



IES INDOOR REPORT
PHOTOMETRIC FILENAME : NLSDI48LTB40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 8,388P9
[TESTLAB] CSA Group
[ISSUEDATE] 10/29/2015 10:39:40 AM
[LUMINAIRE] NLSDI48LTB40/NLWDI48LTB40
[AMBIENT] 24.8 deg C
[POWERFACTOR] 0.9982
[ATHD] 5.33%
[CURRENT] 0.3930
[VOLTAGE] 120.06
[STABILIZATION] 49:34.5 Stable
[POWER VARIATION] 0.26 %
[LIGHT VARIATION] 0.45 %
[Lumens] 4,924
[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	4924
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	47.18
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	14576	14756	14941
55	13214	13591	13650
65	11702	12336	11696
75	9615	10773	9195
85	7918	8986	3558

CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1027.294	1027.335	1027.376	1027.437	1027.519	1027.611	1027.723	1027.846	1027.979	1028.122
5.0	1019.425	1019.486	1019.578	1019.700	1019.854	1020.038	1020.242	1020.487	1020.753	1021.049
7.5	1011.545	1011.637	1011.770	1011.943	1012.168	1012.434	1012.751	1013.098	1013.487	1013.548
10.0	1003.665	1003.747	1003.839	1003.921	1004.473	1004.820	1005.219	1005.157	1005.239	1005.372
12.5	983.849	984.033	984.411	984.963	985.699	986.414	986.956	987.681	988.591	989.674
15.0	964.032	964.247	964.676	965.310	966.158	966.516	967.159	968.018	969.163	969.571
17.5	944.216	944.451	944.921	945.646	946.137	946.617	947.353	948.120	948.539	949.213
20.0	924.399	924.501	924.603	925.963	926.167	926.709	927.588	927.639	928.119	928.926
22.5	894.577	894.873	895.640	896.549	897.398	898.706	899.759	901.026	902.773	903.591
25.0	864.765	865.031	865.808	866.564	867.514	868.720	869.650	871.071	871.827	872.819
27.5	834.943	835.168	835.945	836.589	837.631	838.541	839.593	840.493	841.024	841.913
30.0	805.121	805.019	804.917	806.624	807.768	808.422	809.608	809.710	810.293	810.344
32.5	770.373	770.588	771.395	772.284	773.542	774.615	775.718	776.403	777.211	777.987
35.0	735.625	735.830	736.576	737.547	738.548	739.601	740.081	740.838	741.195	742.023
37.5	700.867	701.061	701.766	702.819	703.524	704.649	704.516	704.955	705.466	705.660
40.0	666.119	665.915	666.967	668.092	668.470	668.919	669.011	669.257	669.737	669.349
42.5	626.721	626.946	627.794	629.286	629.920	630.543	631.392	631.984	632.485	632.741
45.0	587.323	587.558	588.427	589.755	590.736	591.196	591.810	592.791	592.923	593.251
47.5	547.915	548.160	549.080	550.388	551.635	551.941	552.585	553.474	553.740	554.149
50.0	508.517	508.343	509.733	511.082	512.461	512.788	513.494	514.240	514.843	515.446
52.5	470.212	470.478	471.469	472.716	473.820	474.218	474.903	475.496	476.160	477.008
55.0	431.897	432.204	433.256	434.442	435.362	435.863	436.629	437.120	437.815	438.683
57.5	393.582	393.930	395.044	396.168	396.965	397.548	398.376	398.876	399.684	400.655
60.0	355.278	355.298	355.390	357.884	358.630	359.305	360.081	360.930	361.737	362.902
62.5	318.537	318.752	319.855	320.724	321.368	322.002	322.686	323.340	324.321	325.609
65.0	281.806	281.837	282.930	283.666	284.320	285.046	285.813	286.599	287.621	289.042
67.5	245.065	244.922	245.985	246.588	247.314	248.121	249.041	249.920	251.075	252.536
70.0	208.324	207.752	208.008	209.510	210.338	211.237	212.361	213.281	214.671	216.143
72.5	175.069	174.854	175.764	176.264	177.041	177.777	178.717	179.392	180.587	181.589
75.0	141.813	141.731	142.589	143.295	144.225	145.042	146.095	146.984	148.343	149.396
77.5	108.557	108.608	109.405	110.345	111.418	112.338	113.493	114.648	116.109	117.305
80.0	75.301	75.362	75.720	76.292	78.622	79.644	80.912	82.373	83.896	85.296
82.5	57.314	57.528	58.070	58.857	59.450	59.930	60.789	61.995	62.925	63.640
85.0	39.327	39.623	40.154	40.798	41.125	41.544	42.597	44.283	45.479	46.399
87.5	21.329	21.728	22.239	22.729	22.791	23.159	24.395	26.582	28.033	29.168
90.0	3.342	3.822	4.313	4.660	4.456	4.763	6.193	8.861	10.578	11.927
92.5	23.118	23.332	23.639	23.680	23.302	23.118	23.864	25.714	26.715	27.267
95.0	42.904	42.852	42.965	42.709	42.147	41.483	41.534	42.566	42.863	42.638
97.5	62.679	62.362	62.291	61.739	61.003	59.869	59.256	59.460	59.051	58.070
100.0	82.455	81.924	81.801	81.188	80.595	79.440	78.704	78.786	78.520	77.784
102.5	113.718	112.941	112.767	112.134	111.388	110.080	109.078	108.843	108.332	107.341
105.0	144.981	143.959	143.734	143.090	142.201	140.770	139.523	138.961	138.236	137.030
107.5	176.234	174.977	174.711	174.047	173.055	171.512	170.030	169.172	168.242	166.852
110.0	207.497	206.035	205.780	205.228	204.288	202.857	201.436	200.567	199.821	198.687
112.5	241.407	240.252	239.986	239.373	238.320	236.838	235.336	234.202	233.312	232.147
115.0	275.317	274.458	274.192	273.549	272.414	270.881	269.307	267.989	266.916	265.884
117.5	309.227	308.654	308.409	307.745	306.559	304.995	303.381	301.960	300.652	299.763
120.0	343.136	342.861	342.687	342.104	340.990	339.519	337.965	336.831	335.165	333.908
122.5	379.172	378.743	378.518	377.874	376.719	375.217	373.561	371.763	370.260	368.605
125.0	415.208	414.646	414.360	413.706	412.530	411.028	409.260	407.216	405.560	403.854
127.5	451.244	450.559	450.211	449.588	448.423	446.910	445.050	442.955	441.075	439.695
130.0	487.279	486.472	486.084	485.522	484.397	482.721	480.861	478.838	476.753	475.128
132.5	523.233	522.518	522.068	521.527	520.310	518.491	516.662	514.822	512.686	510.796

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CANDELA TABULATION - (Cont.)

135.0	559.177	558.554	558.094	557.603	556.213	554.445	552.667	550.858	548.824	546.985
137.5	595.131	594.589	594.150	593.925	592.229	590.583	589.193	586.945	585.187	583.705
140.0	631.075	630.605	630.175	629.634	628.050	626.435	624.432	622.275	620.282	618.024
142.5	665.128	664.688	664.412	663.881	662.552	661.520	659.108	657.156	654.959	652.700
145.0	699.181	698.772	698.670	698.128	697.188	695.829	694.010	692.446	690.065	688.051
147.5	733.234	732.856	732.948	732.406	731.956	730.505	729.146	727.511	725.732	723.627
150.0	767.287	766.878	767.001	766.173	765.856	763.853	762.330	759.949	758.007	755.176
152.5	795.188	794.789	794.891	794.247	793.849	792.581	791.089	789.485	787.563	785.898
155.0	823.088	822.710	822.792	822.403	821.923	821.443	819.991	819.010	817.396	815.985
157.5	850.989	850.621	850.692	850.631	850.100	849.987	849.047	848.076	847.637	846.144
160.0	878.889	878.481	878.317	878.450	877.285	876.508	876.181	874.086	872.573	871.429
162.5	897.071	896.672	896.509	896.560	896.059	895.374	894.935	894.373	893.003	891.879
165.0	915.252	914.884	914.710	914.731	915.007	914.250	913.883	913.709	913.934	912.595
167.5	933.433	933.096	932.933	932.933	933.096	933.147	932.830	932.698	932.728	932.943
170.0	951.615	951.278	950.991	950.756	950.562	950.419	950.378	949.520	948.886	948.304
172.5	957.757	957.502	957.287	957.113	956.970	956.858	956.786	956.755	956.807	956.214
175.0	963.899	963.726	963.582	963.470	963.368	963.306	963.255	963.235	963.235	963.266
177.5	970.031	969.949	969.878	969.817	969.776	969.735	969.714	969.704	969.704	969.725
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Angles

Horizontal Angles

	25.0	27.5	30.0	32.5	35.0	37.5	40.0	42.5	45.0	47.5
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1028.285	1028.459	1028.653	1028.858	1029.062	1029.287	1029.532	1029.777	1030.033	1030.299
5.0	1021.366	1021.714	1022.092	1022.296	1022.521	1022.787	1023.073	1023.390	1023.737	1024.105
7.5	1013.701	1013.906	1014.151	1014.447	1014.785	1015.173	1015.602	1016.123	1016.164	1016.399
10.0	1005.576	1005.842	1006.169	1006.087	1006.057	1006.098	1006.200	1006.363	1006.598	1006.895
12.5	990.635	991.483	992.515	993.731	995.121	996.654	995.867	995.397	995.040	994.805
15.0	970.369	971.380	972.617	973.261	974.037	975.029	976.245	977.952	978.820	980.272
17.5	950.143	950.572	950.971	951.615	952.524	953.107	953.904	954.998	956.377	957.440
20.0	928.753	928.937	929.407	929.499	929.734	930.296	930.817	930.807	931.134	931.829
22.5	904.961	906.575	906.800	906.688	906.616	905.799	905.380	905.328	905.124	905.277
25.0	873.984	874.873	876.283	877.223	878.164	879.543	879.605	878.920	878.634	878.082
27.5	842.332	843.313	843.753	844.438	845.245	846.012	847.361	848.607	850.161	850.100
30.0	810.814	811.039	811.468	811.703	811.928	812.582	813.185	814.319	815.239	816.476
32.5	778.989	779.183	779.071	778.682	778.682	778.846	779.316	779.377	780.031	780.317
35.0	742.555	743.433	743.812	744.670	745.559	745.334	744.793	744.547	744.006	744.200
37.5	706.151	706.141	706.611	707.244	708.134	708.767	709.564	709.340	708.430	707.694
40.0	669.257	669.359	669.512	670.064	670.197	670.473	670.636	671.025	671.648	671.893
42.5	632.741	632.679	632.812	632.669	632.690	632.240	632.138	632.281	632.700	633.691
45.0	593.894	594.385	595.059	595.785	595.100	594.600	594.375	594.262	594.579	594.620
47.5	554.772	555.488	555.968	556.234	556.438	556.806	557.286	557.031	556.837	556.867
50.0	516.049	516.744	517.623	517.265	517.612	518.226	518.450	519.156	520.300	520.290
52.5	477.754	478.521	478.919	479.032	479.829	479.911	480.187	480.943	481.873	482.864
55.0	439.634	440.554	440.758	441.565	442.424	442.270	442.690	443.384	444.223	444.836
57.5	401.656	402.504	402.801	403.894	404.375	404.876	405.846	406.695	407.226	407.400
60.0	363.955	364.680	365.324	366.407	366.816	367.624	368.625	369.749	370.792	370.925
62.5	326.560	327.285	328.164	329.094	329.891	330.964	332.048	333.203	333.611	334.276
65.0	290.064	290.718	291.679	292.537	293.559	294.745	296.012	297.228	297.095	298.199
67.5	253.497	254.498	255.755	256.696	257.871	259.138	260.559	261.264	261.581	262.715
70.0	217.216	218.514	219.904	221.140	222.510	224.012	225.494	225.934	226.853	227.773
72.5	182.355	183.377	184.307	185.840	187.445	189.162	190.623	191.380	192.688	193.597
75.0	150.438	151.726	152.820	153.872	155.027	156.070	156.754	157.470	158.880	160.188
77.5	118.624	120.218	121.403	122.793	124.081	125.062	125.195	125.379	126.074	127.362
80.0	86.901	88.812	90.100	91.888	93.257	94.188	93.574	93.339	93.544	94.719

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CANDELA TABULATION - (Cont.)

82.5	64.417	65.357	65.541	66.389	66.471	66.042	63.149	61.330	61.085	62.178
85.0	47.308	48.208	48.484	49.383	49.577	49.485	47.564	46.174	44.631	43.844
87.5	30.210	31.048	31.457	32.377	32.745	33.021	32.295	31.917	31.426	31.222
90.0	13.092	13.879	14.441	15.361	15.923	16.587	17.170	17.783	18.365	18.703
92.5	27.778	27.941	28.044	28.371	28.371	28.412	28.064	27.359	26.725	25.867
95.0	42.485	42.035	41.667	41.401	40.870	40.287	39.061	37.088	35.249	33.215
97.5	57.263	56.210	55.362	54.534	53.471	52.296	50.272	47.768	46.920	46.297
100.0	77.345	76.916	76.875	76.916	76.814	76.609	75.873	74.861	74.064	73.359
102.5	106.462	105.746	105.409	105.123	104.632	103.958	102.936	102.026	101.444	100.739
105.0	135.752	134.730	134.107	133.555	132.737	131.654	130.336	129.487	129.375	128.966
107.5	165.247	163.878	162.999	162.723	162.099	161.169	160.025	158.941	158.635	158.175
110.0	197.205	195.897	195.069	194.487	193.505	192.279	190.736	189.417	188.498	187.844
112.5	230.379	228.724	227.528	226.618	225.300	223.808	222.060	220.466	219.260	218.320
115.0	263.921	261.898	260.303	259.077	257.626	255.980	254.243	252.322	251.013	249.930
117.5	297.555	295.419	293.549	292.067	290.779	289.165	287.284	285.138	283.513	282.399
120.0	331.823	329.431	327.224	325.527	324.373	322.799	320.959	318.895	316.871	315.287
122.5	366.469	363.975	361.379	359.468	358.160	356.944	355.482	352.835	349.892	347.500
125.0	401.523	398.958	396.168	393.940	392.223	390.741	388.656	386.081	383.250	380.889
127.5	436.874	434.064	431.223	428.504	426.235	424.294	422.372	420.492	417.610	415.218
130.0	472.430	469.476	466.706	463.794	461.321	459.031	456.977	455.086	453.308	449.741
132.5	508.578	505.624	502.425	499.646	497.581	494.934	492.614	489.783	487.259	484.683
135.0	545.217	542.161	539.136	536.111	533.147	530.183	527.260	524.593	522.232	520.065
137.5	581.354	578.452	574.977	571.237	567.874	564.951	562.345	560.311	558.257	556.499
140.0	615.765	613.558	610.267	607.099	603.695	600.762	598.115	596.133	595.008	592.811
142.5	650.677	648.408	646.364	643.257	640.436	637.616	635.173	632.005	628.612	625.781
145.0	685.782	683.871	682.042	680.141	677.279	673.559	669.727	666.191	662.787	660.048
147.5	721.644	718.619	715.911	713.458	710.811	707.500	704.526	701.235	698.404	695.767
150.0	752.672	750.036	747.705	745.610	743.771	742.074	739.417	737.271	734.900	732.733
152.5	783.526	781.677	779.622	777.936	776.567	775.340	774.635	773.102	771.641	768.472
155.0	814.667	812.929	811.683	810.374	809.301	808.729	806.930	804.345	802.086	798.805
157.5	845.214	844.479	842.363	839.961	837.754	835.311	833.237	831.550	829.537	827.830
160.0	869.211	867.402	865.889	863.948	862.149	860.677	859.349	857.857	856.722	855.945
162.5	891.010	889.682	888.333	887.259	886.452	885.256	884.285	883.631	883.274	882.885
165.0	911.808	911.256	910.909	910.071	909.365	908.905	908.691	909.141	908.354	908.343
167.5	932.800	932.309	932.003	931.890	931.972	932.442	930.224	928.569	927.046	925.646
170.0	947.772	947.302	946.893	945.769	944.675	943.674	942.764	941.936	941.190	940.547
172.5	955.795	955.427	955.110	954.824	954.589	954.395	954.252	954.303	953.475	952.984
175.0	963.317	963.398	963.501	963.306	963.143	963.010	962.908	962.847	962.806	962.795
177.5	969.755	969.786	969.837	969.909	969.980	970.062	970.164	970.277	970.399	970.532
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Angles **Horizontal Angles**

