



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL96H-40.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] 11890707-05P3  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] 6/17/2022  
 [MANUFAC] Lamar LED  
 [LUMCAT] TCCL96H-40  
 [LUMINAIRE] White formed steel housing, frosted plastic lens enclosure  
 [LAMP] 112 white LEDs  
 [BALLAST] One Espen VPL50-xxx-MVHDA-PD-2C driver  
 [OTHER] 25.6 C, 120.074 V, 0.8534A, 102.4 W, 0.995853 PF, 59.9981  
 [MORE] Hz  
 [OTHER] This test was performed using the calibrated photodetector met  
 [MORE] hod of absolute photometry.  
 [\_CONVERT] Luminaire test position and photometric web converted from original test data

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11734
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	102.4
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	2.06
Spacing Criterion (90-270)	1.34
Spacing Criterion (Diagonal)	1.50
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	7.63 ft
Luminous Width (90-270)	0.13 ft
Luminous Height	0.06 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	52680	33288	18907
55	65389	35537	18539
65	82581	38285	18331
75	119927	42286	18334
85	290241	48781	19174

CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2396.335	2396.163	2395.991	2395.819	2395.649	2395.481	2395.315	2389.559	2387.710	2385.648
<b>5.0</b>	2510.104	2509.570	2509.038	2508.510	2507.984	2501.699	2498.678	2495.231	2491.368	2487.098
<b>7.5</b>	2620.502	2619.349	2618.197	2617.053	2610.028	2605.655	2600.621	2594.947	2589.575	2582.071
<b>10.0</b>	2723.739	2721.770	2719.808	2713.832	2708.808	2702.960	2696.318	2691.332	2680.086	2670.703
<b>12.5</b>	2823.603	2820.530	2817.471	2809.098	2802.008	2793.861	2786.665	2774.278	2763.002	2751.090
<b>15.0</b>	2915.042	2910.561	2906.105	2895.486	2886.423	2876.203	2864.723	2852.197	2838.390	2825.738
<b>17.5</b>	3000.157	2993.851	2984.352	2974.209	2962.709	2949.862	2935.753	2920.332	2905.397	2886.481
<b>20.0</b>	3078.954	3070.363	3058.137	3045.229	3030.848	3014.830	3000.361	2979.416	2959.818	2939.345
<b>22.5</b>	3150.587	3139.369	3123.768	3107.492	3089.946	3071.364	3050.975	3029.057	3006.336	2982.974
<b>25.0</b>	3214.214	3200.128	3181.701	3162.503	3141.418	3118.764	3095.000	3070.243	3043.922	3022.539
<b>27.5</b>	3268.571	3251.653	3230.390	3208.817	3183.656	3157.247	3130.584	3105.829	3085.523	3064.265
<b>30.0</b>	3315.343	3295.072	3269.949	3244.179	3216.423	3187.391	3166.444	3145.305	3122.173	3098.131
<b>32.5</b>	3357.059	3331.524	3300.988	3270.994	3239.729	3220.060	3200.316	3176.964	3152.535	3124.802
<b>35.0</b>	3390.348	3354.860	3318.324	3284.306	3262.121	3241.506	3219.088	3196.578	3171.272	3146.483
<b>37.5</b>	3417.314	3367.157	3318.614	3292.269	3270.328	3248.688	3230.736	3212.466	3194.116	3169.581
<b>40.0</b>	3433.327	3357.279	3312.648	3283.828	3269.893	3259.352	3244.695	3226.743	3205.451	3182.626
<b>42.5</b>	3442.596	3323.098	3294.492	3287.657	3277.722	3264.239	3249.965	3230.542	3209.109	3184.822
<b>45.0</b>	3429.248	3285.149	3282.436	3276.470	3268.295	3256.249	3242.016	3222.673	3202.322	3178.274
<b>47.5</b>	3436.698	3311.167	3287.257	3279.253	3266.620	3251.659	3234.325	3213.826	3191.545	3167.528
<b>50.0</b>	3421.107	3333.463	3288.072	3266.302	3255.949	3243.746	3225.738	3204.503	3180.321	3153.492
<b>52.5</b>	3398.775	3336.222	3287.379	3256.369	3234.735	3221.499	3205.433	3187.527	3160.714	3131.374
<b>55.0</b>	3363.801	3316.657	3268.359	3242.566	3214.885	3191.115	3174.013	3153.790	3129.738	3102.098
<b>57.5</b>	3319.136	3282.772	3245.255	3212.570	3186.591	3158.449	3136.770	3114.526	3089.564	3062.825
<b>60.0</b>	3268.149	3239.279	3206.252	3172.252	3148.564	3121.633	3094.952	3068.841	3045.257	3018.336
<b>62.5</b>	3212.950	3187.749	3158.331	3125.644	3101.006	3075.727	3048.860	3019.284	2994.970	2969.665
<b>65.0</b>	3148.480	3127.621	3102.154	3072.580	3047.550	3022.441	2996.604	2968.783	2939.683	2911.399
<b>67.5</b>	3078.112	3063.227	3037.842	3010.899	2982.387	2960.932	2936.802	2909.587	2879.156	2849.218
<b>70.0</b>	3000.578	2988.423	2966.208	2942.086	2913.900	2893.919	2868.699	2841.847	2811.855	2779.596
<b>72.5</b>	2919.676	2909.540	2889.598	2867.332	2840.431	2815.594	2794.083	2768.100	2739.789	2709.478
<b>75.0</b>	2836.245	2827.484	2808.548	2787.337	2761.422	2733.634	2715.510	2689.363	2663.204	2634.507
<b>77.5</b>	2748.598	2740.441	2722.465	2702.230	2677.107	2647.669	2627.572	2605.529	2580.372	2552.641
<b>80.0</b>	2655.898	2648.591	2630.941	2614.938	2589.287	2559.221	2536.337	2515.876	2492.040	2465.473
<b>82.5</b>	2555.612	2549.670	2534.190	2518.723	2493.373	2467.376	2439.690	2420.994	2398.620	2371.775
<b>85.0</b>	2454.061	2448.841	2433.942	2418.283	2395.123	2369.046	2342.389	2320.366	2297.448	2273.796
<b>87.5</b>	2347.033	2342.813	2328.446	2312.307	2290.417	2264.288	2234.078	2212.061	2190.175	2164.794
<b>90.0</b>	2230.313	2227.270	2214.013	2198.552	2178.181	2152.970	2123.814	2103.291	2079.047	2055.305
<b>92.5</b>	2107.273	2105.626	2093.876	2079.970	2061.289	2038.189	2010.822	1982.604	1964.152	1945.264
<b>95.0</b>	1982.126	1981.700	1971.228	1958.576	1941.518	1920.313	1894.714	1864.822	1847.300	1827.379
<b>97.5</b>	1855.715	1856.301	1847.216	1836.016	1820.575	1800.540	1776.108	1747.920	1726.701	1708.733
<b>100.0</b>	1725.933	1727.677	1719.681	1709.571	1695.204	1676.576	1653.816	1627.601	1603.157	1587.103
<b>102.5</b>	1589.830	1593.189	1587.191	1579.011	1566.084	1549.026	1532.585	1504.311	1477.712	1464.788
<b>105.0</b>	1451.199	1456.105	1451.517	1444.973	1434.519	1423.628	1403.439	1383.686	1355.776	1341.167
<b>107.5</b>	1310.883	1317.577	1315.063	1310.599	1302.228	1291.699	1274.439	1256.102	1238.695	1217.125
<b>110.0</b>	1168.040	1176.727	1176.553	1174.515	1168.487	1158.753	1146.019	1130.272	1111.833	1092.837
<b>112.5</b>	1022.245	1033.246	1035.511	1036.011	1032.766	1025.994	1016.229	1003.834	988.815	973.974
<b>115.0</b>	876.029	889.393	894.413	897.700	902.358	893.559	887.075	878.370	867.414	854.556
<b>117.5</b>	730.657	746.459	754.279	760.505	767.170	763.196	760.707	756.172	749.748	742.231
<b>120.0</b>	587.390	605.897	616.996	626.684	635.955	637.529	639.168	638.930	637.541	635.195
<b>122.5</b>	447.073	468.666	483.239	496.515	508.541	515.272	521.472	525.743	527.928	528.476
<b>125.0</b>	313.121	337.219	354.931	371.339	385.566	396.463	405.730	415.480	419.843	425.039
<b>127.5</b>	191.723	217.044	237.087	255.939	272.361	286.768	299.110	309.664	318.801	326.415
<b>130.0</b>	91.775	117.048	138.271	158.460	176.602	193.156	209.692	221.249	232.919	242.699
<b>132.5</b>	21.827	45.291	66.473	86.796	105.544	123.120	139.302	153.478	166.379	177.290

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**CANDELA TABULATION - (Cont.)**

135.0	0.000	18.666	36.881	54.471	71.048	86.245	99.736	111.292	120.719	127.830
137.5	0.000	13.182	25.987	38.273	49.713	60.044	69.000	76.430	82.004	86.736
140.0	0.000	8.517	17.028	24.488	31.545	37.633	42.506	46.022	48.943	48.112
142.5	0.000	4.398	8.791	12.206	15.255	18.118	18.574	18.442	16.888	13.659
145.0	0.000	0.658	1.314	1.382	1.234	0.856	0.400	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. 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	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2383.383	2380.916	2378.255	2375.404	2372.371	2370.903	2365.637	2362.000	2358.206	2354.261
5.0	2482.963	2477.407	2472.011	2466.267	2460.185	2453.639	2446.751	2439.562	2435.801	2424.229
7.5	2574.888	2567.168	2558.747	2549.776	2542.203	2530.387	2520.042	2509.292	2498.158	2486.544
10.0	2660.538	2649.654	2638.104	2625.904	2613.389	2600.515	2586.468	2571.989	2557.302	2541.709
12.5	2738.396	2724.663	2710.022	2694.339	2678.854	2662.322	2644.834	2629.333	2608.306	2589.175
15.0	2808.132	2791.568	2773.942	2755.240	2739.408	2719.048	2698.753	2673.326	2651.765	2629.043
17.5	2867.882	2848.544	2828.341	2807.038	2784.618	2762.856	2737.294	2712.525	2687.419	2661.466
20.0	2918.219	2896.112	2875.145	2848.780	2824.928	2806.083	2779.498	2757.273	2729.067	2702.658
22.5	2959.113	2935.109	2914.966	2893.399	2870.005	2845.723	2820.212	2793.589	2765.531	2736.179
25.0	3001.622	2981.543	2957.103	2932.748	2907.826	2881.001	2855.358	2825.870	2795.976	2765.283
27.5	3041.321	3017.841	2991.951	2966.254	2939.087	2912.377	2879.228	2848.280	2816.387	2784.510
30.0	3072.756	3046.663	3019.358	2991.286	2964.447	2931.182	2899.111	2865.872	2832.006	2797.300
32.5	3096.768	3069.069	3039.425	3012.097	2982.031	2950.580	2918.217	2882.807	2846.983	2810.085
35.0	3120.747	3092.965	3063.519	3033.009	3001.068	2968.206	2933.531	2897.788	2857.623	2818.449
37.5	3142.900	3113.388	3082.099	3048.514	3014.614	2980.177	2944.446	2905.525	2865.105	2824.429
40.0	3157.395	3127.473	3094.558	3058.369	3022.509	2986.915	2948.396	2906.862	2863.619	2820.350
42.5	3159.134	3130.414	3094.654	3057.473	3020.212	2982.994	2944.152	2901.292	2857.427	2813.136
45.0	3152.489	3121.535	3087.887	3048.824	3011.535	2971.814	2930.896	2886.665	2842.244	2799.041
47.5	3139.751	3108.216	3072.488	3035.215	2996.018	2956.320	2913.364	2868.040	2822.391	2776.383
50.0	3122.961	3088.524	3054.118	3015.517	2978.272	2935.263	2890.526	2845.305	2799.001	2752.363
52.5	3098.913	3064.439	3028.309	2989.778	2950.200	2908.040	2864.619	2818.649	2772.352	2724.655
55.0	3069.611	3035.101	2998.315	2957.935	2917.021	2873.448	2829.419	2785.852	2741.487	2692.320
57.5	3033.971	3000.698	2961.510	2921.234	2877.606	2834.009	2790.280	2745.907	2700.167	2652.391
60.0	2989.184	2955.692	2919.488	2878.012	2834.163	2790.956	2746.725	2701.854	2654.485	2604.332
62.5	2937.672	2903.825	2868.342	2828.245	2786.981	2743.156	2699.445	2653.021	2603.774	2552.027
65.0	2879.330	2844.646	2808.756	2772.198	2734.157	2692.394	2647.281	2600.105	2548.349	2494.715
67.5	2816.103	2782.189	2747.831	2711.337	2673.722	2634.435	2591.828	2540.319	2487.727	2433.562
70.0	2748.826	2716.447	2682.731	2646.351	2608.346	2568.010	2524.669	2476.261	2423.507	2368.972
72.5	2678.650	2646.063	2612.129	2575.871	2540.297	2495.407	2450.990	2405.332	2355.864	2304.036
75.0	2602.614	2570.381	2536.517	2499.397	2461.370	2418.687	2375.074	2327.258	2281.630	2232.179
77.5	2522.188	2491.596	2454.675	2416.422	2378.453	2333.902	2290.055	2247.203	2201.017	2155.181
80.0	2438.152	2401.869	2365.921	2327.298	2287.516	2247.145	2203.560	2159.949	2116.954	2071.022

