



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : NLSDI48MTB40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[TEST] 8,388P8  
[TESTLAB] CSA Group  
[ISSUEDATE] 10/29/2015 10:39:40 AM  
[LUMINAIRE] NLSDI48MTB40/NLWDI48MTB40  
[ AMBIENT] 24.8 deg C  
[ POWERFACTOR] 0.9982  
[ ATHD] 5.33%  
[ CURRENT] 0.5344  
[ VOLTAGE] 120.06  
[ STABILIZATION] 49:34.5 Stable  
[ POWER VARIATION] 0.26 %  
[ LIGHT VARIATION] 0.45 %  
[ Lumens] 6,451  
[ CONVERT]  
[MANUFAC] LAMAR LIGHTING CO., INC.  
[ SEARCH\_SOURCETYPE] 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	6451
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	64.15
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)	0.16 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	19097	19333	19576
55	17313	17807	17884
65	15331	16163	15323
75	12598	14114	12047
85	10374	11774	4661

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>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1345.936	1345.990	1346.043	1346.123	1346.231	1346.351	1346.498	1346.659	1346.833	1347.021
<b>5.0</b>	1335.626	1335.706	1335.827	1335.987	1336.188	1336.429	1336.697	1337.018	1337.366	1337.755
<b>7.5</b>	1325.302	1325.423	1325.597	1325.824	1326.119	1326.467	1326.882	1327.337	1327.846	1327.926
<b>10.0</b>	1314.978	1315.085	1315.206	1315.313	1316.036	1316.491	1317.014	1316.933	1317.040	1317.214
<b>12.5</b>	1289.015	1289.256	1289.752	1290.475	1291.439	1292.376	1293.086	1294.036	1295.228	1296.647
<b>15.0</b>	1263.052	1263.333	1263.895	1264.726	1265.837	1266.306	1267.149	1268.274	1269.774	1270.309
<b>17.5</b>	1237.089	1237.397	1238.013	1238.963	1239.606	1240.235	1241.199	1242.204	1242.753	1243.636
<b>20.0</b>	1211.125	1211.259	1211.393	1213.174	1213.442	1214.152	1215.303	1215.370	1215.999	1217.057
<b>22.5</b>	1172.053	1172.442	1173.446	1174.638	1175.749	1177.463	1178.842	1180.503	1182.792	1183.863
<b>25.0</b>	1132.995	1133.343	1134.361	1135.351	1136.597	1138.177	1139.395	1141.256	1142.247	1143.546
<b>27.5</b>	1093.923	1094.217	1095.235	1096.079	1097.444	1098.636	1100.015	1101.194	1101.890	1103.055
<b>30.0</b>	1054.851	1054.717	1054.583	1056.819	1058.319	1059.176	1060.729	1060.863	1061.626	1061.693
<b>32.5</b>	1009.325	1009.606	1010.664	1011.829	1013.476	1014.882	1016.328	1017.225	1018.283	1019.300
<b>35.0</b>	963.799	964.067	965.044	966.316	967.628	969.008	969.637	970.628	971.096	972.181
<b>37.5</b>	918.259	918.514	919.438	920.817	921.741	923.214	923.040	923.615	924.285	924.539
<b>40.0</b>	872.733	872.466	873.845	875.318	875.813	876.402	876.523	876.844	877.473	876.965
<b>42.5</b>	821.115	821.410	822.521	824.476	825.306	826.123	827.234	828.011	828.667	829.002
<b>45.0</b>	769.497	769.804	770.943	772.683	773.969	774.571	775.375	776.660	776.834	777.263
<b>47.5</b>	717.865	718.186	719.391	721.105	722.739	723.140	723.984	725.149	725.497	726.033
<b>50.0</b>	666.246	666.019	667.840	669.607	671.415	671.843	672.767	673.745	674.535	675.325
<b>52.5</b>	616.061	616.409	617.707	619.341	620.787	621.309	622.207	622.983	623.853	624.965
<b>55.0</b>	565.861	566.263	567.642	569.196	570.401	571.057	572.061	572.704	573.614	574.752
<b>57.5</b>	515.662	516.118	517.577	519.050	520.094	520.858	521.942	522.598	523.656	524.928
<b>60.0</b>	465.477	465.503	465.624	468.891	469.868	470.752	471.770	472.881	473.939	475.466
<b>62.5</b>	417.340	417.621	419.067	420.205	421.049	421.879	422.776	423.633	424.918	426.605
<b>65.0</b>	369.216	369.256	370.689	371.653	372.510	373.460	374.465	375.496	376.835	378.696
<b>67.5</b>	321.079	320.891	322.284	323.074	324.025	325.082	326.288	327.439	328.952	330.867
<b>70.0</b>	272.942	272.192	272.527	274.495	275.580	276.758	278.231	279.436	281.257	283.185
<b>72.5</b>	229.371	229.090	230.281	230.937	231.955	232.919	234.151	235.035	236.601	237.914
<b>75.0</b>	185.800	185.693	186.817	187.741	188.960	190.031	191.410	192.575	194.356	195.735
<b>77.5</b>	142.229	142.296	143.340	144.572	145.978	147.183	148.696	150.209	152.124	153.690
<b>80.0</b>	98.658	98.738	99.207	99.956	103.009	104.348	106.009	107.923	109.919	111.753
<b>82.5</b>	75.091	75.372	76.082	77.113	77.890	78.519	79.644	81.224	82.442	83.380
<b>85.0</b>	51.525	51.913	52.609	53.453	53.881	54.430	55.810	58.019	59.585	60.791
<b>87.5</b>	27.945	28.467	29.137	29.779	29.860	30.342	31.962	34.827	36.729	38.215
<b>90.0</b>	4.379	5.008	5.651	6.106	5.838	6.240	8.114	11.609	13.859	15.626
<b>92.5</b>	30.288	30.569	30.971	31.025	30.529	30.288	31.266	33.689	35.001	35.725
<b>95.0</b>	56.211	56.144	56.292	55.957	55.220	54.350	54.417	55.769	56.158	55.863
<b>97.5</b>	82.121	81.706	81.612	80.889	79.925	78.439	77.635	77.903	77.367	76.082
<b>100.0</b>	108.031	107.334	107.174	106.370	105.594	104.080	103.116	103.224	102.875	101.911
<b>102.5</b>	148.991	147.973	147.745	146.915	145.938	144.224	142.911	142.603	141.934	140.635
<b>105.0</b>	189.951	188.612	188.317	187.473	186.308	184.434	182.800	182.064	181.113	179.533
<b>107.5</b>	230.897	229.250	228.902	228.032	226.733	224.711	222.769	221.645	220.426	218.605
<b>110.0</b>	271.857	269.942	269.608	268.885	267.653	265.778	263.917	262.779	261.801	260.315
<b>112.5</b>	316.285	314.772	314.424	313.621	312.241	310.300	308.332	306.845	305.680	304.154
<b>115.0</b>	360.713	359.588	359.240	358.397	356.910	354.902	352.840	351.113	349.707	348.354
<b>117.5</b>	405.141	404.391	404.070	403.200	401.646	399.598	397.482	395.621	393.907	392.742
<b>120.0</b>	449.569	449.208	448.980	448.217	446.757	444.829	442.794	441.308	439.125	437.478
<b>122.5</b>	496.782	496.220	495.925	495.082	493.569	491.600	489.431	487.075	485.106	482.937
<b>125.0</b>	543.996	543.259	542.884	542.027	540.487	538.519	536.203	533.525	531.355	529.119
<b>127.5</b>	591.209	590.312	589.856	589.039	587.513	585.531	583.094	580.349	577.886	576.078
<b>130.0</b>	638.422	637.364	636.855	636.119	634.646	632.450	630.013	627.362	624.630	622.501
<b>132.5</b>	685.528	684.591	684.001	683.292	681.698	679.315	676.918	674.508	671.709	669.232

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	732.620	731.804	731.201	730.558	728.737	726.421	724.091	721.721	719.056	716.646
<b>137.5</b>	779.726	779.017	778.441	778.146	775.924	773.768	771.947	769.001	766.698	764.756
<b>140.0</b>	826.819	826.203	825.641	824.931	822.856	820.740	818.116	815.290	812.679	809.720
<b>142.5</b>	871.435	870.859	870.497	869.801	868.060	866.708	863.548	860.990	858.112	855.152
<b>145.0</b>	916.050	915.514	915.381	914.671	913.439	911.658	909.275	907.226	904.106	901.468
<b>147.5</b>	960.666	960.170	960.291	959.581	958.992	957.090	955.310	953.167	950.837	948.079
<b>150.0</b>	1005.281	1004.745	1004.906	1003.822	1003.406	1000.782	998.787	995.667	993.123	989.414
<b>152.5</b>	1041.836	1041.314	1041.447	1040.604	1040.082	1038.421	1036.466	1034.364	1031.847	1029.664
<b>155.0</b>	1078.390	1077.895	1078.002	1077.493	1076.864	1076.235	1074.333	1073.048	1070.932	1069.084
<b>157.5</b>	1114.945	1114.463	1114.557	1114.476	1113.780	1113.633	1112.401	1111.129	1110.553	1108.598
<b>160.0</b>	1151.500	1150.964	1150.750	1150.924	1149.398	1148.380	1147.951	1145.207	1143.225	1141.725
<b>162.5</b>	1175.321	1174.798	1174.584	1174.651	1173.995	1173.098	1172.522	1171.786	1169.991	1168.519
<b>165.0</b>	1199.141	1198.659	1198.432	1198.459	1198.820	1197.829	1197.347	1197.120	1197.414	1195.660
<b>167.5</b>	1222.962	1222.520	1222.306	1222.306	1222.520	1222.587	1222.172	1221.998	1222.038	1222.320
<b>170.0</b>	1246.783	1246.341	1245.966	1245.658	1245.404	1245.216	1245.163	1244.038	1243.208	1242.445
<b>172.5</b>	1254.830	1254.496	1254.215	1253.987	1253.799	1253.652	1253.558	1253.518	1253.585	1252.809
<b>175.0</b>	1262.878	1262.650	1262.463	1262.315	1262.182	1262.101	1262.034	1262.007	1262.007	1262.048
<b>177.5</b>	1270.912	1270.805	1270.711	1270.631	1270.577	1270.524	1270.497	1270.483	1270.483	1270.510
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Angles**      **Horizontal Angles**

	<b>25.0</b>	<b>27.5</b>	<b>30.0</b>	<b>32.5</b>	<b>35.0</b>	<b>37.5</b>	<b>40.0</b>	<b>42.5</b>	<b>45.0</b>	<b>47.5</b>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1347.235	1347.462	1347.717	1347.985	1348.252	1348.547	1348.868	1349.190	1349.525	1349.873
<b>5.0</b>	1338.170	1338.625	1339.120	1339.388	1339.683	1340.031	1340.406	1340.821	1341.276	1341.758
<b>7.5</b>	1328.127	1328.395	1328.716	1329.105	1329.547	1330.055	1330.618	1331.301	1331.354	1331.662
<b>10.0</b>	1317.482	1317.830	1318.259	1318.152	1318.112	1318.165	1318.299	1318.513	1318.821	1319.210
<b>12.5</b>	1297.906	1299.017	1300.370	1301.963	1303.784	1305.793	1304.762	1304.146	1303.677	1303.369
<b>15.0</b>	1271.354	1272.679	1274.300	1275.143	1276.161	1277.460	1279.053	1281.289	1282.427	1284.329
<b>17.5</b>	1244.855	1245.417	1245.939	1246.783	1247.975	1248.738	1249.782	1251.215	1253.023	1254.415
<b>20.0</b>	1216.830	1217.071	1217.687	1217.807	1218.115	1218.852	1219.534	1219.521	1219.949	1220.860
<b>22.5</b>	1185.658	1187.773	1188.068	1187.921	1187.827	1186.756	1186.207	1186.140	1185.872	1186.073
<b>25.0</b>	1145.073	1146.238	1148.085	1149.317	1150.549	1152.357	1152.437	1151.540	1151.165	1150.442
<b>27.5</b>	1103.604	1104.889	1105.465	1106.362	1107.420	1108.424	1110.192	1111.825	1113.861	1113.780
<b>30.0</b>	1062.309	1062.604	1063.166	1063.474	1063.769	1064.625	1065.416	1066.902	1068.107	1069.727
<b>32.5</b>	1020.613	1020.867	1020.720	1020.211	1020.211	1020.425	1021.041	1021.121	1021.978	1022.353
<b>35.0</b>	972.877	974.029	974.524	975.649	976.814	976.519	975.810	975.488	974.779	975.033
<b>37.5</b>	925.182	925.169	925.785	926.615	927.780	928.610	929.654	929.360	928.168	927.204
<b>40.0</b>	876.844	876.978	877.179	877.902	878.076	878.438	878.652	879.161	879.977	880.299
<b>42.5</b>	829.002	828.921	829.095	828.908	828.935	828.346	828.212	828.399	828.948	830.247
<b>45.0</b>	778.106	778.749	779.633	780.583	779.686	779.030	778.736	778.588	779.003	779.057
<b>47.5</b>	726.849	727.787	728.416	728.764	729.032	729.514	730.143	729.809	729.554	729.594
<b>50.0</b>	676.115	677.025	678.177	677.708	678.163	678.967	679.261	680.185	681.685	681.672
<b>52.5</b>	625.942	626.947	627.469	627.616	628.660	628.768	629.129	630.120	631.338	632.637
<b>55.0</b>	575.998	577.203	577.471	578.528	579.653	579.452	580.001	580.912	582.010	582.813
<b>57.5</b>	526.240	527.352	527.740	529.173	529.802	530.458	531.730	532.842	533.538	533.766
<b>60.0</b>	476.845	477.795	478.639	480.058	480.594	481.652	482.964	484.437	485.803	485.977
<b>62.5</b>	427.851	428.801	429.953	431.171	432.216	433.622	435.041	436.554	437.090	437.960
<b>65.0</b>	380.035	380.892	382.151	383.275	384.614	386.168	387.828	389.421	389.247	390.693
<b>67.5</b>	332.126	333.438	335.085	336.317	337.856	339.517	341.378	342.302	342.717	344.203
<b>70.0</b>	284.591	286.292	288.113	289.733	291.527	293.495	295.437	296.013	297.218	298.423
<b>72.5</b>	238.918	240.257	241.475	243.484	245.586	247.836	249.750	250.741	252.455	253.647
<b>75.0</b>	197.101	198.788	200.221	201.600	203.113	204.479	205.376	206.313	208.161	209.875
<b>77.5</b>	155.418	157.507	159.060	160.881	162.568	163.853	164.027	164.269	165.179	166.866
<b>80.0</b>	113.855	116.359	118.046	120.389	122.184	123.402	122.599	122.291	122.559	124.099

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**CANDELA TABULATION - (Cont.)**