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1030.575	1030.861	1031.157	1031.453	1031.770	1032.077	1032.404	1032.731	1033.058	1033.395
5.0	1024.504	1024.933	1025.383	1025.853	1026.354	1026.875	1027.417	1027.979	1028.551	1029.154
7.5	1016.675	1017.013	1017.391	1017.820	1018.300	1018.832	1019.404	1020.027	1020.702	1021.417
10.0	1007.038	1007.048	1007.150	1007.344	1007.631	1008.019	1008.499	1009.072	1009.736	1010.492
12.5	994.692	994.692	994.590	994.498	994.539	994.702	994.999	995.428	995.990	996.685
15.0	980.905	980.456	980.169	979.812	979.168	978.739	978.514	978.514	978.728	979.168
17.5	958.391	959.658	961.252	961.385	961.262	959.617	958.983	958.605	958.513	958.697
20.0	932.708	933.607	934.874	936.510	938.513	938.656	937.440	936.551	935.988	935.774
22.5	905.839	906.606	907.332	908.507	910.122	912.176	913.811	912.380	911.215	910.510
25.0	877.878	878.123	878.552	879.012	879.962	881.434	883.621	885.124	883.662	882.395
27.5	849.037	848.362	848.209	847.964	847.872	848.342	849.384	850.948	853.074	851.827

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30.0	818.499	817.528	816.108	815.219	814.687	814.749	815.433	816.905	818.213	819.920
32.5	781.002	782.188	783.813	782.617	781.513	780.460	780.154	780.634	781.891	783.915
35.0	744.139	744.946	745.937	747.092	746.796	745.498	744.936	745.079	745.907	747.307
37.5	707.500	707.398	707.776	708.655	710.392	711.435	709.779	709.002	709.145	709.891
40.0	671.198	670.524	670.309	670.790	671.658	673.242	674.009	672.282	671.474	671.546
42.5	634.294	633.875	633.160	633.027	633.129	633.793	635.132	635.408	633.763	633.252
45.0	595.049	595.867	596.766	595.683	595.100	594.824	595.335	597.328	597.758	596.797
47.5	557.102	557.368	557.848	558.482	557.583	557.297	558.002	559.228	560.690	559.473
50.0	519.973	519.738	519.278	519.513	521.005	521.567	521.251	521.874	522.324	524.327
52.5	483.375	482.547	481.945	482.323	483.386	485.419	485.430	484.591	485.041	486.452
55.0	445.009	445.531	446.062	445.817	446.328	446.941	448.188	448.617	448.116	448.505
57.5	407.431	408.187	408.892	409.842	409.822	410.047	410.956	412.224	412.019	411.580
60.0	371.364	371.855	372.304	373.061	374.093	374.614	374.307	374.696	375.973	375.595
62.5	335.707	336.708	337.004	336.984	337.311	338.323	338.640	338.486	338.977	340.551
65.0	299.262	300.560	301.756	301.194	301.654	301.909	302.410	303.830	303.473	303.953
67.5	263.840	264.953	265.168	265.965	267.069	267.028	267.498	268.255	269.021	268.868
70.0	228.816	229.878	230.257	231.718	231.851	232.720	233.558	233.547	234.518	235.367
72.5	195.079	195.682	196.766	197.910	198.115	198.728	198.718	200.547	199.995	199.781
75.0	161.915	162.386	163.070	162.897	164.062	164.716	163.827	163.867	163.970	164.031
77.5	128.833	129.242	128.946	127.893	128.281	128.445	128.568	126.830	127.832	127.934
80.0	95.700	96.395	95.986	94.729	93.636	93.717	94.607	94.842	95.455	94.985
82.5	62.873	64.212	64.468	64.550	64.458	64.836	65.255	65.745	66.583	67.483
85.0	42.382	41.708	40.032	38.509	36.516	38.090	39.551	41.350	42.720	44.437
87.5	30.752	30.609	29.893	29.219	28.289	28.003	27.461	27.349	26.940	28.463
90.0	19.295	19.612	20.001	20.133	20.368	20.655	21.084	21.534	21.932	23.067
92.5	25.192	24.385	23.649	22.954	22.188	21.012	19.898	18.846	18.181	19.050
95.0	31.283	29.362	27.512	25.959	24.262	24.334	24.630	25.131	25.754	26.827
97.5	45.959	45.929	45.918	45.918	45.459	44.600	43.455	42.495	42.362	42.883
100.0	72.664	72.133	71.387	70.109	68.218	67.053	66.900	66.297	65.500	65.040
102.5	99.870	98.919	98.102	96.937	96.262	95.904	95.199	93.789	92.655	92.379
105.0	128.241	127.413	126.299	125.379	125.195	125.440	124.040	122.865	122.558	121.904
107.5	157.357	156.417	155.293	154.271	153.555	152.942	152.329	152.227	151.409	150.316
110.0	187.159	186.157	184.839	183.132	182.407	181.804	181.160	180.659	180.598	180.107
112.5	218.105	216.674	215.203	213.578	212.433	211.769	210.614	210.532	210.879	209.725
115.0	249.184	248.264	247.007	244.892	242.899	241.785	241.304	241.223	240.313	240.538
117.5	281.653	280.621	278.628	276.584	274.714	273.712	272.680	271.331	270.748	271.668
120.0	313.509	311.986	310.770	309.298	307.969	305.711	303.544	302.348	302.359	300.938
122.5	345.569	344.230	343.361	342.912	340.132	337.567	335.707	334.991	333.192	331.598
125.0	378.958	377.506	376.065	373.991	372.223	370.342	369.146	367.378	365.120	363.944
127.5	413.583	410.548	408.054	406.143	404.804	404.068	402.341	400.195	398.835	398.243
130.0	446.696	443.957	441.668	439.951	438.877	436.895	434.943	434.493	433.420	433.440
132.5	481.648	479.073	476.753	475.261	472.430	469.824	468.096	467.463	467.994	465.582
135.0	518.062	515.834	513.739	509.242	505.675	503.580	502.405	502.160	500.402	497.581
137.5	554.905	551.952	547.782	544.133	540.975	538.563	537.245	535.998	532.799	530.275
140.0	589.142	585.708	582.560	579.781	577.297	575.519	573.546	569.888	566.995	565.166
142.5	622.991	620.221	618.044	615.929	614.355	612.341	608.683	605.790	603.726	602.459
145.0	657.483	655.398	653.641	652.455	650.135	646.558	643.788	641.990	641.039	640.446
147.5	693.601	691.914	691.127	686.488	682.962	680.192	678.107	676.738	676.125	676.411
150.0	731.302	727.613	723.412	719.672	716.555	714.153	712.487	711.721	711.302	711.332
152.5	764.160	760.245	756.873	753.807	751.109	748.922	747.297	746.438	746.970	743.822
155.0	795.688	792.990	790.466	788.044	786.173	784.865	784.395	783.516	780.154	777.098
157.5	826.471	825.091	823.190	821.708	820.676	820.094	819.480	815.903	812.858	810.354
160.0	855.291	854.474	854.004	853.891	854.126	852.328	848.986	846.124	843.753	841.862
162.5	882.558	882.569	882.906	881.730	880.381	876.948	874.781	872.941	871.429	870.243
165.0	907.516	905.584	903.806	902.078	900.270	898.696	897.357	896.243	895.384	894.761
167.5	924.389	923.265	921.977	920.699	919.565	918.594	917.776	917.122	916.642	916.325

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CANDELA TABULATION - (Cont.)

170.0	939.760	938.870	938.104	937.440	936.898	936.479	936.183	935.999	935.948	936.009
172.5	952.575	952.228	951.962	951.758	951.635	951.574	951.594	951.686	951.850	952.095
175.0	962.826	962.887	962.979	963.102	963.255	963.439	963.654	963.909	964.185	964.492
177.5	970.675	970.828	970.992	971.166	971.350	971.544	971.738	971.953	972.167	972.392
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Horizontal Angles
Angles

	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1033.733	1034.080	1034.427	1034.765	1035.112	1035.460	1035.807	1035.613	1035.409	1035.214
5.0	1029.767	1030.401	1031.045	1031.709	1032.383	1033.058	1033.753	1033.354	1032.966	1032.578
7.5	1022.174	1022.981	1023.829	1024.708	1025.638	1026.599	1027.601	1027.008	1026.456	1025.945
10.0	1011.330	1012.260	1013.282	1014.376	1015.561	1016.818	1018.147	1017.411	1016.747	1016.164
12.5	997.513	998.474	999.567	1000.783	1002.132	1003.614	1005.219	1004.258	1003.420	1002.725
15.0	979.822	980.680	981.764	983.062	984.564	986.271	988.182	987.150	986.322	985.688
17.5	959.157	959.893	960.925	962.223	963.817	965.688	967.844	966.648	965.739	965.105
20.0	935.896	936.377	937.205	938.411	939.974	941.916	944.226	942.979	942.110	941.609
22.5	910.265	910.479	911.174	912.339	913.975	916.080	918.645	917.245	916.315	915.845
25.0	881.802	881.863	882.569	883.918	885.880	888.435	891.572	889.927	888.833	888.312
27.5	850.815	850.427	850.672	851.581	853.186	855.496	858.541	856.783	855.782	855.526
30.0	818.172	817.201	817.038	817.692	819.174	821.494	824.662	822.884	821.954	821.862
32.5	784.579	783.169	782.607	782.924	784.150	786.317	789.444	787.451	786.449	786.439
35.0	749.657	748.431	747.225	746.990	747.767	749.596	752.519	750.884	750.322	750.802
37.5	711.557	712.508	710.729	710.137	710.770	712.630	715.727	714.061	713.611	714.378
40.0	672.629	674.878	673.488	672.548	672.936	674.663	677.770	676.216	676.033	677.187
42.5	634.059	635.899	636.420	635.091	635.163	636.686	639.700	637.524	636.951	638.014
45.0	596.552	597.737	600.067	598.289	597.982	599.209	602.040	599.188	598.054	598.708
47.5	558.962	559.637	561.436	560.444	559.514	560.342	562.989	558.124	555.396	555.089
50.0	522.743	522.262	523.448	523.887	522.324	522.497	524.552	517.827	513.361	511.378
52.5	486.840	485.481	486.196	487.985	485.450	484.806	486.216	479.277	474.484	471.806
55.0	450.191	449.036	449.016	450.743	447.953	445.929	446.154	440.778	437.528	434.483
57.5	412.673	413.491	412.346	412.878	409.883	404.794	402.106	396.209	393.429	387.583
60.0	376.004	377.987	375.963	375.248	373.429	367.133	363.515	353.765	347.756	334.899
62.5	339.682	339.856	340.530	339.662	339.764	330.627	324.035	307.469	295.910	279.353
65.0	304.811	304.648	306.641	304.352	303.585	291.996	281.663	263.369	248.520	231.003
67.5	269.716	270.483	270.718	269.052	264.402	250.656	234.815	219.894	206.843	192.085
70.0	235.224	236.470	235.755	235.990	226.220	212.678	197.205	183.050	170.480	158.492
72.5	201.477	201.181	203.122	201.344	191.645	176.356	165.227	145.512	136.876	131.654
75.0	164.051	164.971	165.697	165.871	160.791	141.312	135.609	114.576	108.751	105.000
77.5	127.362	127.454	128.302	130.060	126.074	112.256	106.145	87.309	80.922	77.999
80.0	95.618	95.945	95.956	95.956	93.482	83.712	81.300	60.482	56.639	55.781
82.5	68.127	68.801	69.128	69.660	69.271	54.841	45.714	38.897	39.275	42.791
85.0	44.529	44.856	46.143	46.848	46.961	39.848	17.670	23.853	30.711	34.319
87.5	30.864	31.978	31.825	32.868	32.868	32.428	13.133	26.041	29.648	30.302
90.0	24.007	24.998	25.938	26.255	27.257	27.727	20.501	27.563	26.705	25.478
92.5	21.605	23.966	22.249	22.045	21.830	19.479	5.703	15.933	16.485	16.280
95.0	26.500	25.867	26.807	26.827	26.337	25.877	8.881	11.518	14.492	15.851
97.5	42.852	42.965	42.924	42.914	42.617	42.577	42.341	21.493	21.442	23.475
100.0	65.244	65.428	65.173	64.723	65.316	67.932	69.741	39.746	36.148	34.891
102.5	92.011	92.000	92.062	92.716	94.463	95.312	94.842	67.769	57.396	54.176
105.0	121.138	121.444	121.015	121.332	122.068	121.608	121.250	104.162	86.461	77.979
107.5	150.561	149.345	149.478	149.100	148.405	147.720	148.037	141.557	123.427	106.993
110.0	178.523	178.380	177.194	177.818	176.039	175.191	175.242	174.568	162.590	142.528
112.5	209.214	208.049	206.996	206.464	205.596	204.216	204.564	204.492	199.668	183.888
115.0	240.262	238.463	238.484	236.808	237.288	235.765	236.470	235.070	234.610	223.654

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CANDELA TABULATION - (Cont.)

