

IES INDOOR REPORT

PHOTOMETRIC FILENAME : F45G42 - 3700K - 24 INCH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[MANUFAC] :Fabbian
[EULUMDAT_ITYP] 1
[EULUMDAT_HDIST] 5
[EULUMD_VDIST] 5
[TEST]
[TESTLAB]
[LUMINAIRE] OLYMPIC POWER-WALL-CEILING D.626 4000K WHITE
[LUMCAT] F45G42
[EULUM_FILENAME] F45 A07 01.ltd
[ISSUEDATE] 2020-01-14
[EULUM_AREALENGTH] 626
[EULUM_AREAWIDTH] 0
[EULUM_C0_LUM] 0
[EULUM_C90_LUM] 0
[EULUM_C180_LUM] 0
[EULUM_C270_LUM] 0
[EULUM_DOWN_FLUX] 52.42
[EULUM_EFFICIENCY] 100
[EULUM_CONV] 1
[EULUM_TILT] 0
[EULUM_LAMP_1_NUM] 1
[EULUM_LAMP_1_TYPE] LED SMD2835 6406 lm
[EULUM_LAMP_1_FLUX] 3260
[EULUM_LAMP_1_COLOR] 3724
[EULUM_LAMP_1_CRG] 90
[EULUM_LAMP_1_WATTS] 39
[LAMP] LED SMD2835 6406 lm
[EULUM_DR_0] 0
[EULUM_DR_1] 0
[EULUM_DR_2] 50
[EULUM_DR_3] 55
[EULUM_DR_4] 60
[EULUM_DR_5] 65
[EULUM_DR_6] 70
[EULUM_DR_7] 75
[EULUM_DR_8] 80
[EULUM_DR_9] 85
[CONVERT] Luminaire test position and photometric web converted from original test data (LDT to IES Reorientation)

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CHARACTERISTICS

Lumens Per Lamp	3260 (1 lamp)
Total Lamp Lumens	3260
Luminaire Lumens	3323
Total Luminaire Efficiency	102 %
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	39
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	Circular
Luminous Length (0-180)	0.63 m (Diameter)
Luminous Width (90-270)	0.63 m (Diameter)
Luminous Height	0.00 m



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1113	1112	1113
55	1505	1505	1504
65	2195	2195	2195
75	3700	3711	3714
85	10898	10927	10928

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.268	199.259	199.251	199.251	199.251	199.251	199.251	199.210	199.170	199.153
5.0	196.937	196.921	196.904	196.904	196.904	196.904	196.904	196.823	196.741	196.709
7.5	198.958	198.925	198.893	198.909	198.925	198.884	198.844	198.811	198.779	198.811
10.0	200.979	200.930	200.881	200.914	200.946	200.865	200.783	200.800	200.816	200.914
12.5	202.935	202.878	202.821	202.886	202.951	202.919	202.886	202.878	202.870	202.952
15.0	204.891	204.826	204.761	204.859	204.956	204.973	204.989	204.957	204.924	204.989
17.5	207.304	207.198	207.092	207.198	207.304	207.263	207.222	207.279	207.336	207.304
20.0	209.716	209.569	209.422	209.537	209.651	209.553	209.455	209.602	209.748	209.618
22.5	212.862	212.829	212.797	212.886	212.976	212.895	212.813	213.139	213.465	213.375
25.0	216.008	216.090	216.171	216.236	216.301	216.236	216.171	216.676	217.181	217.132
27.5	218.828	218.836	218.844	218.852	218.860	218.901	218.942	219.146	219.349	219.365
30.0	221.647	221.582	221.517	221.468	221.419	221.566	221.713	221.615	221.517	221.599
32.5	223.049	223.033	223.017	222.968	222.919	223.009	223.099	223.082	223.066	223.074
35.0	224.451	224.484	224.516	224.467	224.418	224.451	224.484	224.549	224.614	224.549
37.5	228.608	228.648	228.689	228.656	228.624	228.673	228.722	228.738	228.754	228.705
40.0	232.764	232.813	232.862	232.846	232.829	232.895	232.960	232.927	232.894	232.862
42.5	237.540	237.597	237.654	237.621	237.589	237.581	237.573	237.589	237.605	237.548
45.0	242.316	242.381	242.446	242.397	242.348	242.267	242.185	242.251	242.316	242.235
47.5	251.151	251.232	251.314	251.273	251.232	251.150	251.069	251.101	251.134	251.126
50.0	259.985	260.083	260.181	260.148	260.115	260.034	259.952	259.952	259.952	260.018
52.5	262.870	262.903	262.936	262.944	262.952	262.919	262.886	262.829	262.772	262.805
55.0	265.755	265.723	265.690	265.739	265.788	265.804	265.820	265.706	265.592	265.592
57.5	271.444	271.436	271.428	271.509	271.591	271.591	271.591	271.542	271.493	271.468
60.0	277.133	277.149	277.165	277.279	277.393	277.377	277.361	277.377	277.393	277.345
62.5	281.387	281.395	281.403	281.476	281.550	281.534	281.518	281.534	281.550	281.509
65.0	285.641	285.641	285.641	285.674	285.706	285.690	285.674	285.690	285.706	285.674
67.5	289.293	289.570	289.847	289.822	289.798	289.773	289.749	289.765	289.781	289.561
70.0	292.944	293.498	294.052	293.971	293.889	293.857	293.824	293.840	293.856	293.449
72.5	293.906	294.166	294.427	294.427	294.427	294.427	294.427	294.411	294.394	294.174
75.0	294.867	294.835	294.802	294.884	294.965	294.998	295.030	294.981	294.932	294.900
77.5	293.091	293.042	292.993	293.082	293.172	293.131	293.091	293.099	293.107	293.058
80.0	291.314	291.249	291.183	291.281	291.379	291.265	291.151	291.216	291.281	291.216
82.5	291.885	291.844	291.803	291.884	291.966	291.933	291.901	291.909	291.917	292.015
85.0	292.455	292.439	292.422	292.487	292.552	292.601	292.650	292.601	292.552	292.813
87.5	291.852	291.884	291.917	291.925	291.933	291.974	292.015	291.941	291.868	292.006
90.0	291.248	291.330	291.411	291.363	291.314	291.347	291.379	291.281	291.183	291.200
92.5	291.868	291.908	291.949	291.966	291.982	292.007	292.031	291.949	291.868	291.900
95.0	292.487	292.487	292.487	292.569	292.650	292.667	292.683	292.618	292.552	292.601
97.5	291.868	291.925	291.982	291.990	291.998	292.063	292.129	292.080	292.031	292.006
100.0	291.248	291.363	291.477	291.412	291.346	291.460	291.574	291.542	291.509	291.412
102.5	293.139	293.139	293.140	293.107	293.074	293.123	293.172	293.147	293.123	293.156
105.0	295.030	294.916	294.802	294.802	294.802	294.786	294.769	294.753	294.737	294.900
107.5	294.525	294.476	294.427	294.354	294.281	294.346	294.411	293.946	293.482	293.628
110.0	294.019	294.036	294.052	293.906	293.759	293.906	294.052	293.139	292.226	292.357
112.5	289.830	289.838	289.847	289.725	289.603	289.684	289.765	289.317	288.869	288.958
115.0	285.641	285.641	285.641	285.544	285.446	285.462	285.478	285.495	285.511	285.560
117.5	281.469	281.477	281.485	281.420	281.355	281.371	281.387	281.428	281.469	281.452
120.0	277.296	277.312	277.328	277.296	277.263	277.280	277.296	277.361	277.426	277.345
122.5	271.542	271.542	271.542	271.558	271.575	271.591	271.607	271.591	271.575	271.550
125.0	265.788	265.772	265.755	265.821	265.886	265.902	265.918	265.821	265.723	265.756
127.5	262.903	262.919	262.935	262.968	263.001	263.017	263.033	262.911	262.789	262.870
130.0	260.018	260.067	260.115	260.115	260.115	260.132	260.148	260.002	259.855	259.985
132.5	251.167	251.208	251.248	251.264	251.281	251.264	251.248	251.199	251.151	251.216

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CANDELA TABULATION - (Cont.)

135.0	242.316	242.349	242.381	242.414	242.446	242.397	242.348	242.397	242.446	242.446
137.5	237.508	237.573	237.638	237.605	237.573	237.581	237.589	237.638	237.687	237.662
140.0	232.699	232.797	232.894	232.797	232.699	232.764	232.829	232.878	232.927	232.878
142.5	228.640	228.665	228.689	228.681	228.673	228.673	228.673	228.673	228.673	228.648
145.0	224.581	224.533	224.484	224.566	224.647	224.582	224.516	224.467	224.418	224.418
147.5	223.163	223.172	223.180	223.123	223.066	223.074	223.082	223.049	223.017	223.025
150.0	221.745	221.811	221.876	221.680	221.484	221.566	221.647	221.631	221.615	221.631
152.5	218.991	219.007	219.024	218.893	218.762	218.795	218.828	218.868	218.909	218.893
155.0	216.236	216.204	216.171	216.106	216.040	216.024	216.008	216.106	216.203	216.154
157.5	212.960	212.943	212.927	212.854	212.780	212.821	212.862	212.911	212.960	212.870
160.0	209.683	209.683	209.683	209.602	209.520	209.618	209.716	209.716	209.716	209.586
162.5	207.271	207.254	207.238	207.197	207.157	207.238	207.320	207.344	207.369	207.312
165.0	204.858	204.826	204.793	204.793	204.793	204.859	204.924	204.973	205.021	205.038
167.5	202.886	202.870	202.854	202.813	202.772	202.821	202.870	202.927	202.984	203.000
170.0	200.914	200.914	200.914	200.833	200.751	200.784	200.816	200.881	200.946	200.963
172.5	198.860	198.828	198.795	198.746	198.697	198.730	198.762	198.827	198.893	198.860
175.0	196.806	196.741	196.676	196.660	196.643	196.676	196.708	196.774	196.839	196.758
177.5	199.219	199.186	199.154	199.145	199.137	199.153	199.170	199.202	199.235	199.194
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Angles **Horizontal Angles**

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.137	199.137	199.137	199.153	199.170	199.202	199.235	199.186	199.137	199.202
5.0	196.676	196.676	196.676	196.709	196.741	196.806	196.871	196.774	196.676	196.807
7.5	198.844	198.779	198.714	198.762	198.811	198.811	198.811	198.828	198.844	198.869
10.0	201.012	200.882	200.751	200.816	200.881	200.816	200.751	200.882	201.012	200.931
12.5	203.033	202.919	202.805	202.821	202.837	202.805	202.772	202.886	203.001	202.903
15.0	205.054	204.956	204.858	204.826	204.793	204.793	204.793	204.891	204.989	204.875
17.5	207.271	207.214	207.157	207.181	207.206	207.189	207.173	207.230	207.287	207.255
20.0	209.488	209.472	209.455	209.537	209.618	209.586	209.553	209.569	209.585	209.634
22.5	213.286	213.074	212.862	213.082	213.302	213.343	213.384	213.367	213.351	213.163
25.0	217.083	216.676	216.268	216.627	216.986	217.100	217.214	217.165	217.116	216.692
27.5	219.382	219.194	219.007	219.211	219.415	219.496	219.578	219.488	219.398	219.251
30.0	221.680	221.713	221.745	221.794	221.843	221.892	221.941	221.811	221.680	221.811
32.5	223.082	223.147	223.212	223.163	223.115	223.139	223.164	223.139	223.115	223.204
35.0	224.484	224.582	224.679	224.533	224.386	224.386	224.386	224.468	224.549	224.598
37.5	228.657	228.681	228.705	228.640	228.575	228.616	228.657	228.640	228.624	228.657
40.0	232.829	232.780	232.731	232.748	232.764	232.846	232.927	232.813	232.699	232.715
42.5	237.491	237.532	237.573	237.296	237.019	237.361	237.703	237.573	237.442	237.499
45.0	242.153	242.284	242.414	241.844	241.273	241.876	242.479	242.332	242.185	242.283
47.5	251.118	251.134	251.151	250.922	250.694	250.996	251.297	251.167	251.036	251.110
50.0	260.083	259.985	259.887	260.001	260.115	260.115	260.115	260.001	259.887	259.936
52.5	262.838	262.829	262.821	262.837	262.854	262.911	262.968	262.911	262.854	262.846
55.0	265.592	265.674	265.755	265.674	265.592	265.706	265.820	265.820	265.820	265.755
57.5	271.444	271.444	271.444	271.444	271.444	271.509	271.574	271.599	271.623	271.566
60.0	277.296	277.215	277.133	277.215	277.296	277.312	277.328	277.377	277.426	277.377
62.5	281.469	281.395	281.322	281.428	281.534	281.469	281.403	281.452	281.501	281.509
65.0	285.641	285.576	285.511	285.642	285.772	285.625	285.478	285.527	285.576	285.641
67.5	289.341	289.545	289.749	289.578	289.407	289.292	289.178	289.203	289.227	289.292
70.0	293.041	293.514	293.987	293.514	293.041	292.960	292.878	292.878	292.878	292.944
72.5	293.954	294.411	294.867	294.663	294.460	294.402	294.345	294.329	294.313	294.386
75.0	294.867	295.307	295.747	295.813	295.878	295.845	295.812	295.780	295.747	295.829
77.5	293.009	293.237	293.465	293.482	293.498	293.547	293.596	293.522	293.449	293.473
80.0	291.151	291.167	291.183	291.151	291.118	291.249	291.379	291.265	291.151	291.118

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CANDELA TABULATION - (Cont.)

