



IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSL24HFA-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] s14050047e-01
[TESTLAB] LEADING TESTING LABORATORIES
[TESTDATE] 2017-05-29
[ISSUEDATE] 2017-05-30
[NEARFIELD]
[LAMPPOSITION] 0,0
[LUMCAT] LSL24HFA-40
[LUMINAIRE] 2x4 Recessed Troffer with flat frosted acrylic lens, 4000K High Power
[MANUFAC] LAMAR LIGHTING CO., INC.
[SEARCH_SOURCETYPE] LED
[SEARCH_APPLICATION] Indoor
[SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6904
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	126
Total Luminaire Watts	54.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.79 ft
Luminous Width (90-270)	3.79 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3923	3888	3726
55	3297	3214	2839
65	2672	2409	2289
75	2549	2193	2223
85	2766	2586	2415

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CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0.0	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131
0.5	2744.442	2744.752	2744.467	2744.713	2744.700	2744.778	2744.429	2744.429	2744.455	2744.455
1.0	2745.024	2745.063	2744.480	2745.037	2745.037	2745.102	2744.739	2744.739	2744.765	2744.765
1.5	2744.765	2745.063	2744.791	2745.348	2745.348	2745.115	2745.050	2744.752	2745.076	2744.467
2.0	2744.752	2745.063	2744.791	2745.360	2745.360	2745.115	2745.063	2744.752	2744.196	2744.170
2.5	2744.467	2744.765	2744.493	2745.360	2745.360	2745.399	2744.752	2744.467	2743.859	2743.277
3.0	2744.157	2744.157	2744.183	2744.791	2745.063	2744.830	2744.183	2743.872	2743.264	2742.345
3.5	2742.966	2743.290	2742.979	2744.170	2744.170	2743.911	2743.264	2743.251	2742.332	2741.115
4.0	2741.413	2742.060	2742.099	2742.940	2742.940	2742.461	2742.319	2742.034	2741.167	2739.938
4.5	2740.248	2741.103	2740.585	2741.400	2741.387	2741.206	2740.598	2740.184	2739.317	2738.411
5.0	2739.006	2739.278	2739.627	2739.951	2739.951	2739.679	2739.032	2738.165	2737.466	2735.952
5.5	2736.883	2738.035	2738.100	2738.113	2738.087	2737.518	2736.871	2736.275	2734.709	2733.790
6.0	2735.020	2736.508	2736.560	2736.275	2736.249	2735.965	2734.424	2734.140	2732.638	2731.163
6.5	2732.884	2734.463	2734.114	2734.140	2734.114	2733.531	2732.574	2731.991	2730.218	2728.704
7.0	2731.008	2732.315	2732.082	2732.276	2731.318	2730.917	2730.089	2729.222	2727.449	2725.922
7.5	2728.989	2730.438	2729.636	2730.102	2728.717	2727.850	2727.190	2726.116	2724.045	2722.841
8.0	2726.245	2727.656	2727.138	2727.216	2725.650	2724.731	2724.110	2722.932	2721.237	2719.735
8.5	2723.178	2724.912	2724.071	2724.136	2722.557	2721.664	2720.732	2718.985	2717.509	2716.047
9.0	2720.059	2721.677	2720.952	2720.421	2719.464	2718.855	2717.017	2715.231	2713.769	2712.268
9.5	2716.720	2718.894	2717.910	2717.354	2716.124	2715.180	2713.031	2711.271	2709.822	2708.282
10.0	2713.303	2714.960	2714.222	2713.653	2712.423	2711.491	2709.330	2707.272	2705.810	2704.011
10.5	2709.899	2711.219	2710.145	2709.912	2708.398	2706.845	2704.438	2702.937	2701.189	2699.390
11.0	2706.405	2707.790	2706.392	2705.551	2704.360	2702.160	2700.051	2698.562	2696.530	2694.136
11.5	2701.513	2703.739	2701.759	2701.487	2700.322	2697.799	2695.404	2693.605	2691.017	2689.153
12.0	2697.177	2699.416	2697.747	2696.906	2695.702	2693.191	2690.499	2688.092	2685.219	2683.640
12.5	2692.557	2694.485	2693.385	2692.259	2691.095	2688.571	2685.568	2682.553	2679.343	2677.855
13.0	2687.639	2689.322	2688.804	2687.044	2686.190	2683.096	2679.486	2676.988	2673.830	2671.746
13.5	2683.019	2684.662	2683.304	2682.100	2680.663	2677.544	2673.610	2670.815	2667.708	2665.249
14.0	2677.816	2679.693	2678.567	2676.561	2675.137	2671.060	2667.243	2664.149	2661.199	2659.050
14.5	2672.238	2674.167	2672.730	2671.293	2669.249	2664.835	2661.263	2657.290	2654.068	2652.230
15.0	2666.337	2668.601	2666.854	2665.702	2663.049	2658.947	2654.469	2650.780	2647.648	2645.422
15.5	2660.228	2662.182	2660.474	2659.568	2656.604	2652.191	2647.700	2644.025	2640.258	2637.851
16.0	2653.446	2655.996	2654.275	2653.084	2649.771	2645.241	2640.854	2636.583	2633.166	2630.423
16.5	2647.260	2649.473	2647.804	2646.419	2642.976	2637.851	2633.580	2629.335	2625.725	2622.994
17.0	2640.271	2642.562	2641.268	2639.327	2635.988	2630.125	2626.126	2621.958	2617.959	2615.229
17.5	2632.713	2635.897	2633.969	2632.066	2628.119	2622.541	2617.972	2614.090	2610.259	2606.998
18.0	2625.285	2628.468	2626.799	2624.650	2620.043	2614.672	2609.780	2605.393	2601.303	2598.313
18.5	2619.124	2620.794	2619.435	2617.571	2612.097	2606.972	2601.730	2596.838	2592.127	2590.289
19.0	2611.592	2613.365	2612.019	2609.457	2603.943	2598.352	2593.137	2588.439	2584.025	2581.398
19.5	2603.451	2605.173	2603.866	2601.329	2595.505	2590.509	2584.388	2579.949	2575.251	2572.857
20.0	2595.673	2596.786	2595.790	2592.334	2586.860	2581.489	2575.070	2570.048	2565.751	2562.801
20.5	2587.339	2588.439	2586.873	2583.417	2577.645	2572.235	2565.273	2560.458	2556.472	2552.887
21.0	2578.305	2580.039	2578.111	2573.530	2568.327	2562.270	2555.670	2550.842	2546.545	2543.491
21.5	2568.987	2570.488	2569.103	2564.108	2558.996	2552.615	2546.571	2541.459	2536.645	2533.306
22.0	2559.410	2560.898	2559.876	2554.932	2549.432	2542.779	2536.515	2531.326	2526.214	2522.913
22.5	2549.884	2551.425	2550.027	2545.355	2539.647	2532.995	2526.175	2520.881	2515.536	2512.417
23.0	2539.466	2541.149	2539.557	2535.118	2528.750	2522.797	2515.549	2510.114	2504.898	2501.792
23.5	2528.906	2530.886	2528.983	2525.023	2518.591	2512.534	2505.170	2499.294	2494.092	2490.973
24.0	2518.332	2520.105	2518.655	2513.841	2507.707	2500.783	2493.910	2488.423	2482.457	2479.118
24.5	2507.409	2509.182	2506.723	2502.581	2496.460	2489.691	2482.418	2476.581	2470.887	2468.285
25.0	2496.033	2498.647	2496.136	2491.749	2485.084	2478.225	2470.679	2465.438	2459.083	2456.806
25.5	2485.304	2487.297	2484.734	2480.075	2473.113	2467.069	2459.536	2452.910	2447.099	2444.834
26.0	2473.333	2475.559	2472.763	2468.195	2461.167	2455.175	2446.569	2440.382	2435.050	2431.866
26.5	2460.986	2462.966	2460.636	2455.796	2448.458	2441.793	2434.028	2428.307	2422.250	2419.041

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27.0	2448.251	2450.593	2448.756	2443.126	2436.085	2429.472	2421.578	2415.521	2409.852	2406.060
27.5	2435.581	2437.923	2436.137	2430.145	2423.118	2416.724	2408.610	2402.307	2397.130	2392.497
28.0	2421.992	2424.878	2422.509	2416.789	2409.826	2403.329	2394.399	2389.015	2382.661	2378.882
28.5	2407.924	2411.431	2408.972	2403.873	2396.677	2389.287	2381.069	2374.947	2368.295	2364.982
29.0	2394.011	2397.221	2395.745	2389.455	2382.700	2375.155	2367.260	2360.685	2354.370	2351.212
29.5	2379.141	2382.803	2381.173	2375.142	2367.907	2361.151	2353.412	2345.660	2339.849	2336.173
30.0	2364.219	2367.842	2365.720	2361.138	2353.283	2346.164	2339.059	2331.462	2325.082	2321.096
30.5	2348.908	2351.639	2350.862	2345.854	2339.279	2331.307	2323.762	2316.256	2309.500	2305.863
31.0	2333.261	2336.846	2335.643	2331.087	2324.137	2316.463	2308.477	2300.324	2293.956	2290.126
31.5	2317.627	2320.462	2320.190	2314.897	2308.244	2301.165	2292.572	2284.172	2278.103	2274.272
32.0	2301.450	2304.659	2303.223	2298.978	2292.636	2284.884	2275.902	2268.474	2262.456	2257.499
32.5	2284.884	2287.718	2287.136	2282.606	2275.605	2268.797	2259.880	2252.024	2246.123	2241.632
33.0	2267.218	2271.010	2270.234	2265.730	2259.104	2251.610	2243.716	2235.640	2228.962	2225.480
33.5	2249.410	2254.134	2252.257	2248.918	2242.874	2234.799	2226.244	2217.676	2211.865	2207.543
34.0	2232.171	2236.157	2234.216	2230.955	2225.247	2216.809	2208.242	2200.735	2194.187	2189.618
34.5	2213.664	2218.039	2216.783	2214.078	2207.711	2199.972	2191.365	2182.733	2175.511	2171.965
35.0	2195.817	2199.506	2198.548	2194.911	2190.097	2181.542	2172.884	2163.915	2156.952	2152.656
35.5	2177.077	2180.753	2179.523	2176.534	2171.473	2163.281	2153.833	2144.761	2137.915	2133.566
36.0	2157.522	2161.806	2160.654	2157.897	2151.827	2144.075	2134.459	2125.995	2118.670	2113.920
36.5	2138.109	2142.444	2141.202	2137.915	2132.544	2124.520	2115.590	2105.146	2098.791	2094.132
37.0	2118.062	2122.074	2121.129	2118.398	2112.833	2104.835	2094.443	2085.008	2078.032	2074.046
37.5	2097.264	2101.962	2100.927	2098.131	2092.475	2084.050	2073.295	2064.107	2056.898	2052.731
38.0	2077.061	2081.112	2081.048	2077.838	2072.169	2063.563	2053.067	2044.021	2035.919	2031.519
38.5	2055.888	2060.198	2059.732	2057.066	2050.699	2042.739	2031.596	2021.954	2013.620	2008.585
39.0	2033.965	2038.896	2038.494	2036.048	2030.069	2021.333	2009.841	1999.409	1990.324	1985.393
39.5	2011.601	2017.451	2017.179	2014.112	2008.339	1998.737	1986.545	1976.360	1967.132	1962.784
40.0	1990.609	1994.957	1994.906	1991.165	1985.510	1976.101	1964.401	1953.388	1943.280	1938.906
40.5	1967.896	1972.529	1972.645	1968.737	1962.641	1953.698	1941.015	1929.342	1918.431	1913.151
41.0	1944.587	1950.139	1949.466	1946.528	1940.109	1929.924	1916.477	1903.017	1892.237	1886.788
41.5	1921.952	1927.103	1926.714	1921.978	1915.998	1905.632	1891.266	1878.505	1867.582	1861.642
42.0	1898.345	1903.626	1903.406	1898.760	1892.056	1881.909	1867.945	1854.381	1841.362	1835.279
42.5	1874.325	1879.334	1879.230	1875.037	1868.281	1857.384	1842.138	1827.048	1813.873	1806.910
43.0	1850.809	1855.779	1854.809	1850.512	1843.057	1832.509	1816.461	1799.391	1785.349	1778.308
43.5	1824.796	1830.982	1829.636	1824.900	1817.432	1805.305	1789.296	1772.472	1758.235	1750.612
44.0	1800.323	1806.108	1804.904	1800.129	1791.768	1780.457	1764.357	1744.827	1729.530	1721.609
44.5	1774.723	1780.470	1779.577	1773.921	1765.845	1754.832	1736.985	1716.860	1699.414	1691.040
45.0	1749.784	1754.961	1754.055	1749.370	1740.595	1727.951	1709.172	1688.737	1668.832	1661.947
45.5	1722.373	1728.883	1727.420	1722.140	1713.793	1701.148	1681.632	1658.673	1638.962	1630.770
46.0	1697.408	1702.468	1701.265	1696.282	1687.650	1674.695	1654.570	1629.734	1608.678	1599.968
46.5	1670.372	1675.135	1673.815	1669.052	1661.287	1647.517	1625.308	1598.298	1576.413	1566.784
47.0	1643.168	1648.034	1647.051	1642.133	1633.707	1619.562	1595.619	1567.328	1542.350	1533.562
47.5	1616.106	1621.141	1619.665	1614.204	1606.775	1592.875	1568.169	1536.409	1510.500	1500.586
48.0	1589.213	1593.950	1591.866	1587.712	1579.584	1565.710	1539.140	1504.287	1477.782	1466.924
48.5	1561.258	1566.590	1563.743	1559.627	1553.053	1537.471	1507.562	1472.282	1444.004	1432.511
49.0	1534.287	1537.341	1535.749	1531.336	1525.318	1508.274	1476.863	1439.060	1408.724	1399.017
49.5	1504.727	1508.830	1507.161	1503.032	1497.040	1479.659	1445.751	1405.501	1375.036	1363.776
50.0	1476.850	1480.681	1478.468	1476.566	1469.965	1451.821	1415.014	1371.697	1340.403	1329.687
50.5	1448.417	1452.403	1449.853	1448.158	1442.580	1420.941	1381.740	1337.814	1307.103	1296.193
51.0	1420.592	1422.908	1421.264	1420.734	1414.781	1391.498	1349.398	1304.308	1274.515	1263.566
51.5	1390.139	1394.915	1393.698	1393.517	1387.253	1361.240	1317.107	1271.435	1240.905	1231.147
52.0	1363.233	1366.222	1365.122	1366.015	1358.108	1331.085	1283.872	1237.618	1208.964	1198.804
52.5	1335.135	1336.727	1337.284	1337.892	1329.946	1299.869	1250.288	1206.104	1178.149	1167.912
53.0	1305.330	1307.647	1308.151	1309.756	1300.425	1268.109	1218.399	1174.706	1147.684	1138.598
53.5	1276.495	1279.343	1280.701	1282.203	1272.173	1236.983	1186.872	1143.659	1117.852	1108.638
54.0	1248.890	1249.563	1252.734	1254.235	1243.894	1205.625	1153.883	1112.611	1089.108	1080.282
54.5	1220.651	1222.605	1225.504	1226.552	1214.309	1173.503	1122.304	1084.345	1061.438	1053.492