117.5	269.859	269.011	268.735	268.111	268.776	267.151	268.173	266.343	267.008	261.295
120.0	300.141	300.662	299.344	299.610	300.131	299.017	300.172	297.729	297.555	295.787
122.5	331.261	331.016	329.973	330.678	329.963	328.798	329.677	327.571	327.541	327.428
125.0	363.832	361.747	361.021	362.013	360.316	359.550	360.705	358.579	358.415	359.335
127.5	396.822	394.288	393.613	394.042	391.825	391.457	392.969	390.731	390.363	391.804
130.0	430.006	427.922	427.513	426.869	424.988	424.753	426.235	423.997	423.558	424.927
132.5	462.997	461.566	461.494	459.747	458.295	458.398	460.074	458.173	457.897	459.287
135.0	495.885	495.241	495.466	492.808	491.582	491.807	493.483	491.929	491.837	493.207
137.5	529.048	528.987	528.129	525.860	524.746	524.879	526.340	525.052	525.093	526.371
140.0	564.338	564.359	561.701	559.647	558.901	559.473	561.385	559.617	559.136	559.913
142.5	602.101	601.202	598.105	596.225	595.560	596.143	597.982	595.949	595.141	595.519
145.0	640.763	637.943	635.306	633.722	633.221	633.834	635.602	633.354	632.250	632.270
147.5	675.736	673.355	671.771	671.025	671.158	672.200	674.193	671.730	670.238	669.706
150.0	708.593	706.631	705.476	705.139	705.630	706.968	709.156	706.795	705.282	704.628
152.5	741.543	739.979	739.131	739.018	739.632	741.001	743.117	740.889	739.417	738.691
155.0	774.788	773.225	772.397	772.305	772.928	774.247	776.250	774.145	772.714	771.957
157.5	808.402	807.012	806.194	805.959	806.317	807.278	808.831	807.043	805.847	805.244
160.0	840.472	839.573	839.154	839.236	839.798	840.840	842.353	840.534	839.195	838.316
162.5	869.395	868.904	868.751	868.945	869.497	870.407	871.664	870.080	868.853	867.985
165.0	894.383	894.250	894.383	894.761	895.395	896.284	897.428	895.998	894.833	893.923
167.5	916.192	916.243	916.478	916.897	917.511	918.318	919.320	918.134	917.153	916.366
170.0	936.203	936.520	936.970	937.532	938.227	939.034	939.974	938.922	938.002	937.194
172.5	952.402	952.790	953.240	953.771	954.374	955.039	955.774	954.957	954.200	953.516
175.0	964.829	965.207	965.596	966.025	966.475	966.955	967.466	966.914	966.383	965.882
177.5	972.627	972.862	973.107	973.363	973.618	973.884	974.150	973.864	973.588	973.312
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Angles **Horizontal Angles**

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1035.010	1034.816	1034.611	1034.417	1034.223	1034.029	1033.835	1033.641	1033.446	1033.262
5.0	1032.210	1031.852	1031.505	1031.167	1030.840	1030.534	1030.247	1029.972	1029.706	1029.461
7.5	1025.465	1025.025	1024.626	1024.269	1023.952	1023.686	1023.451	1023.267	1023.124	1023.032
10.0	1015.643	1015.204	1014.836	1014.550	1014.325	1014.182	1014.100	1014.100	1014.171	1014.315
12.5	1002.153	1001.723	1001.437	1001.284	1001.284	1001.427	1001.703	1002.142	1002.715	1003.440
15.0	985.239	984.993	984.922	985.044	985.341	985.811	986.455	987.262	988.243	989.378
17.5	964.768	964.717	964.942	965.463	966.281	967.364	968.744	970.389	973.097	973.894
20.0	941.477	941.701	942.274	943.204	944.471	946.065	947.987	950.225	951.094	950.041
22.5	915.845	916.325	917.265	918.666	920.526	922.846	925.615	924.685	923.530	922.856
25.0	888.363	888.997	890.213	892.012	894.383	896.795	895.875	894.628	894.117	894.117
27.5	856.037	857.294	859.287	862.016	865.634	864.285	863.631	863.151	863.294	864.040
30.0	822.587	824.131	826.450	829.547	829.026	828.873	828.965	829.752	831.049	832.766
32.5	787.431	789.423	792.397	793.419	793.092	793.338	794.084	795.617	797.906	800.369
35.0	752.274	754.675	757.067	755.943	755.943	756.944	758.682	761.094	764.078	765.437
37.5	716.340	719.478	719.508	718.813	719.253	720.510	722.953	726.550	726.949	726.458
40.0	679.640	682.246	680.049	679.793	680.928	682.951	686.212	686.181	685.680	686.804
42.5	640.763	640.099	637.554	637.299	638.627	642.102	643.553	642.358	642.439	644.177
45.0	601.181	596.317	592.484	590.430	592.034	595.019	596.695	597.492	598.156	600.149
47.5	555.580	552.779	550.265	548.180	547.945	549.386	552.503	555.314	556.959	558.186
50.0	510.479	510.162	511.000	511.511	508.506	510.182	512.901	517.490	518.215	519.023
52.5	469.088	468.904	472.062	468.842	464.938	466.328	471.162	473.053	469.527	472.205
55.0	427.063	425.377	427.329	414.952	410.343	411.917	416.128	414.278	411.774	415.780
57.5	377.506	372.652	364.190	353.346	344.721	347.766	353.908	355.758	355.309	354.481
60.0	321.746	313.866	304.157	294.091	287.131	290.136	295.460	301.173	303.912	309.267
62.5	264.800	256.389	251.463	243.042	244.636	246.149	248.601	253.517	260.007	265.597

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CANDELA TABULATION - (Cont.)

65.0	216.214	213.118	210.144	209.408	210.358	210.624	213.486	217.553	221.314	224.073
67.5	183.684	182.049	180.966	181.906	183.429	184.338	186.689	188.375	190.296	194.108
70.0	157.194	156.438	156.765	158.063	158.461	160.413	163.326	164.614	166.208	168.875
72.5	132.860	130.663	131.082	132.114	133.391	136.417	138.062	140.433	143.254	146.115
75.0	103.641	103.396	103.988	105.511	107.034	109.589	112.338	115.905	118.399	121.005
77.5	77.437	78.255	79.154	81.504	83.048	84.959	87.238	91.122	92.798	95.424
80.0	58.121	59.807	61.320	62.148	62.792	64.519	65.715	67.626	69.373	72.163
82.5	46.113	47.595	47.799	48.054	47.738	47.237	47.605	48.903	50.456	52.357
85.0	35.760	35.770	36.077	35.627	34.094	33.246	32.254	32.132	32.387	35.024
87.5	28.810	29.342	28.023	25.407	23.761	23.598	23.087	23.506	24.058	25.509
90.0	24.099	22.351	21.094	19.633	18.416	17.210	16.444	16.250	16.250	16.199
92.5	15.534	15.729	14.584	13.623	13.664	14.134	14.635	15.146	15.821	16.352
95.0	15.831	14.983	14.962	15.442	15.453	15.790	16.005	15.821	15.514	16.669
97.5	25.877	26.337	26.204	24.824	23.250	23.496	25.376	27.103	28.248	29.025
100.0	37.180	38.877	39.439	39.940	39.337	38.908	39.582	40.553	42.270	44.508
102.5	53.338	53.870	54.033	55.116	56.251	56.823	58.193	59.623	61.545	63.303
105.0	74.524	73.543	73.625	73.707	75.035	77.100	78.878	80.319	82.588	85.122
107.5	100.003	97.897	96.957	97.223	98.388	99.992	102.455	104.724	106.605	109.170
110.0	133.310	126.432	124.909	124.490	125.471	127.239	129.201	131.511	134.301	138.042
112.5	173.117	163.602	158.686	157.623	156.407	158.175	160.066	161.915	165.002	170.040
115.0	217.379	206.822	198.994	195.754	194.344	193.005	193.761	197.093	200.956	205.279
117.5	259.455	253.354	243.491	238.198	236.164	234.437	233.507	236.286	240.845	245.883
120.0	294.735	294.448	285.547	281.857	281.827	278.986	277.933	279.772	284.106	288.337
122.5	326.304	326.948	323.974	321.603	323.105	323.902	322.124	322.696	326.090	331.343
125.0	357.966	358.375	359.969	358.497	359.580	362.289	363.188	362.330	364.047	366.591
127.5	390.864	391.089	393.214	394.104	394.543	396.127	397.926	398.641	399.071	400.542
130.0	425.264	425.244	426.644	429.424	429.526	430.466	430.548	432.255	433.737	434.360
132.5	460.881	460.288	461.106	462.966	464.468	463.538	463.804	465.020	467.064	469.405
135.0	496.038	494.965	494.658	495.353	497.152	498.194	498.021	498.838	500.484	503.223
137.5	528.803	529.161	528.241	528.486	530.030	532.462	533.290	534.056	535.712	537.971
140.0	561.865	564.195	563.194	563.183	564.297	566.576	569.796	571.145	572.034	573.618
142.5	597.011	599.597	599.853	599.628	600.425	602.132	604.595	607.742	609.286	610.492
145.0	633.354	635.490	637.840	637.227	637.462	638.300	639.956	642.470	645.669	647.682
147.5	670.125	671.485	673.764	674.356	673.927	674.254	675.215	676.922	679.313	682.165
150.0	704.822	705.844	707.704	710.362	709.963	709.994	710.188	711.220	712.917	715.277
152.5	738.691	739.437	740.889	743.055	745.580	744.977	745.150	746.121	747.746	750.005
155.0	771.896	772.530	773.848	775.861	778.570	781.513	781.830	781.830	782.688	784.129
157.5	805.213	805.745	806.818	808.433	810.569	813.195	816.159	816.558	816.854	817.641
160.0	837.928	838.009	838.571	839.614	841.137	843.119	845.582	848.495	850.028	849.752
162.5	867.474	867.300	867.484	868.015	868.884	870.090	871.623	873.483	876.610	877.796
165.0	893.279	892.901	892.789	892.942	893.361	894.046	894.996	896.212	897.674	899.391
167.5	915.773	915.375	915.170	915.160	915.334	915.681	916.223	916.928	917.817	918.870
170.0	936.520	935.968	935.539	935.242	935.069	935.018	935.089	935.283	935.610	936.050
172.5	952.913	952.371	951.911	951.523	951.206	950.971	950.807	950.726	950.715	950.787
175.0	965.412	964.962	964.553	964.165	963.817	963.501	963.204	962.959	962.734	962.550
177.5	973.036	972.770	972.515	972.269	972.024	971.789	971.564	971.350	971.135	970.941
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Angles

Horizontal Angles

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1033.078	1032.894	1032.721	1032.547	1032.373	1032.210	1032.046	1031.893	1031.740	1031.597
5.0	1029.236	1029.031	1028.837	1028.663	1028.510	1028.377	1028.265	1028.163	1028.091	1028.030
7.5	1022.971	1022.971	1023.002	1023.083	1023.206	1023.513	1023.288	1023.155	1023.042	1022.961
10.0	1014.519	1014.795	1015.142	1015.408	1015.572	1015.796	1016.072	1016.410	1016.808	1017.258

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12.5	1004.299	1005.086	1005.525	1006.057	1006.660	1007.344	1008.101	1009.164	1008.050	1007.150
15.0	990.481	991.677	993.057	993.312	992.689	992.658	991.228	990.246	989.500	988.969
17.5	974.232	972.995	972.085	971.493	971.023	970.552	970.317	970.317	970.440	969.858
20.0	949.326	948.947	948.907	948.559	948.273	948.344	948.784	948.998	949.244	949.745
22.5	922.651	922.917	923.132	923.500	924.225	925.268	925.809	926.760	928.109	928.886
25.0	894.628	895.231	896.110	897.490	899.207	900.413	901.966	902.600	901.680	901.240
27.5	865.123	866.329	868.046	870.202	871.541	871.091	870.795	870.131	870.059	869.885
30.0	834.371	836.599	838.387	837.304	837.018	837.110	837.110	837.570	837.744	838.316
32.5	803.486	802.178	801.810	801.922	802.495	802.873	803.844	804.467	805.356	806.297
35.0	765.141	765.151	765.437	766.653	767.348	768.820	770.138	771.784	773.092	772.867
37.5	726.938	727.603	728.911	730.372	732.396	734.470	735.482	735.247	735.288	735.012
40.0	688.174	690.034	692.313	694.500	695.481	695.931	696.452	696.575	696.800	697.443
42.5	647.294	651.883	653.947	654.846	655.071	656.052	657.504	658.577	658.924	659.537
45.0	604.227	608.018	611.125	612.863	615.080	616.378	618.351	620.783	621.805	622.204
47.5	560.935	565.411	568.978	571.492	573.965	577.164	579.494	581.794	584.298	584.175
50.0	522.160	526.258	530.101	532.758	534.056	537.184	540.485	542.784	544.900	546.402
52.5	480.687	488.628	494.648	492.778	494.403	498.378	502.057	504.776	506.881	508.711
55.0	427.380	441.013	443.936	445.296	450.896	457.887	464.499	468.004	469.834	471.111
57.5	368.431	381.717	390.649	394.012	401.370	414.707	425.694	427.707	429.506	432.367
60.0	316.319	328.808	337.434	341.644	350.577	366.377	377.128	382.432	386.377	392.826
62.5	272.731	282.031	291.546	298.761	308.624	320.959	332.446	336.299	341.798	350.761
65.0	231.943	241.468	250.032	258.188	267.876	279.916	289.471	292.272	297.361	308.276
67.5	199.556	205.575	212.157	218.350	228.386	240.671	250.155	255.500	259.496	268.377
70.0	172.462	175.273	178.809	185.329	193.853	204.012	213.005	219.526	223.225	230.430
72.5	147.945	150.306	153.361	158.338	163.173	170.081	176.847	182.989	188.099	193.822
75.0	122.732	126.197	129.222	133.432	136.110	139.237	143.826	150.009	156.070	161.364
77.5	97.948	101.730	105.307	108.342	110.345	112.686	116.580	121.577	126.493	130.458
80.0	75.127	77.938	80.585	83.007	84.765	86.850	89.956	93.963	97.601	100.258
82.5	53.921	55.392	56.527	58.377	59.388	61.432	64.529	68.515	71.704	74.095
85.0	36.506	38.243	39.480	41.841	43.241	45.428	47.595	50.190	52.194	53.757
87.5	26.173	26.930	27.451	28.575	29.127	30.108	31.028	32.142	32.898	33.522
90.0	16.076	15.759	15.657	15.432	15.197	14.942	14.645	14.226	13.705	13.337
92.5	17.016	17.660	18.376	19.244	20.205	21.217	22.137	23.087	23.945	24.589
95.0	18.120	19.704	21.258	23.220	25.376	27.645	29.781	32.070	34.278	35.893
97.5	29.699	30.445	31.202	32.275	33.511	34.983	37.722	41.350	44.804	47.319
100.0	46.573	48.841	51.335	53.808	56.087	58.509	61.197	64.325	67.135	68.729
102.5	65.551	68.300	72.480	76.057	79.266	82.629	86.553	90.876	94.443	96.415
105.0	88.587	92.941	97.529	101.301	104.356	107.494	112.706	118.092	122.170	124.337
107.5	113.697	119.267	125.093	130.305	134.669	138.961	143.959	148.691	151.818	153.177
110.0	142.906	148.476	154.690	160.945	166.433	171.757	177.194	181.773	184.379	185.258
112.5	175.856	182.315	189.438	194.640	199.832	205.647	210.900	214.702	216.766	217.574
115.0	211.411	218.688	225.392	230.992	235.735	240.824	244.943	247.886	249.337	250.237
117.5	251.218	257.380	263.696	267.897	271.893	275.664	278.679	280.999	282.154	283.431
120.0	292.793	296.676	300.785	304.811	308.327	310.218	312.313	314.234	315.624	317.229
122.5	332.692	334.654	336.626	339.365	342.155	344.363	346.570	348.144	349.759	351.435
125.0	369.852	370.874	371.947	373.970	376.096	378.447	380.603	382.473	384.436	386.347
127.5	402.249	404.528	406.899	409.137	411.314	413.726	415.290	417.078	419.061	421.074
130.0	435.760	437.743	440.646	444.079	447.881	449.271	450.763	452.501	454.177	456.425
132.5	470.539	472.563	475.138	478.286	481.311	484.193	486.840	488.352	490.090	492.492
135.0	506.605	508.404	510.601	513.197	515.977	518.379	520.893	523.213	526.044	529.222
137.5	540.658	543.949	547.250	549.580	551.553	553.781	555.876	558.421	561.456	564.747
140.0	575.938	578.983	582.346	585.841	588.345	590.062	592.218	594.855	597.850	601.243
142.5	612.372	614.334	616.910	619.720	622.940	626.660	629.828	632.373	635.347	638.086
145.0	648.643	650.084	651.913	654.489	657.422	660.958	664.729	668.930	672.905	675.665
147.5	685.353	686.283	688.082	690.473	693.263	696.186	699.661	702.840	706.314	709.278
150.0	718.589	722.523	726.213	727.541	729.677	732.151	734.532	737.404	739.570	741.880

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CANDELA TABULATION - (Cont.)