82.5	84.397	85.629	85.870	86.981	87.089	86.526	82.737	80.353	80.032	81.465
85.0	61.982	63.161	63.522	64.700	64.955	64.834	62.317	60.496	58.474	57.443
87.5	39.581	40.679	41.214	42.420	42.902	43.263	42.312	41.817	41.174	40.906
90.0	17.153	18.184	18.920	20.125	20.862	21.732	22.495	23.299	24.062	24.504
92.5	36.394	36.608	36.742	37.171	37.171	37.224	36.769	35.845	35.015	33.890
95.0	55.662	55.073	54.591	54.243	53.547	52.783	51.177	48.592	46.182	43.517
97.5	75.024	73.645	72.534	71.449	70.056	68.517	65.865	62.585	61.473	60.657
100.0	101.336	100.773	100.720	100.773	100.639	100.371	99.407	98.082	97.037	96.113
102.5	139.484	138.546	138.104	137.730	137.087	136.203	134.864	133.672	132.909	131.985
105.0	177.859	176.520	175.704	174.981	173.909	172.490	170.763	169.651	169.504	168.968
107.5	216.503	214.709	213.557	213.196	212.379	211.160	209.661	208.241	207.840	207.237
110.0	258.373	256.660	255.575	254.812	253.526	251.919	249.898	248.170	246.965	246.108
112.5	301.837	299.668	298.102	296.910	295.183	293.228	290.938	288.849	287.269	286.037
115.0	345.783	343.132	341.043	339.436	337.535	335.379	333.103	330.586	328.872	327.452
117.5	389.850	387.051	384.601	382.659	380.972	378.857	376.393	373.581	371.452	369.992
120.0	434.747	431.613	428.721	426.498	424.985	422.923	420.513	417.808	415.157	413.081
122.5	480.139	476.871	473.470	470.966	469.253	467.659	465.744	462.276	458.420	455.287
125.0	526.066	522.705	519.050	516.131	513.881	511.940	509.208	505.834	502.125	499.032
127.5	572.382	568.700	564.978	561.416	558.443	555.899	553.382	550.918	547.142	544.009
130.0	618.966	615.096	611.468	607.652	604.411	601.412	598.720	596.243	593.913	589.240
132.5	666.327	662.457	658.266	654.624	651.919	648.451	645.411	641.702	638.395	635.021
135.0	714.330	710.326	706.363	702.399	698.516	694.633	690.803	687.309	684.216	681.377
137.5	761.677	757.874	753.321	748.421	744.015	740.186	736.771	734.107	731.415	729.112
140.0	806.761	803.869	799.557	795.406	790.947	787.104	783.636	781.039	779.566	776.687
142.5	852.501	849.529	846.851	842.780	839.084	835.389	832.188	828.038	823.592	819.883
145.0	898.496	895.992	893.595	891.104	887.355	882.481	877.460	872.827	868.368	864.780
147.5	945.481	941.518	937.969	934.756	931.288	926.950	923.053	918.741	915.032	911.578
150.0	986.133	982.679	979.626	976.881	974.471	972.248	968.766	965.955	962.848	960.009
152.5	1026.558	1024.134	1021.443	1019.233	1017.439	1015.832	1014.908	1012.900	1010.985	1006.834
155.0	1067.357	1065.081	1063.447	1061.733	1060.327	1059.577	1057.221	1053.833	1050.874	1046.576
157.5	1107.380	1106.416	1103.644	1100.497	1097.605	1094.405	1091.687	1089.477	1086.840	1084.603
160.0	1138.819	1136.449	1134.468	1131.924	1129.567	1127.639	1125.898	1123.943	1122.457	1121.439
162.5	1167.380	1165.640	1163.872	1162.466	1161.408	1159.842	1158.570	1157.713	1157.244	1156.735
165.0	1194.629	1193.906	1193.451	1192.353	1191.429	1190.826	1190.545	1191.134	1190.103	1190.090
167.5	1222.132	1221.489	1221.088	1220.940	1221.047	1221.663	1218.758	1216.589	1214.593	1212.759
170.0	1241.748	1241.132	1240.597	1239.124	1237.691	1236.379	1235.187	1234.103	1233.125	1232.282
172.5	1252.260	1251.778	1251.362	1250.988	1250.680	1250.425	1250.238	1250.305	1249.220	1248.577
175.0	1262.115	1262.222	1262.356	1262.101	1261.887	1261.713	1261.579	1261.499	1261.445	1261.432
177.5	1270.550	1270.590	1270.657	1270.751	1270.845	1270.952	1271.086	1271.233	1271.394	1271.568
180.0	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. 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	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
2.5	1350.234	1350.609	1350.997	1351.386	1351.801	1352.203	1352.631	1353.059	1353.488	1353.930
5.0	1342.281	1342.843	1343.432	1344.048	1344.704	1345.387	1346.097	1346.833	1347.583	1348.373
7.5	1332.024	1332.466	1332.961	1333.523	1334.153	1334.849	1335.599	1336.416	1337.299	1338.237
10.0	1319.397	1319.410	1319.544	1319.799	1320.174	1320.682	1321.312	1322.062	1322.932	1323.923
12.5	1303.222	1303.222	1303.088	1302.967	1303.021	1303.235	1303.624	1304.186	1304.922	1305.833
15.0	1285.159	1284.570	1284.195	1283.726	1282.882	1282.320	1282.026	1282.026	1282.307	1282.882
17.5	1255.661	1257.321	1259.410	1259.584	1259.423	1257.267	1256.437	1255.942	1255.821	1256.062
20.0	1222.012	1223.190	1224.850	1226.993	1229.617	1229.805	1228.211	1227.046	1226.310	1226.029
22.5	1186.809	1187.813	1188.764	1190.304	1192.420	1195.111	1197.253	1195.379	1193.852	1192.928
25.0	1150.174	1150.496	1151.058	1151.660	1152.906	1154.834	1157.699	1159.668	1157.753	1156.093
27.5	1112.388	1111.504	1111.303	1110.982	1110.861	1111.477	1112.843	1114.892	1117.677	1116.043

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**CANDELA TABULATION - (Cont.)**

30.0	1072.378	1071.106	1069.245	1068.080	1067.384	1067.464	1068.361	1070.289	1072.003	1074.240
32.5	1023.250	1024.804	1026.933	1025.366	1023.920	1022.541	1022.139	1022.768	1024.415	1027.067
35.0	974.953	976.010	977.309	978.822	978.434	976.734	975.997	976.185	977.269	979.104
37.5	926.950	926.816	927.311	928.463	930.739	932.105	929.935	928.918	929.105	930.083
40.0	879.388	878.505	878.223	878.853	879.991	882.066	883.070	880.808	879.750	879.844
42.5	831.037	830.488	829.551	829.377	829.510	830.381	832.135	832.496	830.341	829.671
45.0	779.619	780.691	781.869	780.450	779.686	779.325	779.994	782.605	783.168	781.909
47.5	729.902	730.250	730.880	731.710	730.532	730.157	731.081	732.687	734.602	733.009
50.0	681.256	680.948	680.346	680.654	682.609	683.345	682.930	683.747	684.336	686.961
52.5	633.307	632.222	631.432	631.928	633.320	635.985	635.998	634.900	635.489	637.337
55.0	583.041	583.724	584.420	584.099	584.768	585.571	587.205	587.767	587.111	587.620
57.5	533.806	534.797	535.721	536.966	536.939	537.234	538.425	540.086	539.818	539.242
60.0	486.552	487.195	487.784	488.775	490.128	490.810	490.409	490.918	492.591	492.096
62.5	439.835	441.147	441.535	441.508	441.937	443.263	443.678	443.477	444.120	446.182
65.0	392.086	393.787	395.353	394.617	395.219	395.554	396.210	398.071	397.603	398.232
67.5	345.676	347.136	347.417	348.461	349.907	349.854	350.470	351.461	352.465	352.264
70.0	299.789	301.181	301.677	303.591	303.766	304.904	306.002	305.988	307.260	308.372
72.5	255.588	256.378	257.798	259.297	259.565	260.369	260.355	262.752	262.029	261.748
75.0	212.138	212.754	213.651	213.423	214.950	215.807	214.642	214.695	214.829	214.909
77.5	168.794	169.330	168.942	167.562	168.071	168.286	168.446	166.170	167.482	167.616
80.0	125.384	126.294	125.759	124.112	122.679	122.786	123.951	124.259	125.063	124.447
82.5	82.375	84.129	84.464	84.571	84.451	84.946	85.495	86.138	87.236	88.414
85.0	55.528	54.645	52.449	50.454	47.842	49.905	51.819	54.176	55.970	58.220
87.5	40.291	40.103	39.166	38.282	37.064	36.689	35.979	35.832	35.296	37.291
90.0	25.280	25.695	26.204	26.378	26.686	27.061	27.624	28.213	28.735	30.221
92.5	33.006	31.949	30.984	30.074	29.070	27.530	26.070	24.691	23.821	24.959
95.0	40.987	38.469	36.046	34.011	31.788	31.882	32.270	32.926	33.743	35.149
97.5	60.215	60.175	60.161	60.161	59.559	58.434	56.934	55.676	55.502	56.184
100.0	95.203	94.507	93.529	91.855	89.378	87.852	87.651	86.861	85.817	85.214
102.5	130.847	129.602	128.531	127.004	126.120	125.652	124.728	122.880	121.394	121.032
105.0	168.018	166.933	165.474	164.269	164.027	164.349	162.514	160.975	160.573	159.716
107.5	206.166	204.934	203.461	202.122	201.185	200.381	199.578	199.444	198.373	196.940
110.0	245.211	243.899	242.172	239.935	238.985	238.195	237.351	236.695	236.615	235.972
112.5	285.756	283.881	281.953	279.824	278.325	277.454	275.941	275.834	276.289	274.776
115.0	326.475	325.270	323.623	320.851	318.240	316.781	316.151	316.044	314.852	315.147
117.5	369.015	367.663	365.052	362.374	359.923	358.611	357.259	355.491	354.728	355.933
120.0	410.752	408.757	407.163	405.235	403.494	400.535	397.696	396.130	396.143	394.282
122.5	452.756	451.002	449.864	449.275	445.633	442.272	439.835	438.897	436.541	434.452
125.0	496.501	494.600	492.712	489.994	487.677	485.213	483.647	481.330	478.371	476.831
127.5	541.867	537.890	534.623	532.119	530.365	529.400	527.138	524.326	522.545	521.768
130.0	585.250	581.662	578.662	576.413	575.007	572.409	569.852	569.262	567.857	567.883
132.5	631.044	627.670	624.630	622.675	618.966	615.552	613.289	612.459	613.155	609.995
135.0	678.752	675.833	673.089	667.197	662.524	659.779	658.239	657.918	655.615	651.919
137.5	727.023	723.154	717.691	712.910	708.773	705.613	703.886	702.252	698.061	694.754
140.0	771.880	767.381	763.257	759.615	756.361	754.031	751.447	746.653	742.864	740.467
142.5	816.228	812.599	809.747	806.975	804.913	802.275	797.482	793.692	790.987	789.327
145.0	861.419	858.687	856.384	854.831	851.791	847.105	843.476	841.120	839.874	839.098
147.5	908.739	906.530	905.499	899.420	894.800	891.171	888.440	886.646	885.842	886.217
150.0	958.135	953.301	947.798	942.897	938.813	935.666	933.484	932.480	931.931	931.971
152.5	1001.184	996.055	991.637	987.620	984.085	981.219	979.090	977.965	978.662	974.538
155.0	1042.492	1038.957	1035.650	1032.476	1030.026	1028.312	1027.696	1026.544	1022.139	1018.135
157.5	1082.823	1081.015	1078.524	1076.583	1075.230	1074.467	1073.664	1068.977	1064.987	1061.706
160.0	1120.582	1119.511	1118.895	1118.748	1119.056	1116.699	1112.321	1108.571	1105.465	1102.988
162.5	1156.307	1156.320	1156.762	1155.222	1153.455	1148.956	1146.117	1143.707	1141.725	1140.172
165.0	1189.005	1186.474	1184.145	1181.882	1179.512	1177.450	1175.696	1174.236	1173.111	1172.294
167.5	1211.112	1209.639	1207.952	1206.278	1204.792	1203.520	1202.449	1201.592	1200.962	1200.547

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**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	1231.251	1230.086	1229.081	1228.211	1227.501	1226.952	1226.564	1226.323	1226.256	1226.337
<b>172.5</b>	1248.042	1247.586	1247.238	1246.971	1246.810	1246.729	1246.756	1246.877	1247.091	1247.412
<b>175.0</b>	1261.472	1261.552	1261.673	1261.833	1262.034	1262.275	1262.556	1262.891	1263.253	1263.654
<b>177.5</b>	1271.755	1271.956	1272.170	1272.398	1272.639	1272.894	1273.148	1273.429	1273.710	1274.005
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Horizontal Angles**  
**Angles**

	<b>75.0</b>	<b>77.5</b>	<b>80.0</b>	<b>82.5</b>	<b>85.0</b>	<b>87.5</b>	<b>90.0</b>	<b>92.5</b>	<b>95.0</b>	<b>97.5</b>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1354.372	1354.827	1355.282	1355.724	1356.179	1356.635	1357.090	1356.835	1356.568	1356.313
<b>5.0</b>	1349.176	1350.007	1350.850	1351.720	1352.604	1353.488	1354.398	1353.876	1353.367	1352.859
<b>7.5</b>	1339.228	1340.285	1341.397	1342.548	1343.767	1345.025	1346.338	1345.561	1344.838	1344.169
<b>10.0</b>	1325.021	1326.239	1327.578	1329.011	1330.564	1332.211	1333.952	1332.988	1332.118	1331.354
<b>12.5</b>	1306.918	1308.176	1309.609	1311.202	1312.970	1314.911	1317.014	1315.755	1314.657	1313.746
<b>15.0</b>	1283.739	1284.864	1286.284	1287.984	1289.952	1292.189	1294.692	1293.340	1292.255	1291.425
<b>17.5</b>	1256.665	1257.629	1258.981	1260.682	1262.771	1265.221	1268.046	1266.480	1265.288	1264.458
<b>20.0</b>	1226.189	1226.819	1227.903	1229.483	1231.532	1234.076	1237.102	1235.469	1234.330	1233.674
<b>22.5</b>	1192.607	1192.888	1193.799	1195.325	1197.468	1200.226	1203.587	1201.752	1200.534	1199.918
<b>25.0</b>	1155.316	1155.396	1156.320	1158.088	1160.659	1164.006	1168.117	1165.961	1164.528	1163.845
<b>27.5</b>	1114.717	1114.209	1114.530	1115.722	1117.824	1120.850	1124.840	1122.537	1121.225	1120.890
<b>30.0</b>	1071.950	1070.678	1070.464	1071.320	1073.262	1076.302	1080.452	1078.123	1076.904	1076.784
<b>32.5</b>	1027.937	1026.089	1025.353	1025.768	1027.375	1030.213	1034.311	1031.699	1030.387	1030.374
<b>35.0</b>	982.183	980.576	978.996	978.688	979.706	982.103	985.932	983.790	983.054	983.683
<b>37.5</b>	932.265	933.511	931.181	930.404	931.234	933.671	937.728	935.546	934.957	935.961
<b>40.0</b>	881.263	884.209	882.388	881.156	881.665	883.927	887.998	885.963	885.722	887.235
<b>42.5</b>	830.729	833.139	833.822	832.081	832.175	834.170	838.120	835.268	834.518	835.911
<b>45.0</b>	781.588	783.141	786.194	783.864	783.462	785.069	788.778	785.042	783.556	784.413
<b>47.5</b>	732.339	733.223	735.580	734.281	733.062	734.147	737.615	731.241	727.666	727.264
<b>50.0</b>	684.885	684.256	685.809	686.385	684.336	684.564	687.255	678.445	672.593	669.995
<b>52.5</b>	637.846	636.065	637.002	639.346	636.025	635.181	637.029	627.937	621.658	618.149
<b>55.0</b>	589.829	588.316	588.290	590.553	586.897	584.246	584.540	577.497	573.239	569.249
<b>57.5</b>	540.675	541.746	540.246	540.943	537.019	530.351	526.830	519.104	515.461	507.802
<b>60.0</b>	492.631	495.229	492.578	491.641	489.257	481.009	476.269	463.495	455.622	438.777
<b>62.5</b>	445.043	445.271	446.155	445.017	445.151	433.180	424.543	402.838	387.694	366.002
<b>65.0</b>	399.357	399.143	401.754	398.754	397.750	382.566	369.028	345.060	325.605	302.654
<b>67.5</b>	353.375	354.380	354.688	352.505	346.413	328.403	307.649	288.099	271.000	251.665
<b>70.0</b>	308.184	309.818	308.881	309.188	296.388	278.646	258.373	239.828	223.359	207.652
<b>72.5</b>	263.970	263.582	266.126	263.796	251.089	231.058	216.476	190.647	179.332	172.490
<b>75.0</b>	214.936	216.141	217.092	217.320	210.665	185.144	177.672	150.115	142.483	137.569
<b>77.5</b>	166.866	166.987	168.098	170.401	165.179	147.076	139.069	114.391	106.022	102.192
<b>80.0</b>	125.277	125.705	125.719	125.719	122.478	109.677	106.517	79.242	74.207	73.083
<b>82.5</b>	89.258	90.141	90.570	91.266	90.757	71.851	59.893	50.962	51.458	56.064
<b>85.0</b>	58.340	58.769	60.456	61.380	61.527	52.208	23.151	31.252	40.237	44.964
<b>87.5</b>	40.438	41.897	41.696	43.062	43.062	42.486	17.206	34.118	38.844	39.701
<b>90.0</b>	31.453	32.752	33.984	34.399	35.711	36.327	26.860	36.113	34.988	33.381
<b>92.5</b>	28.306	31.400	29.150	28.882	28.601	25.521	7.472	20.875	21.598	21.330
<b>95.0</b>	34.720	33.890	35.122	35.149	34.506	33.903	11.636	15.091	18.987	20.768
<b>97.5</b>	56.144	56.292	56.238	56.225	55.836	55.783	55.475	28.159	28.092	30.757
<b>100.0</b>	85.482	85.723	85.388	84.799	85.575	89.003	91.373	52.074	47.360	45.713
<b>102.5</b>	120.550	120.537	120.617	121.474	123.764	124.875	124.259	88.789	75.198	70.980
<b>105.0</b>	158.712	159.113	158.551	158.966	159.930	159.328	158.859	136.471	113.279	102.166
<b>107.5</b>	197.261	195.668	195.842	195.347	194.436	193.539	193.954	185.465	161.711	140.180
<b>110.0</b>	233.897	233.709	232.156	232.973	230.643	229.531	229.598	228.715	213.022	186.737
<b>112.5</b>	274.107	272.580	271.201	270.505	269.367	267.559	268.014	267.921	261.600	240.926
<b>115.0</b>	314.786	312.429	312.456	310.260	310.889	308.894	309.818	307.983	307.381	293.027

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**CANDELA TABULATION - (Cont.)**