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55.0	1193.097	1194.948	1197.847	1199.477	1184.335	1141.950	1092.693	1055.925	1034.778	1027.336
55.5	1164.547	1167.265	1170.319	1171.354	1154.802	1110.411	1063.612	1027.478	1007.599	999.964
56.0	1136.696	1137.822	1142.779	1143.374	1124.375	1079.686	1032.746	999.640	981.586	974.636
56.5	1109.595	1111.757	1115.704	1114.811	1094.518	1048.315	1004.286	973.834	956.388	949.606
57.0	1083.116	1085.471	1088.940	1087.672	1064.376	1019.014	977.276	948.454	931.319	926.207
57.5	1056.688	1059.109	1061.749	1059.445	1034.959	989.649	950.952	922.519	906.898	899.352
58.0	1029.950	1031.361	1034.842	1032.319	1004.998	961.345	923.489	893.140	884.262	877.286
58.5	1004.260	1006.499	1009.191	1004.519	976.642	933.506	892.571	870.608	861.639	855.246
59.0	979.334	980.564	983.230	977.147	947.134	907.558	869.469	848.296	839.017	833.193
59.5	954.162	955.210	956.375	949.322	918.584	882.191	846.627	825.984	816.394	811.153
60.0	929.572	929.300	930.698	921.496	907.389	856.851	823.784	803.685	793.772	789.902
60.5	906.755	907.674	906.082	899.521	877.921	831.511	800.942	782.732	773.026	769.984
61.0	884.107	884.663	882.217	872.925	847.584	806.170	778.720	761.455	753.367	750.222
61.5	861.458	861.549	858.365	846.109	817.248	780.817	756.253	740.515	733.009	730.886
62.0	838.797	838.447	834.500	819.306	786.925	757.469	734.290	720.636	714.385	712.418
62.5	816.148	815.346	810.648	792.490	762.607	734.704	713.868	701.508	695.710	693.924
63.0	793.500	792.244	786.783	768.470	739.493	713.945	693.846	682.367	678.264	676.142
63.5	772.301	770.787	764.160	744.113	716.637	692.112	673.670	663.925	660.482	659.214
64.0	751.451	749.588	742.483	721.387	694.701	671.418	654.606	646.686	643.929	642.881
64.5	731.870	729.450	720.183	699.476	673.295	651.190	636.811	629.551	627.441	626.457
65.0	712.405	709.687	700.408	677.967	652.277	632.424	618.563	612.377	611.199	610.176
65.5	693.135	690.326	679.986	657.104	632.747	613.373	600.962	596.316	595.552	594.801
66.0	674.524	671.651	660.637	636.992	613.063	594.698	583.749	580.708	580.319	579.853
66.5	656.729	653.144	641.341	617.942	594.491	576.903	568.011	565.294	565.397	564.905
67.0	639.335	635.672	623.571	599.473	576.553	560.117	551.239	550.268	550.773	550.164
67.5	622.044	618.537	605.621	581.911	559.068	543.447	536.174	535.954	536.873	536.407
68.0	605.556	602.036	588.965	564.634	542.309	527.516	521.317	521.938	523.336	522.947
68.5	589.858	585.625	572.010	548.430	526.196	512.050	507.223	508.362	509.708	509.643
69.0	574.249	569.927	556.778	532.693	510.808	496.973	492.715	495.200	496.675	496.572
69.5	558.874	554.539	540.859	517.227	495.433	482.219	479.255	482.439	484.121	484.316
70.0	544.328	539.979	526.299	502.810	480.976	468.319	465.977	469.704	471.891	471.839
70.5	530.130	525.820	512.063	489.143	467.180	455.067	453.695	457.616	459.816	459.920
71.0	516.619	511.856	498.694	474.764	454.018	442.099	441.257	446.175	448.518	448.570
71.5	503.276	498.332	485.209	462.236	441.180	429.493	429.752	435.058	437.336	437.621
72.0	489.881	485.092	472.085	449.320	428.484	417.302	418.260	423.643	425.999	426.154
72.5	477.003	472.254	459.260	437.220	416.525	405.796	407.104	412.591	415.192	415.335
73.0	464.527	459.622	446.991	424.795	404.994	394.731	396.193	402.302	405.110	404.968
73.5	452.401	446.887	434.851	413.613	393.954	383.886	386.280	392.181	394.640	394.809
74.0	440.248	434.864	423.177	402.354	383.057	373.661	376.069	381.905	384.144	383.963
74.5	428.264	422.983	411.543	391.340	372.419	363.618	366.039	371.798	373.636	373.390
75.0	416.189	410.896	399.455	380.132	362.285	353.834	356.151	361.664	363.502	362.997
75.5	404.399	398.924	387.949	369.895	352.307	344.192	346.833	351.349	352.838	352.333
76.0	392.829	387.263	376.677	359.089	342.665	334.835	337.023	340.802	341.966	341.268
76.5	381.103	375.616	365.340	348.826	333.101	325.724	327.083	330.293	331.470	330.810
77.0	368.808	363.838	353.692	338.097	323.718	316.717	317.351	320.224	320.845	320.043
77.5	356.876	352.268	342.329	328.144	314.309	307.437	307.411	309.262	310.013	309.107
78.0	344.865	340.478	331.043	317.325	304.914	297.990	297.122	298.365	298.844	297.873
78.5	332.584	328.377	321.427	307.075	295.427	288.400	286.639	287.442	287.856	287.338
79.0	319.616	320.302	309.353	295.880	285.889	278.434	276.092	276.920	276.803	276.001
79.5	307.114	308.654	296.618	285.772	276.273	268.521	265.596	265.544	265.570	264.845
80.0	294.430	292.657	285.073	275.121	266.295	258.335	254.763	254.336	254.194	253.560
80.5	281.307	279.884	273.413	264.043	255.812	247.619	243.763	243.297	243.038	242.494
81.0	267.925	267.459	261.493	252.705	245.354	236.813	232.568	231.972	231.286	230.937
81.5	254.647	257.546	249.638	241.718	233.901	225.734	221.256	220.182	219.445	219.186
82.0	240.618	244.228	237.421	230.173	222.292	214.423	209.466	208.017	207.538	207.059
82.5	226.343	228.944	224.932	218.137	209.893	202.335	197.391	196.045	195.463	195.101

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83.0	212.119	217.180	212.585	205.635	198.090	190.532	185.782	184.178	183.259	183.259
83.5	197.754	205.493	200.109	192.771	185.058	178.535	173.720	171.559	170.886	170.990
84.0	183.013	191.347	187.271	179.570	172.620	165.891	160.778	159.225	158.281	158.514
84.5	167.521	176.852	174.018	165.748	158.785	152.819	147.992	146.516	145.843	145.701
85.0	152.068	162.189	160.170	151.654	145.093	139.243	135.127	133.432	132.785	132.759
85.5	136.706	146.529	145.559	137.120	130.365	125.732	121.836	120.141	119.261	119.597
86.0	121.254	134.312	130.481	122.509	116.323	111.547	108.105	106.992	105.917	106.383
86.5	106.331	118.639	114.951	107.470	101.595	97.298	94.153	93.661	92.755	93.105
87.0	90.685	102.074	98.747	91.992	85.831	83.204	80.823	80.577	79.762	80.111
87.5	74.404	87.087	83.398	76.267	71.220	69.136	67.493	67.493	66.755	67.130
88.0	58.071	68.541	65.797	60.543	56.634	55.055	54.162	54.395	53.761	54.149
88.5	41.751	49.969	48.105	44.818	42.036	40.974	40.832	41.311	40.767	41.181
89.0	25.418	31.397	30.414	29.094	27.437	26.893	27.502	28.227	27.761	28.201
89.5	9.085	12.826	12.722	13.369	14.663	15.194	15.996	16.449	16.229	16.799
90.0	6.691	10.224	9.965	3.805	5.009	5.630	6.626	6.963	7.079	7.752
90.5	4.931	8.089	7.804	1.372	3.999	4.167	4.685	5.009	5.216	5.643
91.0	3.171	5.940	5.643	1.294	3.028	3.028	3.274	3.443	3.546	3.844
91.5	1.411	3.792	3.481	1.307	2.058	1.890	1.864	1.864	1.890	2.045
92.0	1.320	1.657	1.320	1.294	1.100	0.751	0.453	0.298	0.220	0.259
92.5	1.411	1.670	1.294	1.242	1.022	0.699	0.362	0.220	0.194	0.194
93.0	1.411	1.708	1.385	1.281	1.009	0.699	0.362	0.233	0.207	0.207
93.5	1.475	1.786	1.488	1.333	1.048	0.712	0.401	0.246	0.220	0.220
94.0	1.475	1.786	1.553	1.372	1.100	0.725	0.427	0.285	0.246	0.246
94.5	1.475	1.786	1.670	1.424	1.035	0.764	0.453	0.311	0.272	0.259
95.0	1.501	1.864	1.708	1.462	1.061	0.725	0.466	0.336	0.285	0.272
95.5	1.501	1.915	1.708	1.437	1.100	0.738	0.453	0.349	0.298	0.285
96.0	1.527	1.967	1.760	1.424	1.165	0.764	0.453	0.349	0.298	0.285
96.5	1.566	2.045	1.799	1.411	1.165	0.789	0.466	0.349	0.311	0.285
97.0	1.579	2.071	1.838	1.411	1.152	0.815	0.479	0.349	0.311	0.298
97.5	1.566	2.135	1.851	1.424	1.139	0.802	0.479	0.349	0.311	0.298
98.0	1.540	2.278	1.864	1.424	1.100	0.789	0.479	0.349	0.298	0.298
98.5	1.514	2.472	1.877	1.424	1.074	0.777	0.479	0.336	0.298	0.298
99.0	1.488	2.550	1.838	1.424	1.061	0.751	0.466	0.336	0.298	0.285
99.5	1.475	2.498	1.799	1.450	1.061	0.738	0.453	0.336	0.298	0.285
100.0	1.462	2.381	1.760	1.475	1.087	0.712	0.453	0.336	0.298	0.285
100.5	1.462	2.265	1.721	1.462	1.113	0.699	0.453	0.336	0.285	0.285
101.0	1.462	2.161	1.682	1.450	1.126	0.699	0.453	0.336	0.285	0.285
101.5	1.475	2.084	1.631	1.437	1.139	0.712	0.453	0.336	0.298	0.298
102.0	1.475	2.006	1.605	1.462	1.126	0.712	0.453	0.336	0.298	0.298
102.5	1.488	1.941	1.566	1.462	1.100	0.725	0.453	0.336	0.298	0.298
103.0	1.501	1.890	1.553	1.450	1.087	0.725	0.453	0.349	0.298	0.311
103.5	1.514	1.825	1.527	1.411	1.087	0.725	0.453	0.349	0.311	0.311
104.0	1.553	1.786	1.501	1.372	1.074	0.712	0.466	0.349	0.311	0.311
104.5	1.566	1.747	1.475	1.346	1.074	0.712	0.466	0.349	0.311	0.324
105.0	1.579	1.708	1.450	1.320	1.074	0.699	0.479	0.349	0.324	0.324
105.5	1.579	1.682	1.437	1.307	1.061	0.699	0.479	0.349	0.324	0.324
106.0	1.579	1.670	1.437	1.294	1.048	0.699	0.479	0.362	0.336	0.336
106.5	1.579	1.657	1.424	1.294	1.022	0.712	0.492	0.362	0.336	0.336
107.0	1.566	1.644	1.437	1.294	1.009	0.699	0.492	0.362	0.336	0.349
107.5	1.553	1.605	1.450	1.268	0.984	0.699	0.492	0.362	0.349	0.349
108.0	1.527	1.592	1.475	1.229	0.971	0.699	0.492	0.375	0.349	0.362
108.5	1.488	1.566	1.462	1.204	0.958	0.699	0.492	0.375	0.362	0.362
109.0	1.450	1.527	1.475	1.178	0.945	0.699	0.505	0.388	0.362	0.375
109.5	1.437	1.501	1.462	1.152	0.945	0.699	0.505	0.401	0.375	0.375
110.0	1.437	1.488	1.437	1.139	0.945	0.699	0.518	0.401	0.375	0.388
110.5	1.437	1.475	1.411	1.126	0.932	0.699	0.518	0.414	0.388	0.388

