70.0	259.198	258.051	257.350	256.964	257.011	256.601	257.116	256.952	255.947	253.725
72.5	221.461	220.619	220.151	220.385	220.853	221.426	221.484	220.561	218.865	219.192
75.0	185.116	183.900	183.970	184.122	185.455	186.309	186.180	185.584	184.754	184.812
77.5	151.005	149.859	149.321	149.180	151.122	151.578	152.045	151.367	151.788	152.408

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CANDELA TABULATION - (Cont.)

80.0	118.238	118.086	117.911	118.940	119.770	119.840	119.407	119.279	120.705	121.664
82.5	86.068	86.805	87.132	89.190	90.289	91.272	91.061	91.693	92.523	93.435
85.0	64.796	64.750	64.188	65.311	65.241	65.264	64.130	65.557	66.995	68.901
87.5	45.770	46.390	46.764	48.331	48.904	49.594	49.337	50.179	50.635	51.325
90.0	26.885	28.112	29.504	31.317	32.743	34.053	35.199	36.579	38.111	39.175
92.5	45.513	46.484	47.501	48.858	49.922	50.752	51.571	52.541	53.395	54.085
95.0	64.107	64.867	65.533	66.410	67.135	67.556	68.059	69.813	71.357	72.924
97.5	84.559	86.407	88.009	89.822	91.389	92.733	93.833	94.979	95.879	96.815
100.0	114.800	115.993	116.928	118.180	119.244	119.969	120.565	121.360	122.752	123.676
102.5	145.462	146.070	146.385	146.888	148.713	149.566	150.677	151.028	152.232	152.338
105.0	177.281	178.135	178.696	179.409	181.035	181.549	182.157	182.403	182.859	183.643
107.5	211.229	212.316	212.562	212.971	213.977	214.702	214.784	214.725	214.877	216.058
110.0	246.357	247.001	247.363	247.246	247.597	248.077	248.755	248.731	248.533	248.100
112.5	282.024	282.141	282.398	281.989	282.246	283.077	283.989	283.427	282.469	282.363
115.0	317.913	317.972	318.007	317.855	317.948	318.124	318.007	317.913	318.042	317.855
117.5	354.469	354.574	354.925	354.387	353.369	352.843	352.796	353.475	353.334	351.837
120.0	391.971	391.632	391.036	390.334	389.609	389.153	389.293	388.334	387.165	386.545
122.5	429.076	427.989	427.381	427.158	426.901	426.983	424.796	423.112	422.235	422.387
125.0	466.661	465.491	464.907	464.813	464.252	462.252	460.486	459.294	458.954	457.727
127.5	505.298	504.152	502.468	501.497	499.883	498.656	497.568	496.831	495.358	493.183
130.0	545.268	542.391	539.889	537.269	536.766	536.100	535.831	534.018	531.504	530.264
132.5	582.712	580.373	577.754	575.894	574.854	574.561	572.421	569.966	568.223	567.463
135.0	621.232	619.232	617.513	615.549	614.029	611.000	608.626	606.919	605.878	605.679
137.5	660.348	659.214	657.940	654.373	651.590	648.327	646.281	645.158	644.807	643.696
140.0	700.588	698.775	695.793	692.881	690.273	688.063	686.028	684.754	683.631	680.591
142.5	738.581	735.833	733.506	731.249	728.384	727.975	727.145	725.554	721.613	718.725
145.0	776.049	773.862	771.933	770.611	769.524	768.717	766.378	762.765	759.899	757.865
147.5	814.429	812.476	811.154	810.371	809.962	806.453	803.156	800.209	798.069	796.782
150.0	853.943	852.212	851.007	848.248	844.728	841.044	839.173	837.209	835.934	835.384
152.5	893.597	889.668	886.522	882.792	879.669	877.155	875.237	873.904	873.203	873.086
155.0	926.083	922.984	920.084	917.616	915.348	913.220	911.699	910.799	910.542	910.787
157.5	955.645	954.125	952.909	951.669	950.009	948.793	948.056	947.799	947.389	944.162
160.0	985.605	984.869	984.307	983.629	983.267	983.243	983.571	981.957	978.928	976.320
162.5	1014.957	1014.571	1014.338	1014.490	1015.039	1014.080	1011.987	1009.625	1007.637	1006.011
165.0	1043.116	1043.070	1042.158	1040.146	1038.380	1036.755	1035.153	1033.808	1032.721	1031.890
167.5	1063.920	1062.552	1061.324	1060.248	1058.962	1057.687	1056.623	1055.758	1055.115	1054.670
170.0	1079.567	1078.947	1078.198	1077.357	1076.620	1076.023	1075.544	1075.193	1074.983	1074.889
172.5	1093.377	1092.910	1092.535	1092.220	1091.997	1091.857	1091.787	1091.810	1091.904	1092.079
175.0	1103.493	1103.574	1103.691	1103.855	1104.042	1104.264	1104.522	1104.814	1105.130	1105.492
177.5	1111.304	1111.515	1111.725	1111.959	1112.205	1112.450	1112.707	1112.965	1113.234	1113.514
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1176.674	1176.802	1176.732	1176.966	1177.200	1177.434	1177.668	1177.902	1178.135	1177.738
5.0	1165.167	1165.342	1165.553	1165.810	1165.787	1166.278	1166.757	1167.248	1167.739	1166.979
7.5	1150.596	1150.690	1150.853	1151.122	1151.461	1151.520	1152.233	1152.947	1153.660	1152.479
10.0	1132.225	1132.096	1132.108	1132.283	1132.599	1132.424	1133.382	1134.353	1135.324	1133.827
12.5	1110.790	1110.357	1110.135	1110.123	1110.322	1110.731	1110.930	1112.088	1113.245	1111.339
15.0	1086.069	1085.168	1084.560	1084.256	1084.256	1084.572	1084.583	1085.952	1087.331	1085.227
17.5	1058.342	1056.939	1055.921	1055.302	1055.091	1055.278	1055.068	1056.658	1058.249	1055.711
20.0	1028.312	1026.347	1024.850	1023.845	1023.330	1023.319	1022.792	1024.535	1026.277	1023.646
22.5	996.738	994.224	992.271	990.891	990.084	989.874	989.055	990.938	992.821	989.745
25.0	963.773	960.393	957.622	955.482	954.008	953.213	953.119	953.377	955.143	952.266

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CANDELA TABULATION - (Cont.)