152.5	752.672	755.616	759.131	763.127	766.367	768.094	769.965	771.273	773.051	774.482
155.0	786.133	788.391	790.967	794.022	797.375	800.083	803.231	805.561	805.959	806.849
157.5	818.929	820.686	822.127	823.701	825.694	828.086	829.833	831.898	834.289	836.487
160.0	849.885	850.437	851.377	852.215	853.135	854.382	855.935	857.335	858.848	860.698
162.5	879.012	878.869	879.032	879.513	880.024	880.463	881.199	882.241	883.488	884.275
165.0	901.046	902.753	904.644	905.502	905.604	906.483	905.993	906.177	906.606	907.280
167.5	920.096	921.302	922.314	923.469	924.767	926.198	927.751	929.805	929.427	929.397
170.0	936.612	937.297	938.104	938.809	939.412	940.107	940.904	941.793	942.775	943.848
172.5	950.930	951.155	951.451	951.819	952.269	953.066	952.995	953.127	953.311	953.546
175.0	962.397	962.274	962.193	962.141	962.121	962.141	962.203	962.284	962.407	962.571
177.5	970.757	970.573	970.409	970.256	970.113	969.980	969.858	969.755	969.663	969.582
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

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>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1031.453	1031.331	1031.198	1031.086	1030.973	1030.871	1030.769	1030.687	1030.605	1030.534
5.0	1027.999	1027.713	1027.447	1027.202	1026.957	1026.732	1026.517	1026.313	1026.139	1025.965
7.5	1022.920	1022.899	1022.920	1022.961	1023.093	1022.756	1022.409	1022.071	1021.765	1021.479
10.0	1017.738	1017.728	1017.759	1017.840	1017.953	1018.106	1018.382	1017.953	1017.493	1017.064
12.5	1006.404	1005.822	1005.413	1004.789	1003.972	1003.297	1002.786	1002.429	1001.672	1000.793
15.0	988.591	987.886	987.375	987.058	987.119	986.240	985.607	985.167	984.973	984.033
17.5	969.530	969.469	969.428	969.050	968.887	968.948	968.468	967.936	967.619	967.190
20.0	950.276	950.256	950.521	951.155	950.910	950.961	951.431	950.746	950.358	950.266
22.5	929.662	929.989	928.865	927.966	927.588	926.320	925.533	924.849	923.704	922.999
25.0	900.821	899.953	899.575	898.890	898.358	898.031	897.142	896.713	895.814	895.088
27.5	869.845	870.039	869.630	869.742	869.323	869.201	868.802	868.312	867.882	867.157
30.0	838.868	839.256	839.808	839.920	840.411	840.237	840.523	839.961	839.900	839.195
32.5	807.584	808.657	809.496	808.841	808.279	807.595	806.920	806.041	805.316	804.324
35.0	772.591	772.836	772.438	772.203	771.671	771.641	770.823	770.363	769.597	768.840
37.5	734.961	735.165	735.840	735.380	735.257	735.217	734.869	734.818	733.898	733.387
40.0	697.505	697.975	698.639	698.966	698.915	698.884	699.028	698.660	698.220	697.975
42.5	660.508	660.978	661.765	662.757	662.195	662.123	662.675	661.970	661.633	661.438
45.0	622.878	623.451	624.125	624.514	624.646	624.841	625.035	624.994	624.922	624.462
47.5	584.788	585.831	586.454	586.863	587.149	587.538	587.783	588.038	588.273	587.640
50.0	547.434	548.170	549.059	549.805	549.693	550.173	550.674	551.093	551.532	550.868
52.5	509.896	511.010	512.002	512.932	512.369	512.594	513.218	513.606	513.943	513.535
55.0	472.297	473.472	474.004	474.678	474.760	474.872	475.557	475.864	476.252	476.140
57.5	434.503	435.627	436.149	436.731	437.212	437.344	437.937	438.182	438.612	438.734
60.0	396.291	398.049	398.692	399.060	399.704	400.215	400.328	400.573	401.002	401.309
62.5	357.915	360.909	361.461	361.165	361.839	361.880	361.798	361.563	361.441	361.400
65.0	318.312	321.521	321.603	321.715	323.218	323.371	322.901	322.237	321.623	321.276
67.5	278.628	281.612	281.622	282.205	284.412	285.077	284.177	283.063	281.888	281.203
70.0	238.238	241.805	242.020	242.643	245.464	246.977	245.587	244.013	242.234	241.141
72.5	199.392	203.225	204.134	204.962	207.783	209.776	208.406	207.057	205.667	205.156
75.0	165.942	168.937	169.724	169.989	171.553	173.004	171.676	170.500	169.437	169.427
77.5	133.340	135.047	135.374	135.313	135.711	136.233	134.945	133.892	133.167	133.698
80.0	101.403	101.495	101.076	100.871	100.176	99.481	98.214	97.264	96.865	97.948
82.5	74.933	74.984	75.015	75.383	75.005	74.453	73.645	73.277	73.410	74.657
85.0	54.156	54.023	53.808	53.696	53.032	52.050	50.957	50.589	50.783	51.815
87.5	33.419	33.082	32.653	32.040	31.089	29.648	28.269	27.911	28.187	28.974
90.0	12.703	12.162	11.518	10.373	9.137	7.236	5.580	5.222	5.590	6.132
92.5	24.671	24.518	24.191	23.813	23.199	22.126	21.155	21.217	21.953	22.688
95.0	36.659	36.884	36.894	37.272	37.272	37.017	36.741	37.221	38.325	39.245
97.5	48.709	49.291	49.679	50.783	51.396	51.958	52.347	53.267	54.708	55.811

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CANDELA TABULATION - (Cont.)

100.0	69.118	68.811	68.505	69.097	69.343	69.741	69.987	70.682	71.959	71.836
102.5	97.100	97.284	97.621	98.582	99.379	100.125	100.463	101.250	102.609	103.641
105.0	125.297	125.961	126.881	128.241	129.538	130.540	130.980	131.858	133.289	134.444
107.5	153.709	154.905	156.335	158.093	159.841	161.016	161.527	162.508	164.000	165.257
110.0	186.024	186.709	188.130	189.918	191.645	192.637	193.005	193.833	195.161	196.357
112.5	218.647	219.158	221.171	223.317	225.310	226.485	227.180	228.243	229.746	231.136
115.0	251.238	251.954	254.682	256.982	259.189	260.528	261.448	262.736	264.391	265.935
117.5	284.269	285.506	288.265	290.882	293.324	294.775	295.818	297.310	299.119	300.754
120.0	318.210	320.387	323.126	325.752	328.185	329.983	330.709	332.303	334.112	335.707
122.5	352.897	355.687	358.446	361.216	363.597	365.212	366.540	368.411	370.250	371.824
125.0	388.493	391.344	394.196	397.098	399.255	400.910	402.566	404.661	406.439	407.993
127.5	423.895	426.992	430.201	433.410	435.178	436.874	438.755	441.003	442.710	444.212
130.0	459.573	462.516	465.756	468.853	471.070	472.910	475.026	477.254	479.052	480.503
132.5	495.414	498.664	501.822	504.602	507.055	509.109	511.337	513.504	515.466	516.907
135.0	532.104	535.129	538.359	541.006	543.316	545.564	547.894	549.948	551.870	553.372
137.5	568.293	571.584	574.855	578.084	579.995	582.203	585.034	586.587	588.335	590.052
140.0	604.257	607.487	610.287	612.965	615.479	617.881	620.487	622.797	624.493	626.118
142.5	641.039	643.369	646.057	648.060	650.380	652.721	655.000	657.800	658.842	660.335
145.0	677.637	679.702	681.521	683.626	685.476	687.796	689.809	691.955	693.325	694.592
147.5	712.109	714.817	717.505	719.140	720.868	722.779	724.925	726.489	727.960	728.901
150.0	744.088	746.162	748.503	750.639	753.173	755.483	758.252	759.806	761.829	762.770
152.5	775.943	777.773	779.398	781.513	783.312	785.489	787.287	788.892	790.394	791.294
155.0	808.003	809.138	810.732	812.081	813.614	815.382	816.558	818.203	818.990	819.848
157.5	838.888	840.973	841.689	842.649	844.182	844.877	846.083	847.269	847.637	848.454
160.0	862.660	864.162	865.961	868.189	869.569	871.337	873.738	874.239	875.220	876.610
162.5	885.328	886.657	888.026	889.068	890.366	891.930	892.676	893.279	894.127	894.843
165.0	908.108	908.548	909.222	910.122	911.614	911.501	911.808	912.319	913.228	913.126
167.5	929.570	929.938	930.500	930.735	930.623	930.694	930.940	931.359	931.430	931.379
170.0	944.972	945.401	945.902	946.474	947.098	947.782	948.723	948.794	948.988	949.019
172.5	953.833	954.160	954.538	954.967	955.601	955.560	955.611	955.703	955.836	956.009
175.0	962.755	962.652	962.571	962.520	962.489	962.489	962.520	962.571	962.652	962.755
177.5	969.510	969.459	969.408	969.387	969.367	969.367	969.377	969.398	969.428	969.479
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Angles **Horizontal Angles**

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1030.472	1030.411	1030.370	1030.135	1029.910	1029.696	1029.491	1029.307	1029.123	1028.950
5.0	1025.812	1025.679	1025.567	1025.107	1024.667	1024.248	1023.850	1023.472	1023.114	1022.777
7.5	1021.213	1020.978	1020.763	1020.089	1019.445	1018.822	1018.239	1017.677	1017.156	1016.665
10.0	1016.665	1016.297	1015.960	1015.081	1014.233	1013.425	1012.659	1011.923	1011.105	1009.695
12.5	1000.068	999.496	999.087	998.034	997.155	996.419	995.857	995.121	993.956	992.944
15.0	983.235	982.622	982.203	980.956	979.894	979.025	978.217	976.664	975.305	974.140
17.5	966.352	965.729	965.330	963.879	962.642	961.620	960.046	958.299	956.776	955.284
20.0	949.428	948.815	948.447	946.801	945.391	944.144	941.967	940.046	938.278	935.937
22.5	922.018	921.006	920.423	918.717	917.449	916.100	914.383	913.096	911.450	909.948
25.0	894.322	893.136	892.410	890.571	889.212	887.464	885.696	884.091	882.017	880.433
27.5	866.656	865.276	864.387	862.435	860.994	858.919	857.110	854.913	852.736	850.713
30.0	839.021	837.427	836.364	834.320	832.797	830.467	828.586	825.858	823.313	821.126
32.5	803.670	802.025	800.809	798.959	797.569	795.504	793.757	791.641	789.883	788.279
35.0	768.064	766.541	765.263	763.557	762.105	759.969	757.936	755.984	754.001	752.151
37.5	732.478	731.057	729.708	728.206	726.673	724.486	722.329	720.510	718.333	716.207
40.0	696.922	695.573	694.153	692.885	691.271	689.053	686.907	684.975	682.870	680.468
42.5	660.335	659.149	657.780	656.717	655.143	653.109	651.126	649.103	647.130	644.851
45.0	623.686	622.705	621.407	620.558	619.046	617.145	615.367	613.210	611.125	609.122

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CANDELA TABULATION - (Cont.)