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111.0	1.424	1.475	1.385	1.100	0.932	0.699	0.531	0.427	0.388	0.401
111.5	1.411	1.462	1.359	1.087	0.919	0.699	0.544	0.427	0.401	0.414
112.0	1.398	1.437	1.333	1.074	0.919	0.699	0.544	0.440	0.414	0.414
112.5	1.385	1.411	1.307	1.074	0.919	0.712	0.557	0.453	0.414	0.427
113.0	1.359	1.385	1.294	1.087	0.906	0.699	0.557	0.453	0.427	0.427
113.5	1.372	1.359	1.255	1.087	0.893	0.699	0.557	0.466	0.427	0.440
114.0	1.385	1.346	1.229	1.087	0.893	0.699	0.557	0.479	0.440	0.453
114.5	1.385	1.359	1.204	1.087	0.893	0.712	0.557	0.479	0.453	0.466
115.0	1.398	1.359	1.204	1.087	0.906	0.725	0.557	0.492	0.453	0.466
115.5	1.398	1.359	1.178	1.087	0.906	0.725	0.569	0.505	0.466	0.479
116.0	1.398	1.346	1.178	1.074	0.906	0.738	0.569	0.505	0.479	0.492
116.5	1.411	1.359	1.191	1.061	0.906	0.738	0.569	0.518	0.492	0.505
117.0	1.411	1.346	1.191	1.061	0.893	0.738	0.582	0.531	0.505	0.518
117.5	1.411	1.333	1.191	1.061	0.893	0.738	0.582	0.531	0.505	0.518
118.0	1.398	1.320	1.178	1.061	0.906	0.738	0.595	0.544	0.518	0.531
118.5	1.411	1.307	1.178	1.061	0.906	0.751	0.608	0.544	0.531	0.544
119.0	1.398	1.307	1.165	1.061	0.919	0.751	0.621	0.557	0.557	0.557
119.5	1.385	1.307	1.178	1.061	0.932	0.751	0.634	0.557	0.557	0.557
120.0	1.398	1.281	1.178	1.074	0.932	0.751	0.634	0.569	0.557	0.569
120.5	1.398	1.281	1.178	1.074	0.932	0.751	0.647	0.569	0.569	0.582
121.0	1.372	1.307	1.191	1.074	0.945	0.764	0.647	0.582	0.582	0.595
121.5	1.398	1.294	1.178	1.074	0.945	0.764	0.660	0.595	0.595	0.608
122.0	1.385	1.294	1.165	1.074	0.958	0.764	0.660	0.595	0.608	0.608
122.5	1.385	1.281	1.178	1.087	0.958	0.777	0.660	0.608	0.608	0.621
123.0	1.372	1.281	1.191	1.100	0.958	0.789	0.673	0.621	0.621	0.634
123.5	1.359	1.294	1.178	1.113	0.958	0.802	0.673	0.621	0.634	0.647
124.0	1.359	1.281	1.178	1.113	0.958	0.802	0.686	0.634	0.647	0.660
124.5	1.385	1.281	1.165	1.139	0.958	0.815	0.699	0.634	0.660	0.673
125.0	1.372	1.294	1.165	1.139	0.958	0.815	0.699	0.647	0.660	0.686
125.5	1.372	1.294	1.178	1.139	0.971	0.828	0.712	0.660	0.673	0.699
126.0	1.372	1.294	1.191	1.126	0.971	0.828	0.712	0.660	0.686	0.712
126.5	1.359	1.294	1.191	1.139	0.984	0.828	0.725	0.673	0.686	0.712
127.0	1.359	1.281	1.191	1.139	0.997	0.841	0.738	0.686	0.699	0.725
127.5	1.385	1.268	1.204	1.139	0.997	0.841	0.738	0.699	0.699	0.725
128.0	1.359	1.281	1.204	1.152	0.997	0.854	0.751	0.712	0.712	0.738
128.5	1.346	1.281	1.217	1.139	0.997	0.854	0.751	0.725	0.712	0.751
129.0	1.385	1.281	1.229	1.139	0.997	0.854	0.764	0.738	0.725	0.764
129.5	1.385	1.294	1.229	1.152	1.009	0.867	0.777	0.751	0.725	0.764
130.0	1.359	1.281	1.217	1.139	1.009	0.867	0.777	0.764	0.738	0.777
130.5	1.346	1.268	1.217	1.165	1.009	0.880	0.789	0.777	0.751	0.789
131.0	1.372	1.281	1.217	1.152	1.022	0.880	0.802	0.789	0.764	0.802
131.5	1.372	1.255	1.204	1.165	1.022	0.880	0.815	0.789	0.777	0.828
132.0	1.359	1.255	1.204	1.178	1.022	0.880	0.828	0.802	0.777	0.828
132.5	1.359	1.242	1.217	1.178	1.022	0.867	0.828	0.815	0.789	0.841
133.0	1.372	1.242	1.204	1.165	1.022	0.867	0.841	0.815	0.802	0.854
133.5	1.359	1.229	1.217	1.165	1.035	0.880	0.841	0.815	0.802	0.854
134.0	1.333	1.242	1.217	1.165	1.022	0.880	0.854	0.828	0.802	0.854
134.5	1.346	1.242	1.229	1.152	1.009	0.880	0.854	0.828	0.815	0.867
135.0	1.346	1.255	1.217	1.152	1.009	0.880	0.880	0.828	0.815	0.867
135.5	1.346	1.255	1.217	1.152	1.009	0.880	0.893	0.828	0.815	0.867
136.0	1.346	1.268	1.229	1.152	1.009	0.880	0.893	0.841	0.815	0.867
136.5	1.346	1.268	1.229	1.152	1.009	0.893	0.906	0.841	0.828	0.880
137.0	1.346	1.268	1.242	1.165	1.022	0.906	0.906	0.854	0.828	0.880
137.5	1.346	1.255	1.242	1.165	1.022	0.906	0.919	0.867	0.841	0.880
138.0	1.346	1.242	1.255	1.165	1.022	0.906	0.919	0.867	0.841	0.893
138.5	1.346	1.255	1.255	1.152	1.022	0.906	0.919	0.880	0.854	0.906

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139.0	1.346	1.268	1.242	1.152	1.022	0.906	0.919	0.893	0.867	0.906
139.5	1.333	1.268	1.255	1.152	1.009	0.906	0.932	0.893	0.867	0.906
140.0	1.333	1.281	1.255	1.152	0.984	0.906	0.932	0.906	0.880	0.919
140.5	1.346	1.268	1.242	1.152	0.984	0.919	0.932	0.906	0.880	0.932
141.0	1.346	1.268	1.242	1.165	0.984	0.932	0.932	0.919	0.893	0.932
141.5	1.346	1.255	1.242	1.178	0.971	0.932	0.932	0.919	0.893	0.945
142.0	1.346	1.255	1.242	1.165	0.958	0.958	0.932	0.932	0.906	0.945
142.5	1.333	1.255	1.255	1.178	0.971	0.971	0.945	0.932	0.919	0.945
143.0	1.333	1.255	1.255	1.178	0.984	0.971	0.945	0.932	0.919	0.958
143.5	1.333	1.255	1.255	1.165	0.997	0.984	0.945	0.919	0.932	0.958
144.0	1.333	1.268	1.268	1.139	0.997	0.997	0.945	0.919	0.932	0.958
144.5	1.333	1.268	1.281	1.126	0.997	1.009	0.945	0.919	0.932	0.958
145.0	1.333	1.281	1.268	1.126	1.022	1.009	0.945	0.919	0.932	0.958
145.5	1.320	1.294	1.268	1.113	1.022	1.009	0.958	0.932	0.932	0.958
146.0	1.333	1.294	1.268	1.100	1.035	1.009	0.958	0.932	0.932	0.958
146.5	1.346	1.294	1.255	1.087	1.035	1.022	0.971	0.932	0.932	0.958
147.0	1.346	1.281	1.217	1.113	1.035	1.035	0.971	0.945	0.932	0.958
147.5	1.333	1.268	1.191	1.113	1.048	1.061	0.984	0.945	0.945	0.971
148.0	1.320	1.242	1.191	1.113	1.074	1.100	0.984	0.958	0.945	0.971
148.5	1.281	1.204	1.165	1.126	1.100	1.074	0.984	0.958	0.945	0.971
149.0	1.229	1.191	1.152	1.139	1.113	1.074	0.997	0.971	0.958	0.971
149.5	1.217	1.178	1.152	1.139	1.139	1.074	0.997	0.971	0.971	0.984
150.0	1.204	1.152	1.165	1.139	1.152	1.087	0.997	0.971	0.971	0.984
150.5	1.178	1.152	1.178	1.139	1.152	1.087	0.984	0.984	0.971	0.984
151.0	1.165	1.165	1.191	1.152	1.152	1.087	0.971	0.997	0.984	0.984
151.5	1.178	1.178	1.242	1.178	1.152	1.087	0.958	0.997	0.997	0.997
152.0	1.191	1.178	1.242	1.191	1.152	1.087	0.958	0.997	1.009	1.009
152.5	1.204	1.204	1.242	1.204	1.152	1.100	0.958	0.997	1.009	1.009
153.0	1.242	1.229	1.255	1.217	1.165	1.087	0.958	1.009	0.997	1.009
153.5	1.268	1.229	1.268	1.217	1.178	1.087	0.958	1.035	0.997	0.997
154.0	1.268	1.242	1.294	1.229	1.191	1.074	0.971	1.035	0.984	0.984
154.5	1.281	1.255	1.307	1.255	1.178	1.074	0.984	1.022	0.997	0.984
155.0	1.294	1.281	1.307	1.281	1.178	1.074	0.997	1.022	0.997	0.997
155.5	1.307	1.307	1.307	1.268	1.178	1.061	0.997	1.022	0.997	0.997
156.0	1.333	1.333	1.320	1.255	1.178	1.048	0.997	1.035	0.997	0.997
156.5	1.333	1.333	1.333	1.255	1.178	1.035	0.997	1.035	1.009	0.997
157.0	1.346	1.346	1.320	1.268	1.165	1.035	0.984	1.035	1.009	0.997
157.5	1.359	1.359	1.320	1.281	1.152	1.022	0.984	1.035	1.009	0.997
158.0	1.359	1.359	1.320	1.294	1.152	1.022	0.997	1.035	1.022	0.997
158.5	1.359	1.385	1.333	1.307	1.152	1.009	0.997	1.035	1.022	0.997
159.0	1.372	1.424	1.333	1.307	1.139	1.022	0.997	1.048	1.022	0.997
159.5	1.372	1.411	1.333	1.307	1.152	1.022	0.997	1.061	1.035	0.997
160.0	1.372	1.385	1.333	1.294	1.165	1.022	0.997	1.061	1.035	1.009
160.5	1.372	1.398	1.320	1.294	1.165	1.022	0.997	1.048	1.035	1.009
161.0	1.372	1.398	1.333	1.281	1.178	1.022	1.009	1.035	1.035	1.009
161.5	1.372	1.385	1.333	1.268	1.178	1.035	1.022	1.035	1.022	1.009
162.0	1.372	1.372	1.320	1.268	1.191	1.048	1.009	1.035	1.022	0.997
162.5	1.372	1.372	1.307	1.281	1.204	1.048	1.009	1.035	1.022	0.997
163.0	1.385	1.385	1.307	1.281	1.217	1.061	1.022	1.035	1.022	1.009
163.5	1.385	1.372	1.307	1.268	1.217	1.074	1.035	1.035	1.035	1.022
164.0	1.372	1.372	1.307	1.281	1.217	1.100	1.048	1.035	1.035	1.022
164.5	1.372	1.372	1.320	1.281	1.229	1.113	1.061	1.061	1.035	1.035
165.0	1.372	1.372	1.320	1.281	1.255	1.126	1.074	1.074	1.048	1.048
165.5	1.385	1.385	1.333	1.294	1.255	1.165	1.100	1.074	1.061	1.074
166.0	1.398	1.398	1.346	1.281	1.268	1.165	1.126	1.061	1.074	1.139
166.5	1.411	1.398	1.359	1.294	1.281	1.178	1.126	1.087	1.100	1.204

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167.0	1.411	1.398	1.372	1.333	1.281	1.191	1.126	1.100	1.126	1.217
167.5	1.411	1.424	1.385	1.333	1.294	1.204	1.165	1.113	1.139	1.191
168.0	1.437	1.450	1.385	1.346	1.294	1.217	1.165	1.126	1.152	1.165
168.5	1.450	1.450	1.398	1.372	1.294	1.217	1.178	1.126	1.152	1.139
169.0	1.462	1.462	1.411	1.372	1.307	1.204	1.165	1.152	1.152	1.126
169.5	1.462	1.462	1.424	1.372	1.320	1.204	1.152	1.152	1.178	1.139
170.0	1.462	1.462	1.424	1.372	1.320	1.191	1.139	1.152	1.204	1.152
170.5	1.450	1.462	1.424	1.372	1.320	1.204	1.126	1.165	1.204	1.191
171.0	1.450	1.450	1.437	1.385	1.320	1.204	1.113	1.165	1.217	1.242
171.5	1.462	1.475	1.450	1.385	1.333	1.204	1.126	1.165	1.217	1.191
172.0	1.475	1.488	1.462	1.398	1.346	1.217	1.139	1.178	1.217	1.152
172.5	1.488	1.488	1.462	1.424	1.359	1.255	1.152	1.191	1.229	1.152
173.0	1.501	1.501	1.475	1.437	1.372	1.281	1.191	1.229	1.229	1.165
173.5	1.514	1.514	1.501	1.462	1.411	1.320	1.217	1.268	1.255	1.178
174.0	1.527	1.540	1.527	1.488	1.450	1.359	1.268	1.307	1.281	1.204
174.5	1.540	1.540	1.540	1.514	1.475	1.398	1.307	1.333	1.307	1.229
175.0	1.540	1.540	1.540	1.527	1.501	1.424	1.307	1.346	1.320	1.255
175.5	1.540	1.540	1.540	1.527	1.514	1.437	1.320	1.359	1.333	1.268
176.0	1.527	1.540	1.540	1.527	1.527	1.450	1.333	1.372	1.346	1.268
176.5	1.527	1.540	1.540	1.527	1.527	1.462	1.359	1.398	1.359	1.281
177.0	1.527	1.540	1.527	1.527	1.514	1.462	1.385	1.411	1.359	1.307
177.5	1.514	1.527	1.514	1.514	1.501	1.462	1.398	1.424	1.372	1.333
178.0	1.501	1.527	1.514	1.501	1.501	1.462	1.411	1.411	1.372	1.359
178.5	1.488	1.501	1.501	1.488	1.488	1.462	1.437	1.411	1.385	1.385
179.0	1.475	1.501	1.488	1.475	1.475	1.450	1.450	1.398	1.398	1.411
179.5	1.475	1.501	1.501	1.475	1.462	1.450	1.462	1.385	1.398	1.424
180.0	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>	<u>190</u>
0.0	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131
0.5	2744.416	2744.144	2744.131	2744.118	2744.118	2743.523	2743.523	2743.212	2743.199	2743.497
1.0	2744.726	2744.442	2744.429	2744.118	2743.807	2743.497	2743.199	2742.578	2742.280	2742.591
1.5	2744.739	2744.442	2744.131	2743.820	2743.523	2743.212	2742.889	2742.293	2741.672	2741.944
2.0	2743.833	2743.859	2743.833	2743.212	2743.212	2742.901	2742.319	2741.983	2740.999	2740.779
2.5	2742.953	2742.630	2742.927	2742.345	2741.996	2741.698	2740.818	2740.197	2739.549	2739.537
3.0	2742.034	2741.698	2741.711	2741.128	2741.115	2740.468	2739.278	2738.631	2738.009	2737.699
3.5	2740.520	2740.248	2739.860	2739.588	2739.329	2738.721	2737.751	2737.388	2736.159	2735.809
4.0	2739.562	2738.708	2738.100	2737.427	2737.142	2736.871	2736.198	2735.628	2734.606	2733.661
4.5	2737.556	2737.142	2735.965	2735.382	2734.955	2734.981	2734.166	2733.454	2732.134	2731.500
5.0	2735.110	2734.386	2734.088	2733.519	2732.923	2732.522	2732.017	2730.982	2729.364	2729.002
5.5	2732.910	2732.030	2731.914	2731.357	2730.762	2730.179	2729.248	2728.368	2726.879	2726.400
6.0	2730.464	2729.597	2729.170	2728.898	2728.303	2727.721	2727.048	2726.180	2724.563	2723.903
6.5	2727.721	2726.828	2726.400	2725.831	2725.546	2724.964	2724.614	2723.721	2721.780	2721.107
7.0	2724.601	2723.747	2723.501	2723.036	2722.738	2722.181	2721.211	2720.641	2718.687	2718.040
7.5	2721.521	2720.965	2720.111	2719.865	2719.554	2719.088	2718.014	2717.237	2715.296	2714.947
8.0	2718.040	2717.250	2716.707	2716.150	2715.879	2715.607	2714.597	2714.028	2711.595	2711.478
8.5	2715.231	2713.769	2713.614	2712.747	2712.177	2711.634	2711.194	2710.935	2708.139	2707.427
9.0	2711.232	2709.783	2709.589	2708.748	2708.463	2707.596	2706.871	2706.664	2704.037	2703.338
9.5	2707.272	2706.094	2705.305	2705.059	2704.516	2704.218	2702.859	2702.380	2700.296	2698.433
10.0	2702.962	2702.121	2701.552	2701.060	2700.232	2699.934	2698.860	2697.786	2695.391	2694.136
10.5	2698.303	2697.203	2696.970	2696.414	2695.883	2695.301	2694.201	2693.152	2690.732	2689.775
11.0	2693.062	2692.234	2691.962	2691.457	2690.939	2690.668	2689.542	2688.480	2685.788	2684.857
11.5	2687.807	2687.044	2686.410	2686.203	2685.724	2685.491	2684.572	2683.588	2680.858	2679.913
12.0	2681.958	2681.802	2681.479	2681.246	2680.495	2680.210	2679.654	2678.347	2675.538	2673.675