<b>117.5</b>	353.563	352.452	352.090	351.273	352.144	350.015	351.354	348.957	349.827	342.342
<b>120.0</b>	393.238	393.920	392.193	392.541	393.224	391.765	393.278	390.077	389.850	387.533
<b>122.5</b>	434.010	433.689	432.323	433.247	432.310	430.783	431.935	429.176	429.136	428.989
<b>125.0</b>	476.684	473.952	473.002	474.301	472.078	471.074	472.587	469.802	469.587	470.792
<b>127.5</b>	519.907	516.586	515.702	516.265	513.359	512.877	514.859	511.926	511.444	513.332
<b>130.0</b>	563.384	560.653	560.117	559.274	556.810	556.502	558.443	555.511	554.935	556.729
<b>132.5</b>	606.607	604.733	604.639	602.349	600.448	600.582	602.778	600.287	599.926	601.747
<b>135.0</b>	649.696	648.853	649.147	645.666	644.059	644.354	646.550	644.514	644.394	646.188
<b>137.5</b>	693.147	693.066	691.942	688.969	687.510	687.684	689.598	687.911	687.965	689.639
<b>140.0</b>	739.382	739.409	735.928	733.236	732.259	733.009	735.513	733.196	732.567	733.585
<b>142.5</b>	788.858	787.680	783.623	781.159	780.289	781.052	783.462	780.798	779.740	780.235
<b>145.0</b>	839.513	835.817	832.363	830.287	829.631	830.434	832.751	829.805	828.359	828.386
<b>147.5</b>	885.333	882.214	880.138	879.161	879.335	880.700	883.312	880.085	878.130	877.433
<b>150.0</b>	928.382	925.811	924.298	923.856	924.499	926.253	929.119	926.026	924.044	923.187
<b>152.5</b>	971.552	969.503	968.392	968.244	969.048	970.842	973.614	970.695	968.766	967.816
<b>155.0</b>	1015.109	1013.061	1011.976	1011.856	1012.672	1014.400	1017.024	1014.266	1012.391	1011.400
<b>157.5</b>	1059.149	1057.328	1056.257	1055.949	1056.417	1057.676	1059.711	1057.368	1055.801	1055.011
<b>160.0</b>	1101.167	1099.988	1099.439	1099.547	1100.283	1101.649	1103.631	1101.247	1099.493	1098.342
<b>162.5</b>	1139.061	1138.418	1138.217	1138.471	1139.194	1140.386	1142.033	1139.958	1138.351	1137.213
<b>165.0</b>	1171.799	1171.625	1171.799	1172.294	1173.125	1174.290	1175.789	1173.915	1172.388	1171.197
<b>167.5</b>	1200.373	1200.440	1200.748	1201.297	1202.101	1203.158	1204.471	1202.917	1201.632	1200.601
<b>170.0</b>	1226.591	1227.006	1227.595	1228.332	1229.242	1230.300	1231.532	1230.153	1228.948	1227.890
<b>172.5</b>	1247.814	1248.323	1248.912	1249.608	1250.398	1251.269	1252.233	1251.162	1250.171	1249.274
<b>175.0</b>	1264.096	1264.592	1265.101	1265.663	1266.252	1266.881	1267.551	1266.828	1266.132	1265.475
<b>177.5</b>	1274.313	1274.621	1274.942	1275.277	1275.612	1275.960	1276.308	1275.933	1275.572	1275.210
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**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>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1356.045	1355.791	1355.523	1355.269	1355.014	1354.760	1354.506	1354.251	1353.997	1353.756
<b>5.0</b>	1352.377	1351.908	1351.453	1351.011	1350.582	1350.181	1349.806	1349.444	1349.096	1348.775
<b>7.5</b>	1343.539	1342.963	1342.441	1341.973	1341.557	1341.209	1340.901	1340.660	1340.473	1340.352
<b>10.0</b>	1330.671	1330.096	1329.614	1329.239	1328.944	1328.757	1328.650	1328.650	1328.743	1328.931
<b>12.5</b>	1312.997	1312.434	1312.059	1311.858	1311.858	1312.046	1312.407	1312.983	1313.733	1314.684
<b>15.0</b>	1290.836	1290.515	1290.421	1290.582	1290.970	1291.586	1292.430	1293.487	1294.773	1296.259
<b>17.5</b>	1264.016	1263.949	1264.244	1264.927	1265.998	1267.417	1269.225	1271.380	1274.929	1275.973
<b>20.0</b>	1233.500	1233.795	1234.545	1235.763	1237.423	1239.512	1242.030	1244.962	1246.100	1244.721
<b>22.5</b>	1199.918	1200.547	1201.779	1203.614	1206.051	1209.090	1212.719	1211.500	1209.987	1209.104
<b>25.0</b>	1163.912	1164.743	1166.336	1168.693	1171.799	1174.959	1173.754	1172.120	1171.451	1171.451
<b>27.5</b>	1121.560	1123.207	1125.818	1129.393	1134.133	1132.366	1131.509	1130.879	1131.067	1132.044
<b>30.0</b>	1077.734	1079.756	1082.796	1086.853	1086.170	1085.969	1086.090	1087.121	1088.821	1091.071
<b>32.5</b>	1031.673	1034.284	1038.180	1039.519	1039.091	1039.412	1040.390	1042.398	1045.397	1048.624
<b>35.0</b>	985.611	988.758	991.891	990.418	990.418	991.730	994.007	997.167	1001.077	1002.857
<b>37.5</b>	938.532	942.643	942.683	941.772	942.348	943.995	947.195	951.908	952.431	951.788
<b>40.0</b>	890.448	893.863	890.984	890.649	892.136	894.787	899.058	899.018	898.362	899.835
<b>42.5</b>	839.513	838.642	835.308	834.974	836.714	841.267	843.168	841.602	841.709	843.985
<b>45.0</b>	787.653	781.280	776.258	773.567	775.669	779.579	781.775	782.820	783.690	786.301
<b>47.5</b>	727.907	724.238	720.944	718.213	717.905	719.793	723.877	727.559	729.715	731.322
<b>50.0</b>	668.817	668.402	669.500	670.169	666.233	668.429	671.991	678.003	678.953	680.011
<b>52.5</b>	614.588	614.347	618.484	614.266	609.151	610.972	617.306	619.783	615.163	618.672
<b>55.0</b>	559.528	557.319	559.876	543.661	537.622	539.684	545.201	542.777	539.496	544.745
<b>57.5</b>	494.600	488.240	477.153	462.946	451.645	455.635	463.682	466.106	465.517	464.432
<b>60.0</b>	421.544	411.220	398.500	385.311	376.192	380.129	387.105	394.590	398.178	405.195
<b>62.5</b>	346.935	335.915	329.461	318.428	320.516	322.498	325.712	332.152	340.655	347.979



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**CANDELA TABULATION - (Cont.)**

<b>65.0</b>	283.279	279.222	275.325	274.361	275.606	275.955	279.704	285.033	289.960	293.576
<b>67.5</b>	240.658	238.516	237.097	238.329	240.324	241.515	244.595	246.804	249.322	254.316
<b>70.0</b>	205.952	204.961	205.389	207.090	207.612	210.169	213.986	215.673	217.762	221.256
<b>72.5</b>	174.070	171.191	171.740	173.093	174.766	178.730	180.886	183.992	187.688	191.437
<b>75.0</b>	135.788	135.467	136.243	138.238	140.233	143.581	147.183	151.856	155.123	158.538
<b>77.5</b>	101.456	102.527	103.706	106.785	108.807	111.311	114.297	119.385	121.581	125.022
<b>80.0</b>	76.149	78.358	80.340	81.425	82.268	84.531	86.098	88.602	90.891	94.547
<b>82.5</b>	60.416	62.357	62.625	62.960	62.545	61.889	62.371	64.071	66.106	68.597
<b>85.0</b>	46.852	46.865	47.267	46.678	44.669	43.558	42.259	42.098	42.433	45.888
<b>87.5</b>	37.746	38.443	36.715	33.288	31.132	30.918	30.248	30.797	31.520	33.421
<b>90.0</b>	31.574	29.284	27.637	25.722	24.129	22.549	21.545	21.290	21.290	21.223
<b>92.5</b>	20.353	20.607	19.108	17.849	17.902	18.518	19.174	19.844	20.728	21.424
<b>95.0</b>	20.741	19.630	19.603	20.232	20.246	20.688	20.969	20.728	20.326	21.839
<b>97.5</b>	33.903	34.506	34.332	32.524	30.462	30.784	33.247	35.510	37.010	38.028
<b>100.0</b>	48.713	50.936	51.672	52.328	51.538	50.976	51.859	53.132	55.381	58.313
<b>102.5</b>	69.882	70.579	70.793	72.212	73.699	74.448	76.243	78.117	80.635	82.938
<b>105.0</b>	97.640	96.354	96.462	96.569	98.309	101.014	103.344	105.232	108.205	111.525
<b>107.5</b>	131.021	128.263	127.031	127.379	128.906	131.008	134.235	137.207	139.671	143.032
<b>110.0</b>	174.659	165.648	163.653	163.104	164.389	166.705	169.276	172.303	175.958	180.859
<b>112.5</b>	226.813	214.347	207.907	206.514	204.921	207.237	209.714	212.138	216.182	222.783
<b>115.0</b>	284.805	270.973	260.717	256.472	254.624	252.870	253.861	258.226	263.288	268.952
<b>117.5</b>	339.932	331.938	319.017	312.081	309.416	307.153	305.935	309.577	315.549	322.150
<b>120.0</b>	386.154	385.779	374.117	369.283	369.243	365.520	364.141	366.551	372.229	377.772
<b>122.5</b>	427.516	428.359	424.463	421.357	423.325	424.369	422.039	422.789	427.235	434.117
<b>125.0</b>	468.998	469.534	471.623	469.694	471.114	474.662	475.840	474.716	476.965	480.299
<b>127.5</b>	512.101	512.395	515.180	516.345	516.921	518.996	521.353	522.290	522.853	524.781
<b>130.0</b>	557.171	557.145	558.979	562.621	562.755	563.987	564.094	566.330	568.272	569.088
<b>132.5</b>	603.835	603.059	604.130	606.567	608.535	607.317	607.665	609.258	611.936	615.003
<b>135.0</b>	649.897	648.491	648.089	649.000	651.357	652.722	652.495	653.566	655.722	659.310
<b>137.5</b>	692.825	693.294	692.089	692.410	694.432	697.619	698.704	699.708	701.877	704.836
<b>140.0</b>	736.142	739.195	737.883	737.869	739.329	742.315	746.533	748.300	749.465	751.541
<b>142.5</b>	782.190	785.578	785.913	785.618	786.662	788.899	792.126	796.250	798.272	799.852
<b>145.0</b>	829.805	832.604	835.683	834.880	835.188	836.286	838.455	841.749	845.940	848.578
<b>147.5</b>	877.982	879.763	882.749	883.526	882.963	883.392	884.651	886.887	890.020	893.756
<b>150.0</b>	923.441	924.780	927.217	930.699	930.177	930.217	930.471	931.823	934.046	937.139
<b>152.5</b>	967.816	968.793	970.695	973.533	976.841	976.051	976.278	977.550	979.679	982.639
<b>155.0</b>	1011.320	1012.150	1013.877	1016.515	1020.064	1023.920	1024.335	1024.335	1025.460	1027.348
<b>157.5</b>	1054.971	1055.668	1057.074	1059.189	1061.988	1065.429	1069.312	1069.834	1070.223	1071.254
<b>160.0</b>	1097.833	1097.940	1098.676	1100.042	1102.037	1104.635	1107.862	1111.678	1113.686	1113.325
<b>162.5</b>	1136.543	1136.316	1136.557	1137.253	1138.391	1139.971	1141.980	1144.417	1148.514	1150.067
<b>165.0</b>	1170.353	1169.858	1169.710	1169.911	1170.460	1171.357	1172.602	1174.196	1176.111	1178.360
<b>167.5</b>	1199.824	1199.302	1199.034	1199.021	1199.249	1199.704	1200.413	1201.337	1202.502	1203.881
<b>170.0</b>	1227.006	1226.283	1225.721	1225.332	1225.105	1225.038	1225.131	1225.386	1225.814	1226.390
<b>172.5</b>	1248.484	1247.774	1247.171	1246.663	1246.247	1245.939	1245.725	1245.618	1245.605	1245.698
<b>175.0</b>	1264.860	1264.270	1263.735	1263.226	1262.771	1262.356	1261.967	1261.646	1261.351	1261.110
<b>177.5</b>	1274.848	1274.500	1274.166	1273.844	1273.523	1273.215	1272.920	1272.639	1272.358	1272.104
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Angles**

**Horizontal Angles**

	<u><b>125.0</b></u>	<u><b>127.5</b></u>	<u><b>130.0</b></u>	<u><b>132.5</b></u>	<u><b>135.0</b></u>	<u><b>137.5</b></u>	<u><b>140.0</b></u>	<u><b>142.5</b></u>	<u><b>145.0</b></u>	<u><b>147.5</b></u>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1353.515	1353.274	1353.046	1352.818	1352.591	1352.377	1352.162	1351.962	1351.761	1351.573
<b>5.0</b>	1348.480	1348.212	1347.958	1347.730	1347.529	1347.355	1347.208	1347.074	1346.980	1346.900
<b>7.5</b>	1340.272	1340.272	1340.312	1340.419	1340.580	1340.982	1340.687	1340.513	1340.366	1340.259
<b>10.0</b>	1329.199	1329.560	1330.015	1330.363	1330.578	1330.872	1331.234	1331.676	1332.198	1332.787

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**CANDELA TABULATION - (Cont.)**

12.5	1315.809	1316.840	1317.415	1318.112	1318.902	1319.799	1320.790	1322.182	1320.723	1319.544
15.0	1297.705	1299.272	1301.080	1301.414	1300.597	1300.557	1298.683	1297.397	1296.420	1295.724
17.5	1276.415	1274.795	1273.603	1272.827	1272.211	1271.595	1271.287	1271.287	1271.447	1270.684
20.0	1243.784	1243.288	1243.235	1242.779	1242.405	1242.498	1243.074	1243.355	1243.677	1244.333
22.5	1208.836	1209.184	1209.465	1209.947	1210.898	1212.264	1212.973	1214.219	1215.986	1217.004
25.0	1172.120	1172.910	1174.062	1175.870	1178.119	1179.699	1181.734	1182.565	1181.360	1180.784
27.5	1133.463	1135.044	1137.293	1140.118	1141.872	1141.283	1140.895	1140.025	1139.931	1139.703
30.0	1093.173	1096.092	1098.435	1097.016	1096.641	1096.761	1096.761	1097.364	1097.592	1098.342
32.5	1052.708	1050.994	1050.512	1050.660	1051.410	1051.905	1053.177	1053.994	1055.159	1056.391
35.0	1002.469	1002.483	1002.857	1004.451	1005.361	1007.290	1009.017	1011.173	1012.887	1012.592
37.5	952.417	953.288	955.002	956.916	959.568	962.286	963.611	963.303	963.357	962.995
40.0	901.629	904.066	907.052	909.917	911.203	911.792	912.475	912.636	912.930	913.774
42.5	848.069	854.081	856.786	857.964	858.259	859.544	861.446	862.852	863.307	864.110
45.0	791.644	796.611	800.682	802.958	805.864	807.564	810.149	813.335	814.674	815.197
47.5	734.924	740.788	745.461	748.755	751.996	756.187	759.240	762.253	765.533	765.372
50.0	684.122	689.491	694.526	698.007	699.708	703.805	708.130	711.143	713.915	715.883
52.5	629.785	640.189	648.076	645.626	647.755	652.963	657.784	661.345	664.104	666.501
55.0	559.943	577.805	581.635	583.416	590.753	599.912	608.575	613.168	615.565	617.239
57.5	482.709	500.116	511.819	516.225	525.865	543.339	557.734	560.371	562.728	566.477
60.0	414.434	430.796	442.098	447.614	459.317	480.018	494.104	501.054	506.222	514.671
62.5	357.326	369.510	381.977	391.430	404.351	420.513	435.563	440.611	447.815	459.558
65.0	303.886	316.366	327.586	338.272	350.965	366.739	379.258	382.927	389.595	403.896
67.5	261.453	269.340	277.963	286.077	299.226	315.321	327.747	334.750	339.985	351.621
70.0	225.956	229.638	234.271	242.814	253.982	267.291	279.074	287.617	292.464	301.904
72.5	193.834	196.927	200.930	207.451	213.785	222.836	231.701	239.748	246.443	253.941
75.0	160.801	165.340	169.303	174.820	178.328	182.425	188.437	196.538	204.479	211.415
77.5	128.330	133.284	137.971	141.947	144.572	147.638	152.740	159.287	165.728	170.923
80.0	98.430	102.112	105.580	108.754	111.057	113.788	117.859	123.108	127.874	131.356
82.5	70.646	72.574	74.060	76.484	77.809	80.487	84.544	89.767	93.944	97.077
85.0	47.829	50.105	51.726	54.819	56.653	59.519	62.357	65.758	68.383	70.431
87.5	34.292	35.283	35.966	37.438	38.161	39.447	40.652	42.112	43.102	43.919
90.0	21.062	20.647	20.513	20.219	19.911	19.576	19.188	18.639	17.956	17.474
92.5	22.294	23.138	24.075	25.213	26.472	27.798	29.003	30.248	31.373	32.216
95.0	23.740	25.816	27.851	30.422	33.247	36.220	39.018	42.018	44.910	47.026
97.5	38.911	39.889	40.880	42.286	43.906	45.834	49.422	54.176	58.702	61.996
100.0	61.018	63.991	67.258	70.498	73.484	76.658	80.179	84.277	87.959	90.048
102.5	85.883	89.485	94.962	99.648	103.853	108.258	113.400	119.064	123.737	126.321
105.0	116.065	121.769	127.781	132.722	136.725	140.836	147.665	154.721	160.064	162.903
107.5	148.964	156.261	163.894	170.722	176.440	182.064	188.612	194.811	198.908	200.689
110.0	187.232	194.530	202.671	210.866	218.056	225.032	232.156	238.155	241.569	242.721
112.5	230.402	238.864	248.197	255.013	261.815	269.434	276.316	281.297	284.002	285.060
115.0	276.986	286.519	295.303	302.641	308.854	315.522	320.918	324.774	326.676	327.854
117.5	329.140	337.214	345.489	350.992	356.228	361.168	365.119	368.158	369.671	371.345
120.0	383.610	388.698	394.081	399.357	403.963	406.440	409.185	411.702	413.523	415.626
122.5	435.885	438.456	441.040	444.628	448.284	451.176	454.068	456.130	458.246	460.442
125.0	484.571	485.910	487.316	489.967	492.752	495.832	498.657	501.107	503.678	506.182
127.5	527.017	530.003	533.109	536.042	538.894	542.054	544.103	546.446	549.044	551.681
130.0	570.923	573.520	577.323	581.822	586.803	588.624	590.579	592.856	595.052	597.997
132.5	616.489	619.140	622.514	626.639	630.602	634.378	637.846	639.828	642.104	645.251
135.0	663.742	666.099	668.978	672.379	676.021	679.168	682.462	685.501	689.210	693.374
137.5	708.358	712.669	716.994	720.047	722.632	725.551	728.295	731.630	735.606	739.918
140.0	754.580	758.570	762.976	767.555	770.836	773.085	775.910	779.365	783.288	787.734
142.5	802.315	804.886	808.261	811.943	816.161	821.035	825.186	828.520	832.416	836.005
145.0	849.837	851.725	854.121	857.496	861.339	865.971	870.912	876.416	881.624	885.240
147.5	897.933	899.152	901.509	904.642	908.297	912.127	916.679	920.844	925.396	929.279
150.0	941.478	946.633	951.467	953.207	956.006	959.246	962.366	966.129	968.967	971.993