82.5	292.113	291.990	291.868	291.998	292.129	292.235	292.341	292.267	292.194	292.161
85.0	293.074	292.813	292.552	292.846	293.139	293.221	293.302	293.270	293.237	293.205
87.5	292.145	291.982	291.819	291.998	292.178	292.235	292.292	292.243	292.194	292.227
90.0	291.216	291.151	291.085	291.151	291.216	291.249	291.281	291.216	291.151	291.249
92.5	291.933	291.909	291.884	291.860	291.836	291.884	291.933	291.884	291.836	291.909
95.0	292.650	292.667	292.683	292.569	292.455	292.520	292.585	292.553	292.520	292.569
97.5	291.982	291.990	291.999	292.015	292.031	292.064	292.096	292.055	292.015	292.023
100.0	291.314	291.314	291.314	291.461	291.607	291.607	291.607	291.558	291.509	291.477
102.5	293.189	293.115	293.042	293.148	293.254	293.278	293.302	293.270	293.237	293.221
105.0	295.063	294.916	294.769	294.835	294.900	294.949	294.997	294.981	294.965	294.965
107.5	293.775	293.653	293.531	293.539	293.547	293.628	293.710	293.645	293.580	293.612
110.0	292.487	292.390	292.292	292.243	292.194	292.308	292.422	292.308	292.194	292.259
112.5	289.048	288.983	288.918	288.893	288.869	288.901	288.934	288.836	288.739	288.763
115.0	285.609	285.576	285.543	285.543	285.543	285.495	285.446	285.365	285.283	285.267
117.5	281.436	281.444	281.452	281.436	281.420	281.428	281.436	281.387	281.338	281.297
120.0	277.263	277.312	277.361	277.329	277.296	277.361	277.426	277.410	277.393	277.328
122.5	271.526	271.583	271.640	271.550	271.461	271.509	271.558	271.582	271.607	271.599
125.0	265.788	265.853	265.918	265.772	265.625	265.658	265.690	265.755	265.820	265.869
127.5	262.952	262.984	263.017	262.943	262.870	262.870	262.870	262.886	262.903	262.895
130.0	260.115	260.115	260.115	260.115	260.115	260.083	260.050	260.018	259.985	259.920
132.5	251.281	251.215	251.150	251.175	251.199	251.216	251.232	251.224	251.216	251.118
135.0	242.446	242.316	242.185	242.234	242.283	242.349	242.414	242.430	242.446	242.316
137.5	237.638	237.556	237.475	237.467	237.459	237.573	237.687	237.622	237.556	237.556
140.0	232.829	232.797	232.764	232.699	232.634	232.797	232.960	232.813	232.666	232.797
142.5	228.624	228.616	228.608	228.567	228.526	228.616	228.706	228.648	228.591	228.624
145.0	224.418	224.435	224.451	224.435	224.418	224.435	224.451	224.484	224.516	224.451
147.5	223.033	223.017	223.001	222.960	222.919	222.943	222.968	223.065	223.163	223.090
150.0	221.647	221.599	221.550	221.485	221.419	221.452	221.484	221.647	221.810	221.729
152.5	218.876	218.836	218.795	218.803	218.811	218.852	218.893	218.917	218.942	218.942
155.0	216.105	216.073	216.040	216.122	216.203	216.252	216.301	216.187	216.073	216.155
157.5	212.780	212.821	212.862	212.854	212.846	212.886	212.927	212.911	212.895	212.895
160.0	209.455	209.569	209.683	209.586	209.488	209.521	209.553	209.635	209.716	209.635
162.5	207.255	207.246	207.238	207.255	207.271	207.247	207.222	207.255	207.287	207.255
165.0	205.054	204.924	204.793	204.924	205.054	204.973	204.891	204.875	204.858	204.875
167.5	203.017	202.911	202.805	202.756	202.707	202.821	202.935	202.911	202.886	202.927
170.0	200.979	200.898	200.816	200.588	200.360	200.670	200.979	200.947	200.914	200.979
172.5	198.828	198.787	198.746	198.665	198.583	198.713	198.844	198.836	198.828	198.901
175.0	196.676	196.676	196.676	196.741	196.806	196.757	196.708	196.725	196.741	196.823
177.5	199.154	199.154	199.154	199.186	199.219	199.194	199.170	199.178	199.186	199.227
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

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	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.268	199.202	199.137	199.137	199.137	199.202	199.268	199.194	199.121	199.145
5.0	196.937	196.807	196.676	196.676	196.676	196.807	196.937	196.790	196.643	196.692
7.5	198.893	198.836	198.779	198.819	198.860	198.860	198.860	198.787	198.713	198.803
10.0	200.849	200.865	200.881	200.963	201.044	200.914	200.783	200.783	200.783	200.914
12.5	202.805	202.829	202.854	202.894	202.935	202.862	202.788	202.780	202.772	202.870
15.0	204.761	204.794	204.826	204.826	204.826	204.810	204.793	204.777	204.761	204.826
17.5	207.222	207.222	207.222	207.247	207.271	207.238	207.206	207.157	207.108	207.181
20.0	209.683	209.651	209.618	209.667	209.716	209.667	209.618	209.537	209.455	209.537
22.5	212.976	213.131	213.286	213.367	213.449	213.392	213.335	213.098	212.862	213.065
25.0	216.268	216.611	216.953	217.067	217.181	217.116	217.051	216.660	216.268	216.594
27.5	219.105	219.243	219.382	219.414	219.447	219.472	219.496	219.243	218.991	219.154

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CANDELA TABULATION - (Cont.)

30.0	221.941	221.876	221.810	221.762	221.713	221.827	221.941	221.827	221.713	221.713
32.5	223.294	223.261	223.229	223.172	223.115	223.188	223.261	223.204	223.147	223.155
35.0	224.647	224.647	224.647	224.582	224.516	224.549	224.581	224.581	224.581	224.598
37.5	228.689	228.697	228.706	228.697	228.689	228.722	228.754	228.746	228.738	228.860
40.0	232.731	232.748	232.764	232.813	232.862	232.895	232.927	232.911	232.894	233.123
42.5	237.556	237.524	237.491	237.565	237.638	237.671	237.703	237.434	237.165	237.499
45.0	242.381	242.300	242.218	242.316	242.414	242.447	242.479	241.958	241.436	241.876
47.5	251.183	251.354	251.526	251.542	251.558	251.591	251.623	251.346	251.069	251.297
50.0	259.985	260.409	260.833	260.768	260.702	260.735	260.767	260.735	260.702	260.719
52.5	262.838	263.058	263.278	263.229	263.180	263.245	263.310	263.278	263.245	263.245
55.0	265.690	265.707	265.723	265.690	265.657	265.755	265.853	265.821	265.788	265.772
57.5	271.509	271.542	271.575	271.517	271.460	271.517	271.575	271.550	271.526	271.558
60.0	277.328	277.377	277.426	277.345	277.263	277.280	277.296	277.280	277.263	277.345
62.5	281.517	281.525	281.534	281.460	281.387	281.428	281.469	281.420	281.371	281.420
65.0	285.706	285.674	285.641	285.576	285.511	285.576	285.641	285.560	285.478	285.495
67.5	289.358	289.309	289.260	289.268	289.276	289.284	289.293	289.235	289.178	289.195
70.0	293.009	292.944	292.878	292.960	293.041	292.993	292.944	292.911	292.878	292.895
72.5	294.460	294.411	294.362	294.427	294.492	294.460	294.427	294.419	294.411	294.411
75.0	295.910	295.878	295.845	295.894	295.943	295.927	295.910	295.927	295.943	295.927
77.5	293.498	293.522	293.547	293.571	293.596	293.816	294.036	294.028	294.020	294.052
80.0	291.085	291.167	291.248	291.248	291.248	291.705	292.161	292.129	292.096	292.178
82.5	292.129	292.186	292.243	292.202	292.161	292.438	292.716	292.675	292.634	292.691
85.0	293.172	293.205	293.237	293.156	293.074	293.172	293.270	293.221	293.172	293.205
87.5	292.259	292.251	292.243	292.235	292.227	292.259	292.292	292.219	292.145	292.227
90.0	291.346	291.297	291.248	291.314	291.379	291.347	291.314	291.216	291.118	291.249
92.5	291.982	291.966	291.949	291.917	291.884	291.933	291.982	291.892	291.803	291.892
95.0	292.618	292.634	292.650	292.520	292.389	292.520	292.650	292.569	292.487	292.536
97.5	292.031	292.080	292.129	292.039	291.949	291.982	292.015	292.015	292.015	292.023
100.0	291.444	291.526	291.607	291.558	291.509	291.444	291.379	291.461	291.542	291.510
102.5	293.205	293.270	293.335	293.286	293.237	293.229	293.221	293.229	293.237	293.205
105.0	294.965	295.014	295.063	295.014	294.965	295.014	295.063	294.998	294.932	294.900
107.5	293.645	293.661	293.678	293.653	293.629	293.653	293.678	293.653	293.628	293.653
110.0	292.324	292.308	292.292	292.292	292.292	292.292	292.292	292.308	292.324	292.406
112.5	288.787	288.795	288.804	288.796	288.788	288.828	288.869	288.861	288.852	288.909
115.0	285.250	285.283	285.315	285.299	285.283	285.365	285.446	285.413	285.380	285.413
117.5	281.257	281.297	281.338	281.297	281.257	281.338	281.420	281.379	281.338	281.371
120.0	277.263	277.312	277.361	277.296	277.230	277.312	277.393	277.345	277.296	277.329
122.5	271.591	271.599	271.607	271.623	271.640	271.574	271.509	271.607	271.705	271.697
125.0	265.918	265.886	265.853	265.951	266.049	265.837	265.625	265.870	266.114	266.065
127.5	262.887	262.944	263.001	262.993	262.985	262.919	262.854	262.952	263.050	263.066
130.0	259.855	260.002	260.148	260.034	259.920	260.002	260.083	260.034	259.985	260.067
132.5	251.020	251.126	251.232	251.208	251.183	251.191	251.200	251.159	251.118	251.159
135.0	242.185	242.251	242.316	242.381	242.446	242.381	242.316	242.284	242.251	242.251
137.5	237.556	237.548	237.540	237.622	237.703	237.671	237.638	237.589	237.540	237.524
140.0	232.927	232.846	232.764	232.862	232.960	232.960	232.960	232.895	232.829	232.797
142.5	228.657	228.616	228.575	228.657	228.738	228.746	228.755	228.689	228.624	228.632
145.0	224.386	224.386	224.386	224.451	224.516	224.533	224.549	224.484	224.418	224.467
147.5	223.017	223.025	223.033	223.033	223.033	223.041	223.050	223.058	223.066	223.066
150.0	221.647	221.664	221.680	221.615	221.550	221.550	221.550	221.632	221.713	221.664
152.5	218.942	218.950	218.958	218.885	218.812	218.844	218.877	218.885	218.893	218.885
155.0	216.236	216.236	216.236	216.155	216.073	216.138	216.203	216.138	216.073	216.106
157.5	212.895	212.935	212.976	212.927	212.878	212.903	212.927	212.870	212.813	212.829
160.0	209.553	209.635	209.716	209.700	209.683	209.667	209.651	209.602	209.553	209.553
162.5	207.222	207.238	207.255	207.238	207.222	207.222	207.222	207.238	207.255	207.279
165.0	204.891	204.842	204.793	204.777	204.761	204.777	204.793	204.875	204.956	205.005
167.5	202.968	202.911	202.854	202.862	202.870	202.821	202.772	202.829	202.886	202.951

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CANDELA TABULATION - (Cont.)

170.0	201.044	200.979	200.914	200.947	200.979	200.865	200.751	200.784	200.816	200.898
172.5	198.974	198.901	198.828	198.876	198.925	198.885	198.844	198.836	198.828	198.836
175.0	196.904	196.823	196.741	196.806	196.871	196.904	196.937	196.888	196.839	196.774
177.5	199.268	199.227	199.186	199.219	199.251	199.268	199.284	199.260	199.235	199.202
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

**Vert.
Angles**

Horizontal Angles

	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.170	199.178	199.186	199.178	199.170	199.153	199.137	199.178	199.219	199.243
5.0	196.741	196.758	196.774	196.758	196.741	196.709	196.676	196.758	196.839	196.888
7.5	198.893	198.893	198.893	198.844	198.795	198.771	198.746	198.811	198.877	198.917
10.0	201.044	201.028	201.012	200.931	200.849	200.833	200.816	200.865	200.914	200.947
12.5	202.968	202.943	202.919	202.895	202.870	202.829	202.789	202.886	202.984	202.927
15.0	204.891	204.859	204.826	204.859	204.891	204.826	204.761	204.908	205.054	204.908
17.5	207.255	207.238	207.222	207.238	207.255	207.214	207.173	207.246	207.320	207.222
20.0	209.618	209.618	209.618	209.618	209.618	209.602	209.585	209.585	209.585	209.537
22.5	213.269	213.269	213.269	213.098	212.927	212.903	212.878	212.894	212.911	213.090
25.0	216.920	216.920	216.920	216.578	216.236	216.204	216.171	216.204	216.236	216.644
27.5	219.317	219.317	219.317	219.146	218.975	218.991	219.007	219.015	219.023	219.211
30.0	221.713	221.713	221.713	221.713	221.713	221.778	221.843	221.827	221.810	221.778
32.5	223.164	223.155	223.147	223.090	223.033	223.090	223.147	223.196	223.245	223.228
35.0	224.614	224.598	224.581	224.467	224.353	224.402	224.451	224.565	224.679	224.679
37.5	228.983	228.852	228.722	228.608	228.494	228.583	228.673	228.681	228.689	228.738
40.0	233.351	233.107	232.862	232.748	232.634	232.764	232.894	232.797	232.699	232.797
42.5	237.834	237.524	237.214	237.345	237.475	237.565	237.654	237.605	237.557	237.328
45.0	242.316	241.941	241.566	241.941	242.316	242.365	242.414	242.414	242.414	241.860
47.5	251.526	251.183	250.841	250.996	251.151	251.004	250.857	250.996	251.135	250.922
50.0	260.735	260.425	260.115	260.050	259.985	259.643	259.300	259.578	259.855	259.985
52.5	263.245	263.049	262.854	262.878	262.903	262.683	262.463	262.642	262.822	262.911
55.0	265.755	265.674	265.592	265.706	265.820	265.723	265.625	265.707	265.788	265.837
57.5	271.591	271.493	271.395	271.452	271.509	271.501	271.493	271.493	271.493	271.575
60.0	277.426	277.312	277.198	277.198	277.198	277.280	277.361	277.280	277.198	277.312
62.5	281.469	281.403	281.338	281.371	281.404	281.444	281.485	281.444	281.404	281.493
65.0	285.511	285.495	285.478	285.544	285.609	285.609	285.609	285.609	285.609	285.674
67.5	289.211	289.195	289.178	289.219	289.260	289.236	289.211	289.236	289.260	289.325
70.0	292.911	292.895	292.878	292.895	292.911	292.862	292.813	292.862	292.911	292.976
72.5	294.411	294.362	294.313	294.313	294.313	294.346	294.378	294.378	294.378	294.370
75.0	295.910	295.829	295.747	295.731	295.715	295.829	295.943	295.894	295.845	295.764
77.5	294.085	294.060	294.036	294.011	293.987	294.117	294.248	294.134	294.020	293.987
80.0	292.259	292.292	292.324	292.292	292.259	292.406	292.552	292.373	292.194	292.210
82.5	292.748	292.740	292.732	292.732	292.732	292.821	292.911	292.781	292.651	292.707
85.0	293.237	293.188	293.139	293.172	293.204	293.237	293.270	293.189	293.107	293.205
87.5	292.308	292.235	292.161	292.226	292.292	292.243	292.194	292.186	292.178	292.243
90.0	291.379	291.281	291.183	291.281	291.379	291.249	291.118	291.183	291.248	291.281
92.5	291.982	291.941	291.901	291.966	292.031	291.950	291.868	291.925	291.982	291.917
95.0	292.585	292.602	292.618	292.651	292.683	292.651	292.618	292.667	292.715	292.552
97.5	292.031	292.015	291.999	292.056	292.113	292.072	292.031	292.055	292.080	291.998
100.0	291.477	291.428	291.379	291.461	291.542	291.493	291.444	291.444	291.444	291.444
102.5	293.172	293.156	293.140	293.197	293.254	293.196	293.139	293.139	293.139	293.188
105.0	294.867	294.884	294.900	294.933	294.965	294.900	294.834	294.834	294.834	294.932
107.5	293.677	293.669	293.661	293.694	293.726	293.693	293.661	293.661	293.661	293.702
110.0	292.487	292.455	292.422	292.455	292.487	292.487	292.487	292.487	292.487	292.471
112.5	288.967	288.901	288.836	288.861	288.885	288.885	288.885	288.926	288.967	288.910
115.0	285.446	285.348	285.250	285.267	285.283	285.283	285.283	285.365	285.446	285.348

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CANDELA TABULATION - (Cont.)