27.5	928.866	924.212	920.610	917.921	916.131	915.254	915.266	915.734	917.921	914.623
30.0	886.054	885.622	881.353	878.009	875.623	874.208	873.799	873.893	876.068	873.097
32.5	843.710	843.512	842.003	838.436	835.969	834.612	834.355	834.659	837.138	833.361
35.0	802.127	801.355	801.694	798.455	795.414	793.555	792.912	792.877	795.367	791.789
37.5	760.239	759.338	759.689	759.362	756.064	753.971	753.129	752.918	755.339	750.942
40.0	720.210	718.690	718.105	718.760	715.451	712.656	711.334	710.761	713.252	709.264
42.5	679.316	676.802	675.434	675.141	673.621	670.557	669.213	668.745	671.645	667.587
45.0	639.802	634.856	633.979	633.265	633.826	630.318	628.284	626.950	629.161	625.325
47.5	600.031	596.745	593.915	592.652	593.096	590.898	588.886	587.892	590.629	586.349
50.0	557.851	557.301	553.851	552.401	552.810	552.471	550.004	548.425	550.869	546.858
52.5	517.144	516.477	515.109	513.448	513.507	514.630	511.425	509.157	511.273	506.935
55.0	477.805	476.951	477.548	475.466	474.589	475.560	472.262	468.649	469.923	466.497
57.5	439.589	438.817	438.607	438.057	435.835	435.637	433.695	430.164	431.918	428.433
60.0	403.420	401.513	400.052	400.005	397.269	396.239	395.620	391.936	394.018	390.018
62.5	364.829	365.215	361.801	360.152	359.906	358.211	358.164	356.386	357.801	354.854
65.0	326.999	325.713	325.514	324.006	324.579	322.310	322.404	320.275	320.579	318.147
67.5	290.877	289.041	289.204	288.643	288.210	287.439	286.000	284.726	285.848	282.936
70.0	253.690	254.040	253.327	254.836	253.619	252.719	249.760	248.486	248.755	246.673
72.5	218.900	218.923	219.719	219.262	217.438	216.456	214.141	212.655	213.451	211.860
75.0	185.338	185.981	185.666	185.467	183.830	182.368	180.965	180.602	179.175	177.819
77.5	152.887	153.145	153.004	151.695	151.484	151.028	150.537	148.935	149.005	146.035
80.0	122.366	121.290	121.489	121.828	121.641	121.524	121.208	119.793	117.992	115.934
82.5	93.950	93.798	93.295	92.909	94.289	94.499	93.868	91.962	89.588	88.641
85.0	69.427	69.462	69.287	69.392	70.152	70.363	69.497	68.492	65.042	64.434
87.5	50.986	50.366	49.699	50.191	51.150	50.670	50.810	51.173	46.367	47.314
90.0	40.286	41.128	41.771	42.414	42.847	43.034	43.373	43.478	42.426	43.654
92.5	54.541	54.880	54.693	55.383	55.909	56.014	55.687	55.558	51.196	53.711
95.0	74.000	74.538	74.923	75.380	75.929	75.496	74.690	72.819	71.146	72.713
97.5	97.774	98.276	98.616	98.814	99.025	98.347	97.586	96.253	97.084	96.780
100.0	124.810	124.529	124.997	125.032	124.822	124.225	123.512	122.085	121.968	122.003
102.5	153.460	154.045	154.408	153.507	153.425	152.946	151.437	150.934	150.549	150.022
105.0	184.145	184.590	184.952	185.198	183.806	182.672	181.187	180.859	179.994	180.778
107.5	215.906	216.093	216.935	216.456	214.655	214.749	213.474	212.480	211.930	213.088
110.0	248.345	249.024	248.603	249.854	248.509	248.193	246.708	246.135	246.615	246.369
112.5	282.574	281.720	282.153	281.837	281.685	280.902	280.258	279.299	279.966	279.405
115.0	316.416	316.451	316.662	314.709	315.259	313.563	313.762	312.183	313.037	311.750
117.5	351.183	351.978	350.270	349.732	348.832	346.750	346.797	344.786	345.558	344.540
120.0	386.814	385.516	384.861	385.750	383.119	381.645	380.885	378.184	380.815	377.751
122.5	420.072	419.663	420.025	420.013	417.908	417.487	416.260	414.049	416.774	413.628
125.0	455.832	454.967	455.212	453.540	452.967	453.926	452.336	451.049	454.113	450.137
127.5	492.048	492.072	490.961	488.938	488.727	489.756	487.324	485.804	488.318	485.020
130.0	529.820	529.808	526.569	525.096	525.248	524.873	522.956	521.880	524.558	520.640
132.5	568.059	565.990	563.604	562.423	562.750	560.949	559.289	558.400	561.172	557.792
135.0	604.217	600.674	600.884	600.791	601.516	598.850	597.867	597.774	600.966	597.189
137.5	640.843	639.089	638.633	639.428	638.960	636.610	635.721	635.581	638.340	635.008
140.0	678.416	677.223	677.153	678.264	675.586	673.317	672.370	672.066	674.557	671.610
142.5	716.912	716.316	716.737	716.351	713.135	711.217	710.586	710.621	713.170	710.130
145.0	756.660	756.321	757.070	754.052	751.094	749.188	748.393	748.147	750.322	747.703
147.5	796.221	796.432	795.321	792.116	789.813	788.491	788.176	788.351	790.748	788.094
150.0	835.291	835.501	832.309	829.947	828.450	827.842	828.146	828.906	831.537	828.684
152.5	873.577	870.536	867.940	866.139	865.145	864.970	865.590	866.619	869.192	866.397
155.0	907.758	904.847	902.555	900.906	899.923	899.619	900.017	900.754	902.952	900.567
157.5	941.297	938.993	937.251	936.081	935.497	935.520	934.900	937.087	939.285	936.818
160.0	974.157	972.450	971.210	970.450	970.181	970.415	970.111	972.192	974.286	971.970
162.5	1004.748	1003.871	1003.380	1003.263	1003.544	1004.211	1004.503	1006.526	1008.549	1006.292
165.0	1031.329	1031.037	1031.013	1031.270	1031.797	1032.604	1033.141	1034.907	1036.673	1034.802

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CANDELA TABULATION - (Cont.)