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<b>82.5</b>	2341.761	2307.723	2271.195	2233.770	2194.839	2157.578	2113.577	2071.094	2028.250	1985.521
<b>85.0</b>	2244.228	2208.593	2173.255	2136.761	2099.064	2060.357	2022.434	1979.501	1937.181	1894.774
<b>87.5</b>	2136.677	2105.450	2072.859	2036.421	1999.806	1963.224	1924.645	1885.705	1844.445	1803.895
<b>90.0</b>	2028.814	1999.344	1967.527	1934.498	1899.202	1863.434	1826.409	1791.573	1750.227	1712.902
<b>92.5</b>	1917.668	1891.011	1861.251	1829.590	1796.129	1762.015	1726.327	1691.195	1658.210	1620.757
<b>95.0</b>	1804.516	1779.105	1751.357	1721.089	1689.900	1657.870	1626.679	1594.376	1561.975	1529.088
<b>97.5</b>	1688.042	1665.274	1639.021	1614.193	1583.744	1555.649	1531.082	1497.775	1467.263	1439.173
<b>100.0</b>	1568.679	1547.764	1525.526	1501.776	1477.332	1455.106	1427.587	1401.732	1373.362	1343.488
<b>102.5</b>	1448.724	1431.126	1416.001	1395.636	1370.101	1348.798	1327.409	1306.066	1278.922	1250.188
<b>105.0</b>	1328.609	1313.800	1297.825	1280.769	1262.815	1244.348	1225.398	1206.065	1185.376	1156.200
<b>107.5</b>	1208.412	1196.160	1183.276	1169.177	1154.000	1138.102	1121.455	1104.359	1086.815	1063.187
<b>110.0</b>	1086.211	1077.890	1068.266	1056.532	1044.336	1031.234	1017.749	1002.960	987.735	972.102
<b>112.5</b>	964.921	960.486	953.215	945.024	936.287	926.342	915.374	903.410	890.146	875.293
<b>115.0</b>	846.621	845.196	842.041	838.252	831.658	824.611	815.758	804.715	793.243	780.470
<b>117.5</b>	735.137	736.451	736.525	734.535	730.427	723.711	716.114	707.139	697.554	687.022
<b>120.0</b>	632.084	635.881	633.266	631.521	628.386	623.845	618.487	612.121	604.944	598.498
<b>122.5</b>	527.840	527.940	529.775	530.377	529.917	528.016	528.236	523.965	515.600	508.696
<b>125.0</b>	425.929	427.924	432.031	435.397	439.034	438.165	436.943	434.620	431.549	426.916
<b>127.5</b>	333.444	337.443	342.569	349.099	351.138	353.609	356.226	354.725	352.564	348.785
<b>130.0</b>	250.684	256.960	259.967	267.321	273.257	276.814	279.017	279.569	280.946	277.077
<b>132.5</b>	185.639	190.523	191.887	195.061	201.237	205.676	208.201	209.083	207.831	204.796
<b>135.0</b>	132.427	134.366	133.544	129.460	134.810	138.903	141.262	142.769	139.652	135.890
<b>137.5</b>	87.966	85.895	82.162	75.852	71.392	74.351	75.652	75.448	77.594	82.970
<b>140.0</b>	46.256	41.978	35.622	26.211	14.845	14.481	25.725	37.373	45.730	51.111
<b>142.5</b>	9.041	3.941	0.650	0.000	0.000	0.000	9.517	17.814	23.094	25.213
<b>145.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.178	7.737	7.429
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.530	0.304
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles      Horizontal Angles**

	<u>50.0</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>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2350.176	2346.606	2341.493	2336.925	2332.244	2327.462	2322.588	2322.028	2313.393	2308.724
<b>5.0</b>	2416.162	2407.859	2399.340	2390.623	2381.600	2372.389	2366.443	2353.337	2343.587	2333.414
<b>7.5</b>	2474.668	2462.418	2452.631	2436.749	2423.357	2409.746	2395.957	2385.374	2367.488	2352.911
<b>10.0</b>	2525.724	2511.421	2492.758	2475.630	2458.347	2440.679	2424.953	2403.908	2385.358	2366.185
<b>12.5</b>	2569.605	2549.802	2528.883	2507.939	2486.424	2464.529	2442.765	2419.991	2398.648	2377.371
<b>15.0</b>	2605.757	2581.867	2558.141	2533.572	2508.068	2482.443	2456.450	2430.175	2403.030	2376.135
<b>17.5</b>	2637.410	2612.359	2585.880	2559.345	2531.944	2503.448	2474.202	2444.834	2413.991	2383.267
<b>20.0</b>	2674.856	2646.761	2619.956	2587.183	2556.686	2528.032	2491.916	2458.749	2424.133	2389.839
<b>22.5</b>	2706.221	2674.970	2644.530	2609.976	2575.675	2540.479	2504.366	2467.736	2429.375	2390.649
<b>25.0</b>	2733.729	2697.042	2662.440	2626.638	2589.407	2551.206	2511.805	2471.909	2430.189	2389.363
<b>27.5</b>	2748.760	2713.222	2676.601	2637.984	2598.110	2556.908	2517.287	2471.021	2425.998	2379.866

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**CANDELA TABULATION - (Cont.)**