117.5	281.404	281.346	281.289	281.354	281.420	281.371	281.322	281.420	281.518	281.403
120.0	277.361	277.345	277.328	277.442	277.556	277.459	277.361	277.475	277.589	277.459
122.5	271.689	271.648	271.607	271.656	271.705	271.697	271.689	271.770	271.852	271.786
125.0	266.016	265.951	265.886	265.870	265.853	265.935	266.016	266.065	266.114	266.114
127.5	263.082	263.041	263.001	263.001	263.001	262.976	262.952	263.009	263.066	263.042
130.0	260.148	260.132	260.115	260.132	260.148	260.018	259.887	259.953	260.018	259.969
132.5	251.200	251.248	251.297	251.028	250.759	250.686	250.613	250.694	250.776	250.939
135.0	242.251	242.365	242.479	241.925	241.370	241.354	241.338	241.436	241.533	241.908
137.5	237.508	237.605	237.703	237.361	237.018	237.067	237.116	237.141	237.165	237.353
140.0	232.764	232.846	232.927	232.797	232.666	232.780	232.894	232.846	232.797	232.797
142.5	228.640	228.722	228.803	228.722	228.640	228.697	228.754	228.673	228.592	228.649
145.0	224.516	224.598	224.679	224.647	224.614	224.614	224.614	224.500	224.386	224.500
147.5	223.066	223.106	223.147	223.147	223.147	223.180	223.212	223.074	222.935	222.984
150.0	221.615	221.615	221.615	221.648	221.680	221.745	221.810	221.647	221.484	221.468
152.5	218.877	218.893	218.909	218.942	218.974	218.982	218.991	218.876	218.762	218.746
155.0	216.138	216.171	216.203	216.236	216.268	216.220	216.171	216.106	216.040	216.024
157.5	212.846	212.886	212.927	212.911	212.894	212.903	212.911	212.846	212.780	212.748
160.0	209.553	209.602	209.651	209.586	209.520	209.586	209.651	209.586	209.520	209.471
162.5	207.304	207.271	207.239	207.238	207.238	207.230	207.222	207.189	207.157	207.165
165.0	205.054	204.940	204.826	204.891	204.956	204.875	204.793	204.793	204.793	204.859
167.5	203.017	202.951	202.886	202.862	202.837	202.837	202.837	202.845	202.854	202.862
170.0	200.979	200.963	200.946	200.832	200.718	200.800	200.881	200.898	200.914	200.865
172.5	198.844	198.852	198.860	198.827	198.795	198.803	198.811	198.836	198.860	198.819
175.0	196.708	196.741	196.774	196.823	196.871	196.806	196.741	196.774	196.806	196.774
177.5	199.170	199.186	199.203	199.227	199.251	199.219	199.186	199.202	199.219	199.202
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

**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	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.268	199.194	199.121	199.153	199.186	199.170	199.153	199.145	199.137	199.202
5.0	196.937	196.790	196.643	196.709	196.774	196.741	196.708	196.692	196.676	196.807
7.5	198.958	198.860	198.762	198.754	198.746	198.754	198.762	198.811	198.860	198.844
10.0	200.979	200.930	200.881	200.800	200.718	200.767	200.816	200.930	201.044	200.881
12.5	202.870	202.911	202.951	202.910	202.870	202.886	202.903	202.903	202.903	202.821
15.0	204.761	204.891	205.021	205.021	205.021	205.005	204.989	204.875	204.761	204.761
17.5	207.125	207.206	207.287	207.320	207.352	207.312	207.271	207.214	207.157	207.149
20.0	209.488	209.521	209.553	209.618	209.683	209.618	209.553	209.553	209.553	209.537
22.5	213.270	213.302	213.335	213.155	212.976	213.106	213.237	213.294	213.351	213.294
25.0	217.051	217.084	217.116	216.692	216.268	216.594	216.920	217.035	217.149	217.051
27.5	219.398	219.390	219.382	219.235	219.088	219.227	219.365	219.390	219.415	219.431
30.0	221.745	221.696	221.647	221.778	221.908	221.859	221.810	221.745	221.680	221.811
32.5	223.212	223.171	223.131	223.139	223.147	223.147	223.147	223.090	223.033	223.164
35.0	224.679	224.647	224.614	224.500	224.386	224.435	224.484	224.435	224.386	224.517
37.5	228.787	228.876	228.966	228.803	228.640	228.665	228.689	228.608	228.526	228.600
40.0	232.894	233.106	233.318	233.106	232.894	232.894	232.894	232.780	232.666	232.683
42.5	237.100	237.442	237.785	237.467	237.149	237.393	237.638	237.540	237.442	237.491
45.0	241.305	241.778	242.251	241.827	241.403	241.892	242.381	242.300	242.218	242.300
47.5	250.710	251.134	251.558	251.281	251.004	251.273	251.542	251.509	251.477	251.468
50.0	260.115	260.490	260.865	260.735	260.604	260.653	260.702	260.719	260.735	260.637
52.5	263.001	263.196	263.392	263.294	263.196	263.212	263.229	263.229	263.229	263.172
55.0	265.886	265.902	265.918	265.853	265.788	265.772	265.755	265.739	265.723	265.707
57.5	271.656	271.640	271.623	271.550	271.477	271.493	271.509	271.477	271.444	271.469
60.0	277.426	277.377	277.328	277.247	277.165	277.214	277.263	277.214	277.165	277.231
62.5	281.583	281.493	281.403	281.428	281.452	281.444	281.436	281.444	281.452	281.428

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CANDELA TABULATION - (Cont.)

65.0	285.739	285.609	285.478	285.609	285.739	285.674	285.609	285.674	285.739	285.625
67.5	289.390	289.317	289.244	289.317	289.390	289.374	289.358	289.350	289.342	289.268
70.0	293.041	293.025	293.009	293.025	293.041	293.074	293.107	293.026	292.944	292.911
72.5	294.362	294.427	294.492	294.443	294.394	294.468	294.541	294.435	294.330	294.346
75.0	295.682	295.829	295.975	295.861	295.747	295.861	295.975	295.845	295.715	295.780
77.5	293.954	294.036	294.117	293.995	293.873	293.938	294.003	293.702	293.400	293.441
80.0	292.226	292.243	292.259	292.129	291.998	292.015	292.031	291.558	291.085	291.102
82.5	292.764	292.764	292.765	292.667	292.569	292.569	292.569	292.324	292.080	292.129
85.0	293.302	293.286	293.270	293.205	293.139	293.123	293.107	293.091	293.074	293.156
87.5	292.308	292.316	292.325	292.267	292.210	292.194	292.178	292.169	292.161	292.235
90.0	291.314	291.347	291.379	291.330	291.281	291.265	291.248	291.248	291.248	291.314
92.5	291.852	291.933	292.015	291.990	291.966	291.925	291.884	291.868	291.852	291.925
95.0	292.389	292.520	292.650	292.650	292.650	292.585	292.520	292.488	292.455	292.537
97.5	291.917	292.014	292.112	292.063	292.015	291.974	291.933	291.941	291.950	292.015
100.0	291.444	291.509	291.574	291.477	291.379	291.363	291.346	291.395	291.444	291.493
102.5	293.237	293.204	293.172	293.196	293.221	293.172	293.123	293.115	293.107	293.131
105.0	295.030	294.900	294.769	294.916	295.063	294.982	294.900	294.835	294.769	294.769
107.5	293.743	293.637	293.531	293.628	293.726	293.645	293.563	293.530	293.498	293.522
110.0	292.455	292.374	292.292	292.341	292.389	292.308	292.226	292.226	292.226	292.275
112.5	288.853	288.820	288.788	288.820	288.852	288.836	288.820	288.828	288.836	288.803
115.0	285.250	285.267	285.283	285.299	285.315	285.364	285.413	285.430	285.446	285.332
117.5	281.289	281.314	281.338	281.289	281.240	281.273	281.306	281.371	281.436	281.346
120.0	277.328	277.361	277.393	277.279	277.165	277.182	277.198	277.312	277.426	277.361
122.5	271.721	271.664	271.607	271.566	271.526	271.509	271.493	271.566	271.640	271.640
125.0	266.114	265.967	265.820	265.853	265.886	265.837	265.788	265.821	265.853	265.918
127.5	263.017	262.927	262.838	262.911	262.985	262.976	262.968	262.993	263.017	263.001
130.0	259.920	259.888	259.855	259.969	260.083	260.116	260.148	260.165	260.181	260.083
132.5	251.102	251.094	251.086	251.126	251.167	251.216	251.265	251.281	251.298	251.191
135.0	242.283	242.300	242.316	242.284	242.251	242.316	242.381	242.398	242.414	242.300
137.5	237.540	237.548	237.557	237.540	237.524	237.557	237.589	237.589	237.589	237.581
140.0	232.797	232.797	232.797	232.797	232.797	232.797	232.797	232.781	232.764	232.862
142.5	228.706	228.714	228.722	228.681	228.641	228.641	228.641	228.640	228.640	228.705
145.0	224.614	224.631	224.647	224.566	224.484	224.484	224.484	224.500	224.516	224.549
147.5	223.033	223.074	223.115	223.098	223.082	223.050	223.017	222.992	222.968	223.017
150.0	221.452	221.517	221.582	221.631	221.680	221.615	221.550	221.485	221.419	221.485
152.5	218.730	218.763	218.795	218.868	218.942	218.877	218.812	218.779	218.746	218.836
155.0	216.008	216.008	216.008	216.106	216.203	216.138	216.073	216.073	216.073	216.187
157.5	212.715	212.789	212.862	212.895	212.927	212.862	212.797	212.829	212.862	212.943
160.0	209.422	209.569	209.716	209.684	209.651	209.586	209.520	209.586	209.651	209.700
162.5	207.173	207.255	207.336	207.263	207.190	207.198	207.206	207.279	207.353	207.295
165.0	204.924	204.940	204.956	204.842	204.728	204.810	204.891	204.973	205.054	204.891
167.5	202.870	202.878	202.886	202.878	202.870	202.919	202.968	202.992	203.017	202.919
170.0	200.816	200.816	200.816	200.914	201.012	201.028	201.044	201.012	200.979	200.947
172.5	198.779	198.795	198.811	198.844	198.877	198.901	198.925	198.901	198.877	198.901
175.0	196.741	196.774	196.806	196.774	196.741	196.774	196.806	196.790	196.774	196.856
177.5	199.186	199.202	199.219	199.202	199.186	199.202	199.219	199.211	199.203	199.243
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

**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	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.268	199.276	199.284	199.243	199.202	199.161	199.121	199.153	199.186	199.210
5.0	196.937	196.953	196.969	196.888	196.806	196.725	196.643	196.709	196.774	196.823
7.5	198.828	198.885	198.942	198.909	198.876	198.795	198.713	198.803	198.893	198.877
10.0	200.718	200.816	200.914	200.930	200.946	200.865	200.783	200.898	201.012	200.931

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12.5	202.740	202.829	202.919	202.960	203.000	202.935	202.870	202.951	203.033	202.943
15.0	204.761	204.843	204.924	204.989	205.054	205.005	204.956	205.005	205.054	204.956
17.5	207.141	207.206	207.271	207.336	207.401	207.336	207.271	207.303	207.336	207.263
20.0	209.520	209.569	209.618	209.683	209.748	209.667	209.585	209.602	209.618	209.569
22.5	213.237	213.074	212.911	213.196	213.481	213.408	213.334	213.334	213.335	213.057
25.0	216.953	216.578	216.203	216.709	217.214	217.149	217.083	217.067	217.051	216.546
27.5	219.447	219.260	219.072	219.309	219.545	219.463	219.382	219.398	219.415	219.137
30.0	221.941	221.941	221.941	221.909	221.876	221.778	221.680	221.729	221.778	221.729
32.5	223.294	223.253	223.213	223.180	223.147	223.098	223.049	223.066	223.082	223.082
35.0	224.647	224.566	224.484	224.451	224.418	224.418	224.418	224.402	224.386	224.435
37.5	228.673	228.624	228.575	228.567	228.559	228.607	228.656	228.648	228.640	228.616
40.0	232.699	232.683	232.666	232.683	232.699	232.797	232.894	232.894	232.894	232.797
42.5	237.540	237.499	237.459	237.483	237.508	237.597	237.687	237.393	237.100	237.271
45.0	242.381	242.316	242.251	242.284	242.316	242.398	242.479	241.892	241.305	241.745
47.5	251.460	251.305	251.151	251.134	251.118	251.175	251.232	250.955	250.678	250.922
50.0	260.539	260.295	260.050	259.985	259.920	259.953	259.985	260.018	260.050	260.099
52.5	263.115	263.049	262.984	262.944	262.903	262.862	262.821	262.854	262.887	262.887
55.0	265.690	265.804	265.918	265.902	265.886	265.772	265.657	265.690	265.723	265.674
57.5	271.493	271.509	271.526	271.575	271.624	271.526	271.428	271.452	271.477	271.501
60.0	277.296	277.215	277.133	277.247	277.361	277.280	277.198	277.214	277.230	277.328
62.5	281.404	281.355	281.306	281.355	281.404	281.420	281.436	281.444	281.452	281.526
65.0	285.511	285.495	285.478	285.462	285.446	285.560	285.674	285.674	285.674	285.723
67.5	289.195	289.227	289.260	289.219	289.179	289.227	289.276	289.333	289.391	289.651
70.0	292.878	292.960	293.041	292.976	292.911	292.895	292.878	292.993	293.107	293.580
72.5	294.362	294.411	294.460	294.394	294.329	294.305	294.280	294.337	294.395	294.672
75.0	295.845	295.862	295.878	295.813	295.747	295.715	295.682	295.682	295.682	295.764
77.5	293.482	293.539	293.596	293.555	293.514	293.514	293.514	293.490	293.465	293.506
80.0	291.118	291.216	291.314	291.298	291.281	291.314	291.346	291.297	291.248	291.248
82.5	292.178	292.202	292.227	292.275	292.324	292.332	292.341	292.316	292.292	292.088
85.0	293.237	293.188	293.139	293.253	293.367	293.351	293.335	293.335	293.335	292.928
87.5	292.308	292.218	292.129	292.186	292.243	292.259	292.276	292.267	292.259	292.104
90.0	291.379	291.249	291.118	291.118	291.118	291.167	291.216	291.200	291.183	291.281
92.5	291.999	291.909	291.819	291.844	291.868	291.860	291.852	291.884	291.917	291.966
95.0	292.618	292.569	292.520	292.569	292.618	292.553	292.487	292.569	292.650	292.650
97.5	292.080	292.056	292.031	292.023	292.015	292.015	292.015	292.015	292.015	291.998
100.0	291.542	291.542	291.542	291.477	291.411	291.477	291.542	291.461	291.379	291.347
102.5	293.156	293.213	293.270	293.221	293.172	293.204	293.237	293.180	293.123	293.115
105.0	294.769	294.883	294.997	294.965	294.932	294.932	294.932	294.900	294.867	294.884
107.5	293.547	293.571	293.596	293.596	293.596	293.636	293.677	293.653	293.628	293.604
110.0	292.324	292.259	292.194	292.227	292.259	292.341	292.422	292.406	292.389	292.324
112.5	288.771	288.795	288.820	288.844	288.869	288.918	288.967	288.975	288.983	288.991
115.0	285.217	285.332	285.446	285.462	285.478	285.495	285.511	285.544	285.576	285.658
117.5	281.257	281.289	281.322	281.322	281.322	281.338	281.355	281.371	281.387	281.428
120.0	277.296	277.247	277.198	277.182	277.165	277.182	277.198	277.198	277.198	277.198
122.5	271.640	271.640	271.640	271.534	271.428	271.444	271.461	271.509	271.558	271.493
125.0	265.983	266.032	266.081	265.886	265.690	265.707	265.723	265.821	265.918	265.788
127.5	262.984	263.017	263.050	262.935	262.821	262.862	262.903	262.927	262.952	262.854
130.0	259.985	260.002	260.018	259.985	259.952	260.018	260.083	260.034	259.985	259.920
132.5	251.085	251.126	251.167	251.151	251.134	251.191	251.249	251.183	251.118	251.126
135.0	242.185	242.251	242.316	242.316	242.316	242.365	242.414	242.333	242.251	242.333
137.5	237.573	237.605	237.638	237.614	237.589	237.589	237.589	237.540	237.491	237.516
140.0	232.960	232.960	232.960	232.911	232.862	232.813	232.764	232.748	232.731	232.699
142.5	228.771	228.754	228.738	228.754	228.771	228.714	228.657	228.624	228.591	228.616
145.0	224.581	224.549	224.516	224.598	224.679	224.614	224.549	224.500	224.451	224.533
147.5	223.066	223.082	223.098	223.139	223.180	223.139	223.098	223.033	222.968	223.057
150.0	221.550	221.615	221.680	221.680	221.680	221.664	221.647	221.566	221.484	221.582