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**CANDELA TABULATION - (Cont.)**

<b>152.5</b>	986.133	989.990	994.596	999.831	1004.076	1006.339	1008.789	1010.503	1012.833	1014.708
<b>155.0</b>	1029.972	1032.931	1036.306	1040.309	1044.701	1048.250	1052.374	1055.427	1055.949	1057.114
<b>157.5</b>	1072.941	1075.244	1077.132	1079.194	1081.805	1084.938	1087.228	1089.933	1093.066	1095.945
<b>160.0</b>	1113.499	1114.222	1115.454	1116.552	1117.757	1119.391	1121.426	1123.260	1125.242	1127.666
<b>162.5</b>	1151.660	1151.473	1151.687	1152.317	1152.986	1153.562	1154.526	1155.892	1157.525	1158.556
<b>165.0</b>	1180.529	1182.765	1185.243	1186.367	1186.501	1187.653	1187.010	1187.251	1187.813	1188.697
<b>167.5</b>	1205.488	1207.068	1208.394	1209.907	1211.608	1213.482	1215.517	1218.209	1217.713	1217.673
<b>170.0</b>	1227.127	1228.024	1229.081	1230.005	1230.795	1231.706	1232.750	1233.915	1235.201	1236.607
<b>172.5</b>	1245.886	1246.181	1246.569	1247.051	1247.640	1248.684	1248.591	1248.765	1249.006	1249.314
<b>175.0</b>	1260.910	1260.749	1260.642	1260.575	1260.548	1260.575	1260.655	1260.762	1260.923	1261.137
<b>177.5</b>	1271.863	1271.622	1271.407	1271.206	1271.019	1270.845	1270.684	1270.550	1270.430	1270.323
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Horizontal Angles**

**Angles**

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1351.386	1351.225	1351.051	1350.904	1350.756	1350.623	1350.489	1350.381	1350.274	1350.181
<b>5.0</b>	1346.860	1346.485	1346.137	1345.815	1345.494	1345.200	1344.918	1344.651	1344.423	1344.195
<b>7.5</b>	1340.205	1340.178	1340.205	1340.259	1340.433	1339.991	1339.536	1339.094	1338.692	1338.317
<b>10.0</b>	1333.416	1333.403	1333.443	1333.550	1333.698	1333.898	1334.260	1333.698	1333.095	1332.533
<b>12.5</b>	1318.567	1317.804	1317.268	1316.451	1315.380	1314.496	1313.827	1313.358	1312.367	1311.216
<b>15.0</b>	1295.228	1294.304	1293.635	1293.220	1293.300	1292.148	1291.318	1290.742	1290.488	1289.256
<b>17.5</b>	1270.256	1270.175	1270.122	1269.626	1269.412	1269.492	1268.863	1268.167	1267.752	1267.189
<b>20.0</b>	1245.029	1245.002	1245.350	1246.181	1245.859	1245.926	1246.542	1245.645	1245.136	1245.016
<b>22.5</b>	1218.021	1218.450	1216.977	1215.799	1215.303	1213.643	1212.612	1211.715	1210.215	1209.291
<b>25.0</b>	1180.235	1179.097	1178.601	1177.704	1177.008	1176.579	1175.414	1174.852	1173.674	1172.723
<b>27.5</b>	1139.650	1139.904	1139.368	1139.516	1138.967	1138.806	1138.284	1137.641	1137.079	1136.128
<b>30.0</b>	1099.065	1099.573	1100.296	1100.444	1101.086	1100.859	1101.234	1100.497	1100.417	1099.493
<b>32.5</b>	1058.078	1059.484	1060.582	1059.725	1058.988	1058.091	1057.207	1056.056	1055.105	1053.806
<b>35.0</b>	1012.230	1012.552	1012.030	1011.722	1011.025	1010.985	1009.914	1009.311	1008.307	1007.316
<b>37.5</b>	962.928	963.196	964.080	963.477	963.317	963.263	962.808	962.741	961.536	960.866
<b>40.0</b>	913.854	914.470	915.340	915.769	915.702	915.662	915.849	915.367	914.791	914.470
<b>42.5</b>	865.382	865.998	867.029	868.328	867.592	867.498	868.221	867.297	866.855	866.601
<b>45.0</b>	816.080	816.830	817.714	818.223	818.397	818.651	818.906	818.852	818.758	818.156
<b>47.5</b>	766.176	767.542	768.358	768.894	769.269	769.778	770.099	770.434	770.742	769.912
<b>50.0</b>	717.235	718.199	719.364	720.342	720.195	720.824	721.480	722.029	722.605	721.734
<b>52.5</b>	668.054	669.513	670.812	672.031	671.294	671.589	672.406	672.914	673.356	672.821
<b>55.0</b>	618.792	620.332	621.028	621.912	622.019	622.166	623.063	623.465	623.974	623.827
<b>57.5</b>	569.276	570.749	571.432	572.195	572.824	572.998	573.775	574.096	574.659	574.819
<b>60.0</b>	519.211	521.514	522.357	522.839	523.683	524.352	524.500	524.821	525.383	525.785
<b>62.5</b>	468.931	472.854	473.578	473.189	474.073	474.127	474.019	473.711	473.551	473.497
<b>65.0</b>	417.045	421.249	421.357	421.504	423.472	423.673	423.057	422.187	421.383	420.928
<b>67.5</b>	365.052	368.961	368.975	369.738	372.630	373.501	372.322	370.863	369.323	368.426
<b>70.0</b>	312.134	316.807	317.089	317.905	321.601	323.583	321.762	319.700	317.370	315.937
<b>72.5</b>	261.239	266.260	267.452	268.536	272.232	274.843	273.049	271.281	269.460	268.791
<b>75.0</b>	217.413	221.337	222.368	222.716	224.765	226.666	224.925	223.385	221.993	221.979
<b>77.5</b>	174.699	176.935	177.364	177.284	177.806	178.489	176.802	175.422	174.472	175.168
<b>80.0</b>	132.856	132.976	132.427	132.159	131.249	130.338	128.678	127.433	126.910	128.330
<b>82.5</b>	98.175	98.242	98.283	98.765	98.269	97.546	96.488	96.006	96.180	97.814
<b>85.0</b>	70.954	70.780	70.498	70.351	69.481	68.195	66.763	66.280	66.535	67.887
<b>87.5</b>	43.785	43.343	42.781	41.978	40.732	38.844	37.037	36.568	36.930	37.961
<b>90.0</b>	16.644	15.934	15.091	13.591	11.971	9.480	7.311	6.842	7.324	8.034
<b>92.5</b>	32.323	32.123	31.694	31.199	30.395	28.989	27.717	27.798	28.762	29.726
<b>95.0</b>	48.030	48.325	48.338	48.833	48.833	48.499	48.137	48.766	50.212	51.418
<b>97.5</b>	63.817	64.580	65.089	66.535	67.338	68.075	68.584	69.789	71.677	73.123

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**CANDELA TABULATION - (Cont.)**

<b>100.0</b>	90.557	90.155	89.753	90.530	90.851	91.373	91.695	92.605	94.279	94.118
<b>102.5</b>	127.218	127.459	127.901	129.160	130.204	131.182	131.624	132.655	134.436	135.788
<b>105.0</b>	164.161	165.032	166.237	168.018	169.718	171.030	171.606	172.758	174.632	176.145
<b>107.5</b>	201.386	202.952	204.827	207.130	209.420	210.959	211.629	212.914	214.869	216.516
<b>110.0</b>	243.725	244.622	246.483	248.826	251.089	252.388	252.870	253.955	255.695	257.262
<b>112.5</b>	286.466	287.135	289.773	292.585	295.196	296.736	297.646	299.039	301.007	302.828
<b>115.0</b>	329.166	330.104	333.679	336.692	339.584	341.338	342.543	344.230	346.399	348.421
<b>117.5</b>	372.443	374.063	377.678	381.106	384.306	386.208	387.574	389.528	391.899	394.041
<b>120.0</b>	416.911	419.763	423.352	426.793	429.980	432.336	433.287	435.376	437.746	439.835
<b>122.5</b>	462.357	466.012	469.627	473.256	476.376	478.492	480.232	482.683	485.093	487.155
<b>125.0</b>	508.994	512.730	516.466	520.268	523.094	525.263	527.432	530.177	532.507	534.542
<b>127.5</b>	555.377	559.434	563.639	567.843	570.160	572.382	574.846	577.792	580.028	581.996
<b>130.0</b>	602.122	605.978	610.222	614.280	617.185	619.595	622.367	625.286	627.643	629.544
<b>132.5</b>	649.080	653.338	657.476	661.118	664.331	667.023	669.942	672.781	675.351	677.239
<b>135.0</b>	697.150	701.114	705.345	708.813	711.839	714.785	717.838	720.529	723.047	725.015
<b>137.5</b>	744.564	748.876	753.161	757.392	759.896	762.788	766.497	768.532	770.822	773.072
<b>140.0</b>	791.684	795.915	799.584	803.092	806.386	809.533	812.947	815.973	818.196	820.325
<b>142.5</b>	839.874	842.927	846.449	849.073	852.113	855.179	858.165	861.834	863.200	865.155
<b>145.0</b>	887.824	890.529	892.912	895.670	898.094	901.134	903.771	906.583	908.378	910.038
<b>147.5</b>	932.988	936.537	940.058	942.201	944.464	946.968	949.779	951.828	953.756	954.988
<b>150.0</b>	974.886	977.604	980.670	983.469	986.789	989.816	993.444	995.480	998.131	999.363
<b>152.5</b>	1016.622	1019.019	1021.148	1023.920	1026.277	1029.129	1031.485	1033.587	1035.556	1036.734
<b>155.0</b>	1058.627	1060.113	1062.202	1063.969	1065.978	1068.294	1069.834	1071.990	1073.021	1074.146
<b>157.5</b>	1099.091	1101.823	1102.760	1104.019	1106.027	1106.938	1108.518	1110.071	1110.553	1111.624
<b>160.0</b>	1130.236	1132.205	1134.561	1137.480	1139.288	1141.605	1144.751	1145.407	1146.693	1148.514
<b>162.5</b>	1159.936	1161.676	1163.470	1164.836	1166.537	1168.585	1169.563	1170.353	1171.464	1172.402
<b>165.0</b>	1189.782	1190.358	1191.241	1192.420	1194.375	1194.227	1194.629	1195.299	1196.490	1196.356
<b>167.5</b>	1217.901	1218.383	1219.119	1219.427	1219.280	1219.374	1219.695	1220.244	1220.338	1220.271
<b>170.0</b>	1238.080	1238.642	1239.298	1240.048	1240.865	1241.762	1242.994	1243.087	1243.342	1243.382
<b>172.5</b>	1249.689	1250.117	1250.613	1251.175	1252.005	1251.952	1252.019	1252.139	1252.313	1252.541
<b>175.0</b>	1261.378	1261.244	1261.137	1261.070	1261.030	1261.030	1261.070	1261.137	1261.244	1261.378
<b>177.5</b>	1270.229	1270.162	1270.095	1270.068	1270.041	1270.041	1270.055	1270.082	1270.122	1270.189
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**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>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1350.100	1350.020	1349.966	1349.658	1349.364	1349.083	1348.815	1348.574	1348.333	1348.105
<b>5.0</b>	1343.994	1343.820	1343.673	1343.071	1342.495	1341.946	1341.424	1340.928	1340.459	1340.018
<b>7.5</b>	1337.969	1337.661	1337.380	1336.496	1335.652	1334.836	1334.072	1333.336	1332.653	1332.010
<b>10.0</b>	1332.010	1331.528	1331.086	1329.935	1328.824	1327.766	1326.762	1325.797	1324.726	1322.878
<b>12.5</b>	1310.265	1309.515	1308.980	1307.600	1306.449	1305.485	1304.748	1303.784	1302.258	1300.932
<b>15.0</b>	1288.212	1287.408	1286.859	1285.226	1283.833	1282.695	1281.637	1279.602	1277.821	1276.295
<b>17.5</b>	1266.091	1265.275	1264.752	1262.851	1261.231	1259.892	1257.830	1255.540	1253.545	1251.590
<b>20.0</b>	1243.918	1243.114	1242.632	1240.476	1238.629	1236.995	1234.143	1231.626	1229.309	1226.243
<b>22.5</b>	1208.006	1206.680	1205.917	1203.681	1202.020	1200.253	1198.003	1196.316	1194.160	1192.192
<b>25.0</b>	1171.719	1170.165	1169.215	1166.805	1165.024	1162.734	1160.418	1158.315	1155.597	1153.522
<b>27.5</b>	1135.472	1133.664	1132.499	1129.942	1128.054	1125.336	1122.966	1120.087	1117.235	1114.584
<b>30.0</b>	1099.265	1097.177	1095.784	1093.106	1091.111	1088.058	1085.594	1082.019	1078.685	1075.820
<b>32.5</b>	1052.949	1050.794	1049.200	1046.777	1044.956	1042.251	1039.961	1037.189	1034.886	1032.784
<b>35.0</b>	1006.299	1004.304	1002.630	1000.394	998.492	995.694	993.029	990.472	987.874	985.450
<b>37.5</b>	959.675	957.813	956.046	954.078	952.069	949.204	946.378	943.995	941.143	938.358
<b>40.0</b>	913.091	911.323	909.462	907.802	905.686	902.781	899.969	897.438	894.680	891.533
<b>42.5</b>	865.155	863.601	861.807	860.415	858.353	855.688	853.090	850.439	847.855	844.869
<b>45.0</b>	817.138	815.853	814.152	813.041	811.059	808.569	806.239	803.413	800.682	798.057

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**CANDELA TABULATION - (Cont.)**