30.0	2761.136	2724.095	2685.336	2644.474	2601.916	2557.813	2512.935	2465.555	2417.297	2370.459
32.5	2771.884	2732.624	2691.586	2648.467	2603.068	2555.958	2508.132	2457.504	2405.875	2353.067
35.0	2777.850	2736.403	2693.043	2647.923	2601.735	2550.252	2498.956	2445.602	2391.420	2336.081
37.5	2779.176	2735.869	2690.318	2642.699	2595.063	2542.457	2486.676	2430.001	2372.947	2315.092
40.0	2776.473	2733.190	2683.605	2633.336	2580.736	2526.040	2468.888	2410.938	2352.114	2292.308
42.5	2770.515	2722.171	2672.928	2619.956	2565.919	2507.873	2448.737	2388.957	2327.884	2267.185
45.0	2751.236	2703.696	2653.379	2600.487	2545.368	2487.453	2425.677	2363.890	2302.433	2239.612
47.5	2729.455	2679.910	2628.155	2571.985	2514.282	2457.852	2396.281	2336.721	2274.638	2210.084
50.0	2703.562	2651.823	2599.393	2539.998	2480.364	2420.160	2359.125	2301.205	2237.479	2175.810
52.5	2673.678	2619.782	2563.386	2503.922	2443.167	2381.080	2319.949	2257.700	2195.477	2131.569
55.0	2639.828	2584.196	2525.453	2464.725	2403.006	2340.320	2277.897	2214.385	2150.237	2087.526
57.5	2601.353	2545.750	2484.461	2424.223	2359.699	2298.382	2233.172	2169.804	2103.015	2037.553
60.0	2552.021	2497.236	2440.374	2377.339	2314.187	2250.924	2185.938	2120.561	2054.421	1989.159
62.5	2497.740	2441.665	2384.499	2327.384	2266.597	2202.389	2137.301	2070.908	2005.260	1939.852
65.0	2439.438	2382.711	2325.499	2268.122	2210.776	2152.842	2086.558	2022.050	1955.077	1891.683
67.5	2377.755	2323.214	2264.172	2208.936	2149.103	2094.258	2033.198	1969.420	1904.274	1838.735
70.0	2313.661	2257.126	2199.914	2142.463	2084.281	2026.341	1969.230	1913.585	1853.446	1786.731
72.5	2246.580	2190.161	2133.094	2075.256	2017.484	1960.479	1904.624	1848.823	1793.380	1732.603
75.0	2178.051	2120.455	2063.356	2006.124	1949.567	1893.814	1838.163	1782.782	1725.943	1669.988
77.5	2104.012	2048.779	1991.751	1936.070	1880.736	1825.585	1773.687	1714.165	1661.887	1602.329
80.0	2025.681	1973.873	1920.289	1864.988	1810.668	1756.213	1700.664	1648.574	1589.570	1537.721
82.5	1939.824	1896.723	1846.182	1794.158	1739.511	1685.057	1630.402	1575.271	1520.383	1465.368
85.0	1854.118	1811.526	1770.762	1720.075	1668.883	1613.226	1559.030	1504.859	1450.333	1395.900
87.5	1764.448	1727.075	1685.821	1645.803	1593.446	1543.358	1487.331	1433.551	1379.789	1326.637
90.0	1675.265	1637.679	1601.840	1560.344	1519.086	1467.479	1414.707	1361.843	1309.591	1256.953
92.5	1584.861	1548.644	1512.282	1477.212	1435.960	1393.453	1341.728	1290.280	1238.895	1189.010
95.0	1494.254	1459.562	1423.824	1388.182	1349.874	1311.851	1268.919	1218.880	1168.975	1119.122
97.5	1403.513	1369.767	1334.907	1299.645	1264.515	1226.895	1190.810	1148.324	1100.061	1050.402
100.0	1313.896	1279.116	1245.515	1211.553	1176.951	1143.762	1108.216	1073.050	1029.983	982.813
102.5	1220.062	1188.663	1156.645	1124.163	1091.602	1058.561	1026.100	991.720	957.221	913.456
105.0	1127.727	1099.753	1068.278	1037.664	1006.787	974.897	943.068	910.565	877.217	842.227
107.5	1036.418	1011.815	980.779	952.099	922.357	892.326	861.444	830.017	796.864	767.030
110.0	946.359	920.650	894.141	867.058	838.970	810.378	780.468	750.058	719.770	687.695
112.5	857.623	833.576	809.704	783.201	756.806	728.753	701.197	672.685	642.665	611.313
115.0	767.336	747.725	726.936	700.407	674.946	650.238	623.719	598.214	568.936	539.710
117.5	675.877	663.246	645.060	619.693	597.078	572.695	547.789	520.722	493.036	464.616
120.0	586.322	574.844	562.610	541.715	519.939	498.846	472.841	447.955	421.482	393.400
122.5	501.283	491.712	480.310	465.343	445.180	423.771	401.211	376.867	350.748	324.897
125.0	420.103	412.725	401.289	388.825	373.065	352.694	330.603	309.253	280.350	252.014
127.5	343.341	335.386	325.779	314.257	300.230	282.496	260.505	236.269	209.734	181.334
130.0	269.812	262.778	253.112	241.402	229.956	211.902	191.141	165.624	138.829	110.242
132.5	199.242	191.745	182.766	175.214	164.584	146.280	122.984	94.118	67.377	42.126
135.0	131.457	130.535	127.670	119.647	106.780	88.060	63.958	34.420	8.753	7.180
137.5	86.704	86.087	81.248	71.510	56.949	37.503	15.363	2.797	0.016	0.000
140.0	51.760	48.911	41.978	30.911	16.204	4.367	0.326	0.000	0.000	0.000
142.5	24.120	19.217	11.336	3.861	0.628	0.000	0.000	0.000	0.000	0.000
145.0	5.058	1.773	0.350	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.042	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u><b>75.0</b></u>	<u><b>77.5</b></u>	<u><b>80.0</b></u>	<u><b>82.5</b></u>	<u><b>85.0</b></u>	<u><b>87.5</b></u>	<u><b>90.0</b></u>	<u><b>92.5</b></u>	<u><b>95.0</b></u>	<u><b>97.5</b></u>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2304.006	2299.760	2293.959	2288.691	2283.409	2278.121	2275.480	2267.381	2262.010	2256.672
<b>5.0</b>	2323.142	2313.319	2303.790	2297.070	2283.487	2273.029	2262.440	2251.908	2241.573	2231.377
<b>7.5</b>	2339.858	2322.784	2308.069	2294.399	2278.283	2262.762	2247.289	2232.061	2216.844	2201.605
<b>10.0</b>	2346.911	2327.184	2307.385	2291.730	2268.118	2247.783	2227.752	2207.629	2187.636	2168.006
<b>12.5</b>	2350.062	2326.141	2301.869	2277.871	2252.981	2228.380	2203.592	2178.927	2154.955	2130.265
<b>15.0</b>	2351.446	2319.835	2291.688	2263.190	2233.638	2204.444	2175.224	2149.051	2117.522	2088.867
<b>17.5</b>	2351.082	2318.313	2285.746	2251.896	2217.961	2183.555	2154.363	2115.105	2081.468	2046.608
<b>20.0</b>	2353.409	2316.668	2281.402	2241.773	2203.384	2167.819	2126.988	2088.614	2050.111	2012.106
<b>22.5</b>	2350.882	2310.420	2271.399	2227.144	2185.748	2143.425	2101.307	2063.394	2016.932	1975.156
<b>25.0</b>	2347.799	2299.316	2254.737	2209.522	2163.942	2118.423	2072.643	2026.937	1984.289	1935.394
<b>27.5</b>	2332.770	2285.192	2236.663	2188.098	2140.842	2094.783	2041.518	1992.706	1943.513	1894.390
<b>30.0</b>	2317.583	2266.469	2215.546	2164.146	2112.102	2060.167	2008.335	1956.293	1904.023	1852.418
<b>32.5</b>	2300.049	2245.834	2192.812	2136.997	2082.400	2027.862	1973.261	1921.015	1863.226	1808.115
<b>35.0</b>	2279.746	2223.406	2166.353	2109.091	2054.745	1994.156	1936.543	1879.039	1823.702	1764.386
<b>37.5</b>	2257.182	2198.556	2140.254	2079.345	2019.485	1962.065	1899.222	1839.353	1779.789	1719.983
<b>40.0</b>	2232.343	2171.167	2109.658	2050.009	1985.247	1923.040	1860.991	1800.818	1737.265	1675.746
<b>42.5</b>	2204.748	2141.871	2078.179	2013.699	1949.759	1885.821	1825.001	1758.154	1694.364	1630.106
<b>45.0</b>	2175.590	2111.874	2046.940	1981.934	1916.218	1849.549	1782.348	1716.662	1650.359	1584.008
<b>47.5</b>	2144.133	2076.956	2009.914	1943.209	1876.184	1809.379	1742.150	1674.115	1606.006	1539.167
<b>50.0</b>	2111.052	2042.447	1974.724	1906.752	1838.769	1770.328	1700.884	1631.324	1562.637	1495.514
<b>52.5</b>	2067.241	2004.244	1938.885	1870.048	1800.700	1730.168	1659.636	1590.935	1522.943	1455.631
<b>55.0</b>	2020.715	1957.070	1897.105	1830.748	1761.479	1690.103	1621.007	1547.900	1478.742	1409.445
<b>57.5</b>	1972.999	1908.745	1847.950	1780.109	1715.915	1651.449	1577.838	1507.010	1436.250	1365.410
<b>60.0</b>	1924.210	1859.650	1794.280	1729.152	1663.317	1599.021	1535.722	1465.518	1394.672	1320.624
<b>62.5</b>	1874.733	1809.107	1743.293	1676.518	1614.591	1546.528	1482.616	1422.607	1349.880	1276.463
<b>65.0</b>	1824.094	1759.872	1690.457	1624.726	1558.584	1493.539	1428.909	1363.979	1300.015	1234.957
<b>67.5</b>	1772.511	1704.728	1637.937	1571.520	1505.548	1443.528	1374.195	1309.295	1244.438	1181.205
<b>70.0</b>	1720.887	1651.829	1587.484	1518.278	1454.124	1385.597	1320.134	1254.312	1190.026	1129.693
<b>72.5</b>	1665.566	1598.449	1531.354	1464.802	1397.807	1331.688	1265.426	1200.351	1136.500	1072.966
<b>75.0</b>	1611.488	1544.389	1477.492	1410.443	1344.076	1277.428	1211.811	1147.281	1083.019	1019.844
<b>77.5</b>	1546.792	1490.112	1423.125	1356.763	1289.958	1224.038	1159.047	1094.291	1030.259	966.420
<b>80.0</b>	1478.995	1424.018	1369.381	1302.656	1236.668	1171.446	1106.413	1041.737	977.281	913.061
<b>82.5</b>	1410.525	1356.653	1302.662	1249.492	1184.120	1119.024	1053.938	989.083	924.099	859.407
<b>85.0</b>	1342.262	1288.500	1235.607	1183.564	1131.826	1066.516	1001.476	935.975	870.693	807.607
<b>87.5</b>	1273.378	1220.814	1168.993	1117.349	1065.640	1014.124	948.331	882.667	819.115	755.554
<b>90.0</b>	1204.961	1153.606	1102.258	1050.852	999.483	947.319	894.991	831.178	767.758	702.184
<b>92.5</b>	1137.086	1086.289	1035.383	984.394	932.588	880.824	830.301	779.950	713.918	652.461
<b>95.0</b>	1071.351	1018.916	969.219	917.305	866.670	816.162	766.035	713.123	664.029	598.874
<b>97.5</b>	1001.140	954.674	901.153	852.543	801.609	752.145	699.577	650.658	598.212	550.568
<b>100.0</b>	933.340	883.821	835.071	786.330	738.294	685.738	637.327	585.632	537.777	484.361
<b>102.5</b>	866.073	817.813	770.021	720.900	671.291	624.045	572.881	525.037	472.795	423.851
<b>105.0</b>	799.053	752.923	704.394	655.928	610.828	559.657	512.355	461.151	411.600	358.836
<b>107.5</b>	731.221	686.498	639.356	592.802	545.670	499.748	449.115	399.420	348.301	295.475
<b>110.0</b>	654.381	619.637	576.539	530.641	487.220	436.397	387.466	337.491	285.539	232.277
<b>112.5</b>	579.014	546.442	513.345	469.148	422.736	375.308	326.081	275.192	222.806	167.959
<b>115.0</b>	506.311	473.960	440.228	404.722	363.396	313.763	264.118	215.341	159.026	103.147

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**CANDELA TABULATION - (Cont.)**

117.5	434.440	402.649	371.023	333.136	295.665	252.018	203.904	149.423	94.620	42.953
120.0	363.464	331.577	297.674	261.721	223.704	186.446	138.817	85.285	35.446	9.269
122.5	293.804	261.579	227.722	192.772	153.564	117.498	74.081	27.149	5.476	0.688
125.0	221.936	189.495	155.095	122.516	94.554	60.883	23.334	3.271	0.000	0.000
127.5	153.178	118.506	91.129	71.478	46.938	18.450	2.711	0.000	0.000	0.000
130.0	80.359	60.753	49.095	34.120	13.535	2.119	0.000	0.000	0.000	0.000
132.5	32.611	28.408	19.905	8.033	1.326	0.000	0.000	0.000	0.000	0.000
135.0	10.486	9.109	3.661	0.646	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.632	0.814	0.154	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>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	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2251.378	2250.726	2241.213	2236.239	2231.343	2226.642	2221.738	2217.048	2212.471	2208.019
5.0	2224.873	2211.054	2201.027	2191.265	2181.674	2176.662	2163.006	2153.967	2144.916	2136.071
7.5	2186.652	2175.340	2157.480	2142.905	2128.356	2114.275	2102.631	2086.618	2077.517	2060.659
10.0	2150.782	2128.780	2109.508	2090.301	2071.453	2053.637	2034.902	2017.068	2003.820	1982.564
12.5	2106.108	2081.948	2058.582	2034.974	2012.014	1989.249	1967.029	1945.396	1924.190	1905.800
15.0	2060.631	2032.213	2006.262	1981.740	1950.165	1923.672	1897.199	1871.230	1846.266	1821.475
17.5	2012.625	1983.255	1948.427	1917.150	1885.951	1855.337	1825.159	1795.210	1766.108	1737.693
20.0	1974.189	1936.238	1897.663	1860.589	1822.870	1785.635	1751.171	1717.352	1688.536	1652.230
22.5	1933.049	1891.631	1849.339	1807.669	1766.469	1724.974	1684.108	1643.901	1603.421	1566.538
25.0	1890.049	1844.417	1799.064	1756.513	1708.427	1663.704	1620.589	1574.733	1533.557	1486.927
27.5	1845.426	1796.431	1747.508	1701.969	1650.213	1601.732	1553.374	1507.452	1458.303	1410.937
30.0	1802.455	1751.998	1695.380	1648.092	1594.314	1539.803	1488.438	1436.826	1385.951	1336.776
32.5	1753.670	1701.142	1643.211	1588.316	1533.449	1478.238	1423.426	1369.759	1317.457	1264.437
35.0	1706.568	1651.699	1591.291	1533.411	1475.169	1417.924	1361.416	1305.857	1251.033	1196.284
37.5	1660.414	1600.198	1539.453	1478.730	1422.191	1360.808	1303.231	1245.827	1188.431	1130.814
40.0	1613.845	1551.217	1489.036	1427.821	1367.577	1308.024	1250.200	1188.147	1127.287	1066.744
42.5	1565.760	1502.957	1443.993	1380.785	1321.049	1257.835	1194.712	1131.290	1071.528	1005.799
45.0	1522.933	1455.671	1394.564	1336.158	1273.344	1208.490	1141.589	1076.431	1012.683	948.804
47.5	1473.799	1414.192	1347.900	1284.620	1224.386	1158.165	1094.493	1024.383	959.259	895.676
50.0	1430.214	1364.900	1299.199	1234.831	1168.154	1103.795	1040.795	975.233	909.208	847.595
52.5	1387.227	1317.709	1249.654	1182.423	1116.081	1052.675	987.749	926.164	861.472	798.324
55.0	1339.997	1270.161	1200.806	1132.506	1066.588	1000.323	936.617	876.609	812.939	751.004
57.5	1293.965	1222.993	1152.777	1084.314	1017.109	951.331	886.758	823.405	761.370	703.260
60.0	1248.320	1176.483	1106.363	1037.344	969.833	903.050	839.927	773.658	710.736	652.202
62.5	1203.134	1131.702	1062.592	994.331	925.632	857.352	789.473	724.663	660.755	600.651

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**CANDELA TABULATION - (Cont.)**

65.0	1159.490	1087.467	1016.519	946.519	877.383	809.356	742.177	676.845	614.780	553.449
67.5	1116.645	1046.681	972.694	901.884	832.106	762.680	696.372	631.850	568.382	507.015
70.0	1064.501	1001.450	929.107	860.740	786.530	718.855	651.934	586.432	523.086	461.910
72.5	1011.443	948.886	886.114	813.435	744.986	674.644	607.233	541.979	478.413	416.690
75.0	956.844	894.879	832.902	771.205	699.991	630.727	565.399	497.710	433.742	371.037
77.5	906.615	840.203	779.638	718.953	656.474	587.556	519.797	454.643	391.153	327.472
80.0	849.138	787.549	725.694	664.819	606.249	544.292	475.842	409.026	343.737	279.361
82.5	796.980	734.152	672.105	612.061	552.973	494.473	431.689	363.542	296.273	229.810
85.0	744.018	680.974	619.663	559.357	499.720	440.746	382.138	317.622	248.545	179.567
87.5	691.098	629.115	567.448	506.849	446.598	386.726	328.092	267.469	199.458	132.223
90.0	640.787	576.951	516.978	454.241	393.276	332.415	271.128	211.246	146.272	81.050
92.5	587.536	528.290	463.364	404.088	339.624	278.005	213.915	149.531	87.634	27.974
95.0	539.594	473.676	411.168	348.501	284.953	220.821	157.348	89.092	31.351	4.177
97.5	484.873	421.928	358.726	294.478	229.652	163.214	96.057	38.539	5.968	0.198
100.0	432.736	369.956	305.262	240.042	173.029	105.164	43.049	7.725	0.346	0.000
102.5	369.426	315.602	251.620	184.319	116.048	50.935	9.945	0.366	0.000	0.000
105.0	307.205	251.044	197.467	128.326	60.305	12.992	0.502	0.000	0.000	0.000
107.5	241.570	185.737	127.554	69.858	17.100	0.880	0.000	0.000	0.000	0.000
110.0	176.576	119.239	62.181	17.876	1.100	0.000	0.000	0.000	0.000	0.000
112.5	114.245	56.217	17.964	1.505	0.000	0.000	0.000	0.000	0.000	0.000
115.0	49.909	14.923	1.715	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	12.624	1.735	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	1.354	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Angles**

**Horizontal Angles**

	<u>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	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2203.694	2202.221	2195.565	2191.734	2188.060	2184.547	2181.204	2178.167	2178.211	2172.165
5.0	2127.732	2119.249	2111.292	2103.628	2096.069	2088.817	2081.904	2077.431	2069.502	2063.932
7.5	2048.173	2035.754	2027.774	2012.364	2002.433	1990.721	1980.574	1971.026	1962.055	1953.610
10.0	1966.137	1953.540	1934.780	1919.881	1905.580	1891.529	1878.031	1865.264	1853.156	1841.856



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CANDELA TABULATION - (Cont.)