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152.5	218.926	218.966	219.007	218.934	218.860	218.844	218.828	218.836	218.844	218.893
155.0	216.301	216.318	216.334	216.187	216.040	216.024	216.008	216.106	216.203	216.203
157.5	213.025	213.000	212.976	212.919	212.862	212.854	212.846	212.870	212.894	212.894
160.0	209.748	209.683	209.618	209.651	209.683	209.683	209.683	209.634	209.585	209.585
162.5	207.238	207.238	207.238	207.238	207.238	207.230	207.222	207.222	207.222	207.246
165.0	204.728	204.793	204.858	204.826	204.793	204.777	204.761	204.810	204.858	204.907
167.5	202.821	202.878	202.935	202.902	202.870	202.813	202.756	202.650	202.544	202.756
170.0	200.914	200.963	201.012	200.979	200.946	200.849	200.751	200.490	200.229	200.604
172.5	198.926	198.926	198.926	198.860	198.795	198.770	198.746	198.624	198.502	198.713
175.0	196.937	196.888	196.839	196.741	196.643	196.692	196.741	196.758	196.774	196.823
177.5	199.284	199.260	199.235	199.186	199.137	199.162	199.186	199.194	199.203	199.227
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Angles	Horizontal 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	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.235	199.227	199.219	199.186	199.153	199.186	199.219	199.186	199.153	199.137
5.0	196.871	196.855	196.839	196.774	196.708	196.774	196.839	196.774	196.708	196.676
7.5	198.860	198.828	198.795	198.803	198.811	198.819	198.828	198.803	198.779	198.811
10.0	200.849	200.800	200.751	200.833	200.914	200.865	200.816	200.833	200.849	200.947
12.5	202.854	202.829	202.805	202.870	202.935	202.878	202.821	202.886	202.952	202.927
15.0	204.858	204.858	204.858	204.907	204.956	204.891	204.826	204.940	205.054	204.908
17.5	207.189	207.222	207.255	207.287	207.320	207.271	207.222	207.279	207.336	207.247
20.0	209.520	209.586	209.651	209.667	209.683	209.651	209.618	209.618	209.618	209.586
22.5	212.780	213.098	213.416	213.416	213.416	213.123	212.829	212.854	212.878	212.854
25.0	216.040	216.611	217.181	217.165	217.149	216.595	216.040	216.089	216.138	216.122
27.5	218.860	219.121	219.382	219.349	219.317	219.080	218.844	218.836	218.828	218.860
30.0	221.680	221.631	221.582	221.533	221.484	221.566	221.647	221.582	221.517	221.599
32.5	223.082	223.074	223.066	223.025	222.984	223.066	223.147	223.098	223.049	223.066
35.0	224.484	224.517	224.549	224.517	224.484	224.566	224.647	224.614	224.581	224.533
37.5	228.592	228.632	228.673	228.640	228.608	228.689	228.771	228.754	228.738	228.705
40.0	232.699	232.748	232.797	232.764	232.731	232.813	232.894	232.894	232.894	232.878
42.5	237.442	237.491	237.540	237.564	237.589	237.638	237.687	237.687	237.687	237.646
45.0	242.185	242.234	242.283	242.365	242.446	242.463	242.479	242.479	242.479	242.414
47.5	251.167	251.126	251.085	251.183	251.281	251.297	251.314	251.305	251.297	251.224
50.0	260.148	260.018	259.887	260.001	260.115	260.132	260.148	260.132	260.115	260.034
52.5	262.887	262.878	262.870	262.943	263.017	262.992	262.968	262.919	262.870	262.829
55.0	265.625	265.739	265.853	265.886	265.918	265.853	265.788	265.707	265.625	265.625
57.5	271.526	271.566	271.607	271.566	271.526	271.517	271.509	271.485	271.461	271.436
60.0	277.426	277.394	277.361	277.247	277.133	277.182	277.230	277.263	277.296	277.247
62.5	281.599	281.583	281.567	281.452	281.338	281.338	281.338	281.387	281.436	281.395
65.0	285.772	285.772	285.772	285.658	285.543	285.495	285.446	285.511	285.576	285.544
67.5	289.912	289.627	289.342	289.570	289.798	289.708	289.619	289.651	289.684	289.667
70.0	294.052	293.482	292.911	293.482	294.052	293.922	293.791	293.791	293.791	293.791
72.5	294.949	294.403	293.857	294.142	294.427	294.411	294.394	294.353	294.313	294.337
75.0	295.845	295.324	294.802	294.802	294.802	294.900	294.997	294.916	294.834	294.883
77.5	293.547	293.270	292.993	292.968	292.944	293.009	293.074	293.082	293.090	293.115
80.0	291.248	291.216	291.183	291.134	291.085	291.118	291.151	291.249	291.346	291.346
82.5	291.884	292.031	292.178	292.006	291.835	291.827	291.819	291.925	292.031	292.006
85.0	292.520	292.846	293.172	292.879	292.585	292.536	292.487	292.601	292.715	292.667
87.5	291.950	292.121	292.292	292.137	291.982	291.892	291.803	291.860	291.917	291.949
90.0	291.379	291.395	291.411	291.395	291.379	291.249	291.118	291.118	291.118	291.232
92.5	292.015	292.031	292.047	292.047	292.047	291.900	291.754	291.786	291.819	291.901
95.0	292.650	292.667	292.683	292.699	292.715	292.552	292.389	292.455	292.520	292.569
97.5	291.982	291.990	291.999	292.047	292.096	292.015	291.933	291.868	291.803	291.925

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CANDELA TABULATION - (Cont.)

100.0	291.314	291.314	291.314	291.396	291.477	291.477	291.477	291.281	291.085	291.281
102.5	293.107	293.099	293.091	293.156	293.221	293.172	293.123	293.050	292.976	293.115
105.0	294.900	294.884	294.867	294.916	294.965	294.867	294.769	294.818	294.867	294.949
107.5	293.580	293.620	293.661	293.628	293.596	293.987	294.378	294.378	294.378	294.403
110.0	292.259	292.357	292.455	292.341	292.226	293.107	293.987	293.938	293.889	293.857
112.5	288.999	288.975	288.951	288.869	288.787	289.301	289.814	289.765	289.716	289.692
115.0	285.739	285.593	285.446	285.397	285.348	285.495	285.641	285.592	285.543	285.527
117.5	281.469	281.444	281.420	281.379	281.338	281.411	281.485	281.485	281.485	281.477
120.0	277.198	277.296	277.393	277.361	277.328	277.328	277.328	277.377	277.426	277.426
122.5	271.428	271.525	271.623	271.566	271.509	271.517	271.526	271.542	271.558	271.615
125.0	265.657	265.755	265.853	265.772	265.690	265.707	265.723	265.707	265.690	265.804
127.5	262.756	262.870	262.984	262.886	262.789	262.789	262.789	262.822	262.854	262.887
130.0	259.855	259.985	260.115	260.001	259.887	259.871	259.855	259.937	260.018	259.969
132.5	251.135	251.175	251.216	251.159	251.102	251.102	251.102	251.102	251.102	251.151
135.0	242.414	242.365	242.316	242.316	242.316	242.332	242.348	242.267	242.185	242.332
137.5	237.540	237.532	237.524	237.548	237.573	237.597	237.621	237.556	237.491	237.565
140.0	232.666	232.699	232.731	232.780	232.829	232.862	232.894	232.846	232.797	232.797
142.5	228.640	228.673	228.705	228.730	228.754	228.689	228.624	228.665	228.706	228.722
145.0	224.614	224.647	224.679	224.679	224.679	224.516	224.353	224.484	224.614	224.647
147.5	223.147	223.114	223.082	223.131	223.180	223.163	223.147	223.082	223.017	223.139
150.0	221.680	221.582	221.484	221.582	221.680	221.811	221.941	221.680	221.419	221.631
152.5	218.942	218.909	218.876	218.893	218.909	218.983	219.056	218.909	218.762	218.893
155.0	216.203	216.236	216.268	216.203	216.138	216.155	216.171	216.138	216.105	216.154
157.5	212.894	212.894	212.894	212.894	212.895	212.862	212.830	212.797	212.764	212.862
160.0	209.585	209.553	209.520	209.586	209.651	209.570	209.488	209.455	209.422	209.569
162.5	207.271	207.214	207.157	207.222	207.288	207.222	207.157	207.165	207.173	207.230
165.0	204.956	204.875	204.793	204.859	204.924	204.875	204.826	204.875	204.924	204.891
167.5	202.968	202.878	202.788	202.870	202.952	202.943	202.935	202.919	202.903	202.870
170.0	200.979	200.881	200.783	200.881	200.979	201.012	201.044	200.963	200.881	200.849
172.5	198.925	198.876	198.827	198.827	198.828	198.868	198.909	198.876	198.844	198.787
175.0	196.871	196.871	196.871	196.774	196.676	196.725	196.774	196.790	196.806	196.725
177.5	199.251	199.251	199.251	199.202	199.154	199.178	199.203	199.211	199.219	199.178
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Angles	Horizontal Angles									
	175.0	177.5	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.121	199.121	199.121	199.170	199.219	199.219	199.219	199.194	199.170	199.170
5.0	196.643	196.643	196.643	196.741	196.839	196.839	196.839	196.790	196.741	196.741
7.5	198.844	198.811	198.779	198.828	198.877	198.860	198.844	198.811	198.779	198.795
10.0	201.044	200.979	200.914	200.914	200.914	200.882	200.849	200.833	200.816	200.849
12.5	202.903	202.886	202.870	202.927	202.984	202.919	202.854	202.829	202.805	202.854
15.0	204.761	204.794	204.826	204.940	205.054	204.956	204.858	204.826	204.793	204.859
17.5	207.157	207.190	207.222	207.304	207.385	207.263	207.140	207.197	207.255	207.287
20.0	209.553	209.586	209.618	209.667	209.716	209.569	209.422	209.569	209.716	209.716
22.5	212.829	212.829	212.829	212.886	212.944	212.862	212.780	212.894	213.009	213.180
25.0	216.105	216.073	216.040	216.106	216.171	216.155	216.138	216.220	216.301	216.644
27.5	218.893	218.811	218.730	218.811	218.893	218.836	218.779	218.893	219.007	219.146
30.0	221.680	221.550	221.419	221.517	221.615	221.517	221.419	221.566	221.713	221.648
32.5	223.082	222.992	222.903	222.976	223.050	223.049	223.049	223.098	223.147	223.114
35.0	224.484	224.435	224.386	224.435	224.484	224.582	224.679	224.630	224.581	224.581
37.5	228.673	228.600	228.526	228.575	228.624	228.714	228.803	228.787	228.771	228.705
40.0	232.862	232.764	232.666	232.715	232.764	232.846	232.927	232.944	232.960	232.830
42.5	237.605	237.524	237.442	237.516	237.589	237.589	237.589	237.597	237.606	237.540
45.0	242.348	242.283	242.218	242.316	242.414	242.333	242.251	242.251	242.251	242.251

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CANDELA TABULATION - (Cont.)