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12.5	2676.690	2676.250	2675.940	2675.422	2675.215	2674.684	2674.438	2672.769	2669.973	2667.773
13.0	2670.219	2669.870	2670.116	2669.585	2669.430	2668.886	2668.381	2667.294	2664.447	2661.923
13.5	2663.839	2663.386	2663.981	2663.748	2663.295	2663.023	2662.493	2661.445	2658.869	2656.099
14.0	2657.109	2657.161	2657.174	2657.342	2657.458	2656.811	2656.332	2655.530	2652.372	2649.952
14.5	2650.560	2650.146	2650.638	2651.104	2650.949	2650.897	2649.849	2649.137	2645.694	2644.400
15.0	2643.481	2643.002	2643.973	2644.322	2644.413	2644.245	2643.313	2642.614	2639.210	2636.919
15.5	2636.104	2635.638	2636.894	2636.661	2637.631	2637.152	2637.165	2635.858	2632.674	2629.995
16.0	2628.650	2628.481	2629.193	2629.801	2630.526	2630.332	2630.177	2629.025	2625.802	2622.463
16.5	2620.820	2621.027	2621.467	2622.554	2623.253	2622.903	2622.787	2621.920	2618.425	2615.384
17.0	2613.663	2613.197	2613.689	2614.853	2615.552	2615.617	2615.022	2614.633	2611.061	2607.671
17.5	2605.509	2605.004	2605.250	2606.661	2607.360	2608.344	2607.476	2606.816	2603.193	2600.216
18.0	2597.019	2596.320	2597.097	2597.925	2599.582	2600.332	2599.271	2598.702	2595.402	2591.920
18.5	2588.245	2587.714	2588.465	2589.267	2590.717	2591.985	2591.273	2590.134	2586.420	2583.469
19.0	2579.211	2579.108	2579.599	2579.729	2581.735	2583.340	2582.977	2581.735	2578.331	2574.099
19.5	2570.695	2569.686	2570.488	2570.941	2572.675	2574.850	2574.500	2572.662	2569.388	2565.493
20.0	2560.846	2560.458	2560.872	2561.972	2564.302	2565.894	2565.803	2563.396	2560.639	2556.252
20.5	2551.308	2550.583	2551.334	2552.408	2554.751	2556.343	2556.032	2554.479	2551.049	2546.662
21.0	2541.938	2540.942	2541.058	2542.482	2545.187	2546.701	2546.675	2544.928	2541.330	2536.891
21.5	2531.714	2531.041	2531.701	2532.245	2535.208	2536.852	2536.748	2534.665	2531.054	2526.692
22.0	2521.917	2520.610	2520.959	2522.085	2524.492	2526.667	2526.615	2524.518	2521.425	2516.481
22.5	2511.188	2509.700	2510.567	2511.046	2514.022	2515.989	2516.468	2515.006	2510.554	2505.869
23.0	2499.941	2499.346	2499.605	2499.915	2503.410	2505.118	2505.688	2504.135	2500.019	2495.360
23.5	2489.847	2488.785	2490.028	2489.937	2493.030	2494.545	2495.101	2493.250	2488.954	2484.010
24.0	2477.500	2477.150	2478.212	2478.574	2481.771	2483.479	2484.230	2482.767	2477.875	2472.931
24.5	2466.434	2465.580	2466.266	2467.315	2469.256	2471.715	2472.685	2470.964	2465.994	2460.973
25.0	2455.421	2453.777	2454.204	2455.576	2457.569	2459.834	2460.222	2459.213	2453.868	2448.859
25.5	2442.841	2441.262	2442.505	2444.213	2445.883	2447.617	2448.147	2447.164	2441.547	2436.733
26.0	2430.313	2428.592	2429.343	2431.802	2433.070	2434.649	2436.150	2434.869	2428.864	2423.622
26.5	2417.294	2416.000	2416.517	2418.407	2420.024	2422.108	2423.364	2421.189	2416.051	2411.146
27.0	2405.193	2403.032	2403.472	2405.335	2407.639	2409.451	2410.616	2408.390	2402.566	2397.622
27.5	2391.410	2389.753	2390.840	2392.122	2394.451	2396.405	2397.415	2394.891	2389.507	2383.476
28.0	2377.419	2375.789	2376.255	2379.128	2380.163	2381.639	2382.247	2380.318	2375.582	2369.266
28.5	2363.584	2361.954	2362.394	2364.930	2365.797	2367.842	2368.412	2366.483	2360.828	2355.276
29.0	2349.465	2348.196	2348.921	2350.202	2352.247	2353.645	2354.512	2351.730	2345.776	2339.719
29.5	2334.374	2333.714	2334.879	2335.953	2338.076	2338.865	2339.396	2336.743	2331.294	2324.953
30.0	2319.064	2318.753	2318.870	2321.355	2322.895	2323.374	2324.474	2321.445	2315.906	2309.914
30.5	2302.835	2303.521	2304.465	2306.057	2307.662	2308.413	2308.659	2305.617	2299.897	2293.801
31.0	2288.378	2287.770	2289.051	2290.695	2291.912	2292.895	2292.598	2289.854	2283.448	2277.028
31.5	2271.683	2271.593	2273.029	2274.776	2276.096	2276.744	2276.135	2274.388	2267.399	2260.424
32.0	2255.661	2255.596	2256.606	2259.091	2260.048	2260.514	2260.126	2257.214	2250.588	2243.871
32.5	2239.289	2239.238	2240.377	2242.628	2243.081	2244.427	2242.745	2240.700	2232.974	2225.765
33.0	2222.426	2222.167	2223.992	2225.907	2225.985	2227.072	2225.649	2223.021	2216.059	2208.824
33.5	2205.045	2204.463	2205.951	2208.358	2208.604	2209.368	2207.866	2205.317	2198.794	2191.029
34.0	2186.758	2186.784	2187.910	2190.343	2190.239	2191.301	2190.136	2186.667	2180.235	2171.784
34.5	2168.600	2169.441	2170.477	2172.405	2172.962	2173.454	2171.603	2168.794	2161.275	2152.940
35.0	2151.258	2150.663	2152.617	2154.765	2155.063	2155.244	2153.652	2150.287	2142.432	2133.967
35.5	2131.949	2131.120	2134.097	2135.637	2135.741	2136.219	2133.955	2130.654	2123.264	2114.373
36.0	2112.885	2112.147	2113.907	2115.460	2116.185	2116.962	2114.956	2111.280	2103.683	2094.701
36.5	2092.605	2092.993	2094.572	2095.840	2097.238	2097.083	2094.740	2091.401	2083.998	2074.201
37.0	2071.354	2072.014	2074.408	2076.453	2077.230	2076.609	2074.823	2070.539	2063.447	2054.064
37.5	2050.595	2050.699	2053.391	2055.319	2056.445	2055.487	2054.025	2050.116	2042.351	2033.227
38.0	2029.707	2030.211	2032.787	2034.211	2035.660	2035.116	2033.939	2029.344	2021.942	2012.248
38.5	2007.731	2008.068	2011.458	2013.594	2015.160	2014.539	2012.649	2007.977	2000.095	1990.945
39.0	1984.720	1985.354	1989.250	1992.278	1992.680	1992.382	1991.308	1986.053	1979.168	1968.853
39.5	1961.412	1962.952	1966.110	1970.225	1970.717	1969.824	1968.996	1964.699	1957.801	1947.577
40.0	1937.702	1940.148	1943.694	1947.499	1948.470	1947.913	1947.383	1942.659	1935.838	1925.213

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40.5	1912.737	1915.688	1919.790	1924.385	1926.106	1925.368	1924.126	1920.062	1913.035	1902.849
41.0	1887.112	1890.257	1895.472	1900.947	1902.112	1901.943	1901.115	1896.663	1890.218	1880.485
41.5	1862.341	1866.521	1871.892	1877.405	1878.557	1878.441	1877.755	1874.778	1867.414	1858.122
42.0	1835.965	1842.889	1848.687	1853.514	1855.365	1855.546	1854.847	1851.353	1844.597	1835.693
42.5	1808.877	1814.857	1822.699	1829.028	1831.241	1831.202	1830.711	1826.647	1821.755	1810.379
43.0	1780.806	1787.601	1796.725	1803.273	1805.965	1806.858	1805.551	1801.798	1797.204	1785.879
43.5	1752.968	1760.694	1770.802	1777.467	1780.509	1782.049	1780.910	1777.985	1773.157	1761.096
44.0	1724.987	1734.267	1745.436	1752.981	1755.763	1757.174	1755.634	1753.007	1747.765	1735.859
44.5	1695.273	1706.610	1718.283	1726.799	1730.423	1731.536	1731.161	1727.382	1722.541	1710.298
45.0	1665.752	1677.633	1691.377	1700.359	1703.892	1705.600	1705.548	1701.989	1696.800	1684.324
45.5	1636.361	1649.303	1664.432	1673.931	1678.513	1679.496	1679.276	1676.532	1671.757	1658.336
46.0	1606.219	1621.322	1637.681	1648.267	1652.887	1653.522	1653.198	1650.752	1645.666	1632.349
46.5	1573.889	1591.219	1609.441	1620.740	1625.955	1625.748	1626.939	1623.095	1619.355	1606.206
47.0	1541.379	1559.899	1580.891	1593.652	1597.302	1599.088	1599.178	1595.723	1591.995	1579.390
47.5	1509.387	1529.395	1553.014	1566.448	1571.094	1573.074	1573.165	1569.101	1565.167	1552.496
48.0	1476.941	1499.382	1524.749	1540.305	1544.524	1546.375	1545.495	1542.673	1538.247	1525.538
48.5	1442.658	1468.063	1494.982	1512.635	1517.475	1517.838	1517.967	1515.793	1511.470	1498.192
49.0	1409.034	1434.724	1464.659	1484.525	1488.796	1489.999	1490.155	1488.123	1483.930	1471.298
49.5	1375.566	1402.447	1434.517	1455.781	1462.718	1463.468	1462.329	1460.466	1456.156	1443.926
50.0	1340.985	1369.238	1404.518	1428.396	1436.005	1435.138	1434.647	1432.356	1428.758	1416.696
50.5	1306.780	1335.977	1372.719	1399.690	1407.908	1407.145	1406.252	1404.078	1401.062	1389.673
51.0	1273.752	1303.376	1341.348	1370.661	1379.074	1381.105	1378.841	1376.705	1372.965	1360.774
51.5	1241.397	1270.348	1309.847	1341.011	1353.358	1352.258	1350.731	1348.129	1345.502	1333.945
52.0	1208.653	1236.686	1277.233	1311.620	1325.960	1324.860	1322.737	1320.019	1317.560	1306.184
52.5	1177.191	1204.175	1244.309	1281.944	1297.707	1296.918	1294.459	1291.599	1289.735	1279.472
53.0	1146.700	1172.869	1212.821	1251.815	1269.274	1270.568	1266.336	1263.307	1261.534	1251.051
53.5	1117.477	1142.287	1181.449	1221.673	1241.901	1242.031	1239.222	1235.935	1234.188	1223.834
54.0	1087.659	1111.084	1148.732	1189.771	1213.507	1215.707	1210.841	1208.433	1206.634	1196.268
54.5	1060.118	1081.731	1117.335	1158.995	1184.931	1187.752	1183.727	1180.026	1178.227	1168.675
55.0	1032.746	1053.181	1087.620	1129.125	1156.199	1160.936	1156.225	1153.197	1151.877	1141.704
55.5	1006.577	1025.317	1057.323	1098.543	1128.335	1133.033	1129.306	1125.579	1124.297	1115.458
56.0	979.101	997.207	1027.155	1066.693	1099.164	1105.350	1100.588	1097.766	1098.271	1089.030
56.5	954.149	970.275	998.191	1036.382	1069.889	1078.276	1074.781	1071.093	1069.928	1061.710
57.0	929.404	944.740	971.232	1006.952	1041.546	1052.133	1048.535	1044.355	1044.290	1035.567
57.5	906.302	919.102	945.102	978.596	1012.090	1025.084	1022.405	1018.354	1017.461	1010.071
58.0	883.304	903.908	917.575	948.830	983.178	998.268	995.072	992.095	991.836	984.433
58.5	860.294	878.205	906.432	921.548	954.874	971.388	970.456	967.143	966.056	959.132
59.0	837.283	851.933	878.878	899.042	926.440	944.792	945.102	941.970	941.336	934.154
59.5	814.272	825.661	850.199	872.588	897.463	918.054	919.917	916.332	916.682	910.043
60.0	791.274	799.388	821.532	845.863	871.230	887.808	895.755	903.753	892.416	885.712
60.5	771.214	777.698	792.866	819.138	845.164	863.425	871.488	877.998	868.266	861.730
61.0	750.830	756.602	769.932	792.413	819.099	839.056	847.222	851.506	844.996	838.732
61.5	730.783	735.093	747.905	768.742	793.034	814.699	822.956	825.014	822.309	815.877
62.0	711.888	715.395	726.163	744.980	768.587	790.329	798.690	798.521	800.385	793.927
62.5	693.536	695.503	705.300	722.694	744.592	766.723	776.675	775.705	778.617	772.133
63.0	675.288	676.647	684.955	701.068	721.814	743.725	754.920	755.528	757.029	751.102
63.5	657.402	657.687	664.818	679.791	699.127	720.818	733.216	734.303	736.775	730.654
64.0	641.147	640.487	645.883	659.408	677.488	698.557	712.366	714.178	716.806	710.671
64.5	624.555	623.041	627.583	639.231	656.379	677.514	692.164	694.015	697.302	691.064
65.0	608.170	605.957	609.491	620.168	636.759	657.014	672.259	675.896	678.575	672.389
65.5	592.549	589.495	591.876	601.518	616.751	637.070	653.002	657.078	660.197	654.386
66.0	577.265	574.004	574.897	583.283	597.765	617.696	634.365	638.985	642.570	636.720
66.5	562.395	558.447	558.797	565.902	579.789	599.810	617.113	621.436	625.254	619.236
67.0	547.680	543.538	542.839	549.038	562.615	582.170	599.926	605.647	608.792	603.304
67.5	533.832	528.771	527.154	532.757	545.479	565.281	583.089	589.146	592.653	587.062
68.0	520.424	515.066	512.374	517.098	529.483	549.530	567.235	574.004	577.304	571.596