47.5	587.027	586.250	585.023	584.441	583.031	581.283	579.760	577.471	575.417	573.444
50.0	550.357	549.775	548.650	548.334	547.077	545.533	544.143	541.885	540.015	537.899
52.5	513.146	512.707	511.654	511.296	510.019	508.557	507.188	505.481	503.887	501.914
55.0	475.904	475.629	474.658	474.239	472.951	471.489	470.140	468.832	467.269	465.398
57.5	438.653	438.540	437.661	437.191	435.903	434.452	433.277	432.245	430.712	429.240
60.0	401.390	401.442	400.665	400.133	398.887	397.446	396.577	395.749	394.308	393.296
62.5	361.216	361.134	360.388	360.194	359.141	358.017	357.536	356.964	356.075	355.380
65.0	320.928	320.796	320.111	320.244	319.324	318.414	318.077	317.566	316.861	316.084
67.5	280.662	280.457	279.834	280.304	279.517	278.873	278.659	278.291	277.708	277.044
70.0	240.395	240.109	239.557	240.374	239.731	239.373	239.250	239.117	238.606	238.259
72.5	204.696	204.328	203.695	204.175	203.572	203.347	203.163	203.041	202.192	201.753
75.0	169.141	168.589	167.823	167.986	167.536	167.577	167.526	167.669	166.688	166.453
77.5	133.586	132.840	131.961	131.787	131.501	131.828	131.910	132.339	131.204	131.215
80.0	98.040	97.100	96.088	95.577	95.475	96.088	96.303	97.059	95.751	96.048
82.5	74.800	74.044	73.206	72.981	72.961	73.451	73.523	74.023	72.705	72.695
85.0	51.734	51.049	50.323	50.425	50.650	51.253	51.601	52.245	51.611	51.989
87.5	28.667	28.033	27.430	27.880	28.330	29.066	29.679	30.476	30.619	31.314
90.0	5.601	5.028	4.548	5.325	6.020	6.868	7.747	8.697	9.617	10.629
92.5	22.515	22.157	22.065	22.964	23.782	24.681	25.591	26.552	27.471	28.555
95.0	39.419	39.275	39.572	40.604	41.534	42.485	43.445	44.406	45.326	46.481
97.5	56.343	56.404	57.089	58.244	59.296	60.288	61.289	62.230	63.160	64.345
100.0	73.001	73.482	74.596	75.812	76.783	77.468	79.890	81.300	82.741	84.540
102.5	104.469	104.775	105.757	107.402	108.608	109.896	111.173	112.471	113.677	115.139
105.0	135.466	135.957	136.907	138.880	139.983	141.261	142.457	143.652	144.654	145.788
107.5	166.484	167.148	168.068	170.265	171.369	172.626	173.750	174.844	175.672	176.510
110.0	196.653	198.115	199.218	201.467	201.865	204.206	205.422	206.618	207.538	208.386
112.5	232.413	233.241	234.048	236.358	237.789	238.984	240.058	241.069	241.815	242.429
115.0	267.212	268.111	268.878	271.004	272.690	273.794	274.724	275.572	276.185	276.594
117.5	302.021	302.992	303.708	305.650	307.571	308.624	309.421	310.157	310.647	310.892
120.0	335.543	337.536	338.537	339.968	341.103	343.586	344.302	345.007	345.497	345.671
122.5	373.102	374.154	374.951	377.016	378.753	379.622	380.082	380.583	381.053	380.910
125.0	409.311	410.435	411.375	413.685	415.096	415.719	415.954	416.250	416.608	416.312
127.5	445.551	446.726	447.789	450.334	451.499	451.867	451.939	451.990	452.184	451.939
130.0	481.812	482.639	484.203	486.564	487.944	488.077	488.015	487.739	487.729	487.504
132.5	518.144	519.329	520.505	522.947	524.010	524.194	524.041	523.530	523.244	523.060
135.0	554.496	555.631	556.796	558.962	560.076	560.393	560.056	559.484	559.034	558.697
137.5	590.879	591.942	593.097	594.978	596.153	596.654	596.163	595.632	595.131	594.416
140.0	627.191	627.866	629.388	630.625	632.148	632.536	631.923	631.289	630.298	629.194
142.5	661.449	662.348	663.452	664.934	666.140	666.303	665.782	665.281	664.136	663.206
145.0	695.747	696.473	697.525	698.864	700.193	700.152	699.794	699.130	698.179	697.290
147.5	730.086	730.607	731.588	732.805	734.307	734.072	733.980	733.111	732.437	731.660
150.0	763.168	764.415	765.652	766.418	767.195	767.583	767.399	765.938	764.742	763.383
152.5	792.438	792.857	793.777	794.636	795.995	795.719	795.504	794.615	793.583	792.510
155.0	820.656	821.044	821.913	822.608	823.763	823.906	823.650	823.436	822.383	821.780
157.5	848.883	849.241	850.038	850.580	851.561	852.154	851.857	851.980	851.346	850.713
160.0	876.324	877.244	878.164	878.389	878.603	879.819	879.012	878.460	878.031	876.498
162.5	895.068	895.517	896.192	896.457	896.938	897.633	897.479	896.999	896.754	896.376
165.0	913.290	913.658	914.230	914.404	914.782	915.354	915.957	915.548	915.344	915.334
167.5	931.502	931.798	932.258	932.371	932.657	933.106	933.720	934.098	933.934	933.934
170.0	949.438	949.867	950.286	950.286	950.286	950.296	950.675	950.879	950.981	950.429
172.5	956.224	956.469	956.755	956.755	956.786	956.858	956.970	957.103	957.277	957.491
175.0	962.887	963.051	963.235	963.215	963.225	963.255	963.317	963.398	963.501	963.623
177.5	969.541	969.612	969.704	969.684	969.684	969.694	969.714	969.745	969.796	969.858
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

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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	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1028.796	1028.643	1028.510	1028.387	1028.285	1028.183	1028.101	1028.030	1027.979	1027.938
5.0	1022.470	1022.184	1021.918	1021.683	1021.458	1020.978	1020.528	1020.109	1019.731	1019.394
7.5	1016.103	1015.163	1014.263	1013.415	1012.618	1011.872	1011.187	1010.554	1009.981	1009.409
10.0	1008.346	1007.069	1005.842	1004.697	1003.543	1002.316	1001.069	999.904	998.821	997.809
12.5	992.106	991.442	990.747	990.042	989.521	989.194	989.061	988.867	986.731	984.738
15.0	973.107	971.799	970.706	969.847	968.907	967.997	966.914	966.045	965.402	964.921
17.5	953.485	951.942	950.654	948.968	947.261	945.789	944.144	942.989	941.640	940.598
20.0	933.863	932.064	929.662	927.526	925.656	923.275	921.037	919.125	917.276	915.078
22.5	908.875	907.413	906.381	905.512	902.978	900.065	897.275	893.984	891.102	888.465
25.0	878.644	877.152	875.650	873.544	871.960	870.141	868.444	866.452	864.510	860.974
27.5	848.740	846.931	844.060	841.760	839.185	836.916	834.902	832.910	831.356	829.874
30.0	819.143	815.750	812.653	809.536	806.705	804.058	801.606	799.367	796.904	795.075
32.5	786.265	783.578	781.145	777.752	774.656	771.773	768.759	765.417	762.749	760.726
35.0	749.586	747.062	744.404	742.207	740.286	738.375	735.492	732.099	729.585	726.938
37.5	713.591	710.832	707.735	705.722	703.483	700.366	698.098	696.943	695.471	692.006
40.0	678.107	675.164	672.333	669.665	666.262	663.278	661.438	659.497	656.798	654.673
42.5	642.429	639.844	636.716	633.395	629.818	627.232	625.086	622.214	619.547	617.370
45.0	606.363	603.573	600.701	597.032	594.017	591.748	588.989	586.107	583.123	579.965
47.5	570.705	567.772	564.624	560.465	558.656	556.040	553.331	550.235	547.015	543.540
50.0	535.313	532.513	529.089	526.146	524.143	520.740	517.776	514.792	511.174	508.465
52.5	499.666	497.397	494.168	492.032	489.364	485.992	483.426	479.880	476.528	473.288
55.0	463.150	460.728	458.295	456.946	454.228	452.020	449.690	445.316	442.873	439.807
57.5	426.869	424.651	422.699	421.013	418.417	416.812	414.319	411.641	409.566	406.684
60.0	390.792	389.126	387.277	385.631	383.853	381.819	379.305	376.045	373.306	371.098
62.5	353.724	353.173	351.864	351.047	349.320	347.173	344.434	340.490	337.260	333.632
65.0	314.919	314.204	313.407	313.223	311.976	311.138	308.920	305.067	300.652	296.094
67.5	276.216	275.531	275.194	274.560	272.976	272.087	269.972	267.508	263.410	260.865
70.0	237.584	237.206	237.043	235.857	234.212	233.210	232.096	230.502	227.599	227.201
72.5	200.864	200.649	200.046	198.053	195.652	195.028	195.028	194.456	193.771	193.935
75.0	165.789	166.198	165.789	164.573	163.111	162.334	161.885	161.466	161.435	161.599
77.5	130.847	131.910	131.766	131.593	130.980	131.020	130.969	131.255	131.603	132.196
80.0	96.037	97.734	97.918	98.991	99.154	99.962	100.391	101.372	102.149	103.437
82.5	72.337	73.410	73.012	73.696	73.298	73.635	73.400	73.829	73.850	74.974
85.0	52.122	53.267	53.338	54.064	53.951	54.687	54.871	55.648	56.046	57.028
87.5	31.968	33.092	33.726	34.431	34.666	35.790	36.434	37.507	38.356	39.541
90.0	11.814	12.898	14.134	14.788	15.412	16.873	18.018	19.357	20.685	22.014
92.5	29.587	30.660	31.846	32.428	32.919	34.268	35.218	36.342	37.395	38.509
95.0	47.349	48.412	49.536	50.058	50.425	51.611	52.398	53.308	54.094	54.973
97.5	65.101	66.123	67.217	67.697	67.953	68.975	69.619	70.303	70.855	71.887
100.0	85.858	87.545	89.323	90.559	91.643	93.349	94.760	96.078	97.366	98.878
102.5	116.252	117.642	119.073	120.003	120.903	122.180	123.243	124.061	124.899	126.053
105.0	146.708	147.802	148.926	149.580	150.244	151.205	151.951	152.350	152.717	153.474
107.5	177.225	178.063	178.911	179.341	179.657	180.904	181.855	182.396	182.918	183.776
110.0	209.193	210.072	211.074	211.707	212.045	212.954	213.721	213.915	214.170	214.712
112.5	242.980	243.491	244.309	244.800	244.657	245.280	245.801	245.842	245.883	246.190
115.0	276.942	277.095	277.780	278.076	277.718	277.902	278.260	278.260	277.933	277.780
117.5	311.117	310.903	311.322	311.526	311.199	310.974	311.076	310.995	310.453	309.973
120.0	345.681	345.293	345.385	345.426	345.089	344.618	344.475	344.138	343.607	343.045
122.5	380.613	380.082	379.785	379.816	379.080	378.753	378.375	377.966	377.465	376.362
125.0	415.831	415.208	414.554	414.533	413.838	413.276	412.622	411.161	410.415	409.127
127.5	451.377	450.671	449.639	448.985	448.127	446.951	446.103	445.081	444.018	442.342
130.0	486.891	485.787	484.408	483.242	482.496	481.055	480.044	479.349	478.357	477.386

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CANDELA TABULATION - (Cont.)

132.5	522.344	521.189	519.840	517.704	517.060	515.865	514.689	514.005	513.259	511.358
135.0	557.940	557.051	555.876	553.955	552.432	551.349	549.407	547.608	546.126	544.430
137.5	593.813	593.332	591.636	589.510	587.190	585.146	583.317	581.354	579.740	578.442
140.0	628.274	627.048	625.546	623.788	621.642	619.863	617.922	616.184	614.539	613.241
142.5	662.154	660.978	659.527	658.127	656.574	654.908	653.518	651.852	650.431	648.214
145.0	696.309	695.471	694.245	693.161	691.587	690.351	689.012	686.457	683.401	680.683
147.5	730.904	730.004	729.115	727.020	724.782	722.503	720.490	718.384	716.453	713.898
150.0	762.238	760.450	758.968	757.067	755.268	753.551	752.069	750.925	749.238	747.981
152.5	791.232	790.221	788.698	787.645	786.000	784.559	783.445	782.699	782.535	781.728
155.0	820.646	819.705	818.888	817.794	817.150	816.077	815.014	813.665	813.093	811.100
157.5	850.478	849.466	848.853	848.454	846.799	844.795	842.864	840.421	838.398	836.650
160.0	875.231	874.198	872.349	870.795	869.528	867.862	866.298	865.031	863.815	862.404
162.5	895.211	894.281	893.586	892.472	891.358	890.509	889.559	888.864	887.985	887.372
165.0	915.375	914.526	913.893	913.474	912.993	912.605	912.104	911.849	911.818	911.920
167.5	934.108	934.455	934.425	934.047	933.842	933.822	933.985	934.067	932.575	931.134
170.0	949.939	949.489	949.111	948.784	948.467	947.506	946.535	945.646	944.839	944.124
172.5	957.614	957.277	956.980	956.725	956.520	956.357	956.244	956.173	956.142	956.030
175.0	963.777	963.950	964.145	964.359	964.594	964.492	964.410	964.359	964.349	964.359
177.5	969.919	970.001	970.103	970.205	970.317	970.440	970.583	970.726	970.880	971.043
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

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	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1027.907	1027.887	1027.887	1027.897	1027.917	1027.958	1028.009	1028.081	1028.152	1028.244
5.0	1019.097	1018.832	1018.607	1018.433	1018.290	1018.188	1018.127	1018.116	1018.137	1018.198
7.5	1008.714	1008.091	1007.528	1007.038	1006.609	1006.261	1005.975	1005.760	1005.628	1005.556
10.0	996.889	996.051	995.050	993.915	992.914	992.025	991.268	990.635	990.124	989.756
12.5	982.878	981.161	979.587	978.177	976.705	975.295	974.048	972.975	972.065	971.329
15.0	964.308	963.981	962.887	960.792	958.871	956.980	954.926	953.107	951.543	950.225
17.5	939.872	938.983	938.084	937.532	937.327	935.753	933.219	930.654	928.415	926.514
20.0	913.259	911.808	910.551	909.294	908.446	907.996	907.975	906.248	903.336	900.811
22.5	885.859	883.519	881.598	880.014	878.572	877.591	877.050	876.978	876.927	873.779
25.0	857.867	854.872	852.266	850.100	848.250	846.676	845.613	845.082	845.061	845.266
27.5	828.852	825.245	822.833	819.920	817.508	815.137	813.113	811.815	811.233	811.090
30.0	793.675	792.673	792.122	788.780	784.957	781.196	779.398	777.384	775.892	774.962
32.5	759.142	756.627	754.420	752.938	752.999	749.126	745.866	742.718	740.214	738.405
35.0	723.259	720.162	718.149	716.729	715.369	714.317	711.864	707.950	704.781	702.472
37.5	688.286	685.455	682.819	679.865	676.615	676.135	675.143	673.386	669.492	666.487
40.0	653.334	650.677	646.609	643.482	641.009	638.883	637.064	635.950	634.723	631.576
42.5	614.743	612.260	611.003	607.773	605.249	602.295	600.282	599.055	598.453	596.899
45.0	576.899	575.069	573.526	571.819	570.562	567.568	565.094	562.989	561.466	560.955
47.5	541.129	538.901	536.417	534.792	533.913	533.382	530.909	528.118	526.146	524.869
50.0	506.299	503.243	501.056	498.838	497.980	496.917	496.191	494.025	490.672	488.444
52.5	470.958	468.669	466.747	464.990	462.782	460.728	459.297	458.030	456.231	453.717
55.0	436.864	434.769	432.275	430.272	427.860	425.786	423.915	422.597	421.953	419.940
57.5	403.874	400.593	397.251	394.400	392.877	392.612	390.302	388.442	386.970	386.500
60.0	369.678	366.356	362.626	359.662	357.884	357.148	357.005	355.871	353.837	352.702
62.5	331.659	329.718	327.766	325.425	324.015	322.901	322.359	322.513	321.674	319.794
65.0	295.562	293.631	291.996	290.923	290.616	289.390	289.451	288.817	288.276	287.581
67.5	260.446	258.852	257.851	257.186	256.767	256.921	257.575	256.103	255.428	254.468
70.0	226.526	225.525	224.912	224.574	224.615	224.257	224.707	224.564	223.685	221.743
72.5	193.546	192.811	192.402	192.606	193.015	193.516	193.567	192.759	191.278	191.564
75.0	161.783	160.720	160.781	160.914	162.079	162.825	162.713	162.191	161.466	161.517
77.5	131.971	130.969	130.499	130.377	132.073	132.472	132.880	132.288	132.656	133.197

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CANDELA TABULATION - (Cont.)