47.5	769.108	768.091	766.484	765.721	763.873	761.583	759.588	756.589	753.897	751.313
50.0	721.065	720.302	718.829	718.414	716.767	714.745	712.924	709.965	707.514	704.742
52.5	672.312	671.736	670.357	669.888	668.215	666.300	664.506	662.269	660.181	657.596
55.0	623.519	623.157	621.885	621.336	619.649	617.734	615.967	614.253	612.204	609.754
57.5	574.712	574.565	573.413	572.797	571.110	569.209	567.669	566.317	564.308	562.380
60.0	525.892	525.959	524.942	524.245	522.612	520.724	519.586	518.501	516.613	515.287
62.5	473.256	473.149	472.172	471.917	470.538	469.065	468.436	467.686	466.521	465.610
65.0	420.473	420.299	419.402	419.576	418.371	417.179	416.737	416.067	415.144	414.126
67.5	367.716	367.448	366.632	367.248	366.216	365.373	365.092	364.610	363.846	362.976
70.0	314.960	314.585	313.862	314.933	314.089	313.621	313.460	313.286	312.616	312.161
72.5	268.188	267.706	266.876	267.505	266.715	266.421	266.180	266.019	264.908	264.332
75.0	221.604	220.881	219.877	220.091	219.502	219.556	219.489	219.676	218.391	218.083
77.5	175.021	174.043	172.892	172.664	172.289	172.718	172.825	173.387	171.901	171.914
80.0	128.450	127.218	125.893	125.223	125.089	125.893	126.174	127.165	125.451	125.839
82.5	98.001	97.011	95.913	95.618	95.591	96.234	96.328	96.984	95.256	95.243
85.0	67.780	66.883	65.932	66.066	66.361	67.151	67.606	68.450	67.619	68.115
87.5	37.559	36.729	35.939	36.528	37.117	38.081	38.885	39.929	40.116	41.027
90.0	7.338	6.588	5.959	6.976	7.887	8.998	10.150	11.395	12.600	13.926
92.5	29.498	29.030	28.909	30.087	31.159	32.337	33.529	34.787	35.992	37.412
95.0	51.645	51.458	51.846	53.198	54.417	55.662	56.921	58.180	59.385	60.898
97.5	73.819	73.899	74.797	76.310	77.689	78.988	80.300	81.532	82.750	84.303
100.0	95.645	96.274	97.734	99.327	100.599	101.496	104.670	106.517	108.405	110.762
102.5	136.873	137.274	138.560	140.716	142.296	143.983	145.656	147.357	148.937	150.852
105.0	177.484	178.127	179.372	181.957	183.403	185.077	186.643	188.210	189.522	191.008
107.5	218.123	218.993	220.199	223.077	224.524	226.170	227.643	229.076	230.161	231.259
110.0	257.650	259.565	261.011	263.957	264.479	267.546	269.139	270.706	271.911	273.022
112.5	304.502	305.587	306.644	309.671	311.545	313.112	314.518	315.843	316.821	317.624
115.0	350.095	351.273	352.278	355.063	357.272	358.718	359.937	361.048	361.851	362.387
117.5	395.701	396.973	397.911	400.455	402.972	404.351	405.396	406.360	407.002	407.324
120.0	439.620	442.232	443.544	445.418	446.905	450.158	451.096	452.020	452.662	452.890
122.5	488.829	490.208	491.252	493.957	496.233	497.372	497.974	498.630	499.246	499.059
125.0	536.269	537.742	538.974	542.000	543.848	544.665	544.973	545.361	545.830	545.442
127.5	583.750	585.290	586.683	590.017	591.543	592.025	592.119	592.186	592.441	592.119
130.0	631.258	632.343	634.391	637.485	639.292	639.466	639.386	639.024	639.011	638.716
132.5	678.860	680.413	681.953	685.153	686.545	686.786	686.586	685.916	685.541	685.300
135.0	726.488	727.974	729.501	732.339	733.799	734.214	733.772	733.022	732.433	731.991
137.5	774.156	775.549	777.062	779.526	781.065	781.722	781.079	780.383	779.726	778.789
140.0	821.731	822.615	824.610	826.230	828.225	828.734	827.930	827.100	825.801	824.355
142.5	866.614	867.793	869.239	871.180	872.760	872.974	872.292	871.635	870.136	868.917
145.0	911.551	912.502	913.881	915.635	917.376	917.322	916.853	915.983	914.738	913.573
147.5	956.541	957.224	958.510	960.103	962.071	961.764	961.643	960.505	959.621	958.603
150.0	999.885	1001.518	1003.139	1004.143	1005.161	1005.669	1005.428	1003.514	1001.947	1000.166
152.5	1038.234	1038.783	1039.988	1041.113	1042.894	1042.532	1042.251	1041.086	1039.733	1038.328
155.0	1075.204	1075.712	1076.851	1077.761	1079.274	1079.462	1079.127	1078.846	1077.467	1076.676
157.5	1112.187	1112.655	1113.700	1114.410	1115.695	1116.472	1116.083	1116.244	1115.414	1114.584
160.0	1148.139	1149.344	1150.549	1150.844	1151.125	1152.718	1151.660	1150.937	1150.375	1148.367
162.5	1172.696	1173.285	1174.169	1174.517	1175.147	1176.057	1175.856	1175.227	1174.906	1174.410
165.0	1196.571	1197.053	1197.802	1198.030	1198.525	1199.275	1200.065	1199.530	1199.262	1199.249
167.5	1220.432	1220.820	1221.422	1221.570	1221.945	1222.534	1223.337	1223.833	1223.618	1223.618
170.0	1243.931	1244.493	1245.042	1245.042	1245.042	1245.056	1245.551	1245.819	1245.953	1245.230
172.5	1252.822	1253.143	1253.518	1253.518	1253.558	1253.652	1253.799	1253.973	1254.201	1254.482
175.0	1261.552	1261.766	1262.007	1261.981	1261.994	1262.034	1262.115	1262.222	1262.356	1262.516
177.5	1270.269	1270.363	1270.483	1270.457	1270.457	1270.470	1270.497	1270.537	1270.604	1270.684
180.0	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

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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	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
2.5	1347.904	1347.703	1347.529	1347.369	1347.235	1347.101	1346.994	1346.900	1346.833	1346.780
5.0	1339.616	1339.241	1338.893	1338.585	1338.290	1337.661	1337.072	1336.523	1336.027	1335.586
7.5	1331.274	1330.042	1328.864	1327.752	1326.708	1325.730	1324.833	1324.003	1323.253	1322.504
10.0	1321.111	1319.437	1317.830	1316.331	1314.818	1313.211	1311.577	1310.051	1308.631	1307.306
12.5	1299.834	1298.964	1298.053	1297.129	1296.447	1296.018	1295.844	1295.590	1292.791	1290.180
15.0	1274.942	1273.228	1271.796	1270.671	1269.439	1268.247	1266.828	1265.690	1264.846	1264.217
17.5	1249.233	1247.212	1245.524	1243.315	1241.079	1239.151	1236.995	1235.482	1233.714	1232.349
20.0	1223.525	1221.168	1218.021	1215.223	1212.772	1209.653	1206.720	1204.216	1201.793	1198.914
22.5	1190.786	1188.871	1187.519	1186.381	1183.060	1179.244	1175.588	1171.277	1167.501	1164.046
25.0	1151.178	1149.224	1147.255	1144.497	1142.421	1140.038	1137.815	1135.204	1132.660	1128.027
27.5	1111.999	1109.629	1105.867	1102.854	1099.480	1096.507	1093.869	1091.258	1089.223	1087.281
30.0	1073.222	1068.776	1064.719	1060.635	1056.926	1053.458	1050.245	1047.312	1044.085	1041.688
32.5	1030.146	1026.625	1023.438	1018.992	1014.935	1011.159	1007.209	1002.831	999.336	996.685
35.0	982.090	978.782	975.301	972.422	969.905	967.401	963.625	959.179	955.885	952.417
37.5	934.930	931.315	927.257	924.620	921.687	917.603	914.631	913.118	911.189	906.650
40.0	888.440	884.584	880.875	877.380	872.921	869.011	866.601	864.057	860.522	857.737
42.5	841.695	838.308	834.210	829.859	825.172	821.784	818.973	815.210	811.715	808.863
45.0	794.442	790.787	787.024	782.217	778.267	775.294	771.679	767.903	763.993	759.856
47.5	747.724	743.881	739.757	734.308	731.938	728.510	724.961	720.904	716.686	712.134
50.0	701.355	697.686	693.200	689.344	686.720	682.261	678.378	674.468	669.728	666.179
52.5	654.650	651.678	647.447	644.648	641.153	636.735	633.374	628.727	624.336	620.091
55.0	606.808	603.635	600.448	598.680	595.119	592.226	589.173	583.442	580.242	576.225
57.5	559.274	556.368	553.810	551.601	548.200	546.098	542.831	539.322	536.604	532.828
60.0	512.007	509.824	507.401	505.245	502.915	500.250	496.956	492.685	489.097	486.204
62.5	463.441	462.718	461.004	459.933	457.670	454.858	451.270	446.101	441.870	437.117
65.0	412.599	411.662	410.618	410.377	408.743	407.645	404.740	399.691	393.907	387.935
67.5	361.892	360.994	360.553	359.722	357.647	356.482	353.710	350.483	345.114	341.780
70.0	311.277	310.782	310.568	309.014	306.859	305.546	304.087	301.998	298.195	297.673
72.5	263.167	262.886	262.096	259.485	256.338	255.521	255.521	254.772	253.874	254.089
75.0	217.213	217.748	217.213	215.619	213.704	212.687	212.098	211.549	211.508	211.723
77.5	171.432	172.825	172.637	172.410	171.606	171.660	171.593	171.968	172.423	173.200
80.0	125.826	128.049	128.290	129.696	129.910	130.968	131.530	132.815	133.833	135.520
82.5	94.774	96.180	95.658	96.555	96.033	96.475	96.167	96.729	96.756	98.229
85.0	68.289	69.789	69.882	70.833	70.686	71.650	71.891	72.909	73.431	74.716
87.5	41.884	43.357	44.187	45.111	45.419	46.892	47.735	49.141	50.253	51.806
90.0	15.479	16.898	18.518	19.375	20.192	22.107	23.607	25.361	27.101	28.842
92.5	38.764	40.170	41.723	42.486	43.129	44.897	46.142	47.615	48.994	50.454
95.0	62.036	63.428	64.901	65.584	66.066	67.619	68.651	69.842	70.873	72.025
97.5	85.294	86.633	88.066	88.695	89.030	90.369	91.213	92.110	92.833	94.185
100.0	112.489	114.699	117.029	118.649	120.068	122.304	124.152	125.879	127.567	129.548
102.5	152.311	154.132	156.007	157.225	158.404	160.077	161.470	162.541	163.639	165.152
105.0	192.213	193.646	195.119	195.976	196.846	198.105	199.083	199.605	200.087	201.078
107.5	232.196	233.294	234.405	234.968	235.383	237.016	238.262	238.971	239.654	240.779
110.0	274.080	275.231	276.544	277.374	277.816	279.007	280.012	280.266	280.601	281.311
112.5	318.347	319.017	320.088	320.731	320.543	321.360	322.043	322.096	322.150	322.552
115.0	362.842	363.043	363.940	364.329	363.860	364.101	364.570	364.570	364.141	363.940
117.5	407.618	407.337	407.886	408.154	407.725	407.431	407.565	407.458	406.748	406.119
120.0	452.903	452.395	452.515	452.569	452.127	451.511	451.323	450.881	450.185	449.449
122.5	498.670	497.974	497.586	497.626	496.662	496.233	495.738	495.202	494.546	493.100
125.0	544.812	543.996	543.139	543.112	542.201	541.465	540.608	538.693	537.716	536.028
127.5	591.383	590.459	589.106	588.249	587.125	585.585	584.473	583.134	581.742	579.546
130.0	637.913	636.467	634.659	633.133	632.155	630.267	628.942	628.031	626.732	625.460

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**CANDELA TABULATION - (Cont.)**

132.5	684.363	682.850	681.082	678.284	677.440	675.874	674.334	673.437	672.459	669.969
135.0	731.000	729.835	728.295	725.778	723.783	722.364	719.820	717.463	715.521	713.299
137.5	777.999	777.370	775.147	772.362	769.322	766.644	764.248	761.677	759.561	757.861
140.0	823.150	821.543	819.575	817.272	814.460	812.130	809.586	807.310	805.154	803.454
142.5	867.538	865.998	864.097	862.262	860.227	858.045	856.224	854.041	852.180	849.274
145.0	912.287	911.189	909.583	908.163	906.101	904.481	902.727	899.380	895.376	891.814
147.5	957.613	956.434	955.269	952.524	949.592	946.606	943.968	941.210	938.679	935.332
150.0	998.666	996.323	994.382	991.891	989.534	987.285	985.343	983.844	981.634	979.987
152.5	1036.654	1035.328	1033.333	1031.954	1029.798	1027.910	1026.451	1025.473	1025.259	1024.201
155.0	1075.190	1073.958	1072.887	1071.454	1070.611	1069.205	1067.812	1066.045	1065.295	1062.684
157.5	1114.276	1112.950	1112.147	1111.624	1109.455	1106.831	1104.300	1101.100	1098.449	1096.159
160.0	1146.706	1145.354	1142.930	1140.895	1139.235	1137.052	1135.003	1133.343	1131.750	1129.902
162.5	1172.884	1171.665	1170.755	1169.295	1167.836	1166.724	1165.479	1164.568	1163.417	1162.614
165.0	1199.302	1198.191	1197.361	1196.812	1196.182	1195.673	1195.017	1194.683	1194.642	1194.776
167.5	1223.846	1224.301	1224.261	1223.766	1223.498	1223.471	1223.685	1223.792	1221.837	1219.949
170.0	1244.587	1243.998	1243.503	1243.074	1242.659	1241.400	1240.128	1238.963	1237.905	1236.968
172.5	1254.643	1254.201	1253.813	1253.478	1253.210	1252.996	1252.849	1252.755	1252.715	1252.568
175.0	1262.717	1262.945	1263.199	1263.480	1263.788	1263.654	1263.547	1263.480	1263.467	1263.480
177.5	1270.765	1270.872	1271.006	1271.139	1271.287	1271.447	1271.635	1271.822	1272.023	1272.237
180.0	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**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	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
2.5	1346.739	1346.713	1346.713	1346.726	1346.753	1346.806	1346.873	1346.967	1347.061	1347.181
5.0	1335.197	1334.849	1334.555	1334.327	1334.139	1334.006	1333.925	1333.912	1333.939	1334.019
7.5	1321.593	1320.776	1320.040	1319.397	1318.835	1318.379	1318.004	1317.723	1317.549	1317.455
10.0	1306.101	1305.003	1303.691	1302.204	1300.892	1299.727	1298.736	1297.906	1297.237	1296.755
12.5	1287.743	1285.494	1283.431	1281.584	1279.656	1277.808	1276.174	1274.768	1273.576	1272.612
15.0	1263.413	1262.985	1261.552	1258.807	1256.290	1253.813	1251.121	1248.738	1246.689	1244.962
17.5	1231.398	1230.233	1229.055	1228.332	1228.064	1226.002	1222.681	1219.320	1216.388	1213.897
20.0	1196.530	1194.629	1192.982	1191.335	1190.224	1189.635	1189.608	1187.345	1183.529	1180.221
22.5	1160.632	1157.565	1155.048	1152.973	1151.085	1149.799	1149.090	1148.996	1148.929	1144.805
25.0	1123.957	1120.033	1116.619	1113.780	1111.357	1109.295	1107.902	1107.206	1107.179	1107.447
27.5	1085.942	1081.216	1078.056	1074.240	1071.079	1067.973	1065.322	1063.621	1062.858	1062.671
30.0	1039.854	1038.542	1037.819	1033.440	1028.432	1023.505	1021.148	1018.510	1016.555	1015.337
32.5	994.609	991.315	988.423	986.481	986.562	981.487	977.216	973.091	969.811	967.441
35.0	947.597	943.540	940.902	939.041	937.260	935.881	932.667	927.539	923.388	920.362
37.5	901.776	898.067	894.613	890.743	886.485	885.856	884.557	882.254	877.152	873.215
40.0	855.983	852.501	847.172	843.075	839.834	837.049	834.666	833.206	831.599	827.475
42.5	805.422	802.168	800.521	796.290	792.983	789.113	786.475	784.868	784.078	782.043
45.0	755.839	753.442	751.420	749.184	747.537	743.614	740.373	737.615	735.620	734.950
47.5	708.974	706.055	702.801	700.672	699.520	698.824	695.584	691.928	689.344	687.670
50.0	663.341	659.337	656.472	653.566	652.441	651.049	650.098	647.259	642.867	639.948
52.5	617.038	614.039	611.521	609.218	606.326	603.635	601.760	600.100	597.743	594.449
55.0	572.369	569.624	566.357	563.732	560.572	557.854	555.404	553.676	552.833	550.195
57.5	529.146	524.848	520.469	516.733	514.738	514.390	511.364	508.927	506.999	506.383
60.0	484.343	479.991	475.104	471.221	468.891	467.927	467.739	466.253	463.589	462.102
62.5	434.532	431.988	429.431	426.364	424.517	423.057	422.347	422.548	421.450	418.986
65.0	387.239	384.708	382.566	381.160	380.758	379.151	379.232	378.401	377.692	376.781
67.5	341.231	339.142	337.830	336.959	336.410	336.611	337.468	335.540	334.656	333.398
70.0	296.789	295.477	294.674	294.232	294.285	293.817	294.406	294.218	293.067	290.523
72.5	253.580	252.616	252.080	252.348	252.884	253.540	253.607	252.549	250.607	250.982
75.0	211.964	210.571	210.651	210.826	212.352	213.329	213.182	212.499	211.549	211.616
77.5	172.905	171.593	170.977	170.816	173.039	173.561	174.097	173.320	173.802	174.512