12.5	1882.642	1862.857	1843.809	1828.444	1806.996	1789.462	1774.437	1756.741	1746.774	1727.205
15.0	1796.969	1773.319	1754.058	1728.214	1706.312	1685.489	1665.396	1645.805	1627.489	1614.665
17.5	1709.303	1682.218	1655.143	1629.500	1604.071	1579.525	1556.045	1533.563	1511.982	1491.351
20.0	1620.543	1589.374	1559.324	1529.706	1500.872	1473.733	1447.014	1421.985	1397.975	1379.142
22.5	1530.832	1496.404	1462.677	1430.722	1399.069	1369.211	1339.657	1310.901	1283.798	1258.309
25.0	1444.699	1403.687	1366.788	1331.300	1299.775	1263.761	1231.622	1200.724	1171.093	1142.728
27.5	1364.407	1318.542	1273.957	1233.691	1196.634	1160.972	1126.220	1091.976	1059.185	1027.531
30.0	1286.771	1238.408	1191.064	1147.699	1098.879	1060.286	1023.953	985.882	950.044	915.524
32.5	1212.964	1165.612	1111.163	1061.166	1011.919	966.624	923.037	883.861	845.684	809.028
35.0	1141.980	1092.103	1034.209	981.205	929.521	878.874	829.873	792.906	749.392	711.301
37.5	1073.200	1016.181	960.009	905.571	852.555	801.077	751.938	704.904	664.213	627.380
40.0	1006.859	948.376	893.201	836.147	782.677	734.365	681.530	634.616	584.747	540.442
42.5	944.752	885.708	828.285	774.616	718.045	664.071	613.403	558.749	509.780	461.577
45.0	887.427	827.870	768.956	710.794	656.460	597.762	543.225	493.088	440.272	393.308
47.5	833.086	771.331	710.438	650.884	592.458	536.343	482.076	429.731	382.504	331.145
50.0	780.226	717.045	655.039	595.057	536.759	480.430	426.151	376.356	324.353	277.711
52.5	729.749	665.929	603.590	544.770	486.546	429.278	375.318	325.023	276.570	230.427
55.0	681.931	617.303	557.356	493.684	436.731	382.198	329.668	282.126	232.475	187.352
57.5	635.367	570.959	508.389	449.435	392.368	338.129	286.440	237.445	190.317	146.858
60.0	589.661	527.124	465.089	405.926	351.000	295.965	244.341	194.932	147.914	101.985
62.5	541.727	483.951	422.240	365.989	307.389	253.228	201.401	151.432	106.620	70.822
65.0	494.325	437.367	380.164	320.929	264.364	209.565	161.619	120.955	87.014	58.148
67.5	448.091	390.591	337.637	277.333	221.702	171.384	129.084	92.850	62.993	39.023
70.0	402.229	344.123	287.370	231.889	178.401	131.339	91.453	59.630	32.003	14.691
72.5	356.856	296.995	239.108	184.017	127.696	83.174	44.883	18.312	4.630	0.460
75.0	310.760	248.985	189.165	129.838	71.138	27.585	6.406	0.248	0.000	0.000
77.5	263.716	199.516	137.315	76.832	28.952	1.014	0.000	0.000	0.000	0.000
80.0	214.611	148.849	87.644	43.165	17.414	3.669	0.000	0.000	0.000	0.000
82.5	163.768	102.543	56.967	27.335	8.783	1.286	0.016	0.000	0.000	0.000
85.0	117.632	68.831	31.421	8.567	1.176	0.000	0.000	0.000	0.000	0.000
87.5	75.442	31.339	6.700	0.214	0.000	0.000	0.000	0.000	0.000	0.000
90.0	29.592	5.034	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	3.857	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. 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	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2169.516	2167.063	2164.810	2162.760	2160.921	2159.291	2157.878	2156.684	2155.709	2154.955
5.0	2058.730	2053.905	2052.756	2045.056	2041.228	2037.825	2034.854	2032.321	2030.229	2028.586
7.5	1945.636	1938.187	1931.307	1925.007	1924.298	1914.323	1909.895	1906.088	1902.909	1900.364
10.0	1831.313	1822.700	1811.944	1803.235	1795.318	1788.224	1781.948	1776.504	1771.904	1768.159
12.5	1718.758	1700.698	1689.842	1677.794	1667.787	1659.690	1650.431	1643.185	1636.994	1631.873
15.0	1593.380	1577.632	1562.793	1553.178	1536.668	1525.352	1520.019	1506.294	1498.585	1492.109
17.5	1472.082	1454.218	1437.204	1421.341	1407.026	1394.024	1383.960	1371.628	1362.379	1354.524
20.0	1353.008	1332.364	1316.201	1295.082	1282.555	1263.235	1249.440	1237.174	1226.400	1217.141
22.5	1233.935	1215.617	1189.104	1168.595	1149.416	1131.890	1115.875	1101.262	1088.187	1076.811
25.0	1117.291	1089.298	1064.203	1040.553	1018.619	998.118	979.152	965.753	946.299	932.562
27.5	996.998	967.822	939.975	913.542	888.515	870.081	843.792	826.020	805.829	789.525
30.0	882.223	850.112	821.204	790.820	763.432	739.064	713.571	691.332	670.603	651.870
32.5	773.532	739.528	706.499	675.242	645.454	617.068	590.249	565.031	541.563	519.923
35.0	674.082	637.856	602.790	568.776	539.298	504.372	474.284	445.818	419.007	394.008
37.5	584.015	544.428	505.785	468.258	432.397	397.834	365.031	334.070	305.070	278.003
40.0	496.747	456.078	416.106	375.328	337.515	301.987	268.300	236.599	206.656	178.523
42.5	416.858	374.378	333.618	294.661	257.884	223.076	192.122	159.288	132.399	102.933
45.0	347.805	305.840	266.293	229.320	195.079	163.626	135.128	108.241	84.387	61.689
47.5	286.580	247.462	212.276	181.310	153.444	128.286	105.546	84.927	66.329	48.302
50.0	233.043	198.618	170.344	141.872	118.514	98.786	79.637	63.332	48.885	35.358
52.5	186.736	151.646	125.847	104.214	85.089	67.737	53.360	41.252	30.973	21.937
55.0	144.723	104.300	82.080	63.426	47.860	35.166	25.149	17.378	11.526	7.300
57.5	102.019	62.145	34.752	19.867	9.797	3.877	1.298	0.330	0.026	0.000
60.0	59.276	22.616	0.778	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	43.271	20.409	1.729	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	35.360	17.610	4.514	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	21.101	8.949	2.319	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	4.195	0.858	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>175.0</u>	<u>177.5</u>	<u>180.0</u>	<u>182.5</u>	<u>185.0</u>	<u>187.5</u>	<u>190.0</u>	<u>192.5</u>	<u>195.0</u>	<u>197.5</u>
0.0	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2154.427	2154.123	2154.045	2154.123	2154.427	2154.955	2155.709	2156.684	2157.878	2159.291
5.0	2027.392	2026.653	2026.371	2026.653	2027.392	2028.586	2030.229	2032.321	2034.854	2037.825
7.5	1898.460	1897.199	1896.589	1897.199	1898.460	1900.364	1902.909	1906.088	1909.895	1914.323
10.0	1765.282	1763.283	1762.171	1763.283	1765.282	1768.159	1771.904	1776.504	1781.948	1788.224
12.5	1627.845	1624.922	1623.118	1624.922	1627.845	1631.873	1636.994	1643.185	1650.431	1659.690
15.0	1486.889	1482.938	1480.275	1482.938	1486.889	1492.109	1498.585	1506.294	1520.019	1525.352
17.5	1348.084	1343.082	1339.537	1343.082	1348.084	1354.524	1362.379	1371.628	1383.960	1394.024
20.0	1209.433	1203.310	1198.799	1203.310	1209.433	1217.141	1226.400	1237.174	1249.440	1263.235
22.5	1067.190	1059.379	1053.427	1059.379	1067.190	1076.811	1088.187	1101.262	1115.875	1131.890
25.0	920.718	910.839	902.996	910.839	920.718	932.562	946.299	965.753	979.152	998.118
27.5	775.224	763.016	752.989	763.016	775.226	789.525	805.829	826.020	843.792	870.081
30.0	635.121	620.472	608.037	620.472	635.121	651.870	670.603	691.332	713.571	739.064
32.5	500.241	482.657	467.301	482.657	500.241	519.923	541.563	565.031	590.249	617.066
35.0	370.987	350.089	331.451	350.089	370.987	394.008	419.005	445.818	474.284	504.372
37.5	252.816	229.614	208.495	229.614	252.816	278.003	305.070	334.070	365.029	397.834
40.0	152.102	127.441	104.584	127.441	152.102	178.523	206.656	236.599	268.300	301.987
42.5	77.128	52.712	29.622	52.712	77.128	102.933	132.399	159.288	192.122	223.076
45.0	40.558	20.101	0.000	20.101	40.558	61.689	84.385	108.241	135.128	163.626

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

47.5	31.645	15.657	0.000	15.657	31.645	48.302	66.329	84.927	105.546	128.286
50.0	23.022	11.346	0.000	11.346	23.022	35.358	48.885	63.332	79.637	98.786
52.5	14.027	6.834	0.000	6.834	14.027	21.937	30.973	41.252	53.360	67.737
55.0	4.223	1.917	0.000	1.917	4.223	7.300	11.526	17.378	25.149	35.166
57.5	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.330	1.298	3.877
60.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
62.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
67.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
72.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : TCCL96H-40.IES

CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2160.921	2162.760	2164.810	2167.063	2169.516	2172.165	2178.211	2178.167	2181.204	2184.547
5.0	2041.228	2045.056	2052.756	2053.905	2058.730	2063.932	2069.502	2077.431	2081.904	2088.817
7.5	1924.298	1925.007	1931.307	1938.187	1945.636	1953.610	1962.055	1971.026	1980.574	1990.721
10.0	1795.318	1803.235	1811.944	1822.700	1831.313	1841.856	1853.156	1865.264	1878.031	1891.529
12.5	1667.787	1677.794	1689.842	1700.698	1718.758	1727.205	1746.774	1756.741	1774.437	1789.462
15.0	1536.668	1553.178	1562.793	1577.632	1593.380	1614.665	1627.489	1645.805	1665.396	1685.489
17.5	1407.026	1421.341	1437.204	1454.218	1472.082	1491.351	1511.982	1533.563	1556.045	1579.525
20.0	1282.555	1295.082	1316.201	1332.364	1353.008	1379.142	1397.975	1421.985	1447.014	1473.733
22.5	1149.416	1168.595	1189.104	1215.617	1233.935	1258.309	1283.798	1310.901	1339.657	1369.211
25.0	1018.619	1040.553	1064.203	1089.298	1117.291	1142.728	1171.093	1200.724	1231.622	1263.761
27.5	888.515	913.542	939.975	967.822	996.998	1027.531	1059.185	1091.976	1126.220	1160.972
30.0	763.432	790.820	821.204	850.112	882.223	915.522	950.044	985.882	1023.953	1060.286
32.5	645.454	675.242	706.499	739.528	773.532	809.026	845.684	883.861	923.037	966.624
35.0	539.298	568.776	602.790	637.856	674.082	711.299	749.392	792.906	829.873	878.874
37.5	432.397	468.258	505.785	544.428	584.015	627.380	664.213	704.904	751.938	801.077
40.0	337.515	375.328	416.106	456.078	496.747	540.442	584.747	634.616	681.530	734.365
42.5	257.884	294.661	333.618	374.378	416.858	461.577	509.780	558.749	613.403	664.069
45.0	195.079	229.320	266.293	305.840	347.805	393.308	440.272	493.088	543.225	597.762
47.5	153.444	181.308	212.276	247.462	286.580	331.145	382.504	429.731	482.076	536.343
50.0	118.514	141.872	170.344	198.618	233.043	277.711	324.353	376.356	426.151	480.430
52.5	85.089	104.214	125.847	151.646	186.736	230.427	276.570	325.023	375.318	429.278
55.0	47.860	63.426	82.080	104.300	144.723	187.352	232.475	282.126	329.668	382.198
57.5	9.797	19.867	34.752	62.145	102.019	146.858	190.317	237.445	286.440	338.129
60.0	0.000	0.000	0.778	22.616	59.276	101.985	147.912	194.932	244.341	295.965
62.5	0.000	0.000	1.729	20.409	43.269	70.822	106.620	151.432	201.401	253.228
65.0	0.000	0.000	4.512	17.610	35.360	58.148	87.014	120.955	161.619	209.565
67.5	0.000	0.000	2.319	8.949	21.101	39.023	62.993	92.850	129.084	171.384
70.0	0.000	0.000	0.030	0.858	4.195	14.691	32.003	59.630	91.453	131.339
72.5	0.000	0.000	0.000	0.000	0.000	0.460	4.630	18.312	44.883	83.174
75.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.248	6.406	27.585
77.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.014
80.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.669
82.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	1.286
85.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
87.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL96H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>137.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>142.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. 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>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2188.060	2191.734	2195.565	2202.221	2203.694	2208.019	2212.471	2217.048	2221.738	2226.642
<b>5.0</b>	2096.069	2103.628	2111.292	2119.249	2127.732	2136.071	2144.916	2153.967	2163.006	2176.662
<b>7.5</b>	2002.433	2012.364	2027.774	2035.754	2048.173	2060.659	2077.517	2086.618	2102.631	2114.275
<b>10.0</b>	1905.580	1919.881	1934.780	1953.540	1966.137	1982.564	2003.820	2017.068	2034.902	2053.637
<b>12.5</b>	1806.996	1828.444	1843.809	1862.857	1882.642	1905.800	1924.190	1945.396	1967.029	1989.249
<b>15.0</b>	1706.312	1728.214	1754.058	1773.319	1796.969	1821.475	1846.266	1871.230	1897.199	1923.672
<b>17.5</b>	1604.071	1629.500	1655.143	1682.218	1709.305	1737.693	1766.108	1795.210	1825.159	1855.337
<b>20.0</b>	1500.872	1529.706	1559.324	1589.374	1620.543	1652.230	1688.536	1717.352	1751.171	1785.635
<b>22.5</b>	1399.069	1430.722	1462.677	1496.404	1530.834	1566.538	1603.421	1643.901	1684.108	1724.974
<b>25.0</b>	1299.775	1331.300	1366.788	1403.687	1444.699	1486.927	1533.557	1574.733	1620.589	1663.704
<b>27.5</b>	1196.634	1233.691	1273.957	1318.542	1364.409	1410.937	1458.303	1507.452	1553.374	1601.730
<b>30.0</b>	1098.879	1147.699	1191.066	1238.408	1286.771	1336.776	1385.953	1436.826	1488.438	1539.803
<b>32.5</b>	1011.919	1061.166	1111.163	1165.612	1212.964	1264.437	1317.457	1369.759	1423.428	1478.238
<b>35.0</b>	929.521	981.205	1034.209	1092.103	1141.980	1196.284	1251.033	1305.857	1361.416	1417.922
<b>37.5</b>	852.555	905.571	960.009	1016.181	1073.200	1130.814	1188.431	1245.827	1303.231	1360.808
<b>40.0</b>	782.677	836.147	893.201	948.376	1006.859	1066.744	1127.287	1188.147	1250.200	1308.024
<b>42.5</b>	718.045	774.616	828.285	885.708	944.752	1005.799	1071.528	1131.290	1194.712	1257.835
<b>45.0</b>	656.460	710.794	768.956	827.870	887.427	948.804	1012.683	1076.431	1141.589	1208.490
<b>47.5</b>	592.458	650.884	710.438	771.331	833.086	895.676	959.259	1024.383	1094.493	1158.165
<b>50.0</b>	536.759	595.057	655.039	717.043	780.226	847.595	909.208	975.233	1040.795	1103.795
<b>52.5</b>	486.546	544.770	603.590	665.929	729.749	798.322	861.474	926.164	987.751	1052.675
<b>55.0</b>	436.731	493.684	557.356	617.303	681.931	751.004	812.939	876.609	936.617	1000.323
<b>57.5</b>	392.368	449.435	508.391	570.959	635.367	703.260	761.370	823.405	886.758	951.331
<b>60.0</b>	351.000	405.926	465.089	527.124	589.661	652.202	710.736	773.658	839.927	903.050
<b>62.5</b>	307.389	365.989	422.240	483.951	541.727	600.651	660.755	724.661	789.475	857.352
<b>65.0</b>	264.364	320.927	380.164	437.367	494.325	553.449	614.780	676.845	742.177	809.356
<b>67.5</b>	221.702	277.333	337.637	390.591	448.091	507.015	568.382	631.850	696.372	762.680
<b>70.0</b>	178.401	231.889	287.370	344.123	402.229	461.910	523.086	586.432	651.934	718.855
<b>72.5</b>	127.696	184.017	239.108	296.995	356.856	416.690	478.413	541.979	607.233	674.644
<b>75.0</b>	71.138	129.838	189.165	248.985	310.760	371.037	433.742	497.710	565.399	630.727
<b>77.5</b>	28.952	76.832	137.315	199.516	263.716	327.472	391.153	454.643	519.797	587.554

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL96H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>80.0</b>	17.414	43.165	87.644	148.849	214.611	279.361	343.737	409.026	475.842	544.290
<b>82.5</b>	8.783	27.335	56.967	102.543	163.768	229.810	296.273	363.542	431.689	494.473
<b>85.0</b>	1.176	8.567	31.421	68.831	117.632	179.567	248.545	317.622	382.138	440.746
<b>87.5</b>	0.000	0.214	6.700	31.339	75.442	132.223	199.458	267.469	328.092	386.726
<b>90.0</b>	0.000	0.000	0.000	5.034	29.592	81.050	146.272	211.246	271.128	332.415
<b>92.5</b>	0.000	0.000	0.000	0.000	3.857	27.974	87.634	149.531	213.915	278.005
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	4.177	31.351	89.092	157.348	220.821
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.198	5.968	38.539	96.057	163.214
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.346	7.725	43.051	105.164
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.366	9.947	50.935
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.502	12.992
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.880
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>135.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>137.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>140.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>142.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2231.343	2236.239	2241.213	2250.726	2251.378	2256.672	2262.010	2267.381	2275.480	2278.121
<b>5.0</b>	2181.674	2191.265	2201.027	2211.054	2224.873	2231.377	2241.573	2251.908	2262.440	2273.029
<b>7.5</b>	2128.356	2142.905	2157.480	2175.340	2186.652	2201.605	2216.844	2232.061	2247.289	2262.762
<b>10.0</b>	2071.453	2090.301	2109.508	2128.780	2150.782	2168.006	2187.636	2207.629	2227.752	2247.783
<b>12.5</b>	2012.014	2034.974	2058.584	2081.948	2106.108	2130.265	2154.955	2178.927	2203.592	2228.380
<b>15.0</b>	1950.165	1981.740	2006.262	2032.213	2060.631	2088.867	2117.522	2149.051	2175.224	2204.444
<b>17.5</b>	1885.951	1917.150	1948.427	1983.255	2012.625	2046.608	2081.468	2115.105	2154.363	2183.555
<b>20.0</b>	1822.870	1860.589	1897.663	1936.238	1974.189	2012.106	2050.111	2088.614	2126.988	2167.819
<b>22.5</b>	1766.469	1807.669	1849.339	1891.631	1933.049	1975.154	2016.932	2063.394	2101.307	2143.425
<b>25.0</b>	1708.427	1756.513	1799.064	1844.417	1890.049	1935.394	1984.289	2026.937	2072.643	2118.423

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**CANDELA TABULATION - (Cont.)**

27.5	1650.213	1701.969	1747.508	1796.431	1845.426	1894.390	1943.513	1992.706	2041.518	2094.783
30.0	1594.314	1648.092	1695.380	1751.998	1802.455	1852.418	1904.023	1956.293	2008.335	2060.167
32.5	1533.449	1588.316	1643.211	1701.142	1753.670	1808.113	1863.226	1921.015	1973.261	2027.862
35.0	1475.169	1533.411	1591.291	1651.699	1706.568	1764.386	1823.702	1879.037	1936.543	1994.154
37.5	1422.191	1478.730	1539.453	1600.198	1660.414	1719.983	1779.789	1839.353	1899.222	1962.065
40.0	1367.577	1427.821	1489.036	1551.215	1613.845	1675.746	1737.265	1800.818	1860.991	1923.040
42.5	1321.049	1380.785	1443.993	1502.957	1565.760	1630.106	1694.364	1758.154	1825.001	1885.821
45.0	1273.344	1336.158	1394.564	1455.671	1522.933	1584.008	1650.359	1716.662	1782.348	1849.549
47.5	1224.386	1284.620	1347.900	1414.192	1473.799	1539.167	1606.008	1674.115	1742.150	1809.377
50.0	1168.154	1234.831	1299.199	1364.900	1430.214	1495.514	1562.637	1631.324	1700.884	1770.326
52.5	1116.081	1182.421	1249.654	1317.707	1387.227	1455.631	1522.943	1590.935	1659.636	1730.168
55.0	1066.588	1132.506	1200.806	1270.161	1339.997	1409.443	1478.742	1547.900	1621.007	1690.103
57.5	1017.109	1084.314	1152.777	1222.993	1293.965	1365.408	1436.250	1507.008	1577.838	1651.449
60.0	969.833	1037.344	1106.363	1176.483	1248.320	1320.624	1394.670	1465.518	1535.722	1599.021
62.5	925.632	994.331	1062.592	1131.702	1203.134	1276.463	1349.880	1422.607	1482.616	1546.528
65.0	877.383	946.517	1016.519	1087.467	1159.490	1234.957	1300.015	1363.979	1428.909	1493.539
67.5	832.106	901.882	972.694	1046.681	1116.645	1181.203	1244.440	1309.295	1374.195	1443.528
70.0	786.530	860.740	929.107	1001.450	1064.501	1129.693	1190.026	1254.312	1320.134	1385.597
72.5	744.986	813.435	886.114	948.886	1011.443	1072.966	1136.500	1200.351	1265.426	1331.688
75.0	699.991	771.205	832.902	894.879	956.844	1019.844	1083.019	1147.279	1211.811	1277.426
77.5	656.474	718.953	779.638	840.203	906.615	966.420	1030.259	1094.289	1159.047	1224.038
80.0	606.249	664.819	725.694	787.549	849.138	913.061	977.281	1041.737	1106.413	1171.446
82.5	552.975	612.061	672.105	734.152	796.980	859.407	924.099	989.081	1053.938	1119.024
85.0	499.720	559.357	619.663	680.974	744.018	807.607	870.693	935.975	1001.476	1066.516
87.5	446.598	506.849	567.448	629.115	691.098	755.554	819.115	882.667	948.331	1014.124
90.0	393.276	454.241	516.978	576.951	640.787	702.184	767.758	831.178	894.991	947.319
92.5	339.624	404.088	463.364	528.290	587.538	652.461	713.918	779.950	830.299	880.824
95.0	284.951	348.501	411.168	473.676	539.594	598.874	664.027	713.123	766.035	816.162
97.5	229.652	294.478	358.726	421.928	484.873	550.568	598.212	650.658	699.577	752.145
100.0	173.029	240.042	305.262	369.956	432.736	484.361	537.777	585.630	637.327	685.738
102.5	116.048	184.319	251.620	315.602	369.426	423.851	472.795	525.037	572.881	624.045
105.0	60.305	128.326	197.467	251.044	307.205	358.836	411.600	461.151	512.355	559.657
107.5	17.100	69.858	127.554	185.737	241.570	295.473	348.301	399.420	449.115	499.748
110.0	1.100	17.876	62.179	119.239	176.576	232.277	285.539	337.491	387.466	436.397
112.5	0.000	1.505	17.964	56.217	114.245	167.959	222.806	275.192	326.081	375.308
115.0	0.000	0.000	1.715	14.923	49.909	103.145	159.026	215.341	264.120	313.763
117.5	0.000	0.000	0.000	1.735	12.624	42.953	94.620	149.423	203.904	252.018
120.0	0.000	0.000	0.000	0.000	1.354	9.269	35.446	85.285	138.817	186.446
122.5	0.000	0.000	0.000	0.000	0.000	0.688	5.476	27.149	74.081	117.498
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.271	23.334	60.883
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.711	18.450
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.119
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000