80.0	103.334	103.202	103.048	103.948	104.673	104.735	104.356	104.244	105.491	106.329
82.5	75.219	75.863	76.149	77.948	78.909	79.767	79.583	80.135	80.861	81.658
85.0	56.629	56.588	56.098	57.079	57.017	57.038	56.046	57.293	58.550	60.216
87.5	40.001	40.543	40.870	42.239	42.740	43.343	43.118	43.854	44.253	44.856
90.0	23.496	24.569	25.785	27.369	28.616	29.761	30.762	31.968	33.307	34.237
92.5	39.776	40.624	41.514	42.699	43.629	44.355	45.070	45.918	46.665	47.267
95.0	56.026	56.690	57.273	58.039	58.673	59.041	59.480	61.013	62.362	63.732
97.5	73.901	75.516	76.916	78.500	79.869	81.045	82.005	83.007	83.794	84.611
100.0	100.330	101.372	102.190	103.283	104.213	104.847	105.368	106.063	107.279	108.087
102.5	127.127	127.658	127.934	128.373	129.968	130.714	131.685	131.991	133.044	133.136
105.0	154.935	155.681	156.172	156.795	158.216	158.665	159.197	159.412	159.810	160.495
107.5	184.604	185.554	185.769	186.127	187.006	187.639	187.711	187.660	187.792	188.825
110.0	215.305	215.867	216.184	216.081	216.388	216.807	217.400	217.379	217.206	216.828
112.5	246.476	246.578	246.803	246.445	246.670	247.396	248.193	247.702	246.864	246.772
115.0	277.841	277.892	277.923	277.790	277.872	278.025	277.923	277.841	277.953	277.790
117.5	309.789	309.881	310.187	309.717	308.828	308.368	308.327	308.920	308.797	307.489
120.0	342.564	342.268	341.747	341.133	340.500	340.101	340.224	339.386	338.364	337.822
122.5	374.992	374.042	373.510	373.316	373.091	373.163	371.252	369.780	369.014	369.146
125.0	407.839	406.817	406.306	406.225	405.734	403.986	402.443	401.401	401.104	400.031
127.5	441.606	440.605	439.133	438.285	436.874	435.801	434.851	434.207	432.919	431.018
130.0	476.538	474.024	471.837	469.548	469.108	468.526	468.291	466.706	464.509	463.426
132.5	509.263	507.219	504.929	503.304	502.395	502.139	500.269	498.123	496.600	495.936
135.0	542.927	541.180	539.677	537.960	536.632	533.985	531.910	530.418	529.508	529.335
137.5	577.113	576.122	575.008	571.891	569.458	566.607	564.818	563.837	563.531	562.560
140.0	612.280	610.696	608.090	605.545	603.266	601.335	599.556	598.442	597.461	594.804
142.5	645.485	643.083	641.049	639.077	636.573	636.215	635.490	634.100	630.656	628.131
145.0	678.230	676.319	674.632	673.478	672.527	671.822	669.778	666.620	664.116	662.338
147.5	711.772	710.065	708.910	708.226	707.868	704.802	701.920	699.344	697.474	696.350
150.0	746.305	744.793	743.740	741.328	738.252	735.033	733.397	731.680	730.566	730.086
152.5	780.961	777.527	774.778	771.518	768.789	766.592	764.916	763.751	763.138	763.035
155.0	809.352	806.644	804.110	801.953	799.970	798.110	796.782	795.995	795.770	795.985
157.5	835.189	833.860	832.797	831.714	830.263	829.200	828.556	828.331	827.973	825.153
160.0	861.372	860.728	860.238	859.645	859.328	859.308	859.594	858.184	855.537	853.258
162.5	887.024	886.687	886.483	886.616	887.096	886.258	884.429	882.364	880.627	879.206
165.0	911.634	911.593	910.796	909.038	907.495	906.075	904.674	903.499	902.549	901.823
167.5	929.816	928.620	927.547	926.606	925.482	924.368	923.438	922.682	922.120	921.732
170.0	943.490	942.948	942.294	941.558	940.914	940.393	939.974	939.668	939.484	939.402
172.5	955.560	955.151	954.824	954.548	954.354	954.231	954.170	954.190	954.272	954.425
175.0	964.400	964.472	964.574	964.717	964.880	965.075	965.299	965.555	965.831	966.148
177.5	971.227	971.411	971.595	971.799	972.014	972.229	972.453	972.678	972.913	973.159
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

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	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1028.357	1028.469	1028.408	1028.612	1028.817	1029.021	1029.225	1029.430	1029.634	1029.287
5.0	1018.300	1018.454	1018.638	1018.862	1018.842	1019.271	1019.690	1020.119	1020.549	1019.884
7.5	1005.566	1005.648	1005.791	1006.026	1006.322	1006.374	1006.997	1007.620	1008.244	1007.212
10.0	989.511	989.398	989.408	989.562	989.838	989.684	990.522	991.371	992.219	990.911
12.5	970.777	970.399	970.205	970.195	970.369	970.726	970.900	971.912	972.924	971.258
15.0	949.172	948.385	947.854	947.588	947.588	947.864	947.874	949.070	950.276	948.436
17.5	924.941	923.714	922.825	922.283	922.099	922.263	922.079	923.469	924.859	922.641
20.0	898.696	896.979	895.671	894.792	894.342	894.332	893.872	895.395	896.917	894.618
22.5	871.102	868.904	867.198	865.992	865.286	865.103	864.387	866.033	867.678	864.990
25.0	842.291	839.338	836.916	835.046	833.758	833.063	832.981	833.206	834.749	832.235

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CANDELA TABULATION - (Cont.)

27.5	811.785	807.717	804.569	802.219	800.655	799.889	799.899	800.308	802.219	799.337
30.0	774.369	773.991	770.261	767.338	765.253	764.017	763.659	763.741	765.641	763.046
32.5	737.363	737.189	735.871	732.754	730.597	729.412	729.187	729.452	731.619	728.318
35.0	701.020	700.346	700.642	697.811	695.154	693.529	692.967	692.936	695.113	691.986
37.5	664.412	663.625	663.932	663.646	660.764	658.934	658.199	658.015	660.130	656.287
40.0	629.429	628.101	627.590	628.162	625.270	622.827	621.672	621.172	623.348	619.863
42.5	593.690	591.493	590.297	590.041	588.713	586.035	584.860	584.451	586.986	583.439
45.0	559.157	554.834	554.067	553.444	553.934	550.868	549.090	547.925	549.856	546.504
47.5	524.398	521.527	519.053	517.950	518.338	516.417	514.659	513.790	516.182	512.441
50.0	487.535	487.055	484.040	482.772	483.130	482.834	480.677	479.298	481.434	477.928
52.5	451.959	451.377	450.181	448.730	448.781	449.762	446.961	444.979	446.829	443.037
55.0	417.579	416.833	417.354	415.535	414.768	415.617	412.735	409.577	410.691	407.696
57.5	384.180	383.505	383.322	382.841	380.899	380.726	379.029	375.943	377.476	374.430
60.0	352.570	350.904	349.626	349.585	347.194	346.294	345.753	342.534	344.353	340.857
62.5	318.844	319.181	316.197	314.756	314.541	313.059	313.018	311.465	312.701	310.126
65.0	285.782	284.658	284.484	283.166	283.666	281.684	281.765	279.905	280.171	278.045
67.5	254.212	252.608	252.751	252.260	251.882	251.208	249.951	248.837	249.818	247.273
70.0	221.713	222.019	221.396	222.714	221.651	220.864	218.279	217.165	217.400	215.581
72.5	191.308	191.329	192.024	191.625	190.031	189.172	187.149	185.851	186.546	185.156
75.0	161.977	162.539	162.263	162.089	160.658	159.381	158.154	157.838	156.591	155.405
77.5	133.616	133.841	133.718	132.574	132.390	131.991	131.562	130.162	130.223	127.627
80.0	106.942	106.002	106.176	106.472	106.308	106.206	105.930	104.694	103.120	101.321
82.5	82.107	81.975	81.535	81.198	82.404	82.588	82.036	80.370	78.295	77.468
85.0	60.676	60.707	60.553	60.645	61.310	61.494	60.737	59.859	56.844	56.312
87.5	44.559	44.018	43.435	43.864	44.702	44.283	44.406	44.723	40.522	41.350
90.0	35.208	35.944	36.506	37.068	37.446	37.610	37.906	37.998	37.078	38.151
92.5	47.666	47.962	47.799	48.402	48.862	48.954	48.668	48.555	44.743	46.940
95.0	64.672	65.142	65.480	65.878	66.358	65.980	65.275	63.640	62.178	63.548
97.5	85.449	85.889	86.185	86.359	86.543	85.950	85.286	84.121	84.846	84.581
100.0	109.078	108.833	109.242	109.272	109.088	108.567	107.944	106.697	106.595	106.625
102.5	134.117	134.628	134.945	134.158	134.086	133.667	132.349	131.910	131.572	131.112
105.0	160.934	161.323	161.640	161.854	160.638	159.647	158.349	158.063	157.306	157.991
107.5	188.692	188.855	189.591	189.172	187.598	187.680	186.566	185.697	185.217	186.229
110.0	217.042	217.635	217.267	218.361	217.185	216.909	215.611	215.111	215.530	215.315
112.5	246.956	246.210	246.588	246.312	246.179	245.495	244.933	244.094	244.677	244.186
115.0	276.533	276.563	276.747	275.041	275.521	274.039	274.213	272.833	273.579	272.455
117.5	306.917	307.612	306.120	305.650	304.863	303.043	303.084	301.326	302.001	301.112
120.0	338.057	336.923	336.350	337.127	334.828	333.540	332.876	330.515	332.814	330.137
122.5	367.123	366.765	367.082	367.072	365.232	364.864	363.791	361.860	364.241	361.492
125.0	398.376	397.619	397.834	396.372	395.872	396.710	395.320	394.196	396.873	393.398
127.5	430.027	430.047	429.076	427.308	427.124	428.024	425.898	424.569	426.767	423.885
130.0	463.038	463.027	460.196	458.909	459.041	458.714	457.038	456.098	458.439	455.015
132.5	496.457	494.648	492.563	491.531	491.817	490.243	488.792	488.015	490.437	487.484
135.0	528.057	524.960	525.144	525.063	525.696	523.366	522.508	522.426	525.216	521.915
137.5	560.066	558.533	558.135	558.830	558.421	556.367	555.590	555.467	557.879	554.966
140.0	592.903	591.861	591.799	592.770	590.430	588.447	587.619	587.354	589.530	586.955
142.5	626.547	626.026	626.394	626.057	623.246	621.570	621.018	621.049	623.277	620.620
145.0	661.285	660.989	661.643	659.006	656.420	654.754	654.060	653.845	655.746	653.457
147.5	695.859	696.043	695.072	692.272	690.259	689.104	688.828	688.981	691.076	688.756
150.0	730.004	730.188	727.398	725.334	724.026	723.494	723.760	724.424	726.724	724.230
152.5	763.465	760.807	758.539	756.965	756.096	755.943	756.484	757.384	759.632	757.190
155.0	793.338	790.793	788.790	787.349	786.490	786.225	786.572	787.216	789.137	787.052
157.5	822.649	820.635	819.113	818.091	817.580	817.600	817.058	818.969	820.891	818.734
160.0	851.367	849.875	848.791	848.127	847.892	848.096	847.831	849.650	851.479	849.456
162.5	878.102	877.336	876.907	876.804	877.050	877.632	877.888	879.656	881.424	879.451
165.0	901.332	901.077	901.056	901.281	901.741	902.446	902.917	904.460	906.003	904.368

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CANDELA TABULATION - (Cont.)

167.5	921.527	921.507	921.670	922.018	922.549	923.254	923.796	925.114	926.433	925.053
170.0	939.443	939.596	939.872	940.260	940.761	940.874	941.896	942.928	943.960	942.866
172.5	954.650	954.947	955.314	955.754	956.265	956.551	957.348	958.156	958.963	958.156
175.0	966.485	966.843	967.241	967.660	967.936	968.468	969.009	969.561	970.103	969.571
177.5	973.404	973.659	973.894	974.160	974.436	974.702	974.978	975.254	975.530	975.274
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Horizontal Angles
Angles

	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1028.939	1028.602	1028.255	1027.917	1027.580	1027.509	1027.263	1027.028	1026.803	1026.609
5.0	1019.220	1018.556	1017.902	1017.677	1017.217	1016.788	1016.410	1016.072	1015.766	1015.510
7.5	1006.190	1005.168	1004.718	1004.023	1003.420	1002.899	1002.459	1002.102	1001.836	1001.652
10.0	989.603	988.305	987.978	987.232	986.608	986.107	985.739	985.494	985.361	985.361
12.5	969.582	968.764	967.773	966.975	966.383	965.994	965.810	965.841	966.066	966.495
15.0	946.597	945.922	944.992	944.308	943.868	943.684	943.725	944.001	944.512	945.238
17.5	920.423	919.800	918.839	918.247	918.032	918.195	918.737	919.647	920.934	922.600
20.0	892.329	891.991	891.194	890.806	890.806	891.204	891.961	893.085	894.557	896.366
22.5	862.302	862.026	861.250	861.025	861.362	862.261	863.723	865.746	868.158	867.709
25.0	831.029	830.109	829.772	829.997	830.753	832.010	833.737	835.454	834.156	833.676
27.5	797.937	796.935	796.700	797.242	798.560	800.645	803.128	802.117	801.309	800.706
30.0	762.238	761.819	762.197	763.332	765.161	767.655	766.633	765.856	765.836	766.449
32.5	726.959	726.162	726.427	727.797	730.280	731.016	730.495	730.413	730.648	731.680
35.0	691.025	690.565	691.087	692.558	694.132	692.589	692.017	692.752	694.347	696.656
37.5	654.846	654.090	654.642	656.533	656.461	655.899	656.165	656.850	658.475	661.009
40.0	618.974	618.637	619.424	620.579	618.852	618.177	618.872	620.804	623.522	623.992
42.5	582.775	582.785	584.185	584.145	583.235	583.542	584.461	586.240	586.189	585.943
45.0	546.310	546.811	548.753	547.393	546.923	546.300	549.580	550.694	550.306	550.010
47.5	511.940	512.277	512.870	511.511	511.715	513.269	514.710	513.514	513.647	514.853
50.0	477.938	478.695	477.908	476.548	476.640	478.592	478.061	477.979	478.419	479.860
52.5	443.190	444.335	442.894	442.475	443.466	443.292	442.219	442.485	444.008	444.764
55.0	408.923	410.006	408.350	408.473	409.832	408.524	408.289	409.035	409.270	408.902
57.5	375.871	375.953	374.778	375.503	375.094	374.583	374.512	375.544	374.471	374.430
60.0	342.431	341.879	341.655	342.411	340.888	341.246	342.217	341.001	340.612	341.184
62.5	310.238	308.838	309.329	308.634	307.847	308.378	307.469	307.285	307.622	307.510
65.0	278.229	276.809	277.391	275.439	275.715	274.918	274.407	275.082	274.387	274.070
67.5	246.455	245.546	244.677	243.675	243.062	242.398	242.521	242.163	241.948	241.877
70.0	214.835	214.967	213.015	212.719	211.564	211.758	210.706	210.215	210.634	210.287
72.5	184.113	183.653	182.294	181.967	182.090	180.945	180.281	179.821	179.259	179.044
75.0	154.404	153.647	152.942	152.605	152.043	151.593	151.287	150.091	149.355	148.926
77.5	126.595	126.237	124.970	124.030	123.999	123.550	122.947	121.690	121.332	120.535
80.0	100.248	99.911	99.114	98.337	97.785	97.090	97.018	96.160	94.954	93.738
82.5	76.640	76.527	75.986	75.158	74.524	73.901	73.093	72.398	71.847	71.203
85.0	56.261	56.333	55.975	55.024	54.360	53.992	53.583	52.858	51.550	50.180
87.5	41.248	40.911	40.931	40.113	39.429	40.154	40.461	40.962	40.819	40.614
90.0	37.937	37.916	37.947	37.528	37.150	36.608	35.821	35.157	34.094	32.990
92.5	47.635	48.279	48.136	47.625	47.656	48.310	48.657	48.341	47.380	46.951
95.0	64.222	64.539	64.294	64.468	64.764	65.142	65.050	64.243	62.822	61.964
97.5	84.438	84.714	84.754	84.100	84.785	85.255	84.714	83.916	83.457	83.089
100.0	106.676	106.727	107.361	107.709	107.739	108.046	108.220	106.963	106.319	105.389
102.5	130.949	131.399	132.175	132.707	133.054	133.167	132.717	131.848	131.736	131.705
105.0	157.112	157.388	158.574	159.790	159.657	159.463	158.604	158.103	158.522	159.422
107.5	185.657	185.810	186.157	186.832	187.578	186.280	185.830	185.728	185.892	186.760
110.0	215.192	215.059	214.364	215.090	214.344	215.029	214.467	214.109	214.814	215.591
112.5	244.493	243.573	243.400	243.134	242.756	242.940	244.544	244.197	244.299	245.239

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CANDELA TABULATION - (Cont.)