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68.5	506.899	501.399	498.383	502.137	514.017	533.922	552.416	558.434	562.317	556.842
69.0	493.970	488.366	484.341	487.538	499.393	518.767	537.572	544.366	548.055	542.438
69.5	481.481	475.321	470.532	473.108	484.548	504.505	523.116	529.936	534.090	528.202
70.0	469.406	463.129	457.590	459.622	470.946	491.136	509.514	516.852	520.139	514.432
70.5	457.513	451.106	445.490	446.965	458.121	477.793	496.507	503.068	506.912	501.334
71.0	446.007	439.976	433.635	434.282	445.580	465.097	483.772	490.748	494.410	488.586
71.5	434.903	428.937	421.935	422.052	433.091	452.789	471.412	478.297	482.297	475.748
72.0	423.850	417.729	410.572	410.300	421.262	441.076	459.143	466.352	469.924	463.647
72.5	412.979	407.013	400.167	399.403	410.080	429.416	447.418	454.057	457.927	451.326
73.0	402.470	397.151	389.528	388.622	399.144	418.415	435.757	442.733	446.460	439.459
73.5	392.583	387.354	379.861	378.398	388.687	407.440	424.588	431.111	435.019	427.526
74.0	382.216	377.648	370.076	368.523	378.786	396.983	413.600	420.007	423.721	416.085
74.5	371.397	367.734	360.836	358.882	368.769	386.616	402.250	408.864	412.591	404.606
75.0	361.457	358.170	351.285	349.460	359.063	376.043	391.172	397.811	401.681	393.165
75.5	350.948	348.282	342.135	340.310	349.615	366.142	380.171	386.422	390.745	381.776
76.0	340.310	338.278	333.127	331.613	340.608	355.996	369.533	375.629	379.679	370.517
76.5	329.477	328.222	324.068	322.773	331.561	345.940	358.597	364.731	368.575	358.946
77.0	319.163	317.856	314.271	314.012	322.256	335.754	347.415	353.524	357.445	347.544
77.5	308.537	307.670	304.849	305.302	313.326	325.672	336.712	342.536	346.315	336.259
78.0	297.705	297.109	295.065	296.669	304.292	315.409	325.815	331.328	334.939	325.064
78.5	286.717	286.652	284.996	287.545	295.246	305.043	314.995	323.550	323.330	316.354
79.0	276.079	275.665	274.357	277.878	285.798	294.430	303.749	312.239	311.527	305.664
79.5	264.962	264.910	264.457	268.262	276.208	284.103	297.575	297.097	299.465	293.395
80.0	254.168	254.039	254.155	258.503	266.722	273.646	286.096	285.073	287.079	280.608
80.5	242.844	242.870	243.115	248.215	256.886	262.684	274.306	272.843	274.785	269.944
81.0	231.468	231.558	231.882	237.848	246.325	251.748	262.723	262.774	261.985	260.121
81.5	219.768	219.820	221.062	227.016	235.493	240.644	250.881	251.748	249.146	247.257
82.0	208.159	208.081	209.699	216.028	224.065	229.488	236.191	236.321	235.700	233.111
82.5	195.955	196.084	197.896	204.277	212.003	217.879	225.372	223.029	221.968	220.350
83.0	184.035	184.359	185.925	192.888	199.876	205.933	210.851	209.958	208.237	207.577
83.5	171.702	172.180	174.096	180.839	187.814	193.988	198.349	197.016	194.505	194.816
84.0	159.174	159.445	161.801	168.544	175.131	181.499	186.145	184.669	180.761	182.029
84.5	146.465	146.827	149.001	155.330	161.581	169.501	173.979	171.417	166.784	168.039
85.0	133.600	134.170	136.072	142.051	147.448	154.424	163.561	157.025	152.094	154.049
85.5	119.869	121.034	122.807	128.229	133.639	139.554	149.920	141.805	137.832	140.019
86.0	106.759	107.328	109.088	114.433	119.261	125.175	134.338	127.233	122.755	124.916
86.5	93.687	94.101	95.279	99.692	104.649	110.525	118.173	112.738	108.221	108.816
87.0	80.680	81.056	82.013	84.925	89.429	95.486	102.151	98.087	93.118	95.240
87.5	67.674	68.023	68.774	71.116	75.077	79.787	85.948	84.770	78.040	81.716
88.0	54.680	54.978	55.534	57.294	60.737	64.063	68.774	67.544	62.160	65.655
88.5	41.673	41.945	42.294	43.485	46.397	48.338	51.548	50.034	50.047	49.594
89.0	28.667	28.912	29.055	29.676	32.057	32.614	34.322	32.523	37.933	33.533
89.5	17.381	17.821	17.679	17.536	17.705	16.889	17.096	15.000	25.819	17.472
90.0	8.205	8.373	8.141	7.636	6.730	5.190	3.572	12.114	13.706	1.941
90.5	5.927	6.238	5.979	5.617	5.267	4.038	2.472	9.474	1.928	2.006
91.0	4.051	4.258	4.154	4.051	3.921	3.171	2.174	6.833	1.838	2.032
91.5	2.174	2.278	2.330	2.485	2.575	2.304	1.864	4.193	1.799	2.019
92.0	0.311	0.311	0.505	0.919	1.229	1.437	1.566	1.553	1.799	2.071
92.5	0.207	0.285	0.453	0.854	1.204	1.346	1.605	1.657	1.812	2.045
93.0	0.220	0.311	0.479	0.880	1.204	1.398	1.566	1.579	1.838	2.097
93.5	0.233	0.324	0.479	0.880	1.191	1.372	1.631	1.670	1.864	2.148
94.0	0.246	0.336	0.479	0.854	1.268	1.450	1.708	1.838	1.877	2.174
94.5	0.272	0.349	0.479	0.867	1.178	1.501	1.721	1.928	1.902	2.226
95.0	0.272	0.349	0.479	0.867	1.217	1.553	1.747	1.915	1.928	2.304
95.5	0.272	0.349	0.492	0.841	1.242	1.514	1.799	1.890	1.954	2.381
96.0	0.285	0.362	0.479	0.867	1.307	1.488	1.825	1.838	1.980	2.524

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96.5	0.298	0.362	0.466	0.880	1.307	1.488	1.877	1.864	2.006	2.653
97.0	0.298	0.375	0.466	0.919	1.281	1.527	1.915	1.915	2.019	2.757
97.5	0.298	0.375	0.492	0.932	1.255	1.566	1.928	1.902	2.019	2.834
98.0	0.298	0.375	0.505	0.906	1.217	1.592	1.915	1.825	2.006	2.912
98.5	0.298	0.375	0.518	0.893	1.191	1.592	1.902	1.760	2.006	2.938
99.0	0.298	0.362	0.518	0.880	1.191	1.618	1.902	1.734	2.006	2.925
99.5	0.298	0.362	0.505	0.854	1.191	1.644	1.877	1.734	2.006	2.860
100.0	0.298	0.362	0.492	0.841	1.217	1.618	1.838	1.734	2.019	2.821
100.5	0.298	0.362	0.492	0.828	1.242	1.618	1.812	1.734	2.019	2.795
101.0	0.298	0.362	0.492	0.828	1.255	1.631	1.773	1.721	2.032	2.757
101.5	0.298	0.362	0.492	0.828	1.255	1.657	1.773	1.721	2.045	2.718
102.0	0.298	0.375	0.492	0.841	1.268	1.618	1.799	1.721	2.058	2.640
102.5	0.311	0.375	0.505	0.841	1.281	1.566	1.799	1.721	2.058	2.575
103.0	0.311	0.388	0.505	0.867	1.281	1.527	1.773	1.695	2.058	2.485
103.5	0.311	0.388	0.518	0.867	1.281	1.514	1.773	1.682	2.058	2.446
104.0	0.324	0.388	0.518	0.867	1.268	1.488	1.747	1.708	2.084	2.381
104.5	0.324	0.401	0.518	0.867	1.268	1.475	1.747	1.708	2.084	2.330
105.0	0.336	0.401	0.518	0.880	1.281	1.462	1.747	1.682	2.110	2.304
105.5	0.336	0.401	0.531	0.880	1.281	1.462	1.747	1.657	2.122	2.265
106.0	0.349	0.414	0.531	0.867	1.242	1.424	1.760	1.644	2.110	2.213
106.5	0.349	0.414	0.544	0.867	1.178	1.385	1.747	1.605	2.084	2.187
107.0	0.349	0.427	0.544	0.867	1.139	1.346	1.760	1.579	2.071	2.174
107.5	0.362	0.427	0.544	0.854	1.139	1.320	1.773	1.566	2.045	2.148
108.0	0.375	0.427	0.557	0.854	1.139	1.294	1.786	1.553	2.019	2.097
108.5	0.375	0.440	0.557	0.854	1.139	1.281	1.799	1.540	1.980	2.058
109.0	0.375	0.440	0.557	0.841	1.139	1.268	1.786	1.540	1.954	2.032
109.5	0.375	0.453	0.557	0.854	1.139	1.255	1.786	1.527	1.915	2.032
110.0	0.388	0.453	0.557	0.854	1.126	1.242	1.786	1.501	1.890	2.019
110.5	0.401	0.466	0.569	0.854	1.113	1.229	1.708	1.488	1.864	2.006
111.0	0.414	0.466	0.582	0.880	1.100	1.217	1.657	1.437	1.838	1.993
111.5	0.414	0.466	0.582	0.893	1.087	1.217	1.631	1.424	1.825	1.980
112.0	0.427	0.479	0.608	0.906	1.074	1.229	1.566	1.411	1.799	1.928
112.5	0.440	0.479	0.608	0.906	1.074	1.217	1.540	1.424	1.773	1.877
113.0	0.453	0.492	0.634	0.893	1.074	1.229	1.501	1.398	1.760	1.851
113.5	0.453	0.505	0.647	0.880	1.087	1.217	1.462	1.398	1.721	1.812
114.0	0.466	0.505	0.660	0.880	1.100	1.217	1.437	1.411	1.695	1.825
114.5	0.479	0.518	0.660	0.867	1.087	1.229	1.424	1.424	1.682	1.786
115.0	0.492	0.531	0.660	0.880	1.100	1.229	1.398	1.411	1.670	1.773
115.5	0.505	0.531	0.660	0.880	1.100	1.229	1.398	1.411	1.644	1.747
116.0	0.518	0.544	0.660	0.880	1.087	1.229	1.372	1.424	1.618	1.708
116.5	0.518	0.544	0.660	0.893	1.087	1.229	1.385	1.411	1.605	1.734
117.0	0.531	0.557	0.673	0.919	1.087	1.242	1.385	1.424	1.618	1.708
117.5	0.544	0.569	0.686	0.919	1.100	1.242	1.385	1.424	1.605	1.670
118.0	0.557	0.582	0.699	0.945	1.100	1.229	1.398	1.411	1.566	1.670
118.5	0.569	0.595	0.712	0.945	1.100	1.229	1.372	1.424	1.579	1.631
119.0	0.569	0.621	0.725	0.932	1.113	1.229	1.359	1.411	1.579	1.618
119.5	0.582	0.634	0.738	0.932	1.113	1.229	1.359	1.411	1.540	1.618
120.0	0.595	0.660	0.738	0.932	1.126	1.229	1.372	1.398	1.514	1.592
120.5	0.608	0.660	0.751	0.932	1.126	1.242	1.372	1.385	1.540	1.566
121.0	0.621	0.673	0.751	0.932	1.126	1.242	1.372	1.372	1.501	1.579
121.5	0.634	0.686	0.751	0.945	1.139	1.242	1.359	1.385	1.475	1.553
122.0	0.634	0.699	0.764	0.958	1.139	1.255	1.359	1.385	1.475	1.566
122.5	0.647	0.712	0.777	0.971	1.152	1.255	1.346	1.385	1.475	1.553
123.0	0.660	0.725	0.789	0.984	1.152	1.268	1.346	1.372	1.462	1.540
123.5	0.673	0.725	0.802	0.984	1.152	1.268	1.333	1.385	1.437	1.514
124.0	0.686	0.738	0.815	0.984	1.152	1.268	1.333	1.398	1.450	1.514