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**CANDELA TABULATION - (Cont.)**

<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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

	<b>275.0</b>	<b>277.5</b>	<b>280.0</b>	<b>282.5</b>	<b>285.0</b>	<b>287.5</b>	<b>290.0</b>	<b>292.5</b>	<b>295.0</b>	<b>297.5</b>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2283.409	2288.691	2293.959	2299.760	2304.006	2308.724	2313.393	2322.028	2322.588	2327.462
<b>5.0</b>	2283.487	2297.070	2303.790	2313.319	2323.142	2333.414	2343.587	2353.337	2366.443	2372.389
<b>7.5</b>	2278.283	2294.399	2308.069	2322.784	2339.858	2352.911	2367.488	2385.374	2395.957	2409.746
<b>10.0</b>	2268.118	2291.730	2307.385	2327.184	2346.911	2366.185	2385.358	2403.908	2424.953	2440.679
<b>12.5</b>	2252.981	2277.871	2301.869	2326.141	2350.062	2377.371	2398.648	2419.991	2442.765	2464.529
<b>15.0</b>	2233.638	2263.190	2291.688	2319.835	2351.446	2376.135	2403.030	2430.175	2456.450	2482.443
<b>17.5</b>	2217.961	2251.896	2285.746	2318.313	2351.082	2383.267	2413.991	2444.834	2474.200	2503.448
<b>20.0</b>	2203.384	2241.773	2281.402	2316.668	2353.409	2389.839	2424.133	2458.751	2491.916	2528.032
<b>22.5</b>	2185.748	2227.144	2271.399	2310.420	2350.882	2390.649	2429.375	2467.736	2504.366	2540.479
<b>25.0</b>	2163.942	2209.522	2254.737	2299.316	2347.799	2389.363	2430.189	2471.909	2511.805	2551.206
<b>27.5</b>	2140.842	2188.098	2236.663	2285.192	2332.770	2379.866	2425.998	2471.021	2517.287	2556.908
<b>30.0</b>	2112.102	2164.146	2215.546	2266.469	2317.583	2370.459	2417.295	2465.555	2512.935	2557.813
<b>32.5</b>	2082.400	2136.997	2192.812	2245.834	2300.049	2353.067	2405.875	2457.504	2508.132	2555.958
<b>35.0</b>	2054.745	2109.091	2166.353	2223.406	2279.746	2336.081	2391.420	2445.602	2498.954	2550.252
<b>37.5</b>	2019.485	2079.345	2140.254	2198.556	2257.182	2315.092	2372.947	2430.001	2486.676	2542.457
<b>40.0</b>	1985.247	2050.009	2109.658	2171.167	2232.343	2292.308	2352.114	2410.938	2468.888	2526.040
<b>42.5</b>	1949.759	2013.699	2078.179	2141.871	2204.748	2267.187	2327.884	2388.959	2448.737	2507.873
<b>45.0</b>	1916.218	1981.934	2046.940	2111.874	2175.590	2239.612	2302.433	2363.890	2425.677	2487.453
<b>47.5</b>	1876.184	1943.211	2009.914	2076.956	2144.133	2210.084	2274.638	2336.721	2396.281	2457.852
<b>50.0</b>	1838.769	1906.752	1974.724	2042.449	2111.052	2175.810	2237.477	2301.205	2359.125	2420.160
<b>52.5</b>	1800.700	1870.048	1938.885	2004.244	2067.241	2131.569	2195.477	2257.700	2319.949	2381.080
<b>55.0</b>	1761.479	1830.748	1897.105	1957.070	2020.715	2087.526	2150.237	2214.385	2277.897	2340.320
<b>57.5</b>	1715.915	1780.109	1847.950	1908.745	1972.999	2037.553	2103.015	2169.804	2233.172	2298.382
<b>60.0</b>	1663.317	1729.152	1794.280	1859.650	1924.210	1989.159	2054.419	2120.561	2185.938	2250.924
<b>62.5</b>	1614.591	1676.518	1743.293	1809.107	1874.733	1939.854	2005.260	2070.908	2137.301	2202.389
<b>65.0</b>	1558.584	1624.726	1690.457	1759.872	1824.094	1891.683	1955.077	2022.050	2086.558	2152.842
<b>67.5</b>	1505.548	1571.520	1637.937	1704.730	1772.511	1838.735	1904.274	1969.422	2033.198	2094.258
<b>70.0</b>	1454.124	1518.280	1587.484	1651.829	1720.887	1786.731	1853.446	1913.587	1969.230	2026.341
<b>72.5</b>	1397.807	1464.802	1531.354	1598.449	1665.566	1732.603	1793.380	1848.823	1904.624	1960.479
<b>75.0</b>	1344.076	1410.443	1477.492	1544.391	1611.488	1669.988	1725.943	1782.782	1838.163	1893.814
<b>77.5</b>	1289.958	1356.763	1423.125	1490.112	1546.792	1602.329	1661.887	1714.165	1773.687	1825.585
<b>80.0</b>	1236.668	1302.658	1369.381	1424.018	1478.995	1537.721	1589.570	1648.574	1700.664	1756.213
<b>82.5</b>	1184.120	1249.492	1302.662	1356.653	1410.525	1465.368	1520.383	1575.273	1630.402	1685.057
<b>85.0</b>	1131.826	1183.564	1235.605	1288.500	1342.262	1395.900	1450.333	1504.859	1559.030	1613.226
<b>87.5</b>	1065.640	1117.351	1168.993	1220.814	1273.378	1326.637	1379.789	1433.551	1487.331	1543.358
<b>90.0</b>	999.483	1050.852	1102.258	1153.606	1204.961	1256.953	1309.591	1361.843	1414.707	1467.479
<b>92.5</b>	932.588	984.394	1035.383	1086.289	1137.086	1189.010	1238.895	1290.280	1341.728	1393.453
<b>95.0</b>	866.670	917.305	969.219	1018.916	1071.351	1119.122	1168.975	1218.880	1268.919	1311.851
<b>97.5</b>	801.609	852.543	901.153	954.674	1001.140	1050.404	1100.061	1148.324	1190.810	1226.895
<b>100.0</b>	738.294	786.330	835.071	883.821	933.340	982.813	1029.983	1073.050	1108.216	1143.762
<b>102.5</b>	671.291	720.900	770.021	817.813	866.073	913.456	957.221	991.720	1026.100	1058.561
<b>105.0</b>	610.828	655.928	704.394	752.923	799.053	842.227	877.217	910.565	943.068	974.897
<b>107.5</b>	545.670	592.802	639.356	686.498	731.221	767.028	796.864	830.015	861.444	892.326
<b>110.0</b>	487.220	530.641	576.539	619.637	654.381	687.695	719.768	750.058	780.468	810.378
<b>112.5</b>	422.736	469.150	513.345	546.442	579.014	611.313	642.665	672.685	701.197	728.753

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**CANDELA TABULATION - (Cont.)**

<b>115.0</b>	363.396	404.722	440.228	473.960	506.311	539.710	568.936	598.214	623.719	650.238
<b>117.5</b>	295.665	333.136	371.023	402.649	434.440	464.616	493.036	520.722	547.789	572.695
<b>120.0</b>	223.704	261.721	297.674	331.577	363.464	393.400	421.480	447.955	472.841	498.846
<b>122.5</b>	153.564	192.772	227.722	261.579	293.804	324.897	350.748	376.867	401.211	423.773
<b>125.0</b>	94.554	122.516	155.095	189.495	221.936	252.014	280.350	309.253	330.603	352.694
<b>127.5</b>	46.938	71.478	91.129	118.506	153.178	181.334	209.734	236.271	260.505	282.496
<b>130.0</b>	13.535	34.120	49.095	60.753	80.359	110.242	138.829	165.624	191.141	211.902
<b>132.5</b>	1.326	8.033	19.905	28.408	32.611	42.126	67.377	94.118	122.986	146.280
<b>135.0</b>	0.000	0.646	3.661	9.109	10.486	7.180	8.753	34.420	63.958	88.060
<b>137.5</b>	0.000	0.000	0.154	0.814	0.632	0.000	0.016	2.797	15.363	37.503
<b>140.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.326	4.367
<b>142.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>145.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2332.244	2336.925	2341.493	2346.606	2350.176	2354.261	2358.206	2362.000	2365.637	2370.903
<b>5.0</b>	2381.600	2390.623	2399.340	2407.859	2416.162	2424.229	2435.801	2439.562	2446.751	2453.639
<b>7.5</b>	2423.357	2436.749	2452.631	2462.418	2474.668	2486.544	2498.158	2509.292	2520.042	2530.387
<b>10.0</b>	2458.347	2475.630	2492.758	2511.421	2525.724	2541.709	2557.302	2571.989	2586.468	2600.515
<b>12.5</b>	2486.424	2507.939	2528.883	2549.802	2569.605	2589.175	2608.306	2629.333	2644.834	2662.322
<b>15.0</b>	2508.068	2533.572	2558.141	2581.867	2605.755	2629.043	2651.765	2673.326	2698.753	2719.048
<b>17.5</b>	2531.944	2559.345	2585.880	2612.359	2637.410	2661.466	2687.419	2712.525	2737.294	2762.856
<b>20.0</b>	2556.686	2587.183	2619.956	2646.761	2674.856	2702.658	2729.067	2757.273	2779.498	2806.083
<b>22.5</b>	2575.675	2609.976	2644.530	2674.970	2706.221	2736.179	2765.531	2793.589	2820.212	2845.723
<b>25.0</b>	2589.407	2626.638	2662.440	2697.042	2733.729	2765.283	2795.976	2825.870	2855.358	2881.001
<b>27.5</b>	2598.110	2637.984	2676.601	2713.222	2748.760	2784.510	2816.387	2848.280	2879.228	2912.377
<b>30.0</b>	2601.916	2644.474	2685.334	2724.095	2761.136	2797.300	2832.006	2865.872	2899.111	2931.182
<b>32.5</b>	2603.068	2648.467	2691.586	2732.624	2771.884	2810.085	2846.983	2882.807	2918.217	2950.580
<b>35.0</b>	2601.735	2647.923	2693.043	2736.403	2777.848	2818.449	2857.623	2897.788	2933.531	2968.206
<b>37.5</b>	2595.063	2642.699	2690.318	2735.869	2779.176	2824.429	2865.105	2905.525	2944.446	2980.177
<b>40.0</b>	2580.736	2633.336	2683.605	2733.190	2776.473	2820.350	2863.619	2906.862	2948.396	2986.915
<b>42.5</b>	2565.919	2619.956	2672.928	2722.173	2770.515	2813.136	2857.425	2901.292	2944.152	2982.994
<b>45.0</b>	2545.368	2600.487	2653.379	2703.696	2751.236	2799.041	2842.242	2886.665	2930.896	2971.814
<b>47.5</b>	2514.282	2571.985	2628.155	2679.910	2729.455	2776.383	2822.391	2868.040	2913.362	2956.320
<b>50.0</b>	2480.364	2539.998	2599.393	2651.823	2703.562	2752.363	2799.001	2845.305	2890.526	2935.263
<b>52.5</b>	2443.167	2503.924	2563.386	2619.782	2673.678	2724.655	2772.352	2818.151	2864.619	2908.040
<b>55.0</b>	2403.006	2464.725	2525.453	2584.196	2639.828	2692.320	2741.485	2785.852	2829.419	2873.448
<b>57.5</b>	2359.699	2424.223	2484.461	2545.750	2601.353	2652.391	2700.167	2745.907	2790.280	2834.009
<b>60.0</b>	2314.187	2377.339	2440.372	2497.236	2552.021	2604.332	2654.485	2701.854	2746.725	2790.956