167.5	1054.436	1054.413	1054.600	1054.998	1055.606	1056.413	1057.032	1058.541	1060.049	1058.471
170.0	1074.936	1075.111	1075.427	1075.871	1076.444	1076.573	1077.742	1078.924	1080.105	1078.853
172.5	1092.337	1092.676	1093.097	1093.599	1094.184	1094.512	1095.424	1096.348	1097.271	1096.348
175.0	1105.878	1106.287	1106.744	1107.223	1107.539	1108.147	1108.767	1109.398	1110.018	1109.410
177.5	1113.795	1114.087	1114.356	1114.660	1114.976	1115.280	1115.596	1115.912	1116.227	1115.935
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1177.340	1176.954	1176.557	1176.171	1175.785	1175.703	1175.422	1175.153	1174.896	1174.674
5.0	1166.219	1165.459	1164.711	1164.453	1163.927	1163.436	1163.003	1162.617	1162.267	1161.974
7.5	1151.309	1150.140	1149.625	1148.830	1148.140	1147.544	1147.041	1146.632	1146.328	1146.117
10.0	1132.330	1130.845	1130.471	1129.617	1128.904	1128.331	1127.910	1127.629	1127.477	1127.477
12.5	1109.421	1108.486	1107.352	1106.439	1105.761	1105.317	1105.106	1105.141	1105.399	1105.890
15.0	1083.122	1082.350	1081.286	1080.502	1079.999	1079.789	1079.836	1080.151	1080.736	1081.566
17.5	1053.173	1052.460	1051.361	1050.682	1050.437	1050.624	1051.244	1052.285	1053.758	1055.664
20.0	1021.027	1020.641	1019.728	1019.284	1019.284	1019.740	1020.606	1021.892	1023.576	1025.646
22.5	986.670	986.354	985.465	985.208	985.594	986.623	988.295	990.610	993.370	992.856
25.0	950.886	949.833	949.448	949.705	950.570	952.009	953.985	955.949	954.464	953.915
27.5	913.021	911.875	911.606	912.226	913.734	916.120	918.961	917.804	916.880	916.190
30.0	872.174	871.694	872.127	873.425	875.518	878.371	877.202	876.313	876.290	876.992
32.5	831.806	830.894	831.198	832.765	835.606	836.448	835.852	835.758	836.027	837.209
35.0	790.690	790.164	790.760	792.444	794.245	792.479	791.824	792.666	794.490	797.133
37.5	749.293	748.428	749.059	751.223	751.141	750.498	750.802	751.585	753.444	756.345
40.0	708.247	707.861	708.762	710.083	708.107	707.335	708.130	710.340	713.451	713.989
42.5	666.827	666.839	668.441	668.394	667.353	667.704	668.756	670.791	670.733	670.452
45.0	625.103	625.676	627.898	626.342	625.804	625.091	628.845	630.119	629.675	629.336
47.5	585.776	586.162	586.840	585.285	585.519	587.296	588.945	587.577	587.729	589.109
50.0	546.870	547.735	546.835	545.280	545.385	547.618	547.010	546.917	547.420	549.068
52.5	507.110	508.420	506.771	506.292	507.426	507.227	505.999	506.303	508.046	508.911
55.0	467.900	469.140	467.245	467.386	468.941	467.444	467.175	468.029	468.298	467.877
57.5	430.082	430.175	428.831	429.661	429.193	428.608	428.527	429.708	428.480	428.433
60.0	391.819	391.188	390.930	391.796	390.053	390.463	391.574	390.182	389.738	390.392
62.5	354.983	353.381	353.942	353.147	352.247	352.855	351.814	351.603	351.989	351.861
65.0	318.357	316.732	317.399	315.165	315.481	314.569	313.984	314.756	313.961	313.598
67.5	282.001	280.960	279.966	278.820	278.118	277.358	277.499	277.089	276.844	276.762
70.0	245.820	245.972	243.738	243.399	242.077	242.300	241.095	240.534	241.013	240.616
72.5	210.667	210.141	208.586	208.212	208.352	207.042	206.282	205.756	205.113	204.867
75.0	176.673	175.808	175.001	174.615	173.972	173.457	173.106	171.738	170.896	170.405
77.5	144.854	144.444	142.994	141.918	141.883	141.369	140.679	139.240	138.831	137.919
80.0	114.706	114.321	113.408	112.520	111.888	111.093	111.011	110.029	108.649	107.257
82.5	87.693	87.565	86.945	85.998	85.273	84.559	83.635	82.840	82.209	81.472
85.0	64.375	64.457	64.048	62.960	62.200	61.779	61.312	60.481	58.985	57.418
87.5	47.197	46.811	46.834	45.899	45.115	45.946	46.297	46.870	46.706	46.472
90.0	43.408	43.385	43.420	42.940	42.508	41.888	40.987	40.227	39.011	37.748
92.5	54.506	55.242	55.079	54.494	54.529	55.278	55.675	55.313	54.213	53.722
95.0	73.485	73.848	73.567	73.766	74.105	74.538	74.432	73.508	71.883	70.901
97.5	96.616	96.932	96.978	96.230	97.013	97.551	96.932	96.019	95.493	95.072
100.0	122.062	122.120	122.845	123.243	123.278	123.629	123.828	122.389	121.653	120.589
102.5	149.835	150.350	151.238	151.847	152.244	152.373	151.858	150.864	150.736	150.701
105.0	179.772	180.088	181.444	182.836	182.684	182.461	181.479	180.906	181.386	182.415
107.5	212.433	212.609	213.006	213.778	214.632	213.147	212.632	212.515	212.702	213.696
110.0	246.229	246.077	245.282	246.112	245.258	246.042	245.399	244.989	245.796	246.685
112.5	279.756	278.703	278.504	278.200	277.768	277.978	279.814	279.416	279.533	280.609

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CANDELA TABULATION - (Cont.)