47.5	251.150	251.110	251.069	251.126	251.183	251.183	251.183	251.134	251.086	251.143
50.0	259.952	259.936	259.920	259.936	259.952	260.034	260.115	260.018	259.920	260.034
52.5	262.789	262.838	262.887	262.886	262.886	262.903	262.919	262.919	262.919	262.968
55.0	265.625	265.739	265.853	265.837	265.820	265.772	265.723	265.821	265.918	265.902
57.5	271.412	271.469	271.526	271.534	271.542	271.509	271.477	271.509	271.542	271.599
60.0	277.198	277.198	277.198	277.231	277.263	277.247	277.230	277.198	277.165	277.296
62.5	281.355	281.363	281.371	281.363	281.355	281.354	281.354	281.346	281.338	281.403
65.0	285.511	285.527	285.543	285.495	285.446	285.462	285.478	285.495	285.511	285.511
67.5	289.651	289.496	289.341	289.504	289.668	289.708	289.749	289.724	289.700	289.716
70.0	293.791	293.465	293.139	293.514	293.889	293.954	294.019	293.954	293.889	293.922
72.5	294.362	294.207	294.052	294.215	294.378	294.435	294.492	294.427	294.362	294.362
75.0	294.932	294.949	294.965	294.916	294.867	294.916	294.965	294.900	294.834	294.802
77.5	293.139	293.156	293.172	293.074	292.976	292.993	293.009	293.009	293.009	293.017
80.0	291.346	291.363	291.379	291.232	291.085	291.069	291.053	291.118	291.183	291.232
82.5	291.982	291.966	291.950	291.852	291.754	291.811	291.868	291.884	291.901	291.884
85.0	292.618	292.569	292.520	292.471	292.422	292.553	292.683	292.651	292.618	292.537
87.5	291.982	291.950	291.917	291.884	291.852	291.901	291.950	291.909	291.868	291.868
90.0	291.346	291.330	291.314	291.298	291.281	291.249	291.216	291.167	291.118	291.200
92.5	291.982	291.933	291.885	291.876	291.868	291.876	291.884	291.868	291.852	291.876
95.0	292.618	292.537	292.455	292.455	292.455	292.504	292.552	292.569	292.585	292.553
97.5	292.048	291.925	291.803	291.901	291.999	291.958	291.917	291.990	292.064	291.982
100.0	291.477	291.314	291.151	291.347	291.542	291.412	291.281	291.412	291.542	291.412
102.5	293.254	293.131	293.009	293.131	293.254	293.164	293.074	293.180	293.286	293.229
105.0	295.030	294.949	294.867	294.916	294.965	294.916	294.867	294.949	295.030	295.047
107.5	294.427	294.443	294.460	294.427	294.395	294.354	294.313	294.419	294.525	294.150
110.0	293.824	293.938	294.052	293.938	293.824	293.792	293.759	293.889	294.019	293.253
112.5	289.668	289.757	289.847	289.806	289.765	289.733	289.700	289.765	289.830	289.341
115.0	285.511	285.576	285.641	285.674	285.706	285.674	285.641	285.641	285.641	285.429
117.5	281.469	281.428	281.387	281.468	281.550	281.525	281.501	281.477	281.452	281.338
120.0	277.426	277.280	277.133	277.263	277.393	277.377	277.361	277.312	277.263	277.247
122.5	271.672	271.591	271.510	271.517	271.525	271.517	271.509	271.477	271.444	271.468
125.0	265.918	265.902	265.886	265.772	265.657	265.657	265.657	265.641	265.625	265.690
127.5	262.919	262.895	262.871	262.854	262.838	262.846	262.854	262.870	262.887	262.903
130.0	259.920	259.888	259.855	259.937	260.018	260.034	260.050	260.099	260.148	260.116
132.5	251.200	251.126	251.053	251.094	251.135	251.191	251.248	251.207	251.167	251.150
135.0	242.479	242.365	242.251	242.251	242.251	242.349	242.446	242.316	242.185	242.185
137.5	237.638	237.605	237.573	237.581	237.589	237.573	237.556	237.507	237.458	237.434
140.0	232.797	232.846	232.894	232.911	232.927	232.797	232.666	232.699	232.731	232.683
142.5	228.738	228.697	228.656	228.689	228.722	228.640	228.559	228.591	228.624	228.640
145.0	224.679	224.549	224.418	224.467	224.516	224.484	224.451	224.484	224.516	224.598
147.5	223.261	223.180	223.098	223.155	223.212	223.106	223.001	223.115	223.229	223.188
150.0	221.843	221.811	221.778	221.843	221.908	221.729	221.550	221.746	221.941	221.778
152.5	219.023	218.958	218.893	218.950	219.007	218.934	218.861	218.926	218.991	218.950
155.0	216.203	216.106	216.008	216.057	216.105	216.138	216.171	216.106	216.040	216.122
157.5	212.960	212.837	212.715	212.813	212.911	212.927	212.944	212.837	212.731	212.845
160.0	209.716	209.569	209.422	209.569	209.716	209.716	209.716	209.569	209.422	209.569
162.5	207.287	207.230	207.173	207.263	207.353	207.361	207.369	207.303	207.238	207.263
165.0	204.858	204.891	204.924	204.957	204.989	205.005	205.021	205.038	205.054	204.956
167.5	202.837	202.845	202.854	202.903	202.952	202.984	203.017	203.008	203.000	202.943
170.0	200.816	200.800	200.783	200.849	200.914	200.963	201.012	200.979	200.946	200.930
172.5	198.730	198.754	198.779	198.836	198.893	198.942	198.991	198.925	198.860	198.885
175.0	196.643	196.709	196.774	196.823	196.871	196.920	196.969	196.872	196.774	196.839
177.5	199.137	199.170	199.203	199.227	199.251	199.276	199.300	199.251	199.203	199.235
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5	220.0	222.5
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.170	199.178	199.186	199.227	199.268	199.243	199.219	199.186	199.153	199.145
5.0	196.741	196.758	196.774	196.856	196.937	196.888	196.839	196.774	196.708	196.692
7.5	198.811	198.819	198.828	198.909	198.991	198.950	198.909	198.827	198.746	198.787
10.0	200.881	200.881	200.881	200.963	201.044	201.012	200.979	200.881	200.783	200.881
12.5	202.903	202.862	202.821	202.919	203.017	202.992	202.968	202.935	202.902	202.894
15.0	204.924	204.843	204.761	204.875	204.989	204.973	204.956	204.989	205.021	204.907
17.5	207.320	207.279	207.239	207.304	207.369	207.344	207.320	207.287	207.255	207.181
20.0	209.716	209.716	209.716	209.732	209.748	209.716	209.683	209.586	209.488	209.455
22.5	213.351	213.343	213.335	213.114	212.894	213.122	213.351	213.302	213.253	213.277
25.0	216.986	216.970	216.953	216.497	216.040	216.529	217.018	217.018	217.018	217.100
27.5	219.284	219.251	219.219	219.072	218.925	219.186	219.447	219.455	219.463	219.439
30.0	221.582	221.533	221.484	221.647	221.810	221.843	221.876	221.892	221.908	221.778
32.5	223.082	223.008	222.935	223.008	223.082	223.155	223.229	223.212	223.196	223.163
35.0	224.581	224.484	224.386	224.370	224.353	224.467	224.581	224.533	224.484	224.549
37.5	228.640	228.616	228.592	228.591	228.591	228.616	228.640	228.657	228.673	228.665
40.0	232.699	232.748	232.797	232.813	232.829	232.764	232.699	232.781	232.862	232.781
42.5	237.475	237.500	237.524	237.565	237.605	237.369	237.133	237.361	237.589	237.556
45.0	242.251	242.251	242.251	242.316	242.381	241.974	241.566	241.941	242.316	242.332
47.5	251.200	251.159	251.118	251.159	251.200	250.988	250.776	251.004	251.232	251.167
50.0	260.148	260.067	259.985	260.002	260.018	260.002	259.985	260.067	260.148	260.002
52.5	263.017	262.984	262.952	262.887	262.822	262.854	262.887	262.887	262.887	262.813
55.0	265.886	265.902	265.918	265.772	265.625	265.707	265.788	265.707	265.625	265.625
57.5	271.656	271.632	271.607	271.558	271.509	271.509	271.509	271.452	271.395	271.395
60.0	277.426	277.361	277.296	277.345	277.393	277.312	277.230	277.198	277.165	277.165
62.5	281.469	281.452	281.436	281.509	281.583	281.534	281.485	281.452	281.420	281.387
65.0	285.511	285.544	285.576	285.674	285.772	285.756	285.739	285.707	285.674	285.609
67.5	289.733	289.513	289.293	289.594	289.896	289.594	289.293	289.276	289.260	289.227
70.0	293.954	293.482	293.009	293.514	294.019	293.433	292.846	292.846	292.846	292.846
72.5	294.362	294.158	293.955	294.427	294.900	294.663	294.427	294.386	294.346	294.321
75.0	294.769	294.835	294.900	295.340	295.780	295.894	296.008	295.927	295.845	295.796
77.5	293.025	293.074	293.123	293.294	293.466	293.580	293.694	293.604	293.514	293.539
80.0	291.281	291.314	291.346	291.249	291.151	291.265	291.379	291.281	291.183	291.281
82.5	291.868	292.055	292.243	292.064	291.885	292.072	292.259	292.251	292.243	292.292
85.0	292.455	292.797	293.139	292.879	292.618	292.879	293.139	293.221	293.302	293.302
87.5	291.868	292.072	292.275	292.129	291.982	292.129	292.275	292.283	292.292	292.324
90.0	291.281	291.346	291.411	291.379	291.346	291.379	291.411	291.346	291.281	291.346
92.5	291.901	291.958	292.015	291.990	291.966	291.933	291.900	291.884	291.868	291.966
95.0	292.520	292.569	292.618	292.602	292.585	292.487	292.389	292.422	292.455	292.585
97.5	291.901	291.909	291.917	291.966	292.015	291.925	291.835	291.925	292.015	292.015
100.0	291.281	291.249	291.216	291.330	291.444	291.363	291.281	291.428	291.574	291.444
102.5	293.172	293.131	293.091	293.139	293.188	293.131	293.074	293.147	293.221	293.131
105.0	295.063	295.014	294.965	294.949	294.932	294.900	294.867	294.867	294.867	294.818
107.5	293.775	293.677	293.580	293.653	293.726	293.677	293.628	293.587	293.547	293.563
110.0	292.487	292.341	292.194	292.357	292.520	292.455	292.389	292.308	292.226	292.308
112.5	288.852	288.852	288.853	288.975	289.097	289.040	288.983	288.917	288.852	288.877
115.0	285.217	285.364	285.511	285.593	285.674	285.625	285.576	285.527	285.478	285.446
117.5	281.224	281.330	281.436	281.493	281.550	281.477	281.403	281.371	281.338	281.338
120.0	277.230	277.296	277.361	277.394	277.426	277.328	277.230	277.214	277.198	277.231
122.5	271.493	271.534	271.575	271.558	271.542	271.542	271.542	271.517	271.493	271.477
125.0	265.755	265.772	265.788	265.723	265.657	265.755	265.853	265.821	265.788	265.723
127.5	262.919	262.895	262.870	262.846	262.821	262.838	262.854	262.838	262.822	262.813
130.0	260.083	260.018	259.952	259.969	259.985	259.920	259.855	259.855	259.855	259.904

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CANDELA TABULATION - (Cont.)

132.5	251.134	251.118	251.102	251.126	251.151	251.134	251.118	251.086	251.053	251.102
135.0	242.185	242.218	242.251	242.284	242.316	242.349	242.381	242.316	242.251	242.300
137.5	237.410	237.483	237.557	237.565	237.573	237.613	237.654	237.613	237.573	237.573
140.0	232.634	232.748	232.862	232.846	232.829	232.878	232.927	232.911	232.894	232.846
142.5	228.657	228.681	228.706	228.665	228.624	228.705	228.787	228.730	228.673	228.648
145.0	224.679	224.614	224.549	224.484	224.418	224.533	224.647	224.549	224.451	224.451
147.5	223.147	223.115	223.082	222.992	222.903	222.960	223.017	222.992	222.968	223.090
150.0	221.615	221.615	221.615	221.501	221.387	221.387	221.387	221.436	221.484	221.729
152.5	218.909	218.917	218.926	218.812	218.698	218.763	218.828	218.803	218.779	218.885
155.0	216.203	216.220	216.236	216.122	216.008	216.138	216.268	216.171	216.073	216.041
157.5	212.960	212.927	212.895	212.838	212.781	212.846	212.911	212.886	212.862	212.862
160.0	209.716	209.635	209.553	209.553	209.553	209.553	209.553	209.602	209.651	209.684
162.5	207.287	207.230	207.173	207.189	207.206	207.238	207.271	207.263	207.255	207.312
165.0	204.858	204.826	204.793	204.826	204.858	204.924	204.989	204.924	204.858	204.940
167.5	202.886	202.862	202.837	202.878	202.919	202.772	202.626	202.731	202.837	202.910
170.0	200.914	200.898	200.881	200.930	200.979	200.621	200.262	200.539	200.816	200.881
172.5	198.909	198.868	198.828	198.868	198.909	198.689	198.469	198.648	198.828	198.844
175.0	196.904	196.839	196.774	196.807	196.839	196.758	196.676	196.758	196.839	196.807
177.5	199.268	199.235	199.203	199.219	199.235	199.194	199.154	199.194	199.235	199.219
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

**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	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.137	199.202	199.268	199.202	199.137	199.170	199.202	199.218	199.235	199.251
5.0	196.676	196.807	196.937	196.807	196.676	196.741	196.806	196.839	196.871	196.904
7.5	198.828	198.844	198.860	198.852	198.844	198.803	198.762	198.844	198.925	198.942
10.0	200.979	200.881	200.783	200.898	201.012	200.865	200.718	200.849	200.979	200.979
12.5	202.886	202.845	202.805	202.862	202.919	202.878	202.837	202.927	203.017	202.984
15.0	204.793	204.810	204.826	204.826	204.826	204.891	204.956	205.005	205.054	204.989
17.5	207.108	207.173	207.239	207.247	207.255	207.271	207.287	207.336	207.385	207.336
20.0	209.422	209.537	209.651	209.667	209.683	209.651	209.618	209.667	209.716	209.684
22.5	213.302	213.139	212.976	213.180	213.383	213.334	213.286	213.326	213.367	213.139
25.0	217.181	216.741	216.301	216.692	217.083	217.018	216.953	216.986	217.018	216.595
27.5	219.414	219.259	219.105	219.251	219.398	219.423	219.447	219.463	219.480	219.268
30.0	221.647	221.778	221.908	221.811	221.713	221.827	221.941	221.941	221.941	221.941
32.5	223.131	223.155	223.180	223.172	223.164	223.221	223.278	223.229	223.180	223.229
35.0	224.614	224.533	224.451	224.533	224.614	224.614	224.614	224.516	224.418	224.516
37.5	228.657	228.608	228.559	228.673	228.787	228.787	228.787	228.722	228.656	228.656
40.0	232.699	232.683	232.666	232.813	232.960	232.960	232.960	232.927	232.894	232.797
42.5	237.524	237.548	237.573	237.622	237.671	237.687	237.703	237.638	237.573	237.279
45.0	242.348	242.414	242.479	242.430	242.381	242.414	242.446	242.349	242.251	241.762
47.5	251.102	251.151	251.200	251.371	251.542	251.558	251.574	251.558	251.542	251.224
50.0	259.855	259.888	259.920	260.311	260.702	260.702	260.702	260.768	260.833	260.686
52.5	262.740	262.748	262.756	262.992	263.229	263.204	263.180	263.270	263.360	263.213
55.0	265.625	265.609	265.592	265.674	265.755	265.706	265.657	265.772	265.886	265.739
57.5	271.395	271.428	271.460	271.460	271.460	271.436	271.411	271.501	271.591	271.534
60.0	277.165	277.247	277.328	277.247	277.165	277.165	277.165	277.231	277.296	277.329
62.5	281.354	281.452	281.550	281.460	281.371	281.395	281.420	281.460	281.501	281.501
65.0	285.543	285.658	285.772	285.674	285.576	285.625	285.674	285.690	285.706	285.674
67.5	289.195	289.317	289.440	289.333	289.227	289.268	289.309	289.293	289.276	289.309
70.0	292.846	292.977	293.107	292.993	292.878	292.911	292.944	292.895	292.846	292.944
72.5	294.297	294.346	294.395	294.403	294.411	294.378	294.346	294.337	294.329	294.370
75.0	295.747	295.715	295.682	295.813	295.943	295.845	295.747	295.780	295.812	295.796
77.5	293.563	293.506	293.449	293.498	293.547	293.531	293.514	293.775	294.036	293.971

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CANDELA TABULATION - (Cont.)