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**CANDELA TABULATION - (Cont.)**

80.0	135.386	135.212	135.011	136.190	137.140	137.221	136.725	136.578	138.212	139.310
82.5	98.550	99.394	99.769	102.126	103.384	104.509	104.268	104.991	105.942	106.986
85.0	74.194	74.140	73.498	74.783	74.703	74.730	73.431	75.064	76.711	78.894
87.5	52.408	53.118	53.547	55.341	55.997	56.787	56.492	57.456	57.979	58.769
90.0	30.784	32.190	33.783	35.858	37.492	38.992	40.304	41.884	43.638	44.856
92.5	52.114	53.225	54.390	55.943	57.162	58.113	59.050	60.161	61.139	61.929
95.0	73.404	74.274	75.038	76.042	76.872	77.354	77.930	79.938	81.706	83.500
97.5	96.823	98.939	100.773	102.849	104.643	106.183	107.441	108.754	109.785	110.856
100.0	131.450	132.815	133.887	135.319	136.538	137.368	138.051	138.961	140.555	141.613
102.5	166.558	167.254	167.616	168.192	170.281	171.258	172.530	172.932	174.311	174.432
105.0	202.992	203.970	204.613	205.429	207.291	207.880	208.576	208.857	209.379	210.277
107.5	241.864	243.109	243.390	243.859	245.010	245.840	245.934	245.867	246.041	247.394
110.0	282.087	282.824	283.239	283.105	283.506	284.055	284.832	284.805	284.578	284.082
112.5	322.927	323.061	323.355	322.886	323.181	324.132	325.176	324.533	323.435	323.315
115.0	364.021	364.087	364.128	363.954	364.061	364.262	364.128	364.021	364.168	363.954
117.5	405.878	405.998	406.400	405.784	404.619	404.016	403.963	404.740	404.579	402.865
120.0	448.819	448.431	447.748	446.945	446.115	445.592	445.753	444.655	443.316	442.606
122.5	491.306	490.061	489.364	489.110	488.815	488.909	486.405	484.477	483.473	483.647
125.0	534.341	533.002	532.333	532.226	531.583	529.293	527.271	525.906	525.517	524.111
127.5	578.582	577.270	575.342	574.230	572.382	570.976	569.731	568.888	567.200	564.710
130.0	624.349	621.055	618.190	615.190	614.614	613.851	613.543	611.468	608.589	607.170
132.5	667.224	664.546	661.546	659.417	658.226	657.891	655.440	652.629	650.633	649.763
135.0	711.330	709.041	707.072	704.823	703.082	699.614	696.896	694.941	693.749	693.522
137.5	756.120	754.821	753.362	749.278	746.091	742.355	740.012	738.726	738.325	737.053
140.0	802.195	800.119	796.705	793.371	790.385	787.854	785.524	784.065	782.779	779.298
142.5	845.699	842.552	839.888	837.303	834.023	833.554	832.604	830.783	826.270	822.963
145.0	888.601	886.097	883.887	882.374	881.129	880.205	877.527	873.390	870.109	867.779
147.5	932.547	930.310	928.797	927.900	927.432	923.415	919.639	916.264	913.814	912.341
150.0	977.791	975.810	974.430	971.270	967.240	963.022	960.880	958.630	957.171	956.541
152.5	1023.197	1018.698	1015.096	1010.824	1007.249	1004.370	1002.175	1000.648	999.845	999.711
155.0	1060.394	1056.846	1053.525	1050.700	1048.102	1045.665	1043.925	1042.894	1042.599	1042.880
157.5	1094.244	1092.503	1091.111	1089.692	1087.790	1086.398	1085.554	1085.259	1084.791	1081.095
160.0	1128.549	1127.706	1127.063	1126.286	1125.871	1125.845	1126.219	1124.372	1120.904	1117.918
162.5	1162.158	1161.716	1161.449	1161.623	1162.252	1161.154	1158.757	1156.052	1153.776	1151.915
165.0	1194.401	1194.348	1193.303	1191.000	1188.978	1187.117	1185.283	1183.743	1182.498	1181.547
167.5	1218.222	1216.656	1215.250	1214.018	1212.545	1211.085	1209.867	1208.876	1208.140	1207.631
170.0	1236.138	1235.428	1234.571	1233.607	1232.764	1232.081	1231.532	1231.130	1230.889	1230.782
172.5	1251.952	1251.416	1250.988	1250.626	1250.372	1250.211	1250.131	1250.157	1250.264	1250.465
175.0	1263.534	1263.628	1263.762	1263.949	1264.163	1264.418	1264.712	1265.047	1265.409	1265.824
177.5	1272.478	1272.719	1272.961	1273.228	1273.509	1273.791	1274.085	1274.380	1274.688	1275.009
180.0	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**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	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
2.5	1347.329	1347.476	1347.396	1347.663	1347.931	1348.199	1348.467	1348.735	1349.002	1348.547
5.0	1334.153	1334.354	1334.595	1334.889	1334.862	1335.425	1335.974	1336.536	1337.099	1336.228
7.5	1317.469	1317.576	1317.763	1318.071	1318.460	1318.527	1319.343	1320.160	1320.977	1319.625
10.0	1296.433	1296.286	1296.299	1296.500	1296.862	1296.661	1297.759	1298.870	1299.982	1298.268
12.5	1271.889	1271.394	1271.139	1271.126	1271.354	1271.822	1272.050	1273.376	1274.701	1272.519
15.0	1243.583	1242.552	1241.856	1241.507	1241.507	1241.869	1241.882	1243.449	1245.029	1242.619
17.5	1211.835	1210.228	1209.063	1208.354	1208.113	1208.327	1208.086	1209.907	1211.728	1208.822
20.0	1177.450	1175.200	1173.486	1172.335	1171.745	1171.732	1171.130	1173.125	1175.120	1172.107
22.5	1141.297	1138.418	1136.182	1134.602	1133.678	1133.437	1132.499	1134.655	1136.811	1133.289
25.0	1103.550	1099.681	1096.507	1094.057	1092.370	1091.459	1091.352	1091.647	1093.668	1090.374



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**CANDELA TABULATION - (Cont.)**

27.5	1063.581	1058.252	1054.128	1051.048	1048.999	1047.995	1048.009	1048.544	1051.048	1047.272
30.0	1014.560	1014.065	1009.178	1005.348	1002.616	1000.996	1000.528	1000.635	1003.125	999.724
32.5	966.075	965.847	964.120	960.036	957.211	955.658	955.363	955.711	958.550	954.225
35.0	918.460	917.577	917.965	914.256	910.774	908.645	907.909	907.869	910.721	906.624
37.5	870.497	869.466	869.868	869.493	865.717	863.320	862.356	862.115	864.887	859.852
40.0	824.663	822.923	822.253	823.003	819.214	816.013	814.500	813.844	816.696	812.130
42.5	777.838	774.960	773.393	773.058	771.318	767.809	766.270	765.734	769.055	764.408
45.0	732.594	726.930	725.925	725.109	725.751	721.734	719.405	717.878	720.409	716.017
47.5	687.054	683.292	680.051	678.605	679.114	676.597	674.294	673.155	676.289	671.388
50.0	638.757	638.127	634.177	632.517	632.985	632.597	629.772	627.964	630.763	626.170
52.5	592.146	591.383	589.816	587.915	587.982	589.267	585.598	583.001	585.424	580.456
55.0	547.102	546.125	546.807	544.424	543.420	544.531	540.755	536.618	538.077	534.154
57.5	503.343	502.460	502.219	501.589	499.045	498.818	496.595	492.551	494.560	490.569
60.0	461.928	459.746	458.072	458.018	454.885	453.707	452.997	448.779	451.163	446.583
62.5	417.741	418.183	414.273	412.385	412.104	410.162	410.109	408.074	409.694	406.320
65.0	374.425	372.952	372.724	370.997	371.653	369.055	369.162	366.725	367.073	364.288
67.5	333.063	330.961	331.148	330.505	330.010	329.126	327.479	326.020	327.305	323.971
70.0	290.483	290.884	290.068	291.795	290.402	289.371	285.984	284.524	284.832	282.449
72.5	250.647	250.674	251.585	251.062	248.974	247.849	245.198	243.497	244.408	242.587
75.0	212.218	212.955	212.593	212.365	210.491	208.817	207.210	206.795	205.162	203.608
77.5	175.061	175.355	175.195	173.695	173.454	172.932	172.369	170.535	170.615	167.214
80.0	140.113	138.881	139.109	139.497	139.283	139.149	138.787	137.167	135.105	132.748
82.5	107.575	107.401	106.825	106.384	107.964	108.205	107.482	105.299	102.581	101.496
85.0	79.496	79.537	79.336	79.456	80.327	80.568	79.577	78.425	74.475	73.779
87.5	58.380	57.671	56.907	57.470	58.568	58.019	58.180	58.595	53.091	54.176
90.0	46.129	47.093	47.829	48.566	49.061	49.275	49.664	49.784	48.579	49.985
92.5	62.451	62.839	62.625	63.415	64.018	64.138	63.763	63.616	58.621	61.500
95.0	84.732	85.348	85.790	86.312	86.941	86.446	85.522	83.380	81.465	83.259
97.5	111.954	112.530	112.918	113.145	113.387	112.610	111.740	110.213	111.164	110.816
100.0	142.911	142.590	143.126	143.166	142.925	142.242	141.425	139.792	139.658	139.698
102.5	175.717	176.386	176.802	175.771	175.677	175.128	173.400	172.825	172.383	171.780
105.0	210.852	211.361	211.776	212.057	210.464	209.165	207.465	207.090	206.099	206.996
107.5	247.220	247.434	248.398	247.849	245.787	245.894	244.434	243.296	242.667	243.993
110.0	284.363	285.140	284.658	286.091	284.551	284.189	282.489	281.833	282.382	282.101
112.5	323.556	322.578	323.074	322.712	322.538	321.641	320.905	319.807	320.570	319.927
115.0	362.307	362.347	362.588	360.352	360.981	359.039	359.267	357.459	358.437	356.964
117.5	402.115	403.026	401.071	400.455	399.424	397.040	397.094	394.791	395.674	394.510
120.0	442.914	441.428	440.678	441.696	438.683	436.996	436.126	433.033	436.045	432.537
122.5	480.996	480.527	480.942	480.929	478.518	478.036	476.630	474.100	477.220	473.618
125.0	521.942	520.951	521.233	519.318	518.662	519.760	517.939	516.466	519.974	515.421
127.5	563.411	563.438	562.166	559.849	559.608	560.787	558.001	556.261	559.140	555.364
130.0	606.661	606.647	602.938	601.251	601.425	600.997	598.801	597.569	600.635	596.150
132.5	650.446	648.076	645.344	643.992	644.367	642.305	640.404	639.386	642.559	638.690
135.0	691.848	687.791	688.032	687.925	688.755	685.702	684.577	684.470	688.125	683.801
137.5	733.785	731.777	731.255	732.165	731.630	728.938	727.921	727.760	730.920	727.104
140.0	776.807	775.442	775.361	776.633	773.567	770.969	769.885	769.537	772.389	769.014
142.5	820.887	820.204	820.686	820.245	816.562	814.366	813.643	813.684	816.603	813.121
145.0	866.400	866.012	866.869	863.414	860.026	857.844	856.933	856.652	859.143	856.143
147.5	911.698	911.939	910.667	906.998	904.361	902.848	902.486	902.687	905.432	902.392
150.0	956.434	956.675	953.020	950.315	948.601	947.905	948.253	949.123	952.136	948.869
152.5	1000.273	996.792	993.819	991.757	990.619	990.418	991.128	992.306	995.252	992.052
155.0	1039.412	1036.078	1033.454	1031.566	1030.441	1030.093	1030.548	1031.392	1033.909	1031.177
157.5	1077.815	1075.177	1073.182	1071.843	1071.173	1071.200	1070.490	1072.994	1075.512	1072.686
160.0	1115.441	1113.486	1112.066	1111.196	1110.888	1111.156	1110.808	1113.191	1115.588	1112.937
162.5	1150.469	1149.465	1148.902	1148.768	1149.090	1149.853	1150.188	1152.504	1154.821	1152.236
165.0	1180.904	1180.570	1180.543	1180.837	1181.440	1182.364	1182.980	1185.002	1187.023	1184.881

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**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	1207.363	1207.336	1207.550	1208.006	1208.702	1209.626	1210.335	1212.063	1213.790	1211.982
<b>170.0</b>	1230.836	1231.036	1231.398	1231.907	1232.563	1232.710	1234.049	1235.402	1236.754	1235.321
<b>172.5</b>	1250.760	1251.148	1251.630	1252.206	1252.876	1253.250	1254.295	1255.353	1256.410	1255.353
<b>175.0</b>	1266.266	1266.734	1267.256	1267.805	1268.167	1268.863	1269.573	1270.296	1271.006	1270.309
<b>177.5</b>	1275.331	1275.665	1275.973	1276.321	1276.683	1277.031	1277.393	1277.754	1278.116	1277.781
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Horizontal Angles**  
**Angles**

	<b>275.0</b>	<b>277.5</b>	<b>280.0</b>	<b>282.5</b>	<b>285.0</b>	<b>287.5</b>	<b>290.0</b>	<b>292.5</b>	<b>295.0</b>	<b>297.5</b>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1348.092	1347.650	1347.195	1346.753	1346.311	1346.217	1345.896	1345.588	1345.293	1345.039
<b>5.0</b>	1335.358	1334.488	1333.631	1333.336	1332.733	1332.171	1331.676	1331.234	1330.832	1330.497
<b>7.5</b>	1318.286	1316.947	1316.357	1315.447	1314.657	1313.974	1313.398	1312.930	1312.582	1312.340
<b>10.0</b>	1296.554	1294.853	1294.425	1293.447	1292.630	1291.974	1291.492	1291.171	1290.997	1290.997
<b>12.5</b>	1270.323	1269.251	1267.953	1266.908	1266.132	1265.623	1265.382	1265.422	1265.717	1266.279
<b>15.0</b>	1240.209	1239.325	1238.106	1237.209	1236.633	1236.392	1236.446	1236.808	1237.477	1238.428
<b>17.5</b>	1205.917	1205.100	1203.841	1203.065	1202.784	1202.998	1203.707	1204.899	1206.586	1208.769
<b>20.0</b>	1169.108	1168.666	1167.621	1167.113	1167.113	1167.635	1168.626	1170.099	1172.027	1174.397
<b>22.5</b>	1129.768	1129.406	1128.389	1128.094	1128.536	1129.714	1131.629	1134.280	1137.440	1136.851
<b>25.0</b>	1088.794	1087.589	1087.147	1087.442	1088.433	1090.080	1092.343	1094.592	1092.892	1092.262
<b>27.5</b>	1045.438	1044.125	1043.817	1044.527	1046.254	1048.986	1052.240	1050.914	1049.856	1049.066
<b>30.0</b>	998.666	998.117	998.613	1000.099	1002.496	1005.763	1004.424	1003.406	1003.380	1004.183
<b>32.5</b>	952.444	951.400	951.748	953.542	956.796	957.760	957.077	956.970	957.278	958.630
<b>35.0</b>	905.365	904.762	905.445	907.373	909.435	907.414	906.664	907.628	909.717	912.743
<b>37.5</b>	857.964	856.973	857.696	860.174	860.080	859.343	859.692	860.589	862.718	866.038
<b>40.0</b>	810.965	810.523	811.555	813.068	810.805	809.921	810.831	813.362	816.924	817.540
<b>42.5</b>	763.538	763.551	765.386	765.332	764.141	764.542	765.747	768.077	768.010	767.689
<b>45.0</b>	715.762	716.419	718.963	717.182	716.566	715.749	720.047	721.507	720.998	720.610
<b>47.5</b>	670.732	671.174	671.950	670.169	670.437	672.473	674.361	672.794	672.968	674.548
<b>50.0</b>	626.183	627.174	626.143	624.362	624.483	627.040	626.344	626.237	626.813	628.701
<b>52.5</b>	580.657	582.157	580.269	579.720	581.019	580.791	579.385	579.733	581.729	582.719
<b>55.0</b>	535.761	537.180	535.011	535.172	536.952	535.238	534.930	535.908	536.216	535.734
<b>57.5</b>	492.457	492.565	491.025	491.975	491.440	490.770	490.677	492.029	490.623	490.569
<b>60.0</b>	448.645	447.922	447.628	448.619	446.623	447.092	448.364	446.771	446.262	447.012
<b>62.5</b>	406.467	404.632	405.275	404.365	403.334	404.030	402.838	402.597	403.039	402.892
<b>65.0</b>	364.529	362.668	363.431	360.874	361.235	360.191	359.521	360.405	359.495	359.080
<b>67.5</b>	322.900	321.708	320.570	319.258	318.454	317.584	317.745	317.276	316.995	316.901
<b>70.0</b>	281.471	281.645	279.088	278.699	277.186	277.441	276.062	275.419	275.968	275.513
<b>72.5</b>	241.221	240.618	238.837	238.409	238.570	237.070	236.200	235.597	234.861	234.579
<b>75.0</b>	202.296	201.305	200.381	199.939	199.203	198.614	198.212	196.646	195.681	195.119
<b>77.5</b>	165.862	165.393	163.733	162.501	162.461	161.872	161.082	159.435	158.966	157.922
<b>80.0</b>	131.343	130.901	129.856	128.839	128.116	127.205	127.111	125.987	124.406	122.813
<b>82.5</b>	100.412	100.264	99.555	98.470	97.640	96.823	95.765	94.855	94.132	93.288
<b>85.0</b>	73.712	73.806	73.337	72.092	71.221	70.739	70.204	69.253	67.539	65.745
<b>87.5</b>	54.042	53.600	53.627	52.556	51.659	52.609	53.011	53.667	53.480	53.212
<b>90.0</b>	49.704	49.677	49.717	49.168	48.673	47.963	46.932	46.062	44.669	43.223
<b>92.5</b>	62.411	63.254	63.067	62.397	62.438	63.295	63.750	63.335	62.076	61.514
<b>95.0</b>	84.143	84.558	84.236	84.464	84.852	85.348	85.227	84.170	82.308	81.184
<b>97.5</b>	110.628	110.990	111.043	110.186	111.083	111.699	110.990	109.945	109.343	108.861
<b>100.0</b>	139.765	139.832	140.662	141.117	141.157	141.559	141.787	140.140	139.296	138.078
<b>102.5</b>	171.566	172.155	173.173	173.869	174.324	174.472	173.883	172.744	172.597	172.557
<b>105.0</b>	205.844	206.206	207.759	209.353	209.179	208.924	207.799	207.143	207.692	208.871
<b>107.5</b>	243.243	243.444	243.899	244.783	245.760	244.060	243.470	243.336	243.551	244.689
<b>110.0</b>	281.940	281.766	280.855	281.806	280.828	281.726	280.989	280.520	281.444	282.462
<b>112.5</b>	320.329	319.124	318.896	318.548	318.053	318.294	320.396	319.941	320.075	321.306