115.0	312.873	311.774	312.896	311.084	311.388	311.575	312.651	314.183	313.996	313.727
117.5	346.259	345.488	346.774	346.376	345.862	347.440	347.323	347.791	348.212	347.943
120.0	380.008	380.137	380.745	382.382	381.178	382.055	383.587	382.487	382.020	382.265
122.5	415.277	415.663	415.195	416.622	416.821	416.798	417.020	418.072	416.891	417.558
125.0	450.523	451.365	450.418	451.318	453.295	451.669	451.388	452.944	453.973	454.382
127.5	485.628	486.985	485.582	485.278	486.470	487.511	487.418	488.587	491.417	493.241
130.0	520.593	521.587	521.681	521.471	522.698	525.213	525.072	525.903	527.668	530.112
132.5	558.084	559.137	560.306	559.254	559.616	561.394	563.709	563.791	564.259	565.136
135.0	596.710	597.107	599.177	597.984	597.867	597.704	600.697	601.469	600.990	601.703
137.5	634.610	634.961	636.820	636.925	635.756	635.686	636.808	639.007	639.673	640.153
140.0	671.446	671.926	673.703	675.843	674.171	673.645	674.428	676.521	679.679	680.848
142.5	709.615	709.756	711.206	713.954	713.989	713.357	713.884	715.626	718.409	722.198
145.0	747.527	747.937	749.492	752.170	755.000	754.158	754.392	755.432	757.362	760.180
147.5	787.661	787.731	788.819	790.889	793.882	794.794	794.432	794.783	795.625	797.192
150.0	827.725	827.198	827.584	828.847	830.976	833.923	833.361	833.010	833.221	834.168
152.5	865.145	864.315	864.280	865.064	866.666	869.086	872.513	871.109	870.864	871.180
155.0	899.631	899.035	899.105	899.842	901.210	903.186	905.735	908.367	907.817	907.957
157.5	934.362	934.713	934.432	934.760	935.672	937.181	939.250	941.882	945.062	945.144
160.0	969.655	969.737	969.257	969.281	969.795	970.777	972.227	974.110	976.426	979.162
162.5	1004.035	1003.532	1002.667	1002.199	1002.152	1002.515	1003.287	1004.479	1006.070	1008.081
165.0	1032.931	1032.288	1031.376	1030.756	1030.405	1030.347	1030.557	1031.048	1031.808	1032.837
167.5	1056.892	1056.202	1055.325	1054.647	1054.167	1053.910	1053.852	1054.004	1054.366	1054.939
170.0	1077.614	1076.374	1076.187	1075.556	1075.076	1074.725	1074.527	1074.468	1074.550	1074.772
172.5	1095.424	1094.500	1094.161	1093.588	1093.085	1092.664	1092.337	1092.079	1091.916	1091.834
175.0	1108.802	1108.194	1107.585	1107.281	1106.825	1106.393	1105.995	1105.633	1105.293	1105.001
177.5	1115.631	1115.339	1115.046	1114.754	1114.462	1114.204	1113.935	1113.666	1113.409	1113.152
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

**Vert.
Angles**

Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1174.452	1174.265	1174.089	1173.937	1173.797	1173.692	1173.598	1173.528	1173.469	1173.446
5.0	1161.717	1161.518	1161.366	1161.261	1161.202	1161.191	1161.226	1161.308	1161.448	1161.623
7.5	1146.012	1146.012	1146.106	1146.304	1146.608	1147.006	1147.509	1148.105	1148.421	1148.678
10.0	1127.617	1127.886	1128.296	1128.845	1129.523	1130.190	1130.868	1131.675	1132.611	1133.675
12.5	1106.627	1107.597	1108.790	1109.971	1110.836	1111.865	1113.047	1114.380	1115.865	1117.397
15.0	1082.642	1083.964	1085.449	1087.156	1089.144	1090.080	1090.185	1090.594	1090.349	1090.232
17.5	1057.991	1059.897	1060.552	1059.663	1059.161	1059.044	1059.254	1059.757	1060.611	1061.803
20.0	1026.757	1026.301	1026.312	1026.792	1027.727	1028.125	1028.464	1029.224	1030.393	1031.808
22.5	991.686	991.066	990.985	991.441	992.540	994.177	996.294	998.679	1000.176	1001.965
25.0	954.020	954.745	956.066	957.177	958.358	960.089	962.381	965.270	968.637	970.298
27.5	916.190	916.891	918.365	920.622	923.475	925.720	928.539	928.691	929.474	930.796
30.0	878.383	879.611	881.997	884.359	886.136	886.581	887.668	888.978	889.855	891.375
32.5	839.243	841.874	844.786	844.775	844.775	845.231	846.388	848.248	850.703	852.598
35.0	800.302	801.694	801.659	802.150	803.167	804.921	806.266	808.289	810.897	814.066
37.5	757.432	757.912	757.900	760.052	761.724	763.840	766.577	769.278	771.289	772.903
40.0	713.849	714.655	716.304	718.585	721.075	723.671	725.636	727.320	729.086	730.910
42.5	671.236	672.709	674.849	676.685	680.193	681.795	683.222	685.163	687.362	689.677
45.0	629.851	631.745	634.458	635.756	637.440	639.463	642.059	644.141	646.596	649.157
47.5	591.050	592.184	592.137	593.587	595.727	598.207	601.048	604.323	606.907	607.866
50.0	550.530	550.600	550.904	551.512	555.056	558.190	561.008	562.119	563.417	564.493
52.5	508.818	509.472	510.350	512.080	513.928	516.559	517.670	517.845	520.196	521.611
55.0	468.427	469.725	471.525	471.689	472.461	473.934	475.537	476.542	477.770	478.939
57.5	429.380	430.947	431.076	431.415	431.555	432.853	434.362	435.800	436.479	437.695
60.0	390.860	390.603	391.001	391.831	392.556	393.363	394.263	395.000	395.561	396.356

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CANDELA TABULATION - (Cont.)