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**CANDELA TABULATION - (Cont.)**

62.5	2266.597	2327.384	2384.497	2441.665	2497.740	2552.027	2603.774	2653.021	2699.445	2743.156
65.0	2210.776	2268.122	2325.499	2382.711	2439.438	2494.715	2548.349	2600.105	2647.281	2692.394
67.5	2149.103	2208.936	2264.172	2323.214	2377.755	2433.562	2487.727	2540.319	2591.828	2634.435
70.0	2084.281	2142.463	2199.914	2257.126	2313.661	2368.972	2423.507	2476.261	2524.669	2568.010
72.5	2017.484	2075.256	2133.094	2190.161	2246.580	2304.036	2355.864	2405.332	2450.990	2495.407
75.0	1949.567	2006.124	2063.356	2120.455	2178.051	2232.179	2281.630	2327.258	2375.074	2418.687
77.5	1880.736	1936.070	1991.751	2048.779	2104.012	2155.181	2201.017	2247.203	2290.055	2333.902
80.0	1810.668	1864.988	1920.289	1973.873	2025.681	2071.022	2116.954	2159.949	2203.560	2247.145
82.5	1739.511	1794.158	1846.180	1896.723	1939.824	1985.521	2028.248	2071.094	2113.577	2157.578
85.0	1668.883	1720.075	1770.762	1811.526	1854.118	1894.774	1937.181	1979.501	2022.434	2060.357
87.5	1593.446	1645.803	1685.819	1727.075	1764.448	1803.895	1844.445	1885.705	1924.645	1963.224
90.0	1519.086	1560.346	1601.840	1637.679	1675.265	1712.902	1750.227	1791.573	1826.407	1863.434
92.5	1435.960	1477.212	1512.282	1548.644	1584.861	1620.757	1658.210	1691.195	1726.327	1762.015
95.0	1349.874	1388.182	1423.824	1459.562	1494.254	1529.088	1561.975	1594.376	1626.677	1657.872
97.5	1264.515	1299.645	1334.907	1369.767	1403.513	1439.173	1467.263	1497.775	1531.082	1555.649
100.0	1176.951	1211.553	1245.515	1279.116	1313.896	1343.488	1373.362	1401.732	1427.587	1455.106
102.5	1091.602	1124.163	1156.645	1188.663	1220.062	1250.188	1278.922	1306.066	1327.411	1348.798
105.0	1006.787	1037.664	1068.278	1099.753	1127.727	1156.200	1185.374	1206.065	1225.398	1244.348
107.5	922.357	952.101	980.779	1011.815	1036.416	1063.187	1086.815	1104.359	1121.455	1138.102
110.0	838.970	867.058	894.141	920.650	946.359	972.102	987.735	1002.960	1017.749	1031.234
112.5	756.806	783.201	809.704	833.576	857.623	875.293	890.146	903.410	915.374	926.342
115.0	674.946	700.407	726.938	747.725	767.336	780.470	793.243	804.715	815.758	824.611
117.5	597.078	619.695	645.060	663.246	675.877	687.022	697.554	707.139	716.114	723.711
120.0	519.939	541.715	562.610	574.844	586.322	598.498	604.942	612.121	618.487	623.845
122.5	445.180	465.343	480.310	491.712	501.283	508.696	515.600	523.965	528.236	528.016
125.0	373.065	388.827	401.289	412.725	420.103	426.918	431.549	434.620	436.943	438.165
127.5	300.230	314.257	325.779	335.386	343.341	348.785	352.564	354.725	356.226	353.609
130.0	229.956	241.402	253.112	262.778	269.812	277.077	280.946	279.569	279.017	276.814
132.5	164.584	175.214	182.766	191.745	199.242	204.796	207.831	209.083	208.201	205.676
135.0	106.778	119.647	127.670	130.535	131.457	135.890	139.652	142.769	141.262	138.903
137.5	56.949	71.510	81.248	86.087	86.704	82.970	77.594	75.448	75.652	74.351
140.0	16.204	30.911	41.978	48.911	51.760	51.111	45.730	37.373	25.725	14.481
142.5	0.628	3.861	11.336	19.217	24.120	25.213	23.094	17.814	9.517	0.000
145.0	0.000	0.000	0.350	1.773	5.058	7.429	7.737	5.176	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.042	0.304	0.530	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929	2277.929
2.5	2372.371	2375.404	2378.255	2380.916	2383.383	2385.648	2387.710	2389.559	2395.315	2395.481
5.0	2460.185	2466.267	2472.011	2477.407	2482.963	2487.098	2491.368	2495.231	2498.678	2501.699
7.5	2542.203	2549.776	2558.747	2567.168	2574.888	2582.071	2589.575	2594.947	2600.621	2605.655

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**CANDELA TABULATION - (Cont.)**

10.0	2613.389	2625.904	2638.104	2649.654	2660.538	2670.703	2680.086	2691.332	2696.318	2702.960
12.5	2678.854	2694.339	2710.022	2724.663	2738.396	2751.090	2763.002	2774.278	2786.665	2793.861
15.0	2739.408	2755.240	2773.942	2791.568	2808.132	2825.738	2838.390	2852.197	2864.723	2876.203
17.5	2784.616	2807.038	2828.341	2848.544	2867.882	2886.481	2905.397	2920.332	2935.753	2949.862
20.0	2824.928	2848.780	2875.145	2896.112	2918.219	2939.345	2959.818	2979.416	3000.361	3014.830
22.5	2870.005	2893.399	2914.966	2935.109	2959.113	2982.974	3006.336	3029.057	3050.975	3071.364
25.0	2907.826	2932.748	2957.103	2981.543	3001.622	3022.539	3043.922	3070.243	3095.000	3118.764
27.5	2939.087	2966.254	2991.951	3017.841	3041.321	3064.265	3085.523	3105.829	3130.584	3157.247
30.0	2964.447	2991.286	3019.358	3046.663	3072.756	3098.131	3122.173	3145.305	3166.444	3187.391
32.5	2982.031	3012.097	3039.425	3069.069	3096.768	3124.802	3152.535	3176.964	3200.316	3220.060
35.0	3001.068	3033.009	3063.519	3092.965	3120.747	3146.483	3171.272	3196.578	3219.088	3241.506
37.5	3014.614	3048.516	3082.099	3113.388	3142.900	3169.581	3194.116	3212.466	3230.736	3248.688
40.0	3022.509	3058.369	3094.558	3127.473	3157.395	3182.626	3205.451	3226.743	3244.695	3259.352
42.5	3020.212	3057.473	3094.654	3130.414	3159.134	3184.822	3209.109	3230.542	3249.965	3264.239
45.0	3011.535	3048.824	3087.887	3121.535	3152.489	3178.274	3202.322	3222.673	3242.016	3256.249
47.5	2996.018	3035.215	3072.488	3108.216	3139.749	3167.528	3191.545	3213.826	3234.325	3251.659
50.0	2978.272	3015.517	3054.118	3088.524	3122.961	3153.492	3180.321	3204.503	3225.738	3243.746
52.5	2950.200	2989.778	3028.309	3064.439	3098.913	3131.374	3160.714	3187.527	3205.433	3221.499
55.0	2917.021	2957.935	2998.315	3035.101	3069.611	3102.098	3129.738	3153.790	3174.013	3191.115
57.5	2877.606	2921.234	2961.510	3000.698	3033.971	3062.825	3089.564	3114.526	3136.770	3158.449
60.0	2834.163	2878.010	2919.488	2955.692	2989.184	3018.336	3045.257	3068.841	3094.952	3121.633
62.5	2786.981	2828.245	2868.342	2903.825	2937.672	2969.665	2994.970	3019.284	3048.860	3075.727
65.0	2734.157	2772.198	2808.756	2844.646	2879.330	2911.399	2939.683	2968.783	2996.604	3022.441
67.5	2673.722	2711.337	2747.831	2782.189	2816.103	2849.218	2879.154	2909.587	2936.802	2960.932
70.0	2608.346	2646.351	2682.731	2716.447	2748.826	2779.596	2811.855	2841.847	2868.699	2893.919
72.5	2540.297	2575.871	2612.129	2646.063	2678.650	2709.478	2739.787	2768.100	2794.083	2815.594
75.0	2461.370	2499.397	2536.517	2570.381	2602.614	2634.507	2663.204	2689.363	2715.510	2733.634
77.5	2378.453	2416.422	2454.675	2491.596	2522.188	2552.641	2580.372	2605.529	2627.572	2647.669
80.0	2287.516	2327.298	2365.921	2401.869	2438.152	2465.473	2492.040	2515.876	2536.337	2559.221
82.5	2194.837	2233.770	2271.195	2307.723	2341.761	2371.775	2398.620	2420.994	2439.690	2467.376
85.0	2099.064	2136.761	2173.255	2208.593	2244.228	2273.796	2297.448	2320.366	2342.389	2369.046
87.5	1999.804	2036.421	2072.859	2105.450	2136.675	2164.794	2190.175	2212.061	2234.080	2264.288
90.0	1899.202	1934.498	1967.527	1999.342	2028.814	2055.305	2079.047	2103.291	2123.814	2152.970
92.5	1796.129	1829.590	1861.251	1891.011	1917.668	1945.264	1964.152	1982.604	2010.824	2038.189
95.0	1689.900	1721.089	1751.357	1779.105	1804.516	1827.379	1847.300	1864.822	1894.714	1920.313
97.5	1583.744	1614.193	1639.021	1665.274	1688.040	1708.733	1726.701	1747.920	1776.108	1800.540
100.0	1477.332	1501.776	1525.526	1547.764	1568.679	1587.103	1603.157	1627.601	1653.816	1676.576
102.5	1370.101	1395.636	1416.001	1431.126	1448.724	1464.788	1477.712	1504.311	1532.585	1549.026
105.0	1262.815	1280.769	1297.825	1313.800	1328.609	1341.167	1355.774	1383.686	1403.439	1423.628
107.5	1154.000	1169.177	1183.276	1196.162	1208.412	1217.125	1238.695	1256.102	1274.439	1291.699
110.0	1044.336	1056.534	1068.266	1077.890	1086.211	1092.837	1111.833	1130.272	1146.019	1158.753
112.5	936.287	945.024	953.215	960.486	964.921	973.974	988.815	1003.834	1016.229	1025.994
115.0	831.656	838.252	842.041	845.196	846.621	854.556	867.414	878.370	887.075	893.559
117.5	730.427	734.535	736.525	736.453	735.137	742.231	749.748	756.172	760.707	763.196
120.0	628.386	631.521	633.266	635.883	632.084	635.195	637.541	638.930	639.168	637.529
122.5	529.917	530.377	529.775	527.940	527.840	528.476	527.928	525.743	521.472	515.272
125.0	439.034	435.397	432.031	427.924	425.929	425.039	419.843	415.480	405.730	396.463
127.5	351.138	349.099	342.569	337.443	333.444	326.415	318.801	309.664	299.110	286.768
130.0	273.257	267.321	259.967	256.960	250.684	242.699	232.919	221.249	209.692	193.156
132.5	201.237	195.061	191.889	190.523	185.639	177.290	166.379	153.478	139.302	123.120
135.0	134.810	129.460	133.544	134.366	132.427	127.830	120.719	111.292	99.736	86.245
137.5	71.392	75.852	82.162	85.895	87.966	86.736	82.004	76.430	69.000	60.044
140.0	14.845	26.211	35.622	41.978	46.254	48.112	48.943	46.022	42.506	37.633
142.5	0.000	0.000	0.650	3.941	9.041	13.659	16.888	18.442	18.574	18.118
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.400	0.856
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