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**CANDELA TABULATION - (Cont.)**

115.0	358.249	356.991	358.276	356.201	356.549	356.763	357.995	359.749	359.535	359.227
117.5	396.478	395.594	397.067	396.612	396.023	397.830	397.696	398.232	398.714	398.406
120.0	435.121	435.269	435.965	437.840	436.460	437.465	439.219	437.960	437.425	437.706
122.5	475.506	475.948	475.412	477.046	477.273	477.246	477.501	478.706	477.353	478.117
125.0	515.863	516.827	515.743	516.774	519.037	517.175	516.854	518.635	519.813	520.282
127.5	556.060	557.613	556.006	555.658	557.024	558.216	558.109	559.448	562.688	564.777
130.0	596.096	597.234	597.341	597.100	598.506	601.385	601.224	602.175	604.197	606.995
132.5	639.024	640.229	641.568	640.363	640.778	642.814	645.465	645.559	646.094	647.099
135.0	683.252	683.707	686.077	684.711	684.577	684.390	687.818	688.701	688.152	688.969
137.5	726.649	727.050	729.179	729.300	727.961	727.880	729.166	731.683	732.446	732.995
140.0	768.827	769.376	771.411	773.862	771.947	771.344	772.241	774.638	778.254	779.593
142.5	812.532	812.693	814.353	817.500	817.540	816.817	817.419	819.414	822.601	826.940
145.0	855.942	856.411	858.192	861.258	864.499	863.534	863.802	864.994	867.203	870.430
147.5	901.897	901.977	903.222	905.592	909.020	910.065	909.650	910.051	911.015	912.810
150.0	947.771	947.168	947.610	949.056	951.493	954.868	954.225	953.823	954.064	955.149
152.5	990.619	989.668	989.628	990.525	992.360	995.131	999.055	997.448	997.167	997.528
155.0	1030.106	1029.423	1029.504	1030.347	1031.914	1034.177	1037.096	1040.108	1039.479	1039.640
157.5	1069.874	1070.276	1069.955	1070.330	1071.374	1073.101	1075.471	1078.484	1082.126	1082.220
160.0	1110.285	1110.379	1109.830	1109.857	1110.446	1111.571	1113.231	1115.387	1118.038	1121.171
162.5	1149.652	1149.076	1148.085	1147.550	1147.496	1147.911	1148.795	1150.161	1151.982	1154.285
165.0	1182.739	1182.002	1180.958	1180.248	1179.846	1179.779	1180.021	1180.583	1181.453	1182.632
167.5	1210.175	1209.385	1208.381	1207.604	1207.055	1206.760	1206.693	1206.867	1207.283	1207.939
170.0	1233.902	1232.483	1232.268	1231.545	1230.996	1230.595	1230.367	1230.300	1230.394	1230.648
172.5	1254.295	1253.237	1252.849	1252.193	1251.617	1251.135	1250.760	1250.465	1250.278	1250.184
175.0	1269.613	1268.917	1268.220	1267.872	1267.350	1266.855	1266.399	1265.984	1265.596	1265.261
177.5	1277.433	1277.098	1276.763	1276.429	1276.094	1275.799	1275.491	1275.183	1274.889	1274.594
180.0	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. 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	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
2.5	1344.784	1344.570	1344.369	1344.195	1344.035	1343.914	1343.807	1343.727	1343.660	1343.633
5.0	1330.203	1329.975	1329.801	1329.681	1329.614	1329.600	1329.640	1329.734	1329.895	1330.096
7.5	1312.220	1312.220	1312.327	1312.555	1312.903	1313.358	1313.934	1314.617	1314.978	1315.273
10.0	1291.158	1291.465	1291.934	1292.563	1293.340	1294.103	1294.880	1295.804	1296.875	1298.094
12.5	1267.122	1268.234	1269.600	1270.952	1271.943	1273.121	1274.474	1276.000	1277.701	1279.455
15.0	1239.660	1241.173	1242.873	1244.828	1247.104	1248.176	1248.296	1248.765	1248.484	1248.350
17.5	1211.433	1213.616	1214.366	1213.348	1212.772	1212.639	1212.880	1213.455	1214.433	1215.799
20.0	1175.669	1175.147	1175.160	1175.709	1176.780	1177.235	1177.624	1178.494	1179.833	1181.453
22.5	1135.512	1134.802	1134.709	1135.231	1136.490	1138.364	1140.788	1143.519	1145.233	1147.282
25.0	1092.383	1093.213	1094.726	1095.998	1097.351	1099.332	1101.957	1105.264	1109.120	1111.022
27.5	1049.066	1049.870	1051.557	1054.141	1057.408	1059.979	1063.206	1063.380	1064.277	1065.790
30.0	1005.776	1007.182	1009.914	1012.619	1014.654	1015.163	1016.408	1017.908	1018.912	1020.653
32.5	960.960	963.973	967.307	967.294	967.294	967.816	969.141	971.270	974.082	976.252
35.0	916.371	917.965	917.925	918.487	919.652	921.660	923.200	925.517	928.503	932.131
37.5	867.284	867.833	867.819	870.283	872.198	874.621	877.755	880.848	883.151	884.999
40.0	817.379	818.303	820.191	822.802	825.654	828.627	830.876	832.804	834.826	836.915
42.5	768.586	770.273	772.724	774.826	778.843	780.677	782.311	784.533	787.051	789.702
45.0	721.199	723.368	726.474	727.961	729.889	732.205	735.178	737.561	740.373	743.306
47.5	676.771	678.070	678.016	679.676	682.127	684.965	688.219	691.968	694.928	696.026
50.0	630.374	630.455	630.803	631.499	635.556	639.145	642.372	643.644	645.130	646.362
52.5	582.612	583.362	584.366	586.348	588.464	591.476	592.749	592.949	595.641	597.261
55.0	536.363	537.850	539.912	540.099	540.983	542.670	544.504	545.656	547.062	548.401
57.5	491.654	493.448	493.596	493.984	494.145	495.631	497.358	499.005	499.782	501.174
60.0	447.547	447.253	447.708	448.659	449.489	450.413	451.444	452.287	452.930	453.841

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**CANDELA TABULATION - (Cont.)**

<b>62.5</b>	402.584	402.677	403.374	404.606	405.208	405.034	405.409	406.306	406.962	407.592
<b>65.0</b>	359.307	359.722	359.950	360.004	360.325	360.619	360.392	361.436	361.784	362.186
<b>67.5</b>	317.490	316.821	316.406	316.446	316.660	317.182	316.794	317.129	317.517	317.464
<b>70.0</b>	274.830	274.133	274.294	274.267	274.227	274.281	274.026	273.518	274.013	273.464
<b>72.5</b>	233.963	233.763	233.602	233.160	232.691	232.290	231.593	230.803	231.018	230.147
<b>75.0</b>	195.025	194.450	194.302	193.365	192.254	191.316	190.459	189.120	189.549	189.442
<b>77.5</b>	157.801	156.703	156.034	154.614	154.172	153.771	153.463	152.847	152.298	151.762
<b>80.0</b>	122.398	122.398	122.090	121.487	120.403	119.278	118.180	117.042	115.663	114.431
<b>82.5</b>	92.699	91.869	90.490	88.950	87.182	85.375	83.380	81.612	80.889	80.862
<b>85.0</b>	64.326	64.875	65.075	65.022	64.955	64.848	64.433	64.125	63.602	62.946
<b>87.5</b>	53.198	52.663	52.074	51.284	50.440	49.597	48.579	47.454	46.423	45.151
<b>90.0</b>	42.312	40.612	39.166	37.626	36.006	34.386	32.765	30.784	29.257	27.342
<b>92.5</b>	61.058	60.201	59.251	58.099	56.787	55.917	54.752	53.306	51.672	50.454
<b>95.0</b>	80.313	79.925	79.389	78.573	77.675	77.475	76.751	75.747	74.114	73.578
<b>97.5</b>	108.272	107.816	106.665	105.018	103.331	102.219	100.653	98.631	96.716	96.810
<b>100.0</b>	137.649	138.024	137.596	136.685	135.734	135.065	134.302	132.829	130.874	129.977
<b>102.5</b>	172.329	171.392	170.214	169.076	168.540	168.540	168.419	167.415	166.210	165.621
<b>105.0</b>	208.308	207.063	205.911	205.095	204.452	204.358	203.809	202.805	201.827	201.600
<b>107.5</b>	244.609	243.551	242.587	242.279	242.413	242.600	241.850	240.739	239.882	239.748
<b>110.0</b>	282.382	280.788	280.373	280.775	281.377	281.471	280.762	279.556	279.248	280.012
<b>112.5</b>	321.722	320.302	319.633	320.101	320.945	321.025	319.887	319.084	319.633	321.039
<b>115.0</b>	359.280	359.535	360.124	360.713	361.142	361.008	360.151	359.803	361.048	362.869
<b>117.5</b>	397.830	398.701	400.080	402.062	402.490	402.062	401.633	401.861	403.253	405.155
<b>120.0</b>	439.031	439.527	440.477	441.749	442.807	443.905	444.173	444.762	446.141	447.735
<b>122.5</b>	479.777	481.370	482.000	482.736	483.138	484.450	485.963	487.784	489.833	491.118
<b>125.0</b>	521.380	522.585	524.205	524.339	525.303	526.830	528.477	530.780	532.935	534.100
<b>127.5</b>	564.455	564.643	564.777	566.477	568.660	570.776	572.811	574.565	576.895	578.341
<b>130.0</b>	607.960	606.929	607.504	608.334	611.481	614.788	619.046	620.385	621.671	622.836
<b>132.5</b>	649.067	651.370	651.638	652.762	654.945	658.306	661.627	664.720	666.902	668.375
<b>135.0</b>	690.683	693.307	696.441	697.806	699.909	702.734	705.827	707.782	710.085	712.884
<b>137.5</b>	734.415	736.517	739.423	741.619	746.546	749.063	750.576	752.357	754.219	756.736
<b>140.0</b>	780.557	782.244	784.587	787.827	791.295	794.656	796.625	797.468	799.249	801.753
<b>142.5</b>	828.533	829.377	829.872	832.470	834.679	836.942	839.459	842.659	845.645	848.230
<b>145.0</b>	874.367	876.121	876.282	877.112	878.357	880.138	882.615	885.748	889.551	894.050
<b>147.5</b>	915.394	918.634	923.093	922.638	923.508	925.048	927.271	930.110	933.671	936.912
<b>150.0</b>	957.037	958.845	962.862	966.838	970.039	971.163	973.025	975.220	977.122	979.840
<b>152.5</b>	998.693	1000.661	1003.380	1006.754	1010.798	1014.159	1018.202	1019.099	1020.626	1022.353
<b>155.0</b>	1040.523	1042.104	1044.366	1046.670	1049.106	1052.026	1055.346	1058.814	1062.764	1064.826
<b>157.5</b>	1082.233	1082.782	1083.854	1085.420	1087.161	1089.263	1091.874	1094.766	1096.775	1099.065
<b>160.0</b>	1122.926	1122.751	1123.086	1123.916	1125.242	1126.045	1126.809	1128.014	1129.647	1131.160
<b>162.5</b>	1157.043	1159.427	1160.525	1159.949	1159.775	1160.016	1160.377	1160.766	1161.529	1162.667
<b>165.0</b>	1184.131	1185.926	1187.693	1189.594	1191.764	1192.701	1192.687	1192.995	1193.076	1193.370
<b>167.5</b>	1208.822	1209.934	1211.286	1212.719	1214.058	1215.598	1217.338	1219.253	1221.369	1223.659
<b>170.0</b>	1231.077	1231.666	1232.416	1233.326	1234.397	1235.348	1236.125	1237.022	1238.053	1239.204
<b>172.5</b>	1250.198	1250.291	1250.492	1250.787	1251.175	1251.670	1252.246	1252.929	1253.143	1253.277
<b>175.0</b>	1264.953	1264.699	1264.471	1264.297	1264.163	1264.070	1264.016	1264.003	1264.043	1264.123
<b>177.5</b>	1274.313	1274.032	1273.764	1273.509	1273.255	1273.027	1272.800	1272.572	1272.371	1272.184
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Angles**      **Horizontal Angles**

	<u><b>325.0</b></u>	<u><b>327.5</b></u>	<u><b>330.0</b></u>	<u><b>332.5</b></u>	<u><b>335.0</b></u>	<u><b>337.5</b></u>	<u><b>340.0</b></u>	<u><b>342.5</b></u>	<u><b>345.0</b></u>	<u><b>347.5</b></u>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1343.620	1343.633	1343.673	1343.740	1343.820	1343.928	1344.061	1344.222	1344.396	1344.597
<b>5.0</b>	1330.350	1330.671	1331.033	1331.167	1331.341	1331.569	1331.836	1332.158	1332.519	1332.921
<b>7.5</b>	1315.661	1316.116	1316.639	1317.241	1317.924	1318.674	1319.491	1320.053	1320.616	1321.231

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**CANDELA TABULATION - (Cont.)**