62.5	351.592	351.674	352.282	353.358	353.884	353.732	354.059	354.843	355.416	355.965
65.0	313.797	314.159	314.358	314.405	314.686	314.943	314.744	315.656	315.960	316.311
67.5	277.276	276.692	276.329	276.364	276.551	277.007	276.668	276.961	277.300	277.253
70.0	240.019	239.411	239.552	239.528	239.493	239.540	239.318	238.873	239.306	238.827
72.5	204.329	204.154	204.014	203.628	203.218	202.868	202.259	201.569	201.757	200.996
75.0	170.323	169.820	169.692	168.873	167.902	167.084	166.335	165.166	165.540	165.447
77.5	137.814	136.855	136.270	135.031	134.645	134.294	134.025	133.487	133.008	132.540
80.0	106.895	106.895	106.626	106.100	105.152	104.170	103.211	102.217	101.013	99.937
82.5	80.958	80.233	79.028	77.683	76.140	74.561	72.819	71.275	70.643	70.620
85.0	56.178	56.657	56.833	56.786	56.728	56.634	56.272	56.003	55.546	54.973
87.5	46.460	45.993	45.478	44.788	44.051	43.315	42.426	41.444	40.543	39.432
90.0	36.953	35.468	34.205	32.860	31.445	30.030	28.615	26.885	25.551	23.879
92.5	53.325	52.576	51.746	50.740	49.594	48.834	47.817	46.554	45.127	44.063
95.0	70.141	69.801	69.334	68.620	67.837	67.661	67.030	66.153	64.726	64.259
97.5	94.558	94.160	93.154	91.716	90.243	89.272	87.904	86.138	84.466	84.548
100.0	120.214	120.542	120.168	119.372	118.542	117.957	117.291	116.004	114.297	113.514
102.5	150.502	149.683	148.654	147.660	147.192	147.192	147.087	146.210	145.158	144.643
105.0	181.924	180.836	179.830	179.117	178.556	178.474	177.994	177.117	176.264	176.065
107.5	213.626	212.702	211.860	211.591	211.708	211.872	211.217	210.246	209.498	209.381
110.0	246.615	245.223	244.861	245.211	245.738	245.820	245.200	244.147	243.878	244.545
112.5	280.972	279.732	279.147	279.557	280.293	280.364	279.370	278.668	279.147	280.375
115.0	313.773	313.996	314.510	315.025	315.399	315.282	314.534	314.229	315.317	316.907
117.5	347.440	348.201	349.405	351.136	351.510	351.136	350.762	350.960	352.176	353.837
120.0	383.423	383.856	384.686	385.797	386.721	387.679	387.913	388.428	389.632	391.024
122.5	419.008	420.399	420.949	421.592	421.943	423.089	424.410	426.001	427.790	428.913
125.0	455.341	456.393	457.808	457.925	458.767	460.100	461.539	463.550	465.433	466.450
127.5	492.961	493.124	493.241	494.726	496.632	498.480	500.258	501.790	503.824	505.087
130.0	530.954	530.054	530.557	531.282	534.030	536.918	540.637	541.806	542.929	543.946
132.5	566.855	568.866	569.100	570.082	571.989	574.924	577.824	580.525	582.431	583.718
135.0	603.200	605.492	608.228	609.421	611.257	613.724	616.426	618.133	620.145	622.589
137.5	641.392	643.228	645.766	647.684	651.987	654.186	655.507	657.062	658.688	660.886
140.0	681.690	683.163	685.210	688.040	691.069	694.004	695.723	696.460	698.015	700.202
142.5	723.590	724.326	724.759	727.028	728.957	730.933	733.132	735.927	738.535	740.791
145.0	763.618	765.150	765.290	766.015	767.103	768.658	770.822	773.558	776.879	780.808
147.5	799.449	802.279	806.173	805.775	806.535	807.880	809.821	812.300	815.411	818.241
150.0	835.817	837.396	840.904	844.377	847.172	848.154	849.780	851.697	853.358	855.732
152.5	872.197	873.916	876.290	879.237	882.768	885.704	889.235	890.019	891.352	892.860
155.0	908.729	910.109	912.085	914.097	916.225	918.774	921.674	924.703	928.153	929.954
157.5	945.156	945.635	946.571	947.939	949.459	951.295	953.576	956.101	957.856	959.855
160.0	980.694	980.542	980.834	981.559	982.717	983.419	984.085	985.138	986.564	987.886
162.5	1010.490	1012.572	1013.531	1013.028	1012.876	1013.086	1013.402	1013.741	1014.408	1015.402
165.0	1034.147	1035.714	1037.258	1038.918	1040.813	1041.631	1041.620	1041.889	1041.959	1042.216
167.5	1055.711	1056.682	1057.863	1059.114	1060.283	1061.628	1063.148	1064.821	1066.668	1068.668
170.0	1075.146	1075.661	1076.316	1077.111	1078.046	1078.877	1079.555	1080.338	1081.239	1082.245
172.5	1091.845	1091.927	1092.103	1092.360	1092.699	1093.132	1093.635	1094.231	1094.418	1094.535
175.0	1104.732	1104.510	1104.311	1104.159	1104.042	1103.960	1103.914	1103.902	1103.937	1104.007
177.5	1112.906	1112.661	1112.427	1112.205	1111.982	1111.784	1111.585	1111.386	1111.211	1111.047
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

Vert. Horizontal Angles

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1173.434	1173.446	1173.481	1173.540	1173.610	1173.703	1173.820	1173.961	1174.113	1174.288
5.0	1161.846	1162.126	1162.442	1162.559	1162.711	1162.910	1163.144	1163.424	1163.740	1164.091
7.5	1149.017	1149.415	1149.871	1150.397	1150.994	1151.648	1152.362	1152.853	1153.344	1153.882

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CANDELA TABULATION - (Cont.)