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124.5	0.699	0.751	0.828	0.997	1.139	1.268	1.333	1.411	1.437	1.501
125.0	0.699	0.764	0.828	0.984	1.152	1.255	1.333	1.411	1.411	1.501
125.5	0.712	0.777	0.828	1.009	1.152	1.268	1.320	1.411	1.398	1.488
126.0	0.725	0.815	0.841	0.997	1.165	1.281	1.333	1.385	1.398	1.475
126.5	0.738	0.854	0.854	1.009	1.152	1.281	1.333	1.398	1.398	1.450
127.0	0.738	0.828	0.867	1.009	1.165	1.294	1.346	1.385	1.372	1.450
127.5	0.751	0.841	0.867	1.009	1.165	1.294	1.346	1.398	1.346	1.424
128.0	0.751	0.841	0.880	1.009	1.178	1.307	1.320	1.372	1.372	1.411
128.5	0.764	0.841	0.893	1.009	1.178	1.307	1.333	1.372	1.333	1.437
129.0	0.777	0.841	0.906	1.009	1.178	1.320	1.346	1.372	1.320	1.411
129.5	0.789	0.854	0.906	0.997	1.178	1.294	1.346	1.385	1.333	1.411
130.0	0.802	0.867	0.906	0.997	1.165	1.294	1.346	1.411	1.333	1.437
130.5	0.815	0.880	0.906	0.997	1.165	1.294	1.359	1.411	1.320	1.398
131.0	0.828	0.893	0.906	1.009	1.165	1.294	1.333	1.411	1.307	1.385
131.5	0.841	0.893	0.906	1.009	1.165	1.307	1.359	1.411	1.307	1.398
132.0	0.867	0.893	0.919	1.009	1.165	1.346	1.372	1.411	1.307	1.372
132.5	0.867	0.906	0.906	1.022	1.165	1.333	1.359	1.411	1.294	1.359
133.0	0.867	0.906	0.906	1.035	1.152	1.346	1.346	1.398	1.268	1.346
133.5	0.880	0.906	0.919	1.035	1.139	1.346	1.346	1.385	1.281	1.346
134.0	0.880	0.919	0.919	1.022	1.152	1.320	1.320	1.411	1.281	1.307
134.5	0.880	0.919	0.932	1.022	1.152	1.294	1.333	1.411	1.268	1.307
135.0	0.880	0.932	0.945	1.022	1.139	1.281	1.320	1.424	1.268	1.320
135.5	0.880	0.932	0.958	1.022	1.139	1.281	1.320	1.398	1.294	1.307
136.0	0.880	0.945	0.984	1.022	1.139	1.268	1.307	1.411	1.294	1.281
136.5	0.893	0.958	0.997	1.035	1.126	1.281	1.307	1.385	1.281	1.281
137.0	0.893	0.958	1.009	1.035	1.126	1.281	1.307	1.398	1.268	1.307
137.5	0.893	0.958	1.009	1.035	1.126	1.255	1.294	1.398	1.268	1.281
138.0	0.906	0.958	1.022	1.022	1.113	1.242	1.294	1.385	1.281	1.281
138.5	0.919	0.971	1.022	1.048	1.126	1.242	1.294	1.398	1.268	1.255
139.0	0.919	0.971	1.022	1.048	1.126	1.242	1.294	1.359	1.268	1.268
139.5	0.919	0.971	1.022	1.048	1.100	1.229	1.307	1.359	1.255	1.307
140.0	0.932	0.984	1.022	1.061	1.074	1.217	1.294	1.346	1.255	1.307
140.5	0.932	0.984	1.022	1.061	1.074	1.204	1.281	1.333	1.268	1.294
141.0	0.932	0.984	1.022	1.061	1.074	1.217	1.281	1.346	1.255	1.294
141.5	0.932	0.984	1.022	1.035	1.087	1.191	1.268	1.346	1.255	1.281
142.0	0.932	0.984	1.009	1.035	1.100	1.204	1.255	1.346	1.255	1.281
142.5	0.945	0.984	1.009	1.035	1.100	1.204	1.255	1.320	1.242	1.281
143.0	0.945	0.984	1.022	1.035	1.100	1.178	1.229	1.294	1.229	1.281
143.5	0.958	0.984	1.022	1.035	1.100	1.139	1.229	1.281	1.204	1.268
144.0	0.958	0.984	1.035	1.048	1.126	1.126	1.217	1.281	1.191	1.242
144.5	0.958	0.984	1.035	1.074	1.126	1.139	1.204	1.268	1.191	1.229
145.0	0.958	0.984	1.035	1.113	1.126	1.152	1.229	1.242	1.191	1.204
145.5	0.945	0.997	1.048	1.126	1.139	1.152	1.229	1.191	1.178	1.191
146.0	0.945	0.997	1.061	1.126	1.139	1.165	1.178	1.191	1.126	1.191
146.5	0.958	0.997	1.074	1.139	1.139	1.178	1.191	1.191	1.139	1.178
147.0	0.958	0.997	1.074	1.139	1.139	1.191	1.191	1.165	1.139	1.139
147.5	0.971	1.009	1.074	1.165	1.139	1.204	1.204	1.126	1.087	1.126
148.0	0.971	1.022	1.087	1.178	1.126	1.229	1.217	1.126	1.048	1.126
148.5	0.971	1.022	1.100	1.165	1.126	1.229	1.242	1.126	1.061	1.126
149.0	0.984	1.022	1.100	1.165	1.139	1.217	1.229	1.139	1.074	1.139
149.5	0.984	1.035	1.100	1.204	1.152	1.229	1.242	1.191	1.074	1.178
150.0	0.984	1.048	1.100	1.242	1.191	1.217	1.294	1.217	1.126	1.178
150.5	0.997	1.048	1.100	1.217	1.217	1.191	1.307	1.229	1.139	1.165
151.0	1.022	1.061	1.087	1.191	1.229	1.191	1.320	1.268	1.139	1.191
151.5	1.035	1.074	1.087	1.178	1.229	1.191	1.307	1.281	1.191	1.191
152.0	1.035	1.074	1.087	1.178	1.229	1.191	1.307	1.294	1.204	1.191

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CANDELA TABULATION - (Cont.)

152.5	1.048	1.074	1.087	1.178	1.229	1.204	1.307	1.294	1.204	1.178
153.0	1.048	1.087	1.087	1.178	1.229	1.229	1.294	1.294	1.204	1.178
153.5	1.035	1.113	1.100	1.178	1.217	1.255	1.281	1.281	1.191	1.178
154.0	1.035	1.113	1.113	1.191	1.217	1.268	1.281	1.281	1.191	1.165
154.5	1.048	1.113	1.126	1.191	1.242	1.281	1.281	1.281	1.191	1.152
155.0	1.048	1.113	1.126	1.204	1.255	1.294	1.307	1.281	1.178	1.152
155.5	1.048	1.139	1.139	1.191	1.242	1.320	1.333	1.294	1.178	1.152
156.0	1.061	1.139	1.152	1.191	1.229	1.333	1.333	1.320	1.191	1.165
156.5	1.074	1.139	1.152	1.191	1.229	1.320	1.346	1.359	1.217	1.204
157.0	1.074	1.139	1.165	1.191	1.229	1.307	1.346	1.372	1.255	1.229
157.5	1.087	1.139	1.191	1.204	1.242	1.294	1.359	1.385	1.268	1.255
158.0	1.087	1.139	1.191	1.217	1.255	1.294	1.359	1.398	1.268	1.268
158.5	1.087	1.139	1.191	1.217	1.268	1.281	1.372	1.398	1.268	1.268
159.0	1.087	1.152	1.191	1.217	1.268	1.294	1.398	1.398	1.268	1.255
159.5	1.087	1.165	1.191	1.217	1.268	1.294	1.398	1.398	1.268	1.255
160.0	1.087	1.152	1.191	1.229	1.255	1.307	1.385	1.411	1.268	1.242
160.5	1.087	1.152	1.204	1.229	1.268	1.320	1.359	1.424	1.255	1.242
161.0	1.087	1.139	1.191	1.229	1.281	1.333	1.346	1.424	1.255	1.229
161.5	1.074	1.152	1.191	1.242	1.294	1.333	1.346	1.437	1.255	1.229
162.0	1.074	1.152	1.204	1.255	1.294	1.333	1.359	1.437	1.255	1.229
162.5	1.087	1.165	1.217	1.255	1.307	1.346	1.385	1.424	1.255	1.242
163.0	1.087	1.178	1.229	1.268	1.320	1.359	1.398	1.437	1.255	1.242
163.5	1.087	1.178	1.242	1.281	1.333	1.372	1.411	1.450	1.268	1.255
164.0	1.087	1.178	1.255	1.294	1.346	1.385	1.424	1.437	1.268	1.255
164.5	1.100	1.191	1.268	1.320	1.359	1.398	1.437	1.437	1.268	1.268
165.0	1.113	1.217	1.281	1.333	1.385	1.411	1.450	1.450	1.281	1.281
165.5	1.139	1.229	1.307	1.346	1.411	1.424	1.450	1.450	1.294	1.294
166.0	1.152	1.242	1.320	1.359	1.411	1.424	1.450	1.462	1.307	1.307
166.5	1.165	1.255	1.346	1.372	1.411	1.437	1.450	1.475	1.320	1.320
167.0	1.178	1.268	1.346	1.385	1.424	1.450	1.462	1.475	1.320	1.320
167.5	1.191	1.268	1.359	1.411	1.437	1.450	1.475	1.501	1.333	1.346
168.0	1.204	1.268	1.359	1.411	1.437	1.462	1.488	1.514	1.359	1.359
168.5	1.204	1.268	1.359	1.398	1.437	1.475	1.488	1.527	1.372	1.372
169.0	1.204	1.281	1.359	1.398	1.437	1.475	1.488	1.527	1.385	1.372
169.5	1.204	1.294	1.359	1.398	1.437	1.475	1.488	1.527	1.385	1.385
170.0	1.204	1.294	1.359	1.398	1.437	1.462	1.488	1.527	1.398	1.385
170.5	1.191	1.294	1.359	1.398	1.424	1.450	1.475	1.514	1.411	1.411
171.0	1.191	1.281	1.359	1.398	1.437	1.437	1.475	1.514	1.437	1.424
171.5	1.191	1.281	1.359	1.398	1.450	1.437	1.475	1.501	1.450	1.437
172.0	1.217	1.281	1.359	1.398	1.450	1.437	1.488	1.501	1.450	1.450
172.5	1.229	1.294	1.372	1.424	1.437	1.437	1.501	1.501	1.450	1.450
173.0	1.242	1.307	1.385	1.450	1.437	1.450	1.501	1.514	1.462	1.462
173.5	1.268	1.320	1.398	1.450	1.437	1.450	1.514	1.527	1.462	1.462
174.0	1.281	1.333	1.424	1.437	1.424	1.462	1.514	1.527	1.475	1.475
174.5	1.307	1.333	1.424	1.437	1.424	1.462	1.514	1.527	1.475	1.475
175.0	1.307	1.333	1.424	1.437	1.424	1.462	1.514	1.527	1.462	1.475
175.5	1.294	1.333	1.424	1.437	1.437	1.462	1.501	1.514	1.462	1.462
176.0	1.294	1.346	1.424	1.437	1.437	1.462	1.488	1.501	1.462	1.462
176.5	1.294	1.346	1.424	1.437	1.437	1.462	1.488	1.501	1.462	1.462
177.0	1.294	1.346	1.437	1.437	1.437	1.450	1.475	1.501	1.462	1.462
177.5	1.307	1.346	1.437	1.437	1.424	1.437	1.462	1.488	1.462	1.462
178.0	1.307	1.346	1.424	1.424	1.411	1.424	1.450	1.475	1.462	1.462
178.5	1.320	1.346	1.424	1.411	1.398	1.411	1.437	1.475	1.462	1.462
179.0	1.333	1.359	1.424	1.398	1.385	1.398	1.424	1.462	1.462	1.462
179.5	1.346	1.359	1.424	1.398	1.372	1.372	1.411	1.450	1.462	1.462
180.0	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	200	210	220	230	240	250	260	270	280	290
0.0	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131
0.5	2743.251	2743.199	2743.497	2742.966	2743.199	2743.212	2743.484	2743.549	2743.807	2743.820
1.0	2742.034	2742.293	2742.267	2742.047	2741.970	2742.280	2742.241	2742.319	2742.876	2743.471
1.5	2741.400	2741.620	2741.038	2740.805	2740.727	2741.012	2740.792	2741.387	2741.620	2742.203
2.0	2740.158	2739.782	2739.770	2739.239	2739.433	2739.161	2739.252	2739.537	2740.080	2740.766
2.5	2738.915	2738.514	2738.191	2737.686	2737.323	2737.647	2737.725	2737.996	2738.812	2739.524
3.0	2737.336	2736.495	2736.055	2735.874	2735.796	2736.379	2736.469	2736.754	2737.091	2737.984
3.5	2735.175	2734.606	2734.023	2734.230	2734.321	2734.334	2734.903	2735.162	2735.525	2736.715
4.0	2732.858	2732.173	2731.577	2731.344	2731.564	2732.173	2732.457	2732.716	2733.674	2734.580
4.5	2730.400	2729.714	2729.416	2729.196	2728.795	2729.105	2729.985	2730.270	2730.917	2732.121
5.0	2728.238	2727.526	2726.918	2726.426	2725.999	2726.284	2727.151	2727.941	2728.406	2729.908
5.5	2725.430	2724.990	2723.838	2723.307	2722.841	2723.165	2723.734	2724.485	2725.287	2726.996
6.0	2722.660	2721.948	2721.327	2720.499	2719.153	2720.033	2719.955	2721.081	2722.207	2723.618
6.5	2719.852	2719.036	2718.118	2716.785	2715.672	2715.995	2715.969	2717.056	2718.726	2720.227
7.0	2716.655	2715.283	2714.429	2713.005	2712.552	2711.944	2711.944	2713.018	2714.403	2716.500
7.5	2712.980	2711.634	2710.417	2709.330	2709.136	2708.553	2707.945	2708.735	2710.702	2712.837
8.0	2709.537	2707.867	2705.771	2705.305	2704.205	2704.205	2703.830	2704.645	2706.353	2709.291
8.5	2705.176	2703.195	2701.694	2700.944	2699.507	2699.183	2698.873	2699.662	2701.707	2704.075
9.0	2700.516	2698.549	2697.346	2696.479	2694.835	2693.942	2693.864	2694.680	2697.333	2699.960
9.5	2695.883	2694.537	2692.674	2690.965	2689.309	2688.972	2688.584	2689.360	2692.052	2694.731
10.0	2690.939	2689.606	2687.445	2685.763	2684.054	2683.161	2683.317	2683.588	2686.539	2689.555
10.5	2686.617	2684.637	2682.488	2680.482	2678.204	2677.247	2677.195	2677.751	2680.948	2684.222
11.0	2681.725	2679.732	2676.975	2674.982	2672.652	2671.125	2671.047	2672.238	2675.383	2678.373
11.5	2676.380	2673.856	2671.280	2669.339	2666.130	2665.457	2664.486	2666.311	2669.132	2672.549
12.0	2671.073	2668.886	2665.198	2662.558	2659.723	2658.753	2658.248	2659.749	2662.441	2666.298
12.5	2665.534	2662.376	2659.270	2657.277	2653.188	2652.230	2651.427	2653.343	2655.595	2660.086
13.0	2659.089	2656.501	2652.553	2649.913	2646.380	2645.474	2644.827	2646.264	2648.800	2653.317
13.5	2653.226	2650.625	2646.069	2642.873	2639.676	2638.136	2638.097	2638.628	2642.070	2646.264
14.0	2646.755	2642.873	2638.951	2635.457	2632.196	2630.617	2629.711	2631.160	2634.279	2638.951
14.5	2639.909	2636.311	2631.523	2628.313	2624.456	2622.890	2621.777	2623.460	2626.889	2631.859
15.0	2632.791	2628.818	2623.990	2620.263	2616.626	2615.099	2614.025	2615.604	2619.396	2623.822
15.5	2625.543	2621.298	2616.173	2612.110	2608.512	2606.700	2605.626	2606.907	2610.686	2615.682
16.0	2618.425	2613.520	2608.382	2604.357	2600.734	2598.029	2597.006	2598.508	2601.691	2607.334
16.5	2610.699	2605.574	2600.074	2595.414	2591.778	2589.979	2588.141	2589.875	2593.124	2598.935
17.0	2602.998	2597.589	2591.752	2587.145	2583.068	2580.725	2579.405	2580.661	2584.543	2590.069
17.5	2594.949	2589.099	2583.016	2578.422	2573.504	2571.122	2570.178	2571.614	2575.484	2581.049
18.0	2586.821	2580.738	2574.293	2569.336	2563.965	2561.843	2560.600	2561.972	2565.583	2571.782
18.5	2577.839	2571.420	2564.664	2559.125	2553.948	2552.123	2550.920	2552.356	2556.291	2562.749
19.0	2569.065	2562.374	2555.346	2548.901	2543.685	2541.809	2540.320	2542.456	2546.028	2553.314
19.5	2559.785	2552.835	2546.080	2539.350	2533.306	2531.364	2530.187	2531.934	2535.817	2543.232
20.0	2550.493	2543.284	2536.166	2529.203	2523.340	2521.218	2519.730	2521.166	2525.321	2533.021
20.5	2540.877	2533.435	2525.709	2519.212	2512.832	2510.398	2509.273	2510.282	2515.083	2522.240
21.0	2530.627	2523.043	2514.721	2507.150	2501.883	2499.734	2498.272	2499.501	2504.238	2510.709
21.5	2520.894	2512.456	2504.135	2496.861	2490.998	2488.190	2487.349	2488.539	2492.966	2500.084
22.0	2509.984	2501.559	2493.354	2485.666	2480.037	2476.879	2475.701	2476.788	2481.486	2489.342
22.5	2498.569	2491.270	2482.094	2474.174	2468.091	2465.296	2464.416	2465.231	2470.343	2477.992
23.0	2488.099	2479.881	2470.705	2462.487	2456.314	2452.988	2452.043	2453.920	2458.579	2465.697
23.5	2476.918	2468.117	2458.941	2450.128	2443.657	2440.563	2439.606	2440.874	2445.908	2453.635
24.0	2466.007	2455.977	2446.853	2438.040	2431.478	2428.398	2427.078	2428.553	2433.458	2441.392
24.5	2453.117	2443.670	2434.248	2425.111	2418.355	2415.339	2413.864	2415.301	2420.788	2428.191
25.0	2441.042	2431.219	2420.879	2411.780	2404.300	2401.867	2400.379	2402.527	2407.095	2415.249
25.5	2428.126	2418.187	2407.639	2399.162	2391.086	2387.825	2386.259	2388.019	2393.196	2402.760
26.0	2415.068	2404.313	2394.037	2384.874	2377.782	2374.119	2372.501	2374.702	2379.594	2388.485