80.0	291.379	291.298	291.216	291.184	291.151	291.216	291.281	291.770	292.259	292.145
82.5	292.341	292.275	292.210	292.227	292.243	292.219	292.194	292.447	292.699	292.658
85.0	293.302	293.253	293.204	293.270	293.335	293.221	293.107	293.123	293.139	293.172
87.5	292.357	292.324	292.292	292.267	292.243	292.210	292.178	292.153	292.129	292.145
90.0	291.411	291.395	291.379	291.265	291.151	291.200	291.248	291.183	291.118	291.118
92.5	292.063	292.023	291.982	291.909	291.836	291.852	291.868	291.835	291.803	291.827
95.0	292.715	292.650	292.585	292.553	292.520	292.504	292.487	292.487	292.487	292.536
97.5	292.015	291.990	291.966	291.974	291.982	291.949	291.917	291.909	291.901	291.925
100.0	291.314	291.330	291.346	291.395	291.444	291.395	291.346	291.330	291.314	291.314
102.5	293.042	293.074	293.107	293.131	293.156	293.180	293.205	293.188	293.172	293.123
105.0	294.769	294.818	294.867	294.867	294.867	294.965	295.063	295.047	295.030	294.932
107.5	293.579	293.604	293.628	293.612	293.596	293.661	293.726	293.702	293.677	293.653
110.0	292.389	292.389	292.389	292.357	292.324	292.357	292.389	292.357	292.324	292.373
112.5	288.901	288.901	288.901	288.885	288.869	288.901	288.934	288.885	288.836	288.893
115.0	285.413	285.413	285.413	285.413	285.413	285.446	285.478	285.413	285.348	285.413
117.5	281.338	281.371	281.403	281.371	281.338	281.387	281.436	281.354	281.273	281.322
120.0	277.263	277.328	277.393	277.328	277.263	277.328	277.393	277.296	277.198	277.231
122.5	271.460	271.542	271.623	271.582	271.542	271.591	271.640	271.566	271.493	271.575
125.0	265.657	265.755	265.853	265.837	265.820	265.853	265.886	265.837	265.788	265.919
127.5	262.805	262.903	263.001	262.960	262.919	262.952	262.985	262.919	262.854	262.960
130.0	259.952	260.050	260.148	260.083	260.018	260.051	260.083	260.002	259.920	260.002
132.5	251.150	251.224	251.297	251.248	251.200	251.191	251.183	251.142	251.102	251.134
135.0	242.348	242.397	242.446	242.414	242.381	242.332	242.283	242.283	242.283	242.267
137.5	237.573	237.573	237.573	237.573	237.573	237.589	237.605	237.605	237.605	237.540
140.0	232.797	232.748	232.699	232.732	232.764	232.846	232.927	232.927	232.927	232.813
142.5	228.624	228.608	228.592	228.657	228.722	228.754	228.787	228.763	228.738	228.706
145.0	224.451	224.468	224.484	224.582	224.679	224.663	224.647	224.598	224.549	224.598
147.5	223.212	223.123	223.033	223.049	223.066	223.098	223.131	223.131	223.131	223.131
150.0	221.973	221.778	221.582	221.517	221.452	221.534	221.615	221.664	221.713	221.664
152.5	218.991	218.950	218.909	218.828	218.746	218.779	218.812	218.836	218.861	218.901
155.0	216.008	216.122	216.236	216.138	216.040	216.024	216.008	216.008	216.008	216.138
157.5	212.862	212.903	212.944	212.854	212.764	212.764	212.764	212.805	212.846	212.854
160.0	209.716	209.684	209.651	209.570	209.488	209.504	209.520	209.602	209.683	209.569
162.5	207.369	207.328	207.288	207.263	207.239	207.206	207.173	207.246	207.320	207.255
165.0	205.021	204.973	204.924	204.957	204.989	204.908	204.826	204.891	204.956	204.940
167.5	202.984	202.935	202.887	202.895	202.903	202.862	202.821	202.837	202.854	202.919
170.0	200.946	200.898	200.849	200.833	200.816	200.816	200.816	200.784	200.751	200.898
172.5	198.860	198.819	198.779	198.779	198.779	198.795	198.811	198.811	198.811	198.827
175.0	196.774	196.741	196.708	196.725	196.741	196.774	196.806	196.839	196.871	196.757
177.5	199.203	199.186	199.170	199.178	199.186	199.202	199.219	199.235	199.251	199.194
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Horizontal Angles
Angles

	250.0	252.5	255.0	257.5	260.0	262.5	265.0	267.5	270.0	272.5
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.268	199.251	199.235	199.210	199.186	199.235	199.284	199.202	199.121	199.121
5.0	196.937	196.904	196.871	196.823	196.774	196.872	196.969	196.806	196.643	196.643
7.5	198.958	198.925	198.893	198.828	198.763	198.860	198.958	198.893	198.828	198.828
10.0	200.979	200.947	200.914	200.833	200.751	200.849	200.946	200.979	201.012	201.012
12.5	202.952	202.919	202.886	202.854	202.821	202.911	203.000	202.960	202.919	202.895
15.0	204.924	204.891	204.858	204.875	204.891	204.973	205.054	204.940	204.826	204.777
17.5	207.288	207.287	207.287	207.255	207.222	207.271	207.320	207.271	207.222	207.222
20.0	209.651	209.684	209.716	209.635	209.553	209.569	209.585	209.602	209.618	209.667
22.5	212.911	213.115	213.318	213.326	213.335	213.082	212.829	212.854	212.878	212.943
25.0	216.171	216.546	216.920	217.018	217.116	216.595	216.073	216.106	216.138	216.220

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CANDELA TABULATION - (Cont.)

27.5	219.056	219.203	219.349	219.406	219.463	219.178	218.893	218.942	218.991	218.982
30.0	221.941	221.860	221.778	221.794	221.810	221.762	221.713	221.778	221.843	221.745
32.5	223.278	223.229	223.180	223.155	223.131	223.155	223.180	223.204	223.229	223.163
35.0	224.614	224.598	224.581	224.516	224.451	224.549	224.647	224.631	224.614	224.582
37.5	228.657	228.860	229.064	228.836	228.608	228.697	228.787	228.754	228.722	228.697
40.0	232.699	233.123	233.546	233.155	232.764	232.846	232.927	232.878	232.829	232.813
42.5	236.986	237.491	237.996	237.548	237.100	237.402	237.703	237.613	237.524	237.532
45.0	241.273	241.860	242.446	241.941	241.436	241.958	242.479	242.349	242.218	242.251
47.5	250.906	251.216	251.525	251.134	250.743	251.028	251.314	251.004	250.694	250.914
50.0	260.539	260.572	260.604	260.327	260.050	260.099	260.148	259.659	259.170	259.578
52.5	263.066	263.090	263.115	263.049	262.984	262.976	262.968	262.707	262.447	262.691
55.0	265.592	265.609	265.625	265.772	265.918	265.853	265.788	265.756	265.723	265.805
57.5	271.477	271.501	271.526	271.574	271.623	271.558	271.493	271.485	271.477	271.542
60.0	277.361	277.394	277.426	277.377	277.328	277.263	277.198	277.214	277.230	277.279
62.5	281.501	281.542	281.583	281.526	281.469	281.460	281.452	281.436	281.420	281.428
65.0	285.641	285.690	285.739	285.674	285.609	285.658	285.706	285.658	285.609	285.576
67.5	289.341	289.349	289.358	289.309	289.260	289.341	289.423	289.390	289.358	289.342
70.0	293.041	293.009	292.976	292.944	292.911	293.025	293.139	293.123	293.107	293.107
72.5	294.411	294.435	294.460	294.443	294.427	294.468	294.509	294.509	294.509	294.468
75.0	295.780	295.862	295.943	295.943	295.943	295.911	295.878	295.894	295.910	295.829
77.5	293.906	293.979	294.052	294.077	294.101	294.069	294.036	294.085	294.134	294.019
80.0	292.031	292.096	292.161	292.210	292.259	292.227	292.194	292.276	292.357	292.210
82.5	292.618	292.634	292.650	292.699	292.748	292.724	292.699	292.724	292.748	292.707
85.0	293.204	293.172	293.139	293.188	293.237	293.221	293.204	293.172	293.139	293.205
87.5	292.161	292.218	292.275	292.243	292.210	292.226	292.243	292.194	292.145	292.170
90.0	291.118	291.265	291.411	291.297	291.183	291.232	291.281	291.216	291.151	291.135
92.5	291.852	291.917	291.982	291.908	291.835	291.892	291.950	291.933	291.917	291.876
95.0	292.585	292.569	292.552	292.520	292.487	292.553	292.618	292.651	292.683	292.618
97.5	291.950	291.941	291.933	291.974	292.015	291.990	291.966	292.023	292.080	292.047
100.0	291.314	291.314	291.314	291.428	291.542	291.428	291.314	291.396	291.477	291.477
102.5	293.074	293.115	293.156	293.164	293.172	293.123	293.074	293.172	293.270	293.205
105.0	294.834	294.916	294.997	294.900	294.802	294.818	294.834	294.949	295.063	294.933
107.5	293.628	293.644	293.661	293.636	293.612	293.604	293.596	293.685	293.775	293.653
110.0	292.422	292.373	292.324	292.373	292.422	292.390	292.357	292.422	292.487	292.373
112.5	288.950	288.860	288.771	288.795	288.820	288.869	288.918	288.885	288.852	288.828
115.0	285.478	285.348	285.217	285.217	285.217	285.348	285.478	285.348	285.217	285.283
117.5	281.371	281.314	281.257	281.265	281.273	281.403	281.534	281.395	281.257	281.346
120.0	277.263	277.280	277.296	277.312	277.328	277.459	277.589	277.443	277.296	277.410
122.5	271.656	271.656	271.656	271.615	271.574	271.705	271.835	271.762	271.689	271.721
125.0	266.049	266.033	266.016	265.918	265.820	265.951	266.081	266.081	266.081	266.032
127.5	263.066	263.009	262.952	262.935	262.919	262.944	262.968	263.041	263.115	263.090
130.0	260.083	259.985	259.887	259.953	260.018	259.937	259.855	260.002	260.148	260.148
132.5	251.167	251.118	251.069	251.126	251.183	250.874	250.564	250.694	250.825	250.784
135.0	242.251	242.251	242.251	242.300	242.348	241.811	241.273	241.387	241.501	241.420
137.5	237.475	237.540	237.606	237.613	237.621	237.361	237.100	237.084	237.068	237.100
140.0	232.699	232.830	232.960	232.927	232.894	232.911	232.927	232.781	232.634	232.781
142.5	228.673	228.730	228.787	228.714	228.640	228.673	228.706	228.640	228.575	228.616
145.0	224.647	224.631	224.614	224.500	224.386	224.435	224.484	224.500	224.516	224.451
147.5	223.131	223.123	223.115	223.049	222.984	222.992	223.001	223.066	223.131	223.009
150.0	221.615	221.615	221.615	221.599	221.582	221.550	221.517	221.631	221.745	221.566
152.5	218.942	218.942	218.942	218.893	218.844	218.836	218.828	218.885	218.942	218.828
155.0	216.268	216.268	216.268	216.187	216.105	216.122	216.138	216.138	216.138	216.089
157.5	212.862	212.902	212.943	212.870	212.797	212.788	212.780	212.821	212.862	212.854
160.0	209.455	209.537	209.618	209.553	209.488	209.455	209.422	209.504	209.585	209.618
162.5	207.190	207.190	207.190	207.165	207.141	207.181	207.222	207.205	207.189	207.255
165.0	204.924	204.843	204.761	204.777	204.793	204.907	205.021	204.907	204.793	204.891

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CANDELA TABULATION - (Cont.)

167.5	202.984	202.911	202.838	202.821	202.805	202.894	202.984	202.951	202.919	202.951
170.0	201.044	200.979	200.914	200.865	200.816	200.881	200.946	200.995	201.044	201.012
172.5	198.844	198.860	198.877	198.852	198.828	198.819	198.811	198.884	198.958	198.917
175.0	196.643	196.741	196.839	196.839	196.839	196.758	196.676	196.774	196.871	196.823
177.5	199.137	199.186	199.235	199.235	199.235	199.194	199.154	199.202	199.251	199.227
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Angles	Horizontal Angles									
	275.0	277.5	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.121	199.153	199.186	199.178	199.170	199.194	199.219	199.243	199.268	199.194
5.0	196.643	196.709	196.774	196.758	196.741	196.790	196.839	196.888	196.937	196.790
7.5	198.828	198.820	198.812	198.844	198.877	198.877	198.877	198.934	198.991	198.901
10.0	201.012	200.931	200.849	200.931	201.012	200.963	200.914	200.979	201.044	201.012
12.5	202.870	202.862	202.854	202.927	203.001	202.919	202.838	202.894	202.951	202.911
15.0	204.728	204.793	204.858	204.924	204.989	204.875	204.761	204.810	204.858	204.810
17.5	207.222	207.181	207.140	207.238	207.336	207.279	207.222	207.189	207.157	207.165
20.0	209.716	209.569	209.422	209.553	209.683	209.683	209.683	209.569	209.455	209.520
22.5	213.009	213.114	213.220	213.310	213.400	213.188	212.976	213.082	213.188	213.245
25.0	216.301	216.660	217.018	217.067	217.116	216.692	216.268	216.594	216.920	216.969
27.5	218.974	219.170	219.366	219.398	219.431	219.227	219.023	219.162	219.300	219.333
30.0	221.647	221.680	221.713	221.729	221.745	221.762	221.778	221.729	221.680	221.697
32.5	223.098	223.090	223.082	223.115	223.147	223.139	223.131	223.155	223.180	223.115
35.0	224.549	224.500	224.451	224.500	224.549	224.517	224.484	224.582	224.679	224.533
37.5	228.673	228.673	228.673	228.787	228.901	228.795	228.689	228.730	228.771	228.657
40.0	232.797	232.846	232.894	233.074	233.253	233.074	232.894	232.878	232.862	232.781
42.5	237.540	237.369	237.198	237.475	237.752	237.426	237.100	237.361	237.622	237.597
45.0	242.283	241.892	241.501	241.876	242.251	241.778	241.305	241.843	242.381	242.414
47.5	251.134	250.939	250.743	251.143	251.542	251.265	250.988	251.281	251.574	251.566
50.0	259.985	259.985	259.985	260.409	260.833	260.752	260.670	260.719	260.767	260.719
52.5	262.936	262.870	262.805	263.082	263.360	263.294	263.229	263.286	263.343	263.245
55.0	265.886	265.756	265.625	265.756	265.886	265.837	265.788	265.853	265.918	265.772
57.5	271.607	271.493	271.379	271.509	271.640	271.550	271.461	271.501	271.542	271.493
60.0	277.328	277.231	277.133	277.263	277.393	277.263	277.133	277.149	277.165	277.214
62.5	281.436	281.436	281.436	281.501	281.566	281.485	281.404	281.387	281.371	281.444
65.0	285.543	285.641	285.739	285.739	285.739	285.707	285.674	285.625	285.576	285.674
67.5	289.325	289.341	289.358	289.390	289.423	289.415	289.407	289.382	289.358	289.366
70.0	293.107	293.042	292.976	293.042	293.107	293.123	293.139	293.139	293.139	293.058
72.5	294.427	294.443	294.460	294.435	294.411	294.443	294.476	294.443	294.411	294.419
75.0	295.747	295.845	295.943	295.829	295.715	295.764	295.812	295.747	295.682	295.780
77.5	293.905	293.979	294.052	293.995	293.938	293.946	293.954	293.946	293.938	293.726
80.0	292.063	292.112	292.161	292.161	292.161	292.129	292.096	292.145	292.194	291.673
82.5	292.667	292.683	292.699	292.715	292.732	292.732	292.732	292.740	292.748	292.487
85.0	293.270	293.254	293.237	293.270	293.302	293.335	293.367	293.335	293.302	293.302
87.5	292.194	292.235	292.276	292.251	292.227	292.284	292.341	292.324	292.308	292.292
90.0	291.118	291.216	291.314	291.233	291.151	291.233	291.314	291.314	291.314	291.281
92.5	291.835	291.860	291.885	291.844	291.803	291.852	291.901	291.958	292.015	291.990
95.0	292.552	292.504	292.455	292.455	292.455	292.471	292.487	292.601	292.715	292.699
97.5	292.015	292.023	292.031	291.982	291.933	291.941	291.949	291.982	292.015	292.015
100.0	291.477	291.542	291.607	291.509	291.411	291.411	291.411	291.363	291.314	291.330
102.5	293.140	293.221	293.302	293.245	293.188	293.155	293.123	293.131	293.140	293.148
105.0	294.802	294.900	294.997	294.981	294.965	294.900	294.834	294.900	294.965	294.965
107.5	293.531	293.636	293.742	293.669	293.596	293.563	293.530	293.596	293.661	293.645
110.0	292.259	292.373	292.487	292.357	292.226	292.226	292.226	292.292	292.357	292.325
112.5	288.804	288.861	288.918	288.877	288.836	288.803	288.771	288.844	288.918	288.844

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CANDELA TABULATION - (Cont.)