10.0	1134.879	1136.201	1137.534	1138.271	1139.031	1139.861	1140.785	1141.767	1142.843	1143.650
12.5	1117.537	1117.654	1117.993	1118.566	1119.373	1119.817	1119.911	1120.215	1120.753	1121.501
15.0	1090.419	1090.886	1091.249	1092.243	1093.143	1094.301	1095.728	1096.277	1096.909	1097.809
17.5	1062.762	1063.756	1064.669	1065.896	1067.300	1068.563	1070.118	1071.977	1073.088	1074.141
20.0	1033.527	1035.621	1037.796	1039.211	1040.988	1043.140	1044.835	1046.835	1049.151	1050.495
22.5	1004.187	1006.573	1009.251	1011.589	1012.162	1012.934	1014.244	1015.039	1016.302	1017.694
25.0	971.093	971.690	972.695	973.900	975.630	976.847	978.156	979.793	980.951	982.658
27.5	932.655	933.930	935.146	936.853	938.572	940.841	942.408	944.314	945.963	947.553
30.0	893.316	895.749	897.935	899.830	902.134	904.367	906.975	908.881	911.056	912.740
32.5	854.878	857.486	860.445	863.146	865.742	867.402	869.215	870.922	872.712	874.115
35.0	816.943	818.790	820.545	822.766	824.567	826.649	828.438	830.379	832.391	834.367
37.5	775.020	776.879	778.996	781.241	783.381	785.919	788.164	790.304	792.350	794.689
40.0	733.109	735.670	737.845	740.406	743.130	745.726	748.205	750.264	752.556	754.766
42.5	692.215	694.741	697.489	699.991	702.821	705.429	706.762	708.200	709.814	711.124
45.0	651.859	654.618	655.788	657.133	658.700	660.465	662.056	663.646	665.026	666.312
47.5	608.848	610.146	611.631	612.719	614.508	616.040	617.782	619.209	620.507	621.782
50.0	565.346	566.492	568.141	569.685	570.995	572.246	573.813	574.994	576.257	577.508
52.5	522.921	523.716	525.014	526.593	528.183	529.037	530.229	531.469	532.732	534.018
55.0	481.056	481.793	482.611	484.061	485.570	486.389	487.429	488.622	489.745	490.692
57.5	439.051	440.186	440.408	441.998	443.168	444.068	444.968	446.033	446.956	447.506
60.0	397.666	398.952	399.409	400.344	401.350	402.063	402.812	403.642	404.238	404.507
62.5	356.889	357.942	358.585	359.181	360.082	360.491	361.157	361.801	362.397	362.643
65.0	316.861	317.597	318.381	318.638	319.597	319.632	320.065	320.556	321.035	321.199
67.5	277.475	277.849	278.691	278.516	279.124	279.042	279.183	279.475	279.779	279.837
70.0	238.651	238.569	239.060	238.791	238.943	238.721	238.487	238.558	238.628	238.569
72.5	200.307	199.757	199.710	200.014	200.236	200.365	200.190	200.330	200.412	200.459
75.0	165.084	164.850	164.920	164.850	164.535	164.406	163.903	163.564	163.248	163.038
77.5	131.698	130.984	130.423	129.874	129.078	128.540	127.769	126.892	126.155	125.652
80.0	98.616	97.364	96.230	95.049	93.798	92.757	91.763	90.313	89.132	88.278
82.5	70.503	70.316	70.176	69.895	69.497	69.217	69.006	68.246	67.568	67.194
85.0	54.330	53.640	53.067	52.448	51.606	50.916	50.354	49.431	48.413	47.805
87.5	38.239	37.035	36.006	35.059	33.749	32.673	31.702	30.603	29.258	28.416
90.0	22.125	20.429	18.933	17.646	15.869	14.407	13.039	11.776	10.092	9.016
92.5	42.870	41.701	40.531	39.350	37.947	36.696	35.445	34.380	32.872	31.621
95.0	63.615	62.960	62.095	61.019	60.014	58.985	57.839	56.985	55.652	54.213
97.5	84.442	84.267	83.682	82.735	82.092	81.238	80.244	79.554	78.373	76.783
100.0	112.800	112.087	110.918	109.374	108.169	106.801	105.363	104.252	102.662	100.510
102.5	144.362	144.082	143.322	142.164	141.135	140.141	139.240	138.469	137.159	135.440
105.0	176.205	176.322	175.901	175.036	174.217	173.597	173.200	172.732	171.703	170.417
107.5	209.521	209.404	208.703	208.025	207.428	207.229	207.276	207.077	206.306	205.440
110.0	245.305	245.387	244.720	243.995	243.411	243.259	243.177	242.744	241.890	241.142
112.5	281.404	281.603	281.019	280.843	280.808	281.252	281.252	280.890	280.247	279.744
115.0	317.913	317.960	317.714	318.088	318.556	319.562	319.433	319.176	318.685	318.393
117.5	354.679	354.796	355.006	355.720	356.714	358.047	357.719	357.603	357.240	357.100
120.0	392.006	392.369	392.825	393.702	395.058	396.310	396.462	396.602	396.275	396.181
122.5	429.848	430.480	430.725	432.140	433.766	435.017	435.683	436.128	436.174	436.467
125.0	468.333	468.964	469.666	471.058	472.894	474.297	475.244	475.841	476.238	476.928
127.5	506.362	507.356	508.689	510.373	512.302	514.209	515.156	515.811	516.501	517.530
130.0	545.233	546.648	548.332	550.285	552.109	553.851	555.243	555.933	556.880	558.096
132.5	585.378	586.805	588.653	590.290	592.278	593.868	595.377	596.230	597.341	598.674
135.0	625.208	627.839	629.804	631.336	632.797	634.493	635.709	636.773	638.060	639.463
137.5	663.482	666.406	669.446	671.341	673.446	675.668	676.416	677.515	679.059	680.497
140.0	702.880	706.025	708.352	710.715	712.866	714.597	715.942	717.439	719.298	721.204
142.5	743.610	746.147	748.720	750.626	752.310	753.702	755.082	756.777	758.543	760.683
145.0	784.773	787.638	789.462	791.298	792.245	793.298	794.619	796.198	798.104	799.987
147.5	821.574	824.696	827.748	830.216	832.215	833.209	834.683	836.226	837.969	839.430

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CANDELA TABULATION - (Cont.)