115.0	273.436	272.475	273.457	271.872	272.138	272.302	273.242	274.581	274.417	274.182
117.5	302.614	301.940	303.064	302.716	302.267	303.646	303.544	303.953	304.321	304.086
120.0	332.109	332.222	332.753	334.184	333.131	333.898	335.236	334.276	333.867	334.082
122.5	362.933	363.270	362.861	364.108	364.282	364.261	364.455	365.375	364.343	364.926
125.0	393.736	394.472	393.644	394.431	396.158	394.737	394.492	395.851	396.751	397.108
127.5	424.416	425.602	424.375	424.110	425.152	426.062	425.980	427.002	429.475	431.069
130.0	454.974	455.843	455.924	455.740	456.814	459.011	458.888	459.614	461.157	463.293
132.5	487.739	488.659	489.681	488.761	489.078	490.632	492.655	492.727	493.135	493.902
135.0	521.496	521.843	523.652	522.610	522.508	522.365	524.981	525.655	525.236	525.860
137.5	554.619	554.926	556.551	556.642	555.620	555.559	556.540	558.462	559.044	559.463
140.0	586.812	587.231	588.784	590.655	589.193	588.733	589.418	591.247	594.007	595.029
142.5	620.170	620.293	621.560	623.962	623.992	623.440	623.900	625.423	627.855	631.167
145.0	653.303	653.661	655.020	657.361	659.834	659.098	659.302	660.212	661.898	664.361
147.5	688.378	688.440	689.390	691.199	693.815	694.612	694.296	694.602	695.338	696.708
150.0	723.392	722.932	723.269	724.373	726.233	728.809	728.318	728.011	728.195	729.023
152.5	756.096	755.370	755.340	756.024	757.425	759.540	762.535	761.308	761.094	761.370
155.0	786.235	785.714	785.775	786.419	787.614	789.342	791.570	793.869	793.389	793.511
157.5	816.588	816.895	816.650	816.936	817.733	819.051	820.860	823.160	825.939	826.011
160.0	847.432	847.504	847.085	847.105	847.555	848.413	849.681	851.326	853.350	855.741
162.5	877.479	877.039	876.283	875.874	875.834	876.150	876.825	877.867	879.257	881.015
165.0	902.733	902.170	901.373	900.832	900.525	900.474	900.658	901.087	901.751	902.651
167.5	923.673	923.070	922.304	921.711	921.292	921.067	921.016	921.149	921.466	921.967
170.0	941.783	940.700	940.536	939.984	939.565	939.259	939.085	939.034	939.106	939.300
172.5	957.348	956.541	956.244	955.744	955.304	954.936	954.650	954.425	954.282	954.211
175.0	969.040	968.508	967.977	967.711	967.313	966.935	966.587	966.270	965.974	965.718
177.5	975.008	974.753	974.497	974.242	973.986	973.762	973.526	973.291	973.067	972.842
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

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	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1026.415	1026.251	1026.098	1025.965	1025.843	1025.751	1025.669	1025.608	1025.557	1025.536
5.0	1015.285	1015.112	1014.979	1014.887	1014.836	1014.826	1014.856	1014.928	1015.050	1015.204
7.5	1001.560	1001.560	1001.642	1001.815	1002.081	1002.429	1002.868	1003.389	1003.665	1003.890
10.0	985.484	985.719	986.077	986.557	987.150	987.732	988.325	989.030	989.848	990.778
12.5	967.139	967.987	969.030	970.062	970.818	971.718	972.750	973.915	975.213	976.552
15.0	946.178	947.333	948.631	950.123	951.860	952.678	952.770	953.127	952.913	952.811
17.5	924.634	926.300	926.872	926.095	925.656	925.554	925.738	926.177	926.923	927.966
20.0	897.336	896.938	896.948	897.367	898.185	898.532	898.829	899.493	900.515	901.751
22.5	866.687	866.145	866.073	866.472	867.433	868.863	870.713	872.798	874.106	875.670
25.0	833.768	834.402	835.557	836.527	837.560	839.072	841.075	843.600	846.543	847.994
27.5	800.706	801.320	802.607	804.580	807.073	809.036	811.499	811.631	812.316	813.471
30.0	767.665	768.738	770.823	772.887	774.441	774.829	775.780	776.924	777.691	779.019
32.5	733.459	735.758	738.303	738.293	738.293	738.691	739.703	741.328	743.474	745.130
35.0	699.426	700.642	700.612	701.041	701.930	703.463	704.638	706.406	708.685	711.455
37.5	661.960	662.379	662.368	664.249	665.710	667.560	669.952	672.312	674.070	675.481
40.0	623.870	624.575	626.016	628.009	630.186	632.454	634.171	635.643	637.186	638.781
42.5	586.628	587.916	589.786	591.390	594.456	595.857	597.103	598.800	600.721	602.745
45.0	550.459	552.115	554.486	555.620	557.092	558.860	561.129	562.948	565.094	567.333
47.5	516.549	517.541	517.500	518.767	520.637	522.804	525.288	528.149	530.408	531.246
50.0	481.137	481.198	481.464	481.996	485.092	487.831	490.294	491.265	492.400	493.340
52.5	444.682	445.255	446.021	447.534	449.149	451.448	452.419	452.572	454.626	455.863
55.0	409.383	410.517	412.091	412.234	412.908	414.196	415.596	416.475	417.548	418.570
57.5	375.258	376.627	376.740	377.036	377.159	378.293	379.612	380.869	381.461	382.524
60.0	341.593	341.368	341.716	342.442	343.075	343.780	344.567	345.211	345.702	346.397

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CANDELA TABULATION - (Cont.)

62.5	307.275	307.346	307.877	308.818	309.278	309.145	309.431	310.116	310.616	311.097
65.0	274.243	274.560	274.734	274.775	275.020	275.245	275.071	275.868	276.134	276.441
67.5	242.326	241.815	241.499	241.529	241.693	242.091	241.795	242.050	242.347	242.306
70.0	209.765	209.234	209.357	209.336	209.306	209.346	209.152	208.764	209.142	208.723
72.5	178.574	178.421	178.298	177.961	177.603	177.297	176.765	176.162	176.326	175.661
75.0	148.854	148.415	148.302	147.587	146.739	146.023	145.369	144.347	144.674	144.593
77.5	120.443	119.605	119.094	118.010	117.673	117.366	117.131	116.661	116.242	115.833
80.0	93.421	93.421	93.186	92.726	91.898	91.040	90.202	89.333	88.280	87.340
82.5	70.753	70.119	69.067	67.891	66.542	65.163	63.640	62.291	61.739	61.719
85.0	49.097	49.516	49.669	49.628	49.577	49.495	49.179	48.944	48.545	48.044
87.5	40.604	40.195	39.746	39.143	38.499	37.855	37.078	36.220	35.433	34.462
90.0	32.295	30.997	29.893	28.718	27.482	26.245	25.008	23.496	22.331	20.869
92.5	46.603	45.949	45.223	44.345	43.343	42.679	41.790	40.686	39.439	38.509
95.0	61.300	61.003	60.594	59.971	59.286	59.133	58.581	57.815	56.568	56.159
97.5	82.639	82.291	81.413	80.155	78.868	78.019	76.824	75.281	73.819	73.891
100.0	105.062	105.348	105.021	104.326	103.600	103.089	102.507	101.382	99.890	99.206
102.5	131.531	130.816	129.917	129.048	128.639	128.639	128.547	127.781	126.861	126.411
105.0	158.993	158.042	157.163	156.540	156.049	155.978	155.559	154.792	154.046	153.872
107.5	186.699	185.892	185.156	184.921	185.023	185.166	184.594	183.745	183.091	182.989
110.0	215.530	214.313	213.997	214.303	214.763	214.835	214.293	213.373	213.138	213.721
112.5	245.556	244.473	243.962	244.319	244.963	245.024	244.156	243.543	243.962	245.035
115.0	274.223	274.417	274.867	275.317	275.644	275.541	274.887	274.622	275.572	276.962
117.5	303.646	304.311	305.363	306.876	307.203	306.876	306.549	306.723	307.786	309.237
120.0	335.093	335.471	336.197	337.168	337.975	338.813	339.018	339.468	340.520	341.736
122.5	366.193	367.409	367.889	368.451	368.758	369.760	370.914	372.304	373.868	374.849
125.0	397.946	398.866	400.103	400.205	400.941	402.106	403.363	405.121	406.766	407.655
127.5	430.824	430.967	431.069	432.367	434.033	435.648	437.201	438.540	440.318	441.422
130.0	464.029	463.242	463.681	464.315	466.717	469.241	472.491	473.513	474.494	475.383
132.5	495.404	497.162	497.366	498.225	499.891	502.456	504.991	507.351	509.017	510.141
135.0	527.168	529.171	531.563	532.605	534.210	536.366	538.727	540.219	541.977	544.113
137.5	560.547	562.151	564.369	566.045	569.806	571.727	572.882	574.241	575.662	577.583
140.0	595.765	597.052	598.841	601.314	603.961	606.526	608.029	608.673	610.032	611.943
142.5	632.383	633.027	633.405	635.388	637.074	638.801	640.722	643.165	645.444	647.417
145.0	667.366	668.705	668.827	669.461	670.412	671.771	673.661	676.053	678.955	682.389
147.5	698.680	701.153	704.557	704.209	704.873	706.049	707.745	709.912	712.630	715.104
150.0	730.464	731.844	734.910	737.945	740.388	741.246	742.667	744.343	745.794	747.869
152.5	762.259	763.761	765.836	768.411	771.498	774.063	777.149	778.834	778.999	780.317
155.0	794.186	795.392	797.119	798.877	800.737	802.965	805.499	808.146	811.161	812.735
157.5	826.021	826.440	827.258	828.454	829.782	831.387	833.380	835.587	837.120	838.868
160.0	857.080	856.947	857.202	857.836	858.848	859.461	860.044	860.963	862.210	863.365
162.5	883.120	884.940	885.778	885.338	885.205	885.389	885.665	885.962	886.544	887.413
165.0	903.795	905.165	906.514	907.965	909.621	910.336	910.326	910.561	910.622	910.847
167.5	922.641	923.489	924.522	925.615	926.637	927.812	929.141	930.602	932.217	933.965
170.0	939.627	940.076	940.649	941.344	942.161	942.887	943.480	944.164	944.951	945.830
172.5	954.221	954.292	954.446	954.671	954.967	955.345	955.785	956.306	956.469	956.572
175.0	965.483	965.289	965.115	964.983	964.880	964.809	964.768	964.758	964.788	964.850
177.5	972.627	972.413	972.208	972.014	971.820	971.646	971.472	971.299	971.145	971.002
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Horizontal Angles

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1025.526	1025.536	1025.567	1025.618	1025.679	1025.761	1025.863	1025.986	1026.119	1026.272
5.0	1015.398	1015.643	1015.919	1016.021	1016.154	1016.328	1016.532	1016.778	1017.053	1017.360
7.5	1004.186	1004.534	1004.933	1005.392	1005.914	1006.486	1007.109	1007.539	1007.968	1008.438

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CANDELA TABULATION - (Cont.)