115.0	285.348	285.348	285.348	285.397	285.446	285.381	285.315	285.397	285.478	285.364
117.5	281.436	281.379	281.322	281.355	281.387	281.379	281.371	281.395	281.420	281.379
120.0	277.524	277.410	277.296	277.312	277.328	277.377	277.426	277.394	277.361	277.394
122.5	271.754	271.713	271.673	271.648	271.623	271.672	271.721	271.615	271.509	271.574
125.0	265.983	266.016	266.049	265.984	265.918	265.967	266.016	265.837	265.657	265.755
127.5	263.066	263.050	263.034	263.025	263.017	263.009	263.001	262.886	262.772	262.854
130.0	260.148	260.083	260.018	260.067	260.115	260.050	259.985	259.936	259.887	259.953
132.5	250.743	250.996	251.249	251.224	251.199	251.183	251.167	251.118	251.069	251.134
135.0	241.338	241.909	242.479	242.381	242.283	242.316	242.348	242.300	242.251	242.316
137.5	237.133	237.410	237.687	237.613	237.540	237.564	237.589	237.540	237.491	237.581
140.0	232.927	232.911	232.894	232.846	232.797	232.813	232.829	232.780	232.731	232.846
142.5	228.657	228.673	228.689	228.657	228.624	228.665	228.705	228.697	228.689	228.738
145.0	224.386	224.435	224.484	224.468	224.451	224.516	224.581	224.614	224.647	224.631
147.5	222.887	222.935	222.984	222.960	222.935	222.976	223.017	223.049	223.082	223.115
150.0	221.387	221.436	221.484	221.452	221.419	221.436	221.452	221.485	221.517	221.599
152.5	218.714	218.811	218.909	218.811	218.714	218.746	218.779	218.811	218.844	218.885
155.0	216.040	216.187	216.334	216.171	216.008	216.057	216.105	216.138	216.171	216.171
157.5	212.846	212.903	212.960	212.846	212.732	212.813	212.894	212.903	212.911	212.895
160.0	209.651	209.618	209.585	209.520	209.455	209.569	209.683	209.667	209.651	209.618
162.5	207.320	207.287	207.255	207.230	207.206	207.279	207.352	207.279	207.206	207.214
165.0	204.989	204.957	204.924	204.940	204.956	204.989	205.021	204.891	204.761	204.810
167.5	202.984	202.911	202.838	202.886	202.935	202.919	202.902	202.878	202.854	202.854
170.0	200.979	200.865	200.751	200.833	200.914	200.849	200.783	200.865	200.946	200.898
172.5	198.877	198.803	198.730	198.819	198.909	198.876	198.844	198.901	198.958	198.917
175.0	196.774	196.741	196.708	196.806	196.904	196.904	196.904	196.937	196.969	196.937
177.5	199.203	199.186	199.170	199.219	199.268	199.268	199.268	199.284	199.300	199.284
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

**Vert.
Angles**

Horizontal Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.121	199.178	199.235	199.227	199.219	199.210	199.202	199.243	199.284	199.276
5.0	196.643	196.757	196.871	196.855	196.839	196.823	196.806	196.888	196.969	196.953
7.5	198.811	198.876	198.942	198.925	198.909	198.876	198.844	198.917	198.991	198.934
10.0	200.979	200.996	201.012	200.996	200.979	200.930	200.881	200.947	201.012	200.914
12.5	202.870	202.935	203.001	202.927	202.854	202.862	202.870	202.902	202.935	202.862
15.0	204.761	204.875	204.989	204.859	204.728	204.793	204.858	204.858	204.858	204.810
17.5	207.173	207.238	207.304	207.230	207.157	207.189	207.222	207.238	207.255	207.238
20.0	209.585	209.602	209.618	209.602	209.585	209.585	209.585	209.618	209.651	209.667
22.5	213.302	213.351	213.400	213.122	212.845	213.106	213.367	213.367	213.367	213.400
25.0	217.018	217.100	217.181	216.643	216.105	216.627	217.149	217.116	217.083	217.132
27.5	219.366	219.431	219.496	219.202	218.909	219.178	219.447	219.447	219.447	219.439
30.0	221.713	221.762	221.810	221.762	221.713	221.729	221.745	221.778	221.810	221.745
32.5	223.050	223.098	223.147	223.123	223.099	223.147	223.196	223.220	223.245	223.212
35.0	224.386	224.435	224.484	224.484	224.484	224.566	224.647	224.663	224.679	224.679
37.5	228.543	228.592	228.641	228.624	228.608	228.648	228.689	228.705	228.722	228.771
40.0	232.699	232.748	232.797	232.764	232.731	232.731	232.731	232.748	232.764	232.862
42.5	237.573	237.589	237.606	237.597	237.589	237.581	237.573	237.573	237.573	237.385
45.0	242.446	242.430	242.414	242.430	242.446	242.430	242.414	242.398	242.381	241.909
47.5	251.558	251.566	251.575	251.371	251.167	251.175	251.183	251.199	251.216	250.996
50.0	260.670	260.703	260.735	260.311	259.887	259.920	259.952	260.001	260.050	260.083
52.5	263.148	263.229	263.311	263.041	262.772	262.837	262.903	262.919	262.935	262.935
55.0	265.625	265.756	265.886	265.772	265.657	265.755	265.853	265.837	265.820	265.788
57.5	271.444	271.477	271.510	271.526	271.542	271.574	271.607	271.615	271.623	271.599
60.0	277.263	277.198	277.133	277.280	277.426	277.394	277.361	277.394	277.426	277.410

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CANDELA TABULATION - (Cont.)

62.5	281.518	281.436	281.355	281.412	281.469	281.452	281.436	281.501	281.566	281.534
65.0	285.772	285.674	285.576	285.544	285.511	285.511	285.511	285.609	285.706	285.658
67.5	289.374	289.358	289.342	289.309	289.276	289.244	289.211	289.244	289.276	289.268
70.0	292.976	293.042	293.107	293.074	293.041	292.976	292.911	292.879	292.846	292.879
72.5	294.427	294.443	294.460	294.435	294.411	294.362	294.313	294.305	294.297	294.297
75.0	295.878	295.845	295.812	295.796	295.780	295.748	295.715	295.731	295.747	295.715
77.5	293.515	293.555	293.596	293.539	293.482	293.506	293.531	293.465	293.400	293.408
80.0	291.151	291.265	291.379	291.281	291.183	291.265	291.346	291.200	291.053	291.102
82.5	292.227	292.284	292.341	292.235	292.129	292.218	292.308	292.243	292.178	292.145
85.0	293.302	293.302	293.302	293.188	293.074	293.172	293.270	293.286	293.302	293.188
87.5	292.275	292.275	292.275	292.218	292.161	292.210	292.259	292.267	292.275	292.251
90.0	291.248	291.248	291.248	291.248	291.248	291.248	291.248	291.248	291.248	291.314
92.5	291.966	291.949	291.933	291.892	291.852	291.909	291.966	291.966	291.966	291.990
95.0	292.683	292.651	292.618	292.537	292.455	292.569	292.683	292.683	292.683	292.667
97.5	292.015	291.990	291.966	291.942	291.917	291.999	292.080	292.064	292.047	292.015
100.0	291.346	291.330	291.314	291.347	291.379	291.428	291.477	291.444	291.411	291.363
102.5	293.156	293.099	293.042	293.082	293.123	293.197	293.270	293.196	293.123	293.147
105.0	294.965	294.867	294.769	294.818	294.867	294.965	295.063	294.949	294.834	294.932
107.5	293.629	293.604	293.579	293.612	293.645	293.653	293.661	293.612	293.563	293.612
110.0	292.292	292.341	292.389	292.406	292.422	292.341	292.259	292.276	292.292	292.292
112.5	288.771	288.836	288.901	288.893	288.885	288.885	288.885	288.820	288.755	288.828
115.0	285.250	285.332	285.413	285.381	285.348	285.430	285.511	285.364	285.217	285.364
117.5	281.338	281.379	281.420	281.371	281.322	281.363	281.404	281.363	281.322	281.395
120.0	277.426	277.426	277.426	277.361	277.296	277.296	277.296	277.361	277.426	277.426
122.5	271.640	271.664	271.689	271.689	271.689	271.632	271.575	271.583	271.591	271.623
125.0	265.853	265.902	265.951	266.016	266.081	265.967	265.853	265.804	265.755	265.821
127.5	262.936	262.952	262.968	263.001	263.033	262.952	262.870	262.870	262.870	262.878
130.0	260.018	260.002	259.985	259.985	259.985	259.936	259.887	259.936	259.985	259.936
132.5	251.200	251.183	251.167	251.183	251.200	251.167	251.134	251.167	251.200	251.183
135.0	242.381	242.365	242.348	242.381	242.414	242.398	242.381	242.398	242.414	242.430
137.5	237.671	237.581	237.491	237.524	237.557	237.573	237.589	237.614	237.638	237.646
140.0	232.960	232.797	232.634	232.667	232.699	232.748	232.797	232.830	232.862	232.862
142.5	228.787	228.722	228.657	228.657	228.657	228.673	228.689	228.705	228.722	228.697
145.0	224.614	224.647	224.679	224.647	224.614	224.598	224.581	224.581	224.581	224.533
147.5	223.147	223.114	223.082	223.057	223.033	223.114	223.196	223.090	222.984	223.009
150.0	221.680	221.582	221.484	221.468	221.452	221.631	221.810	221.599	221.387	221.485
152.5	218.926	218.885	218.844	218.860	218.877	218.958	219.039	218.933	218.828	218.885
155.0	216.171	216.187	216.203	216.252	216.301	216.285	216.268	216.268	216.268	216.285
157.5	212.878	212.886	212.894	212.935	212.976	212.960	212.943	212.935	212.927	212.919
160.0	209.585	209.585	209.585	209.618	209.651	209.635	209.618	209.602	209.585	209.553
162.5	207.222	207.271	207.320	207.263	207.206	207.247	207.287	207.303	207.320	207.238
165.0	204.858	204.956	205.054	204.908	204.761	204.859	204.956	205.005	205.054	204.924
167.5	202.854	202.903	202.952	202.870	202.789	202.870	202.951	202.951	202.952	202.780
170.0	200.849	200.849	200.849	200.833	200.816	200.881	200.946	200.898	200.849	200.637
172.5	198.877	198.836	198.795	198.836	198.877	198.893	198.909	198.884	198.860	198.754
175.0	196.904	196.823	196.741	196.839	196.937	196.904	196.871	196.871	196.871	196.871
177.5	199.268	199.227	199.186	199.235	199.284	199.268	199.251	199.251	199.251	199.251
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Angles **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	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598	201.598
2.5	199.268	199.251	199.235	199.235	199.235	199.235	199.235	199.227	199.219	199.251
5.0	196.937	196.904	196.871	196.871	196.871	196.871	196.871	196.855	196.839	196.904
7.5	198.877	198.868	198.860	198.852	198.844	198.835	198.827	198.844	198.860	198.868

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CANDELA TABULATION - (Cont.)

10.0	200.816	200.833	200.849	200.833	200.816	200.800	200.783	200.832	200.881	200.832
12.5	202.789	202.854	202.919	202.903	202.886	202.821	202.756	202.788	202.821	202.837
15.0	204.761	204.875	204.989	204.973	204.956	204.842	204.728	204.745	204.761	204.843
17.5	207.222	207.214	207.206	207.206	207.206	207.222	207.238	207.189	207.141	207.181
20.0	209.683	209.553	209.422	209.439	209.455	209.602	209.748	209.634	209.520	209.520
22.5	213.432	213.106	212.780	213.008	213.237	213.294	213.351	213.098	212.846	212.870
25.0	217.181	216.660	216.138	216.578	217.018	216.986	216.953	216.562	216.171	216.220
27.5	219.431	219.235	219.040	219.137	219.235	219.227	219.219	219.137	219.056	218.958
30.0	221.680	221.811	221.941	221.697	221.452	221.468	221.484	221.713	221.941	221.697
32.5	223.180	223.163	223.147	223.090	223.033	223.025	223.017	223.163	223.310	223.139
35.0	224.679	224.516	224.353	224.484	224.614	224.582	224.549	224.614	224.679	224.582
37.5	228.820	228.681	228.542	228.656	228.771	228.681	228.592	228.681	228.771	228.681
40.0	232.960	232.846	232.731	232.829	232.927	232.781	232.634	232.748	232.862	232.781
42.5	237.198	237.345	237.491	237.548	237.605	237.532	237.459	237.548	237.638	237.581
45.0	241.436	241.844	242.251	242.267	242.283	242.283	242.283	242.349	242.414	242.381
47.5	250.776	250.955	251.135	251.167	251.199	251.167	251.134	251.199	251.265	251.232
50.0	260.115	260.067	260.018	260.067	260.115	260.050	259.985	260.050	260.115	260.083
52.5	262.935	262.870	262.805	262.846	262.886	262.886	262.887	262.886	262.886	262.894
55.0	265.755	265.674	265.592	265.625	265.657	265.723	265.788	265.723	265.657	265.706
57.5	271.574	271.533	271.493	271.485	271.477	271.460	271.444	271.452	271.460	271.509
60.0	277.393	277.393	277.393	277.345	277.296	277.198	277.100	277.182	277.263	277.312
62.5	281.501	281.525	281.550	281.501	281.453	281.395	281.338	281.346	281.355	281.428
65.0	285.609	285.658	285.706	285.658	285.609	285.593	285.576	285.511	285.446	285.544
67.5	289.260	289.545	289.830	289.545	289.260	289.537	289.814	289.733	289.651	289.716
70.0	292.911	293.433	293.954	293.433	292.911	293.482	294.052	293.954	293.856	293.889
72.5	294.297	294.639	294.981	294.411	293.840	294.199	294.558	294.435	294.313	294.403
75.0	295.682	295.845	296.008	295.389	294.769	294.916	295.063	294.916	294.769	294.916
77.5	293.417	293.539	293.661	293.319	292.976	293.090	293.205	293.099	292.993	293.058
80.0	291.151	291.233	291.314	291.249	291.183	291.265	291.346	291.281	291.216	291.200
82.5	292.113	292.047	291.982	292.112	292.243	292.072	291.901	291.860	291.819	291.835
85.0	293.074	292.862	292.650	292.976	293.302	292.879	292.455	292.439	292.422	292.471
87.5	292.227	292.080	291.933	292.072	292.210	292.007	291.803	291.787	291.770	291.786
90.0	291.379	291.298	291.216	291.167	291.118	291.135	291.151	291.135	291.118	291.102
92.5	292.015	291.966	291.917	291.909	291.901	291.893	291.885	291.901	291.917	291.908
95.0	292.650	292.634	292.618	292.651	292.683	292.651	292.618	292.667	292.715	292.715
97.5	291.982	292.015	292.048	291.982	291.917	292.007	292.096	292.080	292.063	292.022
100.0	291.314	291.396	291.477	291.314	291.151	291.363	291.574	291.493	291.411	291.330
102.5	293.172	293.148	293.123	293.074	293.026	293.131	293.237	293.164	293.090	293.106
105.0	295.030	294.900	294.769	294.835	294.900	294.900	294.900	294.835	294.769	294.883
107.5	293.661	293.612	293.563	293.555	293.547	293.612	293.678	294.044	294.411	294.451
110.0	292.292	292.325	292.357	292.276	292.194	292.325	292.455	293.254	294.052	294.020
112.5	288.902	288.967	289.032	288.967	288.902	288.861	288.820	289.350	289.879	289.814
115.0	285.511	285.609	285.706	285.658	285.609	285.397	285.185	285.446	285.706	285.609
117.5	281.469	281.501	281.534	281.509	281.485	281.379	281.273	281.346	281.420	281.379
120.0	277.426	277.394	277.361	277.361	277.361	277.361	277.361	277.247	277.133	277.149
122.5	271.656	271.591	271.526	271.517	271.509	271.566	271.624	271.550	271.477	271.485
125.0	265.886	265.788	265.690	265.674	265.657	265.772	265.886	265.853	265.820	265.820
127.5	262.887	262.838	262.789	262.829	262.870	262.878	262.887	262.870	262.854	262.894
130.0	259.887	259.887	259.887	259.985	260.083	259.985	259.887	259.887	259.887	259.969
132.5	251.167	251.150	251.134	251.159	251.183	251.159	251.134	251.093	251.053	251.085
135.0	242.446	242.414	242.381	242.332	242.283	242.332	242.381	242.300	242.218	242.202
137.5	237.654	237.622	237.589	237.532	237.475	237.507	237.540	237.532	237.524	237.475
140.0	232.862	232.830	232.797	232.732	232.666	232.683	232.699	232.764	232.829	232.748
142.5	228.673	228.698	228.722	228.657	228.591	228.583	228.575	228.616	228.657	228.665
145.0	224.484	224.566	224.647	224.582	224.516	224.484	224.451	224.468	224.484	224.582
147.5	223.033	223.066	223.099	223.074	223.049	223.017	222.984	223.033	223.082	223.082