150.0	857.977	860.538	862.678	864.268	866.221	868.326	870.864	872.992	875.354	877.331
152.5	894.883	896.228	897.409	898.953	900.496	902.590	904.309	906.390	908.191	909.887
155.0	930.971	931.719	932.713	933.719	935.239	936.537	938.034	939.788	940.934	942.607
157.5	962.264	964.474	966.895	968.977	969.655	970.614	972.075	972.742	973.865	974.976
160.0	989.383	991.230	993.242	994.890	996.855	999.147	1000.585	1002.304	1004.339	1005.181
162.5	1016.197	1017.542	1018.734	1020.231	1021.705	1022.699	1023.985	1025.540	1026.254	1026.850
165.0	1042.742	1043.537	1044.169	1044.894	1045.525	1046.426	1047.560	1047.759	1048.016	1048.507
167.5	1068.621	1068.528	1068.668	1069.007	1069.568	1069.755	1069.557	1069.557	1069.767	1070.176
170.0	1083.344	1084.560	1085.764	1086.279	1086.817	1087.425	1088.103	1088.852	1089.670	1089.588
172.5	1094.699	1094.921	1095.190	1095.529	1095.915	1096.359	1096.850	1096.733	1096.500	1096.301
175.0	1104.101	1104.241	1104.416	1104.159	1103.925	1103.715	1103.528	1103.364	1103.224	1103.107
177.5	1110.883	1110.743	1110.603	1110.474	1110.369	1110.263	1110.182	1110.100	1110.041	1109.994
180.0	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777	1116.777

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1184.474	1184.474	1184.474	1184.474	1184.474
2.5	1174.487	1174.709	1174.943	1175.189	1175.457
5.0	1164.488	1164.921	1165.401	1165.903	1166.453
7.5	1154.478	1155.133	1155.847	1156.618	1157.437
10.0	1144.457	1145.041	1146.164	1147.287	1148.421
12.5	1122.098	1122.694	1123.501	1124.518	1125.746
15.0	1098.967	1099.692	1100.581	1101.703	1103.072
17.5	1075.485	1076.783	1077.707	1078.912	1080.397
20.0	1052.027	1053.887	1054.284	1056.003	1057.722
22.5	1018.571	1019.962	1021.015	1022.044	1023.599
25.0	983.898	985.383	986.857	987.886	989.488
27.5	949.284	950.851	952.734	953.739	955.365
30.0	914.693	916.377	917.371	919.312	921.242
32.5	875.600	877.097	879.096	880.044	881.482
35.0	835.770	837.454	839.395	840.436	841.722
37.5	796.092	797.893	799.753	800.875	801.951
40.0	756.532	758.426	760.180	760.917	762.192
42.5	712.562	714.094	715.380	716.398	717.111
45.0	667.727	669.177	670.405	671.399	672.031
47.5	622.986	624.343	625.512	626.424	626.939
50.0	578.292	579.578	580.689	580.970	581.858
52.5	534.732	535.913	537.047	537.819	538.029
55.0	491.464	492.458	493.475	494.212	494.188
57.5	448.254	449.096	449.938	450.617	450.348
60.0	405.104	405.817	404.776	406.624	406.519
62.5	363.122	363.824	364.350	364.888	364.479
65.0	321.410	321.994	322.357	322.754	322.450
67.5	279.756	280.188	280.387	280.621	280.410
70.0	238.160	238.417	237.260	238.183	238.370
72.5	200.073	200.260	200.295	200.353	200.318
75.0	162.476	162.359	162.266	162.231	162.266
77.5	124.927	124.483	124.249	124.132	124.214
80.0	87.401	85.331	85.659	85.881	86.161
82.5	66.667	66.083	65.814	65.568	65.580
85.0	47.010	46.180	45.677	45.174	44.999
87.5	27.341	26.276	25.528	24.780	24.405
90.0	7.671	6.373	5.379	4.385	3.824
92.5	30.358	29.305	28.311	27.387	26.452
95.0	53.044	52.237	51.243	50.378	49.091

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CANDELA TABULATION - (Cont.)

97.5	75.719	75.157	74.175	73.380	71.719
100.0	99.153	98.487	97.294	96.417	94.347
102.5	134.493	133.920	132.926	132.318	130.119
105.0	169.844	169.364	168.581	168.206	165.891
107.5	205.206	204.832	204.247	204.002	201.651
110.0	240.955	240.522	240.019	239.867	237.423
112.5	279.697	279.533	279.101	278.890	276.224
115.0	318.509	318.545	318.182	317.890	315.025
117.5	357.404	357.567	357.263	356.877	353.825
120.0	396.602	396.754	396.415	395.865	392.626
122.5	437.133	437.437	437.379	436.818	433.859
125.0	477.747	478.214	478.355	477.770	475.092
127.5	518.453	519.085	519.354	518.734	516.325
130.0	559.266	560.049	560.353	559.698	557.558
132.5	600.101	601.083	601.434	600.779	598.698
135.0	640.983	642.223	642.562	641.849	639.826
137.5	681.994	683.479	683.736	682.918	680.965
140.0	722.783	724.397	724.864	723.952	722.093
142.5	762.028	763.361	763.770	762.659	761.057
145.0	801.425	802.325	802.676	801.378	800.022
147.5	841.009	841.278	841.582	840.109	838.986
150.0	879.552	879.634	880.242	878.792	877.950
152.5	911.255	911.547	911.921	910.612	909.875
155.0	943.109	943.601	943.612	942.443	941.800
157.5	975.163	975.818	975.303	974.274	973.724
160.0	1006.175	1007.473	1006.690	1006.023	1005.649
162.5	1027.704	1028.101	1027.294	1026.745	1026.453
165.0	1049.244	1048.578	1047.911	1047.467	1047.256
167.5	1069.802	1069.077	1068.551	1068.212	1068.060
170.0	1089.343	1089.156	1089.004	1088.910	1088.863
172.5	1096.149	1096.020	1095.938	1095.891	1095.891
175.0	1103.013	1102.955	1102.908	1102.896	1102.920
177.5	1109.959	1109.924	1109.924	1109.924	1109.936
180.0	1116.777	1116.777	1116.777	1116.777	1116.777