10.0	991.831	992.985	994.150	994.794	995.459	996.184	996.992	997.850	998.790	999.496
12.5	976.674	976.776	977.073	977.574	978.279	978.667	978.749	979.015	979.485	980.139
15.0	952.974	953.383	953.700	954.568	955.355	956.367	957.614	958.094	958.646	959.433
17.5	928.804	929.672	930.470	931.543	932.769	933.873	935.232	936.857	937.828	938.748
20.0	903.254	905.083	906.984	908.221	909.774	911.655	913.137	914.884	916.908	918.083
22.5	877.612	879.697	882.037	884.081	884.582	885.256	886.401	887.096	888.200	889.416
25.0	848.689	849.210	850.089	851.142	852.655	853.717	854.862	856.293	857.305	858.797
27.5	815.096	816.210	817.273	818.765	820.267	822.250	823.620	825.285	826.726	828.116
30.0	780.716	782.842	784.753	786.409	788.422	790.374	792.653	794.319	796.220	797.691
32.5	747.123	749.402	751.988	754.348	756.617	758.068	759.653	761.145	762.708	763.935
35.0	713.969	715.584	717.117	719.059	720.633	722.452	724.015	725.712	727.470	729.197
37.5	677.330	678.955	680.805	682.768	684.638	686.856	688.818	690.688	692.477	694.521
40.0	640.702	642.940	644.841	647.079	649.461	651.729	653.896	655.695	657.698	659.629
42.5	604.963	607.170	609.572	611.759	614.232	616.511	617.676	618.933	620.344	621.488
45.0	569.693	572.105	573.127	574.303	575.672	577.215	578.605	579.995	581.201	582.325
47.5	532.104	533.239	534.537	535.487	537.051	538.390	539.912	541.159	542.294	543.408
50.0	494.086	495.087	496.528	497.877	499.022	500.116	501.485	502.517	503.621	504.715
52.5	457.008	457.703	458.837	460.217	461.607	462.353	463.395	464.479	465.582	466.706
55.0	420.420	421.064	421.779	423.047	424.365	425.080	425.990	427.032	428.014	428.841
57.5	383.710	384.701	384.895	386.285	387.307	388.094	388.881	389.811	390.619	391.099
60.0	347.541	348.666	349.064	349.882	350.761	351.384	352.038	352.764	353.285	353.520
62.5	311.904	312.824	313.386	313.907	314.694	315.052	315.634	316.197	316.718	316.932
65.0	276.921	277.565	278.250	278.475	279.313	279.343	279.721	280.151	280.570	280.713
67.5	242.500	242.827	243.563	243.410	243.941	243.870	243.992	244.248	244.513	244.565
70.0	208.570	208.498	208.927	208.692	208.825	208.631	208.427	208.488	208.549	208.498
72.5	175.058	174.578	174.537	174.803	174.997	175.109	174.956	175.079	175.150	175.191
75.0	144.276	144.071	144.133	144.071	143.795	143.683	143.244	142.947	142.671	142.487
77.5	115.098	114.474	113.984	113.503	112.808	112.338	111.664	110.897	110.253	109.814
80.0	86.185	85.092	84.100	83.068	81.975	81.065	80.196	78.929	77.897	77.151
82.5	61.616	61.453	61.330	61.085	60.737	60.492	60.308	59.644	59.051	58.724
85.0	47.482	46.879	46.378	45.837	45.101	44.498	44.007	43.200	42.311	41.779
87.5	33.419	32.367	31.467	30.640	29.495	28.555	27.706	26.746	25.570	24.835
90.0	19.336	17.854	16.546	15.422	13.869	12.591	11.395	10.292	8.820	7.880
92.5	37.467	36.445	35.423	34.390	33.164	32.070	30.977	30.047	28.728	27.635
95.0	55.597	55.024	54.268	53.328	52.449	51.550	50.548	49.802	48.637	47.380
97.5	73.799	73.645	73.134	72.306	71.744	70.998	70.130	69.527	68.494	67.105
100.0	98.582	97.959	96.937	95.588	94.535	93.339	92.082	91.111	89.721	87.841
102.5	126.166	125.921	125.256	124.245	123.345	122.476	121.690	121.015	119.870	118.368
105.0	153.995	154.097	153.729	152.973	152.258	151.716	151.368	150.960	150.060	148.936
107.5	183.112	183.010	182.396	181.804	181.282	181.109	181.149	180.976	180.301	179.545
110.0	214.385	214.456	213.874	213.240	212.729	212.596	212.525	212.147	211.401	210.747
112.5	245.934	246.108	245.597	245.444	245.413	245.801	245.801	245.484	244.922	244.483
115.0	277.841	277.882	277.667	277.994	278.403	279.282	279.170	278.945	278.515	278.260
117.5	309.973	310.075	310.259	310.882	311.751	312.916	312.630	312.528	312.211	312.088
120.0	342.595	342.912	343.310	344.077	345.262	346.356	346.489	346.611	346.325	346.243
122.5	375.667	376.219	376.433	377.670	379.090	380.184	380.767	381.155	381.196	381.451
125.0	409.301	409.853	410.466	411.682	413.287	414.513	415.341	415.862	416.209	416.812
127.5	442.536	443.405	444.570	446.042	447.728	449.394	450.222	450.794	451.397	452.296
130.0	476.507	477.744	479.216	480.923	482.517	484.040	485.256	485.859	486.687	487.749
132.5	511.593	512.840	514.454	515.885	517.623	519.012	520.331	521.077	522.048	523.213
135.0	546.402	548.702	550.419	551.757	553.035	554.517	555.580	556.510	557.634	558.860
137.5	579.852	582.407	585.064	586.720	588.560	590.501	591.155	592.116	593.465	594.722
140.0	614.283	617.032	619.066	621.131	623.011	624.524	625.699	627.007	628.632	630.298
142.5	649.880	652.097	654.346	656.012	657.483	658.699	659.905	661.387	662.930	664.801
145.0	685.854	688.358	689.952	691.557	692.385	693.304	694.459	695.839	697.505	699.150
147.5	718.016	720.745	723.412	725.569	727.316	728.185	729.473	730.822	732.345	733.622

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CANDELA TABULATION - (Cont.)

150.0	749.831	752.069	753.940	755.330	757.036	758.876	761.094	762.954	765.018	766.745
152.5	782.085	783.261	784.293	785.642	786.991	788.820	790.323	792.142	793.716	795.198
155.0	813.624	814.278	815.147	816.026	817.355	818.489	819.797	821.330	822.332	823.793
157.5	840.973	842.905	845.020	846.839	847.432	848.270	849.548	850.130	851.111	852.082
160.0	864.673	866.288	868.046	869.487	871.204	873.207	874.464	875.966	877.745	878.481
162.5	888.108	889.283	890.325	891.634	892.921	893.790	894.914	896.274	896.897	897.418
165.0	911.307	912.002	912.554	913.188	913.739	914.526	915.518	915.692	915.916	916.346
167.5	933.924	933.842	933.965	934.261	934.752	934.915	934.742	934.742	934.926	935.283
170.0	946.791	947.854	948.907	949.356	949.826	950.358	950.951	951.605	952.320	952.248
172.5	956.715	956.909	957.144	957.440	957.777	958.166	958.595	958.493	958.288	958.115
175.0	964.931	965.054	965.207	964.983	964.778	964.594	964.431	964.288	964.165	964.063
177.5	970.859	970.736	970.614	970.501	970.409	970.317	970.246	970.174	970.123	970.082
180.0	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010	976.010

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1035.174	1035.174	1035.174	1035.174	1035.174
2.5	1026.446	1026.640	1026.844	1027.059	1027.294
5.0	1017.708	1018.086	1018.505	1018.944	1019.425
7.5	1008.959	1009.532	1010.155	1010.829	1011.545
10.0	1000.201	1000.712	1001.693	1002.674	1003.665
12.5	980.660	981.181	981.886	982.776	983.849
15.0	960.445	961.079	961.855	962.836	964.032
17.5	939.923	941.058	941.865	942.918	944.216
20.0	919.422	921.047	921.394	922.897	924.399
22.5	890.182	891.399	892.318	893.218	894.577
25.0	859.880	861.178	862.466	863.365	864.765
27.5	829.629	830.998	832.644	833.523	834.943
30.0	799.398	800.870	801.739	803.435	805.121
32.5	765.233	766.541	768.288	769.116	770.373
35.0	730.423	731.895	733.592	734.501	735.625
37.5	695.747	697.321	698.946	699.927	700.867
40.0	661.173	662.828	664.361	665.005	666.119
42.5	622.745	624.084	625.208	626.098	626.721
45.0	583.562	584.829	585.902	586.771	587.323
47.5	544.460	545.646	546.668	547.465	547.915
50.0	505.399	506.524	507.495	507.740	508.517
52.5	467.330	468.362	469.353	470.028	470.212
55.0	429.516	430.385	431.274	431.918	431.897
57.5	391.753	392.489	393.225	393.817	393.582
60.0	354.041	354.665	353.755	355.370	355.278
62.5	317.351	317.965	318.425	318.895	318.537
65.0	280.897	281.408	281.725	282.072	281.806
67.5	244.493	244.871	245.045	245.249	245.065
70.0	208.141	208.365	207.354	208.161	208.324
72.5	174.854	175.017	175.048	175.099	175.069
75.0	141.997	141.894	141.813	141.782	141.813
77.5	109.180	108.792	108.587	108.485	108.557
80.0	76.384	74.575	74.861	75.056	75.301
82.5	58.264	57.753	57.518	57.304	57.314
85.0	41.084	40.359	39.919	39.480	39.327
87.5	23.894	22.964	22.310	21.656	21.329
90.0	6.704	5.570	4.701	3.832	3.342
92.5	26.531	25.611	24.743	23.935	23.118
95.0	46.358	45.653	44.784	44.028	42.904

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CANDELA TABULATION - (Cont.)

97.5	66.174	65.684	64.825	64.130	62.679
100.0	86.655	86.073	85.030	84.264	82.455
102.5	117.540	117.039	116.171	115.639	113.718
105.0	148.435	148.016	147.332	147.004	144.981
107.5	179.341	179.014	178.503	178.288	176.234
110.0	210.583	210.205	209.765	209.633	207.497
112.5	244.442	244.299	243.921	243.737	241.407
115.0	278.362	278.393	278.076	277.820	275.317
117.5	312.354	312.497	312.231	311.894	309.227
120.0	346.611	346.744	346.448	345.967	343.136
122.5	382.034	382.300	382.248	381.758	379.172
125.0	417.528	417.937	418.059	417.548	415.208
127.5	453.104	453.656	453.891	453.349	451.244
130.0	488.771	489.456	489.722	489.150	487.279
132.5	524.460	525.318	525.625	525.052	523.233
135.0	560.189	561.272	561.569	560.945	559.177
137.5	596.030	597.328	597.553	596.838	595.131
140.0	631.678	633.088	633.497	632.700	631.075
142.5	665.976	667.141	667.499	666.528	665.128
145.0	700.407	701.194	701.501	700.366	699.181
147.5	735.002	735.237	735.503	734.215	733.234
150.0	768.687	768.759	769.290	768.023	767.287
152.5	796.393	796.649	796.976	795.831	795.188
155.0	824.233	824.662	824.672	823.650	823.088
157.5	852.246	852.818	852.368	851.469	850.989
160.0	879.349	880.484	879.799	879.216	878.889
162.5	898.164	898.512	897.807	897.326	897.071
165.0	916.989	916.407	915.824	915.436	915.252
167.5	934.956	934.323	933.863	933.566	933.433
170.0	952.034	951.870	951.737	951.656	951.615
172.5	957.982	957.869	957.798	957.757	957.757
175.0	963.981	963.930	963.889	963.879	963.899
177.5	970.052	970.021	970.021	970.021	970.031
180.0	976.010	976.010	976.010	976.010	976.010

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	370.16	N.A.	7.50
0-30	770.18	N.A.	15.60
0-40	1230.37	N.A.	25.00
0-60	2074.9	N.A.	42.10
0-80	2518.85	N.A.	51.20
0-90	2573.82	N.A.	52.30
10-90	2476.79	N.A.	50.30
20-40	860.20	N.A.	17.50
20-50	1313.89	N.A.	26.70
40-70	1128.24	N.A.	22.90
60-80	443.95	N.A.	9.00
70-80	160.25	N.A.	3.30
80-90	54.97	N.A.	1.10
90-110	194.28	N.A.	3.90
90-120	451.87	N.A.	9.20
90-130	804.51	N.A.	16.30
90-150	1634.16	N.A.	33.20
90-180	2350.00	N.A.	47.70
110-180	2155.72	N.A.	43.80
0-180	4923.82	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	97.04
10-20	273.13
20-30	400.02
30-40	460.19
40-50	453.68
50-60	390.86
60-70	283.70
70-80	160.25
80-90	54.97
90-100	49.93
100-110	144.34
110-120	257.59
120-130	352.64
130-140	410.13
140-150	419.53
150-160	369.12
160-170	255.31
170-180	91.40

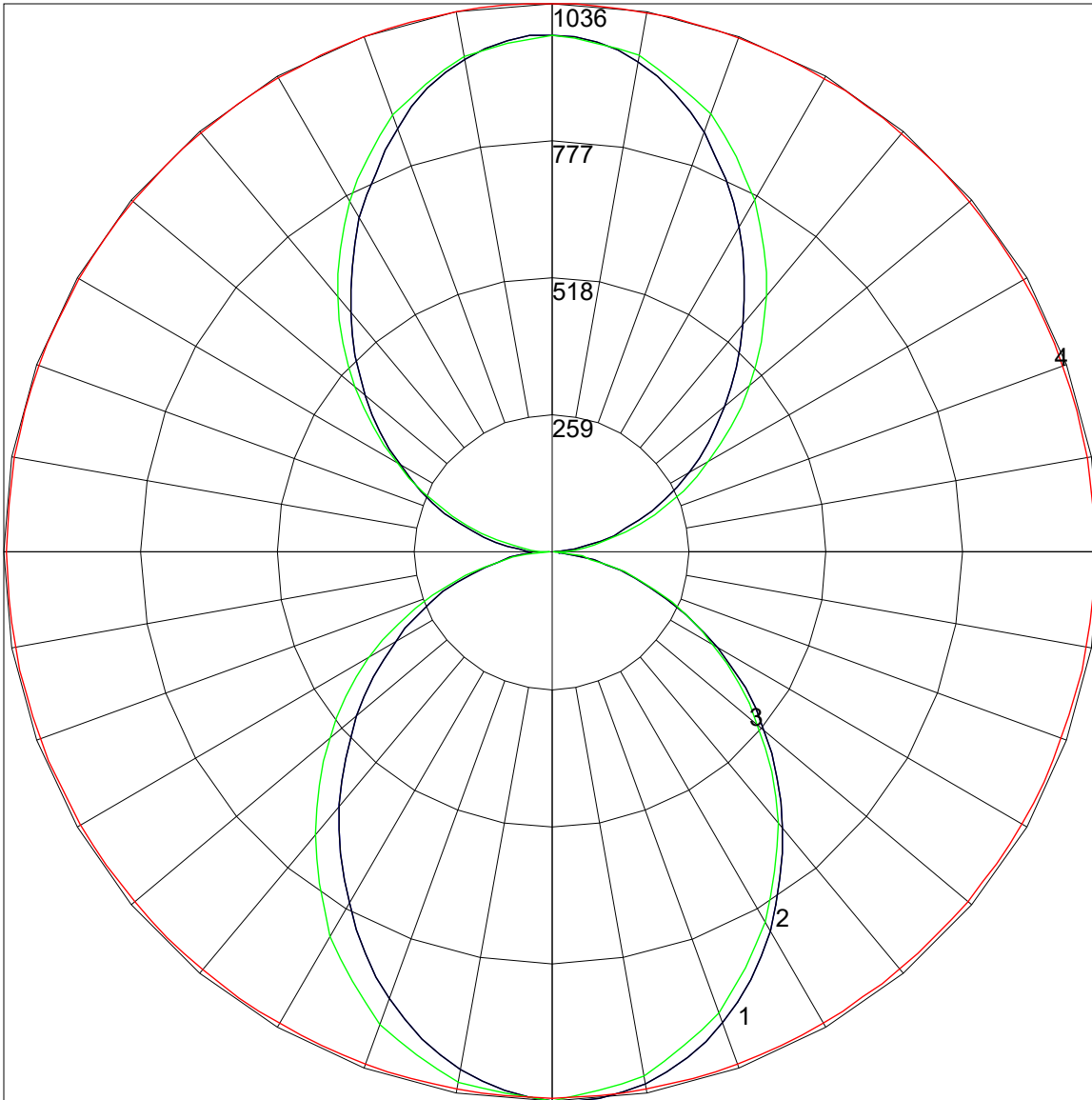
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	86	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 = 1035.807 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.)