**Vert. Horizontal Angles**

	<b>350.0</b>	<b>352.5</b>	<b>355.0</b>	<b>357.5</b>	<b>360.0</b>
<b>0.0</b>	2277.929	2277.929	2277.929	2277.929	2277.929
<b>2.5</b>	2395.649	2395.819	2395.991	2396.163	2396.335
<b>5.0</b>	2507.984	2508.510	2509.038	2509.570	2510.104
<b>7.5</b>	2610.028	2617.053	2618.197	2619.349	2620.502
<b>10.0</b>	2708.808	2713.832	2719.808	2721.770	2723.739
<b>12.5</b>	2802.008	2809.098	2817.471	2820.530	2823.603
<b>15.0</b>	2886.423	2895.486	2906.105	2910.561	2915.042
<b>17.5</b>	2962.709	2974.209	2984.352	2993.851	3000.157
<b>20.0</b>	3030.848	3045.229	3058.137	3070.363	3078.954
<b>22.5</b>	3089.946	3107.492	3123.768	3139.369	3150.587
<b>25.0</b>	3141.418	3162.503	3181.701	3200.128	3214.214
<b>27.5</b>	3183.656	3208.817	3230.390	3251.653	3268.571
<b>30.0</b>	3216.423	3244.179	3269.951	3295.072	3315.343
<b>32.5</b>	3239.729	3270.994	3300.988	3331.524	3357.059
<b>35.0</b>	3262.121	3284.306	3318.324	3354.860	3390.348
<b>37.5</b>	3270.328	3292.269	3318.614	3367.157	3417.314
<b>40.0</b>	3269.893	3283.828	3312.648	3357.279	3433.327
<b>42.5</b>	3277.722	3287.657	3294.492	3323.098	3442.596
<b>45.0</b>	3268.295	3276.470	3282.436	3285.149	3329.248
<b>47.5</b>	3266.620	3279.253	3287.257	3311.167	3436.698
<b>50.0</b>	3255.951	3266.302	3288.072	3333.463	3421.107
<b>52.5</b>	3234.735	3256.369	3287.379	3336.222	3398.775
<b>55.0</b>	3214.885	3242.566	3268.359	3316.657	3363.801
<b>57.5</b>	3186.591	3212.570	3245.255	3282.770	3319.136
<b>60.0</b>	3148.564	3172.252	3206.252	3239.279	3268.149
<b>62.5</b>	3101.006	3125.644	3158.331	3187.749	3212.950
<b>65.0</b>	3047.550	3072.580	3102.154	3127.621	3148.480
<b>67.5</b>	2982.387	3010.899	3037.842	3063.227	3078.112
<b>70.0</b>	2913.900	2942.086	2966.208	2988.423	3000.578
<b>72.5</b>	2840.431	2867.332	2889.598	2909.540	2919.676
<b>75.0</b>	2761.422	2787.337	2808.550	2827.484	2836.245
<b>77.5</b>	2677.107	2702.230	2722.465	2740.441	2748.598
<b>80.0</b>	2589.287	2614.938	2630.941	2648.591	2655.898
<b>82.5</b>	2493.373	2518.723	2534.190	2549.670	2555.612
<b>85.0</b>	2395.123	2418.283	2433.942	2448.841	2454.061
<b>87.5</b>	2290.419	2312.307	2328.446	2342.813	2347.033
<b>90.0</b>	2178.181	2198.552	2214.013	2227.270	2230.313
<b>92.5</b>	2061.291	2079.970	2093.876	2105.626	2107.273
<b>95.0</b>	1941.518	1958.576	1971.228	1981.700	1982.126

**IES INDOOR REPORT  
PHOTOMETRIC FILENAME : TCCL96H-40.IES**

**CANDELA TABULATION - (Cont.)**

<b>97.5</b>	1820.575	1836.016	1847.216	1856.301	1855.715
<b>100.0</b>	1695.204	1709.571	1719.681	1727.677	1725.933
<b>102.5</b>	1566.084	1579.011	1587.191	1593.189	1589.830
<b>105.0</b>	1434.519	1444.973	1451.517	1456.105	1451.199
<b>107.5</b>	1302.228	1310.599	1315.063	1317.577	1310.883
<b>110.0</b>	1168.487	1174.515	1176.553	1176.727	1168.040
<b>112.5</b>	1032.766	1036.011	1035.511	1033.246	1022.245
<b>115.0</b>	902.358	897.700	894.413	889.393	876.029
<b>117.5</b>	767.170	760.507	754.279	746.459	730.657
<b>120.0</b>	635.955	626.684	616.996	605.897	587.390
<b>122.5</b>	508.541	496.515	483.239	468.666	447.073
<b>125.0</b>	385.566	371.339	354.931	337.219	313.121
<b>127.5</b>	272.361	255.939	237.087	217.044	191.723
<b>130.0</b>	176.602	158.460	138.271	117.048	91.775
<b>132.5</b>	105.544	86.796	66.473	45.291	21.827
<b>135.0</b>	71.048	54.471	36.881	18.666	0.000
<b>137.5</b>	49.713	38.273	25.987	13.182	0.000
<b>140.0</b>	31.543	24.488	17.028	8.517	0.000
<b>142.5</b>	15.255	12.206	8.791	4.398	0.000
<b>145.0</b>	1.234	1.382	1.314	0.658	0.000
<b>147.5</b>	0.000	0.000	0.000	0.000	0.000
<b>150.0</b>	0.000	0.000	0.000	0.000	0.000
<b>152.5</b>	0.000	0.000	0.000	0.000	0.000
<b>155.0</b>	0.000	0.000	0.000	0.000	0.000
<b>157.5</b>	0.000	0.000	0.000	0.000	0.000
<b>160.0</b>	0.000	0.000	0.000	0.000	0.000
<b>162.5</b>	0.000	0.000	0.000	0.000	0.000
<b>165.0</b>	0.000	0.000	0.000	0.000	0.000
<b>167.5</b>	0.000	0.000	0.000	0.000	0.000
<b>170.0</b>	0.000	0.000	0.000	0.000	0.000
<b>172.5</b>	0.000	0.000	0.000	0.000	0.000
<b>175.0</b>	0.000	0.000	0.000	0.000	0.000
<b>177.5</b>	0.000	0.000	0.000	0.000	0.000
<b>180.0</b>	0.000	0.000	0.000	0.000	0.000

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

Zone	Lumens	%Lamp	%Fixt
0-20	831.73	N.A.	7.10
0-30	1778.98	N.A.	15.20
0-40	2966.96	N.A.	25.30
0-60	5750.57	N.A.	49.00
0-80	8505.91	N.A.	72.50
0-90	9646.93	N.A.	82.20
10-90	9431.73	N.A.	80.40
20-40	2135.22	N.A.	18.20
20-50	3483.26	N.A.	29.70
40-70	4212.94	N.A.	35.90
60-80	2755.34	N.A.	23.50
70-80	1326.02	N.A.	11.30
80-90	1141.03	N.A.	9.70
90-110	1522.59	N.A.	13.00
90-120	1890.94	N.A.	16.10
90-130	2049.4	N.A.	17.50
90-150	2086.94	N.A.	17.80
90-180	2086.94	N.A.	17.80
110-180	564.35	N.A.	4.80
0-180	11733.88	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	215.20
10-20	616.53
20-30	947.25
30-40	1187.97
40-50	1348.03
50-60	1435.58
60-70	1429.33
70-80	1326.02
80-90	1141.02
90-100	895.73
100-110	626.86
110-120	368.35
120-130	158.46
130-140	35.83
140-150	1.71
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : TCCL96H-40.IES**

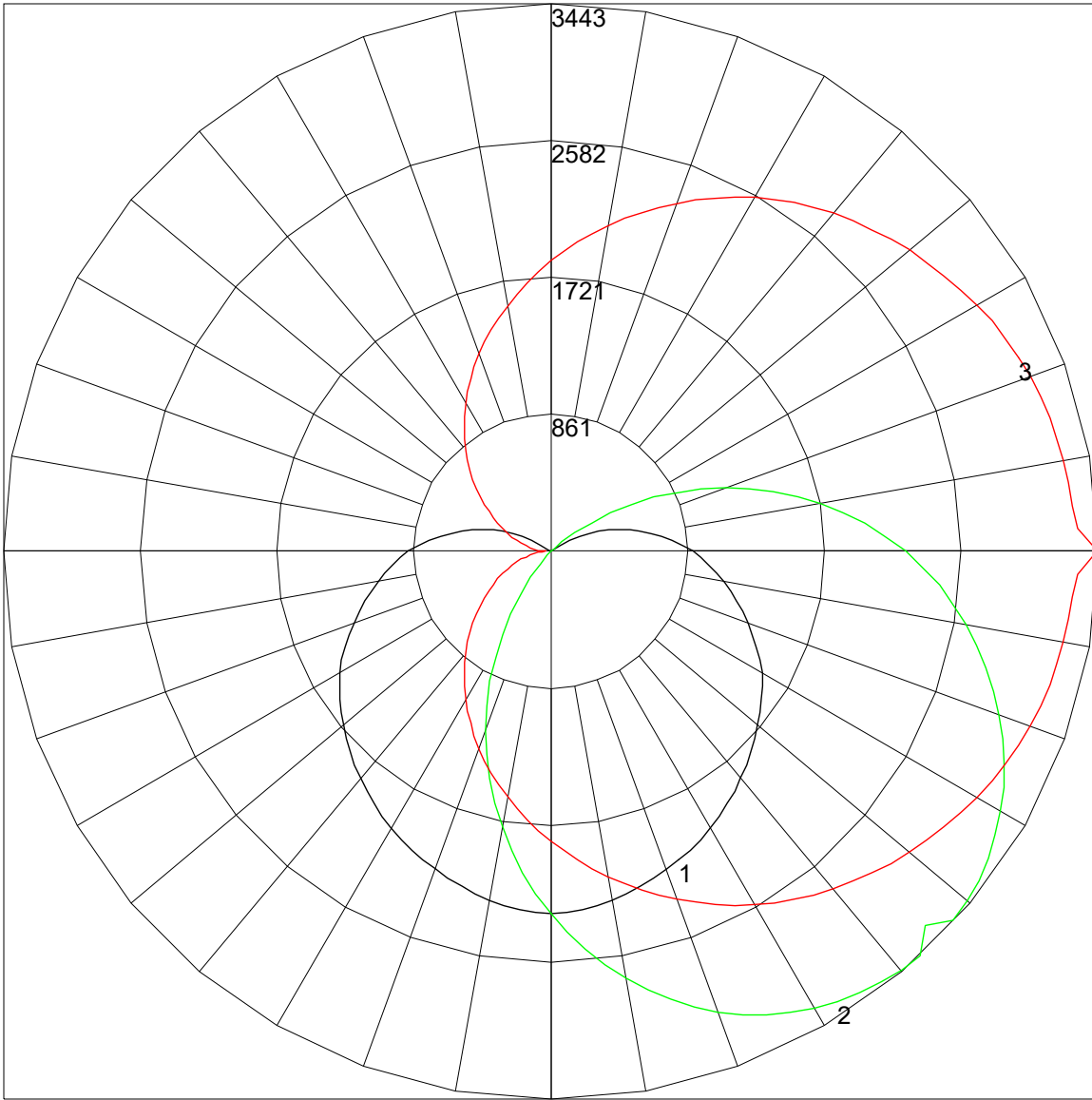
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	115	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	100	94	88	83	83	96	90	84	80	82	78	74	75	72	68	69	66	63	60
2	90	80	71	64	64	85	76	68	62	69	63	58	63	58	54	58	54	50	47
3	81	69	59	52	52	77	66	57	50	60	53	47	55	49	44	50	45	41	37
4	73	60	50	43	43	70	57	48	41	53	45	39	48	42	36	44	38	34	31
5	67	53	43	36	36	64	51	42	35	47	39	33	43	36	31	39	33	29	26
6	62	47	38	31	31	59	45	37	30	42	34	28	38	32	27	35	30	25	22
7	57	43	33	27	27	54	41	32	26	38	30	25	35	28	23	32	26	22	20
8	53	39	30	24	24	50	37	29	23	34	27	22	32	25	21	29	24	20	17
9	49	35	27	21	21	47	34	26	21	32	25	20	29	23	18	27	22	17	15
10	46	33	24	19	19	44	31	24	18	29	22	18	27	21	17	25	20	16	14



POLAR GRAPH



Maximum Candela = 3442.596 Located At Horizontal Angle = 0, Vertical Angle = 42.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)  
# 2 - Vertical Plane Through Horizontal Angles (0 - 180)  
# 3 - Horizontal Cone Through Vertical Angle (42.5) (Through Max. Cd.)