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	423.55	N.A.	7.50
0-30	881.26	N.A.	15.60
0-40	1407.82	N.A.	25.00
0-60	2374.16	N.A.	42.10
0-80	2882.14	N.A.	51.20
0-90	2945.04	N.A.	52.30
10-90	2834.01	N.A.	50.30
20-40	984.27	N.A.	17.50
20-50	1503.38	N.A.	26.70
40-70	1290.96	N.A.	22.90
60-80	507.98	N.A.	9.00
70-80	183.36	N.A.	3.30
80-90	62.89	N.A.	1.10
90-110	222.30	N.A.	3.90
90-120	517.04	N.A.	9.20
90-130	920.54	N.A.	16.30
90-150	1869.86	N.A.	33.20
90-180	2688.93	N.A.	47.70
110-180	2466.63	N.A.	43.80
0-180	5633.97	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	111.03
10-20	312.52
20-30	457.71
30-40	526.56
40-50	519.11
50-60	447.23
60-70	324.62
70-80	183.36
80-90	62.89
90-100	57.14
100-110	165.16
110-120	294.74
120-130	403.50
130-140	469.28
140-150	480.04
150-160	422.35
160-170	292.14
170-180	104.59

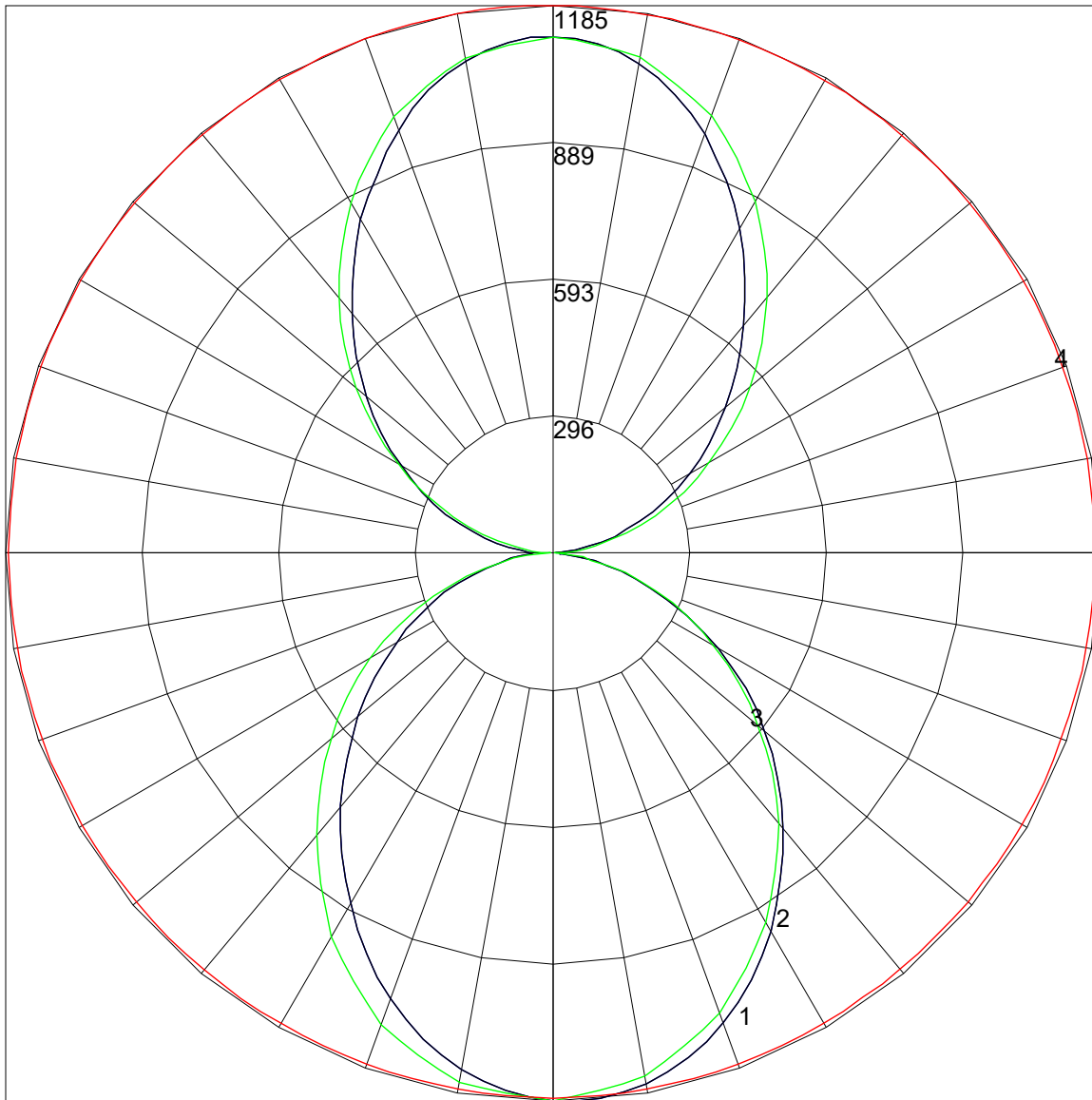
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	100	100	100	85	85	85	71	71	71	58	58	58	52
1	98	94	90	87	91	87	84	81	74	72	69	62	61	59	51	50	49	44
2	90	82	76	71	83	76	71	66	65	61	58	55	52	49	45	43	41	37
3	82	72	65	59	75	67	61	55	57	53	49	49	45	42	40	38	35	31
4	75	64	56	50	69	60	53	47	51	46	41	43	39	36	36	33	31	27
5	69	57	49	43	63	53	46	41	46	40	36	39	35	31	32	29	27	23
6	63	51	43	37	58	48	41	35	41	36	31	35	31	27	30	26	24	21
7	59	46	38	33	54	43	36	31	37	32	28	32	28	24	27	24	21	18
8	54	42	34	29	50	39	32	27	34	29	25	29	25	22	25	21	19	16
9	51	38	31	26	47	36	29	25	31	26	22	27	23	19	23	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	14

POLAR GRAPH



Maximum Candela = 1185.199 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)