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CANDELA TABULATION - (Cont.)

26.5	2401.880	2391.216	2380.305	2371.181	2364.309	2360.090	2358.796	2360.595	2365.849	2374.197
27.0	2387.786	2377.652	2367.001	2357.036	2349.232	2345.259	2343.680	2345.233	2351.095	2359.831
27.5	2374.572	2363.403	2352.428	2343.149	2335.306	2330.543	2329.198	2330.246	2336.238	2346.268
28.0	2359.974	2348.895	2337.144	2327.916	2320.022	2316.320	2313.706	2315.350	2321.238	2330.440
28.5	2345.504	2333.831	2322.312	2312.606	2304.647	2300.324	2297.736	2299.366	2305.475	2315.039
29.0	2330.815	2318.533	2307.817	2297.011	2288.961	2283.732	2281.817	2283.318	2289.867	2299.146
29.5	2316.023	2303.055	2291.549	2281.273	2272.874	2267.387	2265.523	2266.506	2273.288	2283.163
30.0	2299.509	2287.149	2275.902	2264.759	2256.632	2252.024	2249.190	2250.212	2257.641	2267.205
30.5	2283.422	2271.062	2258.948	2248.155	2239.121	2234.786	2232.171	2233.686	2240.014	2249.824
31.0	2267.024	2254.703	2242.810	2231.757	2222.128	2216.861	2214.040	2215.864	2222.413	2232.883
31.5	2250.303	2237.296	2225.623	2214.609	2205.576	2199.092	2196.244	2198.703	2205.032	2215.489
32.0	2233.077	2219.993	2208.384	2196.257	2187.651	2181.866	2178.786	2179.963	2186.551	2197.357
32.5	2215.515	2202.159	2190.149	2177.944	2168.626	2162.996	2160.421	2161.637	2167.630	2179.484
33.0	2197.448	2184.622	2172.095	2160.149	2150.184	2143.622	2141.344	2141.810	2149.368	2160.059
33.5	2179.666	2166.245	2153.122	2141.357	2132.414	2124.377	2121.957	2122.967	2129.787	2141.668
34.0	2160.537	2146.392	2133.269	2121.931	2112.186	2105.417	2102.027	2102.674	2109.585	2122.138
34.5	2141.564	2127.962	2114.580	2102.247	2091.272	2083.934	2081.449	2081.837	2089.318	2101.237
35.0	2122.346	2107.902	2095.349	2082.821	2071.056	2062.308	2059.991	2060.793	2067.911	2081.048
35.5	2101.988	2088.476	2074.331	2062.126	2050.867	2041.885	2038.171	2039.141	2047.153	2060.030
36.0	2082.484	2067.679	2054.258	2041.575	2028.956	2020.751	2016.441	2017.179	2025.746	2039.219
36.5	2062.075	2047.864	2033.550	2019.858	2006.761	1997.714	1993.831	1993.586	2002.438	2016.687
37.0	2041.471	2026.212	2012.882	1998.801	1984.604	1973.888	1970.031	1970.639	1979.544	1995.281
37.5	2019.923	2004.431	1989.988	1975.984	1961.891	1950.515	1946.140	1946.723	1955.898	1972.024
38.0	1999.319	1982.520	1967.960	1953.569	1938.000	1925.718	1920.230	1920.890	1931.128	1948.819
38.5	1976.981	1961.891	1945.868	1930.480	1913.733	1900.908	1894.320	1895.058	1906.357	1924.475
39.0	1955.238	1938.699	1922.780	1906.046	1889.467	1876.098	1868.424	1869.226	1881.598	1900.118
39.5	1933.379	1915.545	1899.691	1881.611	1865.214	1851.288	1842.514	1843.381	1856.827	1875.762
40.0	1910.265	1892.379	1876.603	1857.177	1840.948	1826.466	1816.591	1817.497	1832.044	1851.418
40.5	1887.138	1869.226	1853.514	1832.924	1816.643	1799.236	1789.270	1789.930	1803.468	1826.996
41.0	1864.010	1846.073	1830.348	1811.569	1790.681	1772.083	1761.173	1762.079	1776.018	1800.569
41.5	1840.883	1822.868	1804.930	1784.792	1763.982	1744.426	1731.665	1732.960	1747.131	1773.352
42.0	1817.704	1799.041	1780.289	1760.086	1737.114	1716.251	1703.400	1703.892	1718.309	1745.746
42.5	1792.972	1775.086	1755.233	1734.539	1710.583	1687.857	1673.983	1673.724	1689.436	1717.662
43.0	1768.421	1749.331	1729.569	1708.603	1683.534	1659.514	1644.281	1644.410	1661.209	1690.665
43.5	1742.834	1723.564	1703.517	1681.217	1655.256	1630.291	1613.518	1613.945	1630.938	1661.856
44.0	1719.086	1697.667	1677.995	1655.282	1627.068	1600.925	1583.751	1582.599	1599.683	1632.750
44.5	1692.516	1672.689	1652.318	1628.298	1599.735	1570.499	1552.134	1551.526	1569.450	1603.268
45.0	1665.817	1645.925	1624.868	1600.757	1570.770	1539.930	1520.348	1519.870	1538.920	1573.877
45.5	1639.894	1619.963	1598.557	1573.242	1541.509	1509.736	1488.408	1487.760	1507.614	1543.838
46.0	1615.343	1594.260	1572.880	1546.841	1512.363	1478.649	1457.580	1455.884	1475.776	1514.317
46.5	1587.763	1567.186	1546.595	1519.067	1483.865	1447.161	1425.574	1424.604	1444.677	1483.347
47.0	1560.559	1540.240	1518.938	1490.427	1453.361	1415.570	1393.685	1392.184	1412.943	1452.209
47.5	1533.692	1513.839	1491.811	1461.838	1421.536	1383.772	1360.916	1359.557	1380.691	1420.540
48.0	1508.934	1487.592	1465.164	1434.038	1391.783	1352.387	1330.088	1328.108	1348.738	1390.268
48.5	1479.931	1460.065	1437.973	1404.893	1361.757	1321.896	1298.898	1298.238	1318.181	1358.612
49.0	1453.011	1433.378	1410.846	1375.955	1330.942	1290.744	1269.235	1268.303	1287.664	1328.419
49.5	1425.988	1407.067	1383.655	1346.266	1300.011	1259.761	1238.705	1237.902	1257.328	1297.267
50.0	1398.435	1380.342	1355.726	1317.599	1269.571	1229.995	1209.766	1208.563	1227.096	1266.258
50.5	1371.166	1352.853	1328.069	1288.001	1239.455	1201.574	1181.216	1180.155	1198.235	1235.857
51.0	1343.871	1325.416	1299.416	1257.600	1209.029	1172.260	1153.249	1152.252	1169.271	1206.414
51.5	1317.133	1298.833	1272.613	1227.859	1179.379	1143.516	1125.540	1125.035	1141.575	1177.411
52.0	1289.580	1271.823	1243.907	1199.037	1150.906	1115.587	1098.776	1098.504	1113.905	1148.848
52.5	1262.751	1244.619	1215.435	1169.336	1122.628	1089.807	1073.008	1072.620	1087.866	1120.363
53.0	1235.379	1217.312	1186.665	1139.672	1093.599	1062.331	1047.060	1047.292	1061.205	1092.939
53.5	1208.964	1190.353	1159.073	1111.109	1065.735	1035.554	1020.904	1021.357	1035.399	1065.722
54.0	1182.239	1162.839	1129.979	1083.051	1039.243	1010.227	996.159	996.948	1010.913	1039.048

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54.5	1155.151	1135.492	1101.416	1053.854	1012.673	985.934	972.229	972.863	985.481	1013.164
55.0	1128.128	1109.078	1073.617	1025.861	986.038	960.361	948.636	949.166	961.293	988.885
55.5	1102.011	1082.081	1045.571	999.588	960.840	935.681	924.939	925.249	937.221	966.004
56.0	1076.179	1055.058	1017.862	973.614	936.962	912.838	902.523	903.623	914.391	938.450
56.5	1049.337	1027.711	990.283	946.384	911.337	890.410	880.082	881.052	892.118	914.404
57.0	1023.039	1001.620	963.571	920.008	886.889	866.803	858.029	859.064	870.492	890.733
57.5	997.246	974.481	936.962	895.573	863.671	843.689	836.830	837.347	847.701	867.748
58.0	971.310	948.105	910.133	871.255	841.308	823.163	816.058	817.520	826.243	845.229
58.5	945.957	922.506	884.767	846.782	818.361	802.508	795.765	797.499	805.898	823.836
59.0	921.406	897.088	860.164	823.512	796.412	781.218	775.873	777.724	785.579	802.249
59.5	896.958	871.747	835.768	801.045	775.329	760.705	756.913	758.492	765.700	781.360
60.0	872.252	847.300	811.282	778.008	754.997	741.835	737.810	739.868	746.637	760.770
60.5	847.817	822.477	787.275	756.046	733.565	722.617	719.446	721.400	727.729	740.774
61.0	824.755	798.961	764.976	734.873	713.907	703.294	701.055	703.398	709.273	721.271
61.5	802.158	775.588	743.013	714.735	694.921	685.162	683.803	685.991	691.672	702.867
62.0	779.613	753.082	721.633	694.131	676.349	668.079	666.591	669.075	674.511	684.179
62.5	757.612	730.692	700.317	674.343	657.104	650.245	649.934	652.160	656.742	665.931
63.0	736.193	709.907	680.024	655.111	639.309	632.799	633.058	635.258	640.292	648.122
63.5	715.537	689.226	660.029	637.083	622.174	616.466	616.725	619.106	623.856	631.091
64.0	695.283	668.325	640.603	617.980	604.831	600.586	600.677	603.382	607.756	614.111
64.5	675.831	649.210	621.967	600.483	587.839	584.538	585.509	587.851	591.747	597.843
65.0	657.285	630.884	604.262	583.464	572.049	568.762	569.901	572.748	576.747	582.105
65.5	638.701	612.610	586.428	567.287	556.532	553.646	555.212	557.632	561.540	566.329
66.0	620.763	594.814	569.008	550.281	540.833	539.487	540.743	543.189	546.761	550.928
66.5	603.938	577.964	552.597	534.530	525.471	524.630	526.273	529.418	532.382	536.148
67.0	587.813	561.838	537.313	519.375	511.222	510.601	512.529	515.519	518.832	521.912
67.5	571.376	545.751	521.084	504.712	497.206	496.986	499.199	501.981	504.932	507.753
68.0	556.105	530.570	506.097	489.829	483.228	484.277	486.218	488.819	491.537	493.763
68.5	541.558	516.256	491.990	476.097	469.717	471.179	473.664	476.602	478.970	480.795
69.0	527.399	501.865	478.375	462.586	457.124	458.639	460.955	463.997	466.598	467.957
69.5	513.202	487.745	464.022	449.320	444.506	446.214	448.777	451.689	454.018	455.300
70.0	499.691	474.505	451.055	436.042	432.030	434.709	436.948	439.394	441.633	442.953
70.5	486.632	461.900	438.604	424.161	420.317	422.867	425.572	428.199	430.101	430.969
71.0	473.949	449.463	426.581	412.436	409.200	411.698	414.170	416.784	418.751	419.748
71.5	461.382	436.961	414.390	400.840	398.199	400.865	402.923	405.563	407.414	408.566
72.0	449.269	425.248	403.260	389.632	387.445	390.214	392.207	394.640	396.232	397.552
72.5	437.142	413.898	392.013	379.097	377.026	379.356	381.349	383.756	385.270	386.720
73.0	425.235	402.457	381.297	368.653	366.660	368.963	370.555	372.652	374.632	375.965
73.5	413.419	391.198	370.478	358.468	356.449	358.558	359.891	361.871	363.890	365.495
74.0	401.979	380.404	360.525	348.515	346.496	348.360	349.434	351.220	352.993	355.154
74.5	390.680	369.805	350.625	339.029	336.608	337.605	338.653	340.297	342.264	344.904
75.0	379.006	359.024	340.672	329.516	326.514	327.368	327.782	329.050	331.302	334.214
75.5	367.617	348.373	330.603	319.564	316.380	316.471	316.937	318.101	320.237	323.317
76.0	356.306	337.851	321.169	310.090	305.897	305.509	305.858	306.971	309.120	312.433
76.5	344.865	327.277	311.540	300.306	295.776	294.560	294.806	295.906	298.041	301.704
77.0	333.476	316.406	301.626	290.457	285.035	283.922	283.779	284.828	287.041	290.820
77.5	321.932	305.716	291.493	280.388	273.930	272.610	272.649	273.452	275.665	279.327
78.0	310.712	295.078	281.799	270.203	263.331	261.403	261.428	261.998	264.392	268.081
78.5	300.591	284.103	271.588	259.862	252.822	250.389	250.026	250.881	253.262	257.002
79.0	287.662	272.804	260.820	249.043	241.433	239.052	238.702	239.466	241.873	246.027
79.5	276.208	261.752	250.065	238.003	229.953	227.287	226.899	227.676	230.109	233.940
80.0	264.496	250.518	238.948	226.459	218.461	215.523	215.096	215.898	218.280	221.968
80.5	252.900	239.039	226.834	214.928	206.956	203.759	203.293	204.121	206.451	210.010
81.0	241.420	226.783	214.721	203.396	195.463	191.982	191.503	192.344	194.622	198.038
81.5	229.915	214.527	202.607	191.852	183.958	180.191	179.700	180.554	182.780	186.067
82.0	217.594	202.271	190.493	180.295	171.831	167.974	167.521	168.479	170.498	174.096