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

150.0	221.582	221.566	221.550	221.566	221.582	221.550	221.517	221.599	221.680	221.582
152.5	218.942	218.885	218.828	218.885	218.942	218.934	218.926	218.917	218.909	218.860
155.0	216.301	216.203	216.105	216.203	216.301	216.318	216.334	216.236	216.138	216.138
157.5	212.911	212.837	212.764	212.837	212.911	212.943	212.976	212.943	212.911	212.878
160.0	209.520	209.471	209.422	209.471	209.520	209.569	209.618	209.651	209.683	209.618
162.5	207.157	207.197	207.238	207.246	207.255	207.255	207.255	207.295	207.336	207.255
165.0	204.793	204.924	205.054	205.022	204.989	204.940	204.891	204.940	204.989	204.891
167.5	202.609	202.764	202.919	202.919	202.919	202.895	202.870	202.895	202.919	202.837
170.0	200.425	200.604	200.783	200.816	200.849	200.849	200.849	200.849	200.849	200.784
172.5	198.648	198.738	198.827	198.819	198.812	198.852	198.893	198.844	198.795	198.787
175.0	196.871	196.871	196.871	196.823	196.774	196.856	196.937	196.839	196.741	196.790
177.5	199.251	199.251	199.251	199.227	199.203	199.243	199.284	199.235	199.186	199.211
180.0	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000	201.000

Vert. Angles **Horizontal Angles**

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	201.598	201.598	201.598	201.598	201.598
2.5	199.284	199.235	199.186	199.227	199.268
5.0	196.969	196.872	196.774	196.856	196.937
7.5	198.876	198.844	198.812	198.885	198.958
10.0	200.783	200.816	200.849	200.914	200.979
12.5	202.854	202.886	202.919	202.927	202.935
15.0	204.924	204.957	204.989	204.940	204.891
17.5	207.222	207.287	207.353	207.328	207.304
20.0	209.520	209.618	209.716	209.716	209.716
22.5	212.894	212.927	212.960	212.911	212.862
25.0	216.268	216.236	216.203	216.106	216.008
27.5	218.860	218.828	218.795	218.811	218.828
30.0	221.452	221.420	221.387	221.517	221.647
32.5	222.968	222.960	222.952	223.000	223.049
35.0	224.484	224.500	224.516	224.484	224.451
37.5	228.592	228.600	228.608	228.608	228.608
40.0	232.699	232.699	232.699	232.732	232.764
42.5	237.524	237.540	237.557	237.548	237.540
45.0	242.348	242.381	242.414	242.365	242.316
47.5	251.199	251.191	251.183	251.167	251.151
50.0	260.050	260.001	259.952	259.969	259.985
52.5	262.903	262.894	262.886	262.878	262.870
55.0	265.755	265.788	265.820	265.788	265.755
57.5	271.558	271.534	271.509	271.477	271.444
60.0	277.361	277.280	277.198	277.166	277.133
62.5	281.501	281.444	281.387	281.387	281.387
65.0	285.641	285.609	285.576	285.609	285.641
67.5	289.782	289.757	289.733	289.513	289.293
70.0	293.922	293.906	293.889	293.417	292.944
72.5	294.493	294.435	294.378	294.142	293.906
75.0	295.063	294.965	294.867	294.867	294.867
77.5	293.123	293.099	293.074	293.082	293.091
80.0	291.183	291.232	291.281	291.298	291.314
82.5	291.852	291.868	291.884	291.884	291.885
85.0	292.520	292.504	292.487	292.471	292.455
87.5	291.803	291.811	291.819	291.835	291.852
90.0	291.085	291.118	291.151	291.200	291.248
92.5	291.900	291.860	291.819	291.843	291.868
95.0	292.715	292.601	292.487	292.487	292.487

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

97.5	291.982	291.949	291.917	291.892	291.868
100.0	291.248	291.297	291.346	291.297	291.248
102.5	293.123	293.131	293.139	293.139	293.139
105.0	294.997	294.965	294.932	294.981	295.030
107.5	294.492	294.435	294.378	294.451	294.525
110.0	293.987	293.906	293.824	293.922	294.019
112.5	289.749	289.725	289.700	289.765	289.830
115.0	285.511	285.544	285.576	285.609	285.641
117.5	281.338	281.354	281.371	281.420	281.469
120.0	277.165	277.165	277.165	277.231	277.296
122.5	271.493	271.485	271.477	271.509	271.542
125.0	265.820	265.804	265.788	265.788	265.788
127.5	262.935	262.943	262.952	262.927	262.903
130.0	260.050	260.083	260.115	260.067	260.018
132.5	251.118	251.158	251.199	251.183	251.167
135.0	242.185	242.234	242.283	242.300	242.316
137.5	237.426	237.524	237.622	237.565	237.508
140.0	232.666	232.813	232.960	232.830	232.699
142.5	228.673	228.697	228.722	228.681	228.640
145.0	224.679	224.582	224.484	224.533	224.581
147.5	223.082	223.147	223.213	223.188	223.163
150.0	221.484	221.713	221.941	221.843	221.745
152.5	218.811	218.893	218.975	218.983	218.991
155.0	216.138	216.073	216.008	216.122	216.236
157.5	212.846	212.821	212.797	212.878	212.960
160.0	209.553	209.569	209.585	209.634	209.683
162.5	207.173	207.230	207.287	207.279	207.271
165.0	204.793	204.891	204.989	204.924	204.858
167.5	202.756	202.837	202.919	202.903	202.886
170.0	200.718	200.784	200.849	200.882	200.914
172.5	198.779	198.836	198.893	198.877	198.860
175.0	196.839	196.888	196.937	196.872	196.806
177.5	199.235	199.260	199.284	199.251	199.219
180.0	201.000	201.000	201.000	201.000	201.000

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	77.24	2.40	2.30
0-30	177.46	5.40	5.30
0-40	319.51	9.80	9.60
0-60	748.94	23.00	22.50
0-80	1343.35	41.20	40.40
0-90	1662.16	51.00	50.00
10-90	1643.17	50.40	49.40
20-40	242.27	7.40	7.30
20-50	431.79	13.20	13.00
40-70	712.86	21.90	21.50
60-80	594.41	18.20	17.90
70-80	310.98	9.50	9.40
80-90	318.81	9.80	9.60
90-110	629.01	19.30	18.90
90-120	912.21	28.00	27.50
90-130	1152.13	35.30	34.70
90-150	1483.67	45.50	44.60
90-180	1660.99	51.00	50.00
110-180	1031.99	31.70	31.10
0-180	3323.15	101.90	100.00

Total Luminaire Efficiency = 101.90%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	18.99
10-20	58.26
20-30	100.22
30-40	142.05
40-50	189.52
50-60	239.91
60-70	283.43
70-80	310.98
80-90	318.81
90-100	318.54
100-110	310.46
110-120	283.21
120-130	239.92
130-140	189.51
140-150	142.03
150-160	100.08
160-170	58.25
170-180	18.98

IES INDOOR REPORT
PHOTOMETRIC FILENAME : F45G42 - 3700K - 24 INCH.IES

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	109	109	109	109	101	101	101	101	85	85	85	71	71	71	57	57	57	51
1	95	88	82	77	87	81	76	71	67	63	60	54	52	49	43	41	39	33
2	84	74	66	59	77	68	61	55	56	51	46	45	41	37	35	32	29	24
3	76	64	55	47	69	58	50	44	48	42	36	38	33	29	30	26	23	18
4	69	56	46	39	62	51	42	36	42	35	30	33	28	24	26	22	18	14
5	63	49	39	32	57	45	36	30	37	30	25	29	24	20	23	18	15	12
6	57	43	34	27	52	40	31	25	33	26	21	26	21	17	20	16	13	10
7	53	39	30	24	48	36	28	22	29	23	18	24	18	15	18	14	11	8
8	49	35	26	20	45	32	24	19	27	20	16	22	16	13	17	13	10	7
9	45	32	24	18	41	29	22	17	24	18	14	20	15	11	15	11	9	6
10	42	29	21	16	39	27	20	15	22	16	12	18	13	10	14	10	8	5

IES INDOOR REPORT
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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	9.1	10.1	10.0	11.1	12.3	9.1	10.1	10.0	11.1	12.3
	3H	13.0	13.9	13.9	14.9	16.1	12.9	13.9	13.9	14.8	16.1
	4H	15.0	15.8	15.9	16.8	18.1	15.0	15.8	15.9	16.8	18.1
	6H	17.1	17.9	18.0	18.9	20.2	17.1	17.9	18.1	18.9	20.2
	8H	18.2	19.0	19.2	20.0	21.3	18.3	19.1	19.2	20.1	21.4
	12H	19.6	20.3	20.5	21.3	22.7	19.6	20.3	20.6	21.3	22.7

UGR Viewed Endwise

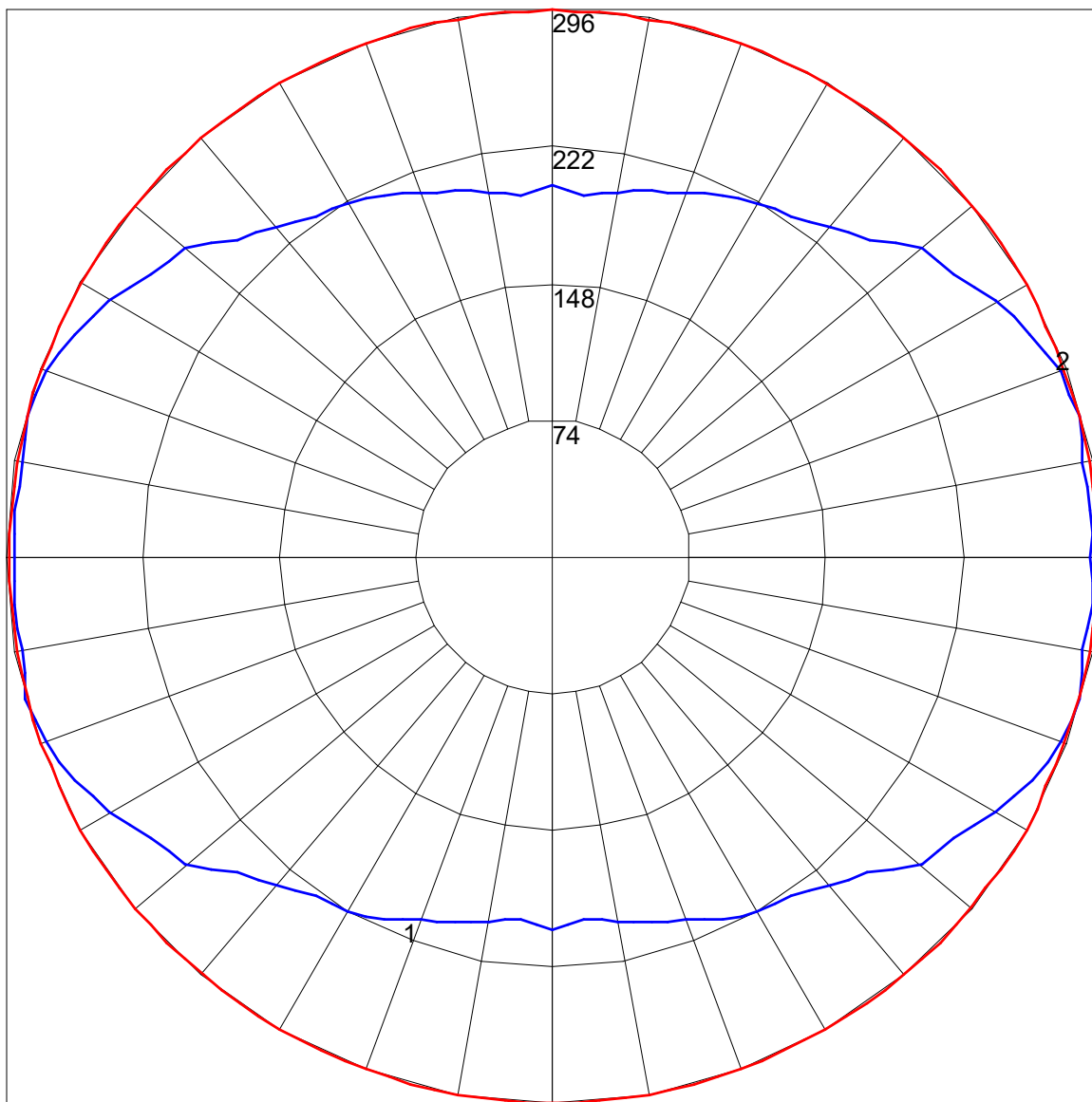
4H	2H	10.3	11.2	11.2	12.1	13.4	10.3	11.2	11.2	12.1	13.4
	3H	14.3	15.1	15.2	16.1	17.4	14.3	15.0	15.2	16.1	17.4
	4H	16.4	17.1	17.4	18.1	19.5	16.4	17.1	17.4	18.1	19.5
	6H	18.7	19.3	19.7	20.4	21.7	18.7	19.4	19.7	20.4	21.7
	8H	20.0	20.6	20.9	21.6	22.9	20.0	20.6	20.9	21.6	22.9
	12H	21.4	22.0	22.4	23.0	24.3	21.4	22.0	22.4	23.0	24.3

8H	4H	17.3	17.9	18.2	18.9	20.2	17.3	17.9	18.2	18.9	20.2
	6H	19.8	20.3	20.8	21.4	22.7	19.8	20.3	20.8	21.4	22.7
	8H	21.2	21.7	22.3	22.7	24.1	21.3	21.7	22.3	22.8	24.1
	12H	22.9	23.3	23.9	24.4	25.7	22.9	23.3	23.9	24.4	25.8

12H	4H	17.5	18.1	18.5	19.1	20.4	17.5	18.1	18.5	19.1	20.4
	6H	20.2	20.6	21.2	21.7	23.0	20.2	20.6	21.2	21.7	23.0
	8H	21.7	22.1	22.7	23.2	24.6	21.7	22.1	22.7	23.2	24.6

Maximum UGR = 25.8

POLAR GRAPH



Maximum Candela = 296.008 Located At Horizontal Angle = 215, Vertical Angle = 75
1 - Vertical Plane Through Horizontal Angles (215 - 35) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (75) (Through Max. Cd.)