10.0	1299.473	1300.986	1302.512	1303.356	1304.226	1305.177	1306.235	1307.359	1308.591	1309.515
12.5	1279.615	1279.749	1280.138	1280.794	1281.718	1282.226	1282.334	1282.682	1283.298	1284.155
15.0	1248.564	1249.100	1249.515	1250.653	1251.684	1253.009	1254.643	1255.272	1255.995	1257.026
17.5	1216.897	1218.035	1219.079	1220.485	1222.092	1223.538	1225.319	1227.448	1228.720	1229.925
20.0	1183.422	1185.818	1188.309	1189.929	1191.964	1194.428	1196.370	1198.659	1201.311	1202.850
22.5	1149.826	1152.558	1155.624	1158.302	1158.958	1159.842	1161.341	1162.252	1163.698	1165.292
25.0	1111.932	1112.615	1113.767	1115.146	1117.128	1118.520	1120.020	1121.895	1123.220	1125.175
27.5	1067.919	1069.379	1070.772	1072.726	1074.695	1077.292	1079.087	1081.269	1083.157	1084.978
30.0	1022.875	1025.661	1028.165	1030.334	1032.972	1035.529	1038.515	1040.698	1043.188	1045.116
32.5	978.863	981.849	985.236	988.329	991.302	993.203	995.279	997.234	999.282	1000.889
35.0	935.425	937.541	939.550	942.094	944.156	946.539	948.588	950.811	953.114	955.376
37.5	887.422	889.551	891.975	894.546	896.996	899.902	902.473	904.923	907.266	909.944
40.0	839.432	842.365	844.855	847.788	850.908	853.880	856.719	859.076	861.700	864.231
42.5	792.608	795.500	798.647	801.512	804.752	807.738	809.265	810.912	812.760	814.259
45.0	746.399	749.559	750.898	752.438	754.232	756.254	758.075	759.896	761.476	762.949
47.5	697.150	698.637	700.337	701.582	703.631	705.385	707.380	709.014	710.500	711.960
50.0	647.340	648.652	650.540	652.307	653.807	655.240	657.034	658.386	659.832	661.265
52.5	598.761	599.671	601.157	602.965	604.786	605.764	607.129	608.549	609.995	611.468
55.0	550.824	551.668	552.605	554.266	555.993	556.930	558.122	559.488	560.773	561.858
57.5	502.728	504.026	504.281	506.102	507.441	508.472	509.503	510.721	511.779	512.409
60.0	455.340	456.813	457.335	458.407	459.558	460.375	461.232	462.183	462.866	463.173
62.5	408.649	409.855	410.591	411.274	412.305	412.774	413.537	414.273	414.956	415.237
65.0	362.815	363.659	364.556	364.851	365.949	365.989	366.484	367.047	367.596	367.783
67.5	317.718	318.146	319.110	318.910	319.606	319.512	319.673	320.008	320.356	320.423
70.0	273.263	273.169	273.732	273.424	273.598	273.343	273.076	273.156	273.236	273.169
72.5	229.357	228.728	228.674	229.023	229.277	229.424	229.223	229.384	229.478	229.531
75.0	189.027	188.759	188.839	188.759	188.397	188.250	187.674	187.286	186.924	186.683
77.5	150.798	149.981	149.339	148.709	147.799	147.183	146.299	145.295	144.451	143.876
80.0	112.918	111.485	110.186	108.834	107.401	106.209	105.071	103.411	102.059	101.081
82.5	80.728	80.514	80.353	80.032	79.577	79.255	79.014	78.144	77.367	76.939
85.0	62.210	61.420	60.764	60.054	59.090	58.300	57.657	56.600	55.435	54.738
87.5	43.785	42.406	41.228	40.143	38.644	37.412	36.300	35.042	33.502	32.538
90.0	25.334	23.392	21.678	20.206	18.170	16.496	14.930	13.484	11.556	10.324
92.5	49.088	47.749	46.410	45.057	43.451	42.018	40.585	39.367	37.639	36.207
95.0	72.842	72.092	71.101	69.869	68.717	67.539	66.227	65.249	63.723	62.076
97.5	96.689	96.488	95.819	94.734	93.998	93.020	91.882	91.092	89.740	87.919
100.0	129.160	128.343	127.004	125.237	123.857	122.291	120.644	119.372	117.551	115.087
102.5	165.300	164.978	164.108	162.782	161.604	160.466	159.435	158.551	157.051	155.083
105.0	201.761	201.894	201.412	200.422	199.484	198.775	198.319	197.784	196.605	195.132
107.5	239.909	239.775	238.971	238.195	237.512	237.284	237.338	237.110	236.226	235.236
110.0	280.882	280.976	280.213	279.382	278.713	278.539	278.445	277.950	276.972	276.115
112.5	322.217	322.445	321.775	321.574	321.534	322.043	322.043	321.628	320.891	320.316
115.0	364.021	364.074	363.793	364.221	364.757	365.909	365.761	365.467	364.904	364.570
117.5	406.119	406.253	406.494	407.310	408.449	409.975	409.600	409.466	409.051	408.890
120.0	448.860	449.275	449.797	450.801	452.354	453.787	453.961	454.122	453.747	453.640
122.5	492.190	492.913	493.194	494.814	496.675	498.108	498.871	499.380	499.434	499.768
125.0	536.256	536.979	537.783	539.376	541.478	543.085	544.170	544.852	545.308	546.098
127.5	579.800	580.939	582.465	584.393	586.603	588.785	589.870	590.620	591.410	592.588
130.0	624.309	625.929	627.857	630.093	632.182	634.177	635.771	636.561	637.645	639.038
132.5	670.277	671.910	674.026	675.900	678.177	679.998	681.725	682.703	683.975	685.501
135.0	715.883	718.896	721.145	722.899	724.573	726.515	727.907	729.126	730.599	732.205
137.5	759.708	763.056	766.537	768.707	771.117	773.661	774.518	775.776	777.544	779.191
140.0	804.819	808.421	811.086	813.791	816.254	818.236	819.776	821.490	823.619	825.801
142.5	851.457	854.362	857.308	859.491	861.419	863.012	864.592	866.534	868.556	871.006
145.0	898.590	901.870	903.959	906.061	907.146	908.351	909.864	911.672	913.854	916.010
147.5	940.728	944.303	947.798	950.623	952.913	954.051	955.738	957.506	959.501	961.174

**IES INDOOR REPORT  
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**CANDELA TABULATION - (Cont.)**

<b>150.0</b>	982.411	985.343	987.794	989.615	991.851	994.261	997.167	999.604	1002.308	1004.571
<b>152.5</b>	1024.670	1026.210	1027.562	1029.329	1031.097	1033.494	1035.462	1037.845	1039.908	1041.849
<b>155.0</b>	1065.991	1066.848	1067.986	1069.138	1070.879	1072.365	1074.079	1076.087	1077.400	1079.314
<b>157.5</b>	1101.823	1104.354	1107.125	1109.509	1110.285	1111.383	1113.057	1113.820	1115.106	1116.378
<b>160.0</b>	1132.874	1134.990	1137.293	1139.181	1141.431	1144.055	1145.702	1147.670	1150.000	1150.964
<b>162.5</b>	1163.578	1165.117	1166.483	1168.197	1169.884	1171.022	1172.495	1174.276	1175.093	1175.776
<b>165.0</b>	1193.973	1194.883	1195.606	1196.437	1197.160	1198.191	1199.490	1199.717	1200.012	1200.574
<b>167.5</b>	1223.605	1223.498	1223.659	1224.047	1224.690	1224.904	1224.676	1224.676	1224.917	1225.386
<b>170.0</b>	1240.463	1241.856	1243.235	1243.824	1244.440	1245.136	1245.913	1246.770	1247.707	1247.613
<b>172.5</b>	1253.465	1253.719	1254.027	1254.415	1254.857	1255.366	1255.928	1255.795	1255.527	1255.299
<b>175.0</b>	1264.230	1264.391	1264.592	1264.297	1264.029	1263.788	1263.574	1263.387	1263.226	1263.092
<b>177.5</b>	1271.996	1271.836	1271.675	1271.528	1271.407	1271.287	1271.193	1271.099	1271.032	1270.979
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745	1278.745

**Vert. Horizontal Angles  
Angles**

	<b>350.0</b>	<b>352.5</b>	<b>355.0</b>	<b>357.5</b>	<b>360.0</b>
<b>0.0</b>	1356.260	1356.260	1356.260	1356.260	1356.260
<b>2.5</b>	1344.825	1345.079	1345.347	1345.628	1345.936
<b>5.0</b>	1333.376	1333.872	1334.421	1334.996	1335.626
<b>7.5</b>	1321.914	1322.664	1323.481	1324.365	1325.302
<b>10.0</b>	1310.439	1311.109	1312.394	1313.679	1314.978
<b>12.5</b>	1284.837	1285.520	1286.444	1287.609	1289.015
<b>15.0</b>	1258.352	1259.182	1260.200	1261.485	1263.052
<b>17.5</b>	1231.465	1232.951	1234.009	1235.388	1237.089
<b>20.0</b>	1204.605	1206.734	1207.189	1209.157	1211.125
<b>22.5</b>	1166.296	1167.889	1169.094	1170.273	1172.053
<b>25.0</b>	1126.594	1128.295	1129.982	1131.160	1132.995
<b>27.5</b>	1086.960	1088.754	1090.910	1092.062	1093.923
<b>30.0</b>	1047.352	1049.281	1050.419	1052.641	1054.851
<b>32.5</b>	1002.590	1004.304	1006.593	1007.678	1009.325
<b>35.0</b>	956.983	958.911	961.134	962.326	963.799
<b>37.5</b>	911.551	913.613	915.742	917.028	918.259
<b>40.0</b>	866.253	868.422	870.430	871.274	872.733
<b>42.5</b>	815.906	817.660	819.133	820.298	821.115
<b>45.0</b>	764.569	766.229	767.635	768.773	769.497
<b>47.5</b>	713.339	714.892	716.231	717.276	717.865
<b>50.0</b>	662.162	663.635	664.907	665.229	666.246
<b>52.5</b>	612.285	613.637	614.936	615.819	616.061
<b>55.0</b>	562.742	563.880	565.045	565.888	565.861
<b>57.5</b>	513.265	514.230	515.194	515.970	515.662
<b>60.0</b>	463.856	464.673	463.481	465.597	465.477
<b>62.5</b>	415.786	416.590	417.192	417.808	417.340
<b>65.0</b>	368.024	368.694	369.109	369.564	369.216
<b>67.5</b>	320.329	320.824	321.052	321.320	321.079
<b>70.0</b>	272.701	272.995	271.670	272.728	272.942
<b>72.5</b>	229.090	229.304	229.344	229.411	229.371
<b>75.0</b>	186.041	185.907	185.800	185.759	185.800
<b>77.5</b>	143.045	142.537	142.269	142.135	142.229
<b>80.0</b>	100.077	97.707	98.082	98.336	98.658
<b>82.5</b>	76.336	75.667	75.359	75.078	75.091
<b>85.0</b>	53.828	52.877	52.301	51.726	51.525
<b>87.5</b>	31.306	30.087	29.230	28.373	27.945
<b>90.0</b>	8.784	7.298	6.159	5.021	4.379
<b>92.5</b>	34.760	33.555	32.417	31.359	30.288
<b>95.0</b>	60.737	59.813	58.675	57.684	56.211

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**CANDELA TABULATION - (Cont.)**

<b>97.5</b>	86.700	86.058	84.933	84.022	82.121
<b>100.0</b>	113.534	112.771	111.405	110.401	108.031
<b>102.5</b>	153.998	153.342	152.204	151.508	148.991
<b>105.0</b>	194.476	193.927	193.030	192.602	189.951
<b>107.5</b>	234.968	234.539	233.870	233.589	230.897
<b>110.0</b>	275.901	275.406	274.830	274.656	271.857
<b>112.5</b>	320.262	320.075	319.579	319.338	316.285
<b>115.0</b>	364.703	364.744	364.329	363.994	360.713
<b>117.5</b>	409.239	409.426	409.078	408.636	405.141
<b>120.0</b>	454.122	454.296	453.908	453.278	449.569
<b>122.5</b>	500.532	500.880	500.813	500.170	496.782
<b>125.0</b>	547.035	547.571	547.731	547.062	543.996
<b>127.5</b>	593.646	594.369	594.677	593.967	591.209
<b>130.0</b>	640.377	641.274	641.622	640.872	638.422
<b>132.5</b>	687.135	688.259	688.661	687.911	685.528
<b>135.0</b>	733.946	735.365	735.754	734.937	732.620
<b>137.5</b>	780.905	782.605	782.900	781.963	779.726
<b>140.0</b>	827.609	829.457	829.993	828.948	826.819
<b>142.5</b>	872.546	874.072	874.541	873.269	871.435
<b>145.0</b>	917.657	918.688	919.090	917.603	916.050
<b>147.5</b>	962.982	963.290	963.638	961.951	960.666
<b>150.0</b>	1007.115	1007.209	1007.905	1006.245	1005.281
<b>152.5</b>	1043.416	1043.750	1044.179	1042.679	1041.836
<b>155.0</b>	1079.890	1080.452	1080.466	1079.127	1078.390
<b>157.5</b>	1116.592	1117.342	1116.753	1115.574	1114.945
<b>160.0</b>	1152.102	1153.589	1152.692	1151.928	1151.500
<b>162.5</b>	1176.753	1177.209	1176.285	1175.655	1175.321
<b>165.0</b>	1201.418	1200.655	1199.891	1199.382	1199.141
<b>167.5</b>	1224.957	1224.127	1223.525	1223.136	1222.962
<b>170.0</b>	1247.332	1247.118	1246.944	1246.837	1246.783
<b>172.5</b>	1255.125	1254.978	1254.884	1254.830	1254.830
<b>175.0</b>	1262.985	1262.918	1262.864	1262.851	1262.878
<b>177.5</b>	1270.939	1270.898	1270.898	1270.898	1270.912
<b>180.0</b>	1278.745	1278.745	1278.745	1278.745	1278.745

**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	484.98	N.A.	7.50
0-30	1009.07	N.A.	15.60
0-40	1612.00	N.A.	25.00
0-60	2718.49	N.A.	42.10
0-80	3300.14	N.A.	51.20
0-90	3372.16	N.A.	52.30
10-90	3245.03	N.A.	50.30
20-40	1127.02	N.A.	17.50
20-50	1721.42	N.A.	26.70
40-70	1478.19	N.A.	22.90
60-80	581.65	N.A.	9.00
70-80	209.96	N.A.	3.30
80-90	72.02	N.A.	1.10
90-110	254.54	N.A.	3.90
90-120	592.03	N.A.	9.20
90-130	1054.05	N.A.	16.30
90-150	2141.04	N.A.	33.20
90-180	3078.92	N.A.	47.70
110-180	2824.37	N.A.	43.80
0-180	6451.07	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	127.13
10-20	357.84
20-30	524.09
30-40	602.93
40-50	594.40
50-60	512.09
60-70	371.70
70-80	209.96
80-90	72.02
90-100	65.42
100-110	189.12
110-120	337.49
120-130	462.02
130-140	537.34
140-150	549.66
150-160	483.61
160-170	334.51
170-180	119.76



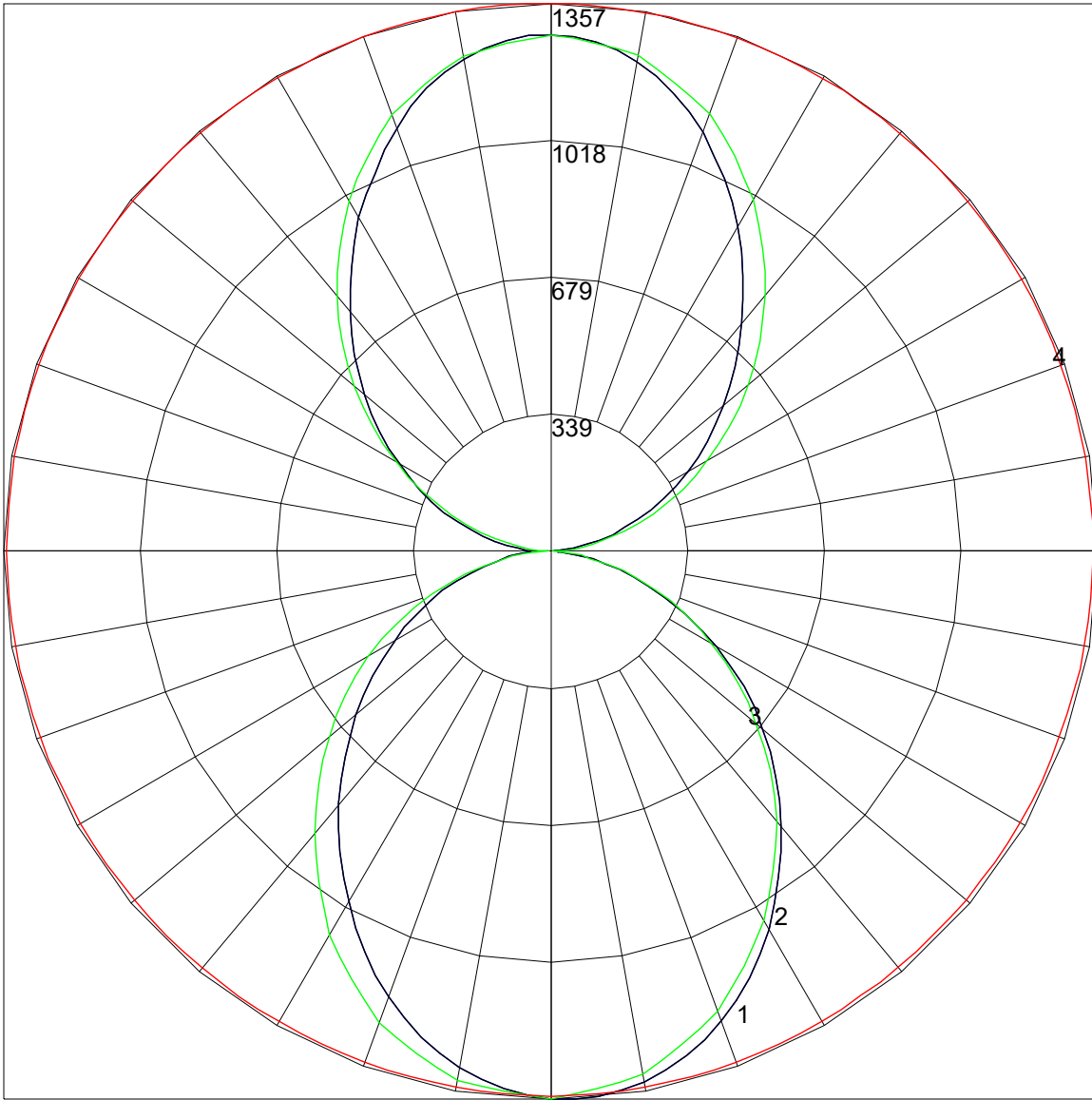
**IES INDOOR REPORT**  
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1357.09 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.)