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82.5	205.273	190.014	178.354	167.573	159.471	155.912	155.162	155.912	158.164	161.439
83.0	192.952	177.745	165.114	154.735	146.503	143.139	142.414	143.164	145.442	149.325
83.5	180.619	165.049	151.965	141.378	134.040	130.468	129.562	130.507	132.371	135.839
84.0	167.845	151.551	138.777	128.307	121.344	118.212	116.957	117.992	119.921	123.156
84.5	154.657	138.117	124.955	114.744	108.325	105.426	104.209	105.309	107.250	110.460
85.0	140.214	124.088	110.512	101.129	94.761	92.419	91.280	92.108	94.386	97.829
85.5	125.926	110.318	96.638	87.229	81.897	79.813	78.765	79.710	81.793	84.524
86.0	110.991	95.667	82.544	73.575	68.994	67.531	66.405	67.713	69.253	72.436
86.5	95.758	81.250	68.373	60.284	56.324	55.042	53.994	55.456	56.932	60.090
87.0	80.667	66.289	54.706	50.370	45.866	44.766	44.029	45.206	46.539	48.261
87.5	65.215	53.295	44.042	40.457	35.409	34.490	34.050	34.969	36.134	38.839
88.0	52.350	40.288	33.377	30.543	24.952	24.202	24.085	24.732	25.742	29.430
88.5	39.499	27.295	22.713	20.642	14.495	13.926	14.120	14.482	15.336	20.021
89.0	26.635	14.301	12.049	10.729	4.271	4.025	4.180	4.349	5.203	10.599
89.5	13.770	2.122	1.501	1.139	0.932	0.699	0.764	0.815	1.178	1.372
90.0	1.682	1.644	1.255	0.958	0.660	0.479	0.453	0.453	0.453	0.518
90.5	1.605	1.682	1.294	0.984	0.673	0.492	0.453	0.453	0.466	0.531
91.0	1.579	1.695	1.307	0.997	0.686	0.505	0.466	0.479	0.479	0.557
91.5	1.579	1.670	1.307	0.997	0.686	0.518	0.492	0.505	0.518	0.595
92.0	1.631	1.644	1.307	1.009	0.712	0.544	0.505	0.518	0.531	0.621
92.5	1.644	1.734	1.398	1.022	0.738	0.569	0.531	0.544	0.557	0.647
93.0	1.773	1.682	1.385	1.061	0.751	0.582	0.544	0.544	0.557	0.647
93.5	1.825	1.760	1.333	1.035	0.777	0.595	0.544	0.544	0.557	0.647
94.0	1.941	1.812	1.385	1.035	0.764	0.595	0.544	0.544	0.557	0.660
94.5	2.019	1.812	1.437	1.061	0.764	0.595	0.557	0.557	0.569	0.660
95.0	2.058	1.799	1.488	1.087	0.777	0.608	0.557	0.557	0.569	0.673
95.5	2.084	1.799	1.462	1.113	0.789	0.608	0.569	0.569	0.582	0.660
96.0	2.084	1.825	1.450	1.113	0.802	0.608	0.569	0.582	0.582	0.660
96.5	2.110	1.864	1.437	1.100	0.815	0.621	0.582	0.582	0.595	0.673
97.0	2.148	1.928	1.411	1.087	0.815	0.634	0.582	0.582	0.595	0.673
97.5	2.135	1.980	1.398	1.074	0.828	0.634	0.595	0.595	0.608	0.673
98.0	2.135	1.941	1.411	1.061	0.828	0.647	0.595	0.595	0.608	0.686
98.5	2.122	1.941	1.450	1.061	0.828	0.647	0.608	0.608	0.621	0.686
99.0	2.097	1.941	1.488	1.061	0.828	0.660	0.621	0.621	0.621	0.699
99.5	2.058	1.928	1.514	1.061	0.841	0.660	0.621	0.621	0.634	0.699
100.0	2.045	1.915	1.540	1.087	0.841	0.673	0.634	0.634	0.634	0.699
100.5	2.032	1.902	1.527	1.100	0.841	0.686	0.634	0.634	0.647	0.712
101.0	2.019	1.928	1.514	1.126	0.854	0.699	0.647	0.647	0.647	0.725
101.5	2.032	1.967	1.488	1.139	0.867	0.699	0.660	0.660	0.660	0.725
102.0	2.019	1.967	1.475	1.139	0.880	0.712	0.660	0.660	0.673	0.738
102.5	2.006	1.915	1.475	1.126	0.906	0.725	0.673	0.673	0.686	0.764
103.0	1.980	1.864	1.488	1.126	0.919	0.738	0.699	0.699	0.699	0.777
103.5	1.954	1.851	1.501	1.126	0.919	0.764	0.712	0.712	0.712	0.789
104.0	1.928	1.838	1.514	1.126	0.932	0.777	0.725	0.725	0.725	0.802
104.5	1.902	1.838	1.527	1.126	0.932	0.777	0.738	0.738	0.738	0.802
105.0	1.877	1.812	1.527	1.139	0.932	0.789	0.751	0.751	0.751	0.802
105.5	1.864	1.812	1.501	1.139	0.932	0.789	0.751	0.751	0.751	0.815
106.0	1.864	1.812	1.462	1.139	0.945	0.789	0.751	0.764	0.751	0.815
106.5	1.864	1.799	1.424	1.139	0.945	0.789	0.751	0.764	0.751	0.815
107.0	1.864	1.747	1.398	1.126	0.945	0.789	0.764	0.764	0.751	0.815
107.5	1.877	1.708	1.385	1.126	0.932	0.777	0.764	0.764	0.751	0.815
108.0	1.877	1.670	1.385	1.113	0.932	0.777	0.764	0.764	0.751	0.815
108.5	1.851	1.644	1.398	1.100	0.932	0.777	0.751	0.764	0.751	0.802
109.0	1.838	1.605	1.398	1.087	0.932	0.777	0.751	0.751	0.751	0.802
109.5	1.812	1.579	1.385	1.087	0.919	0.777	0.751	0.751	0.751	0.802
110.0	1.773	1.566	1.372	1.074	0.919	0.777	0.751	0.751	0.751	0.789

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110.5	1.747	1.553	1.346	1.061	0.919	0.777	0.751	0.751	0.738	0.789
111.0	1.734	1.527	1.320	1.061	0.906	0.777	0.738	0.738	0.738	0.777
111.5	1.682	1.488	1.307	1.061	0.893	0.764	0.738	0.738	0.738	0.777
112.0	1.644	1.475	1.281	1.061	0.880	0.764	0.725	0.738	0.725	0.764
112.5	1.605	1.450	1.255	1.035	0.880	0.764	0.725	0.725	0.725	0.764
113.0	1.592	1.424	1.229	1.022	0.867	0.751	0.712	0.725	0.725	0.764
113.5	1.540	1.424	1.217	1.009	0.854	0.751	0.712	0.712	0.712	0.751
114.0	1.514	1.398	1.191	0.997	0.854	0.738	0.699	0.712	0.712	0.751
114.5	1.488	1.372	1.191	0.971	0.854	0.738	0.699	0.699	0.699	0.738
115.0	1.475	1.359	1.178	0.958	0.828	0.738	0.699	0.699	0.699	0.725
115.5	1.450	1.346	1.165	0.945	0.815	0.725	0.686	0.686	0.686	0.725
116.0	1.437	1.307	1.139	0.932	0.802	0.725	0.686	0.686	0.686	0.712
116.5	1.437	1.294	1.126	0.919	0.789	0.712	0.686	0.673	0.686	0.699
117.0	1.424	1.268	1.100	0.906	0.789	0.712	0.673	0.673	0.673	0.699
117.5	1.398	1.255	1.100	0.893	0.777	0.699	0.673	0.660	0.673	0.699
118.0	1.385	1.242	1.087	0.880	0.764	0.699	0.660	0.660	0.660	0.699
118.5	1.385	1.229	1.087	0.880	0.764	0.686	0.660	0.647	0.660	0.686
119.0	1.372	1.229	1.074	0.867	0.751	0.673	0.647	0.647	0.647	0.686
119.5	1.385	1.217	1.074	0.841	0.751	0.673	0.647	0.634	0.647	0.673
120.0	1.385	1.229	1.074	0.841	0.738	0.660	0.634	0.634	0.634	0.673
120.5	1.372	1.242	1.061	0.828	0.725	0.660	0.634	0.621	0.634	0.673
121.0	1.359	1.242	1.061	0.815	0.725	0.660	0.621	0.608	0.621	0.673
121.5	1.359	1.242	1.048	0.815	0.712	0.647	0.621	0.608	0.621	0.673
122.0	1.359	1.229	1.061	0.828	0.712	0.647	0.608	0.608	0.621	0.673
122.5	1.359	1.229	1.048	0.828	0.712	0.647	0.608	0.595	0.621	0.673
123.0	1.346	1.229	1.048	0.828	0.712	0.660	0.608	0.595	0.608	0.673
123.5	1.346	1.229	1.035	0.828	0.712	0.647	0.621	0.595	0.608	0.673
124.0	1.333	1.229	1.035	0.828	0.712	0.660	0.621	0.595	0.621	0.673
124.5	1.333	1.242	1.035	0.828	0.712	0.660	0.621	0.608	0.621	0.673
125.0	1.333	1.242	1.048	0.854	0.725	0.660	0.634	0.621	0.621	0.686
125.5	1.346	1.255	1.061	0.841	0.725	0.673	0.634	0.621	0.621	0.686
126.0	1.333	1.242	1.074	0.841	0.738	0.673	0.647	0.634	0.634	0.712
126.5	1.346	1.255	1.087	0.841	0.738	0.686	0.660	0.647	0.647	0.699
127.0	1.333	1.242	1.087	0.841	0.751	0.686	0.673	0.660	0.647	0.699
127.5	1.307	1.255	1.087	0.841	0.751	0.699	0.673	0.660	0.660	0.712
128.0	1.346	1.255	1.087	0.841	0.751	0.712	0.686	0.673	0.673	0.725
128.5	1.346	1.242	1.074	0.841	0.751	0.725	0.699	0.686	0.686	0.725
129.0	1.359	1.255	1.074	0.854	0.751	0.738	0.712	0.699	0.699	0.738
129.5	1.346	1.255	1.074	0.880	0.764	0.751	0.725	0.725	0.712	0.751
130.0	1.307	1.242	1.074	0.893	0.764	0.764	0.738	0.738	0.725	0.764
130.5	1.307	1.229	1.087	0.906	0.777	0.777	0.751	0.751	0.738	0.764
131.0	1.320	1.204	1.087	0.919	0.789	0.789	0.764	0.764	0.751	0.777
131.5	1.307	1.229	1.087	0.919	0.815	0.802	0.789	0.777	0.764	0.789
132.0	1.307	1.229	1.100	0.932	0.841	0.802	0.802	0.789	0.777	0.789
132.5	1.333	1.217	1.087	0.932	0.854	0.815	0.802	0.802	0.789	0.802
133.0	1.307	1.242	1.087	0.945	0.880	0.828	0.815	0.815	0.789	0.815
133.5	1.294	1.242	1.100	0.958	0.893	0.841	0.828	0.828	0.802	0.828
134.0	1.307	1.229	1.100	0.971	0.906	0.854	0.841	0.841	0.815	0.854
134.5	1.294	1.229	1.100	0.984	0.919	0.880	0.854	0.841	0.828	0.867
135.0	1.294	1.229	1.100	0.984	0.945	0.893	0.867	0.854	0.854	0.880
135.5	1.294	1.229	1.074	0.997	0.971	0.906	0.893	0.867	0.867	0.880
136.0	1.294	1.229	1.061	1.009	0.971	0.919	0.906	0.893	0.880	0.893
136.5	1.268	1.229	1.061	1.022	0.971	0.932	0.932	0.906	0.893	0.919
137.0	1.281	1.229	1.061	1.022	0.984	0.945	0.945	0.919	0.906	0.932
137.5	1.307	1.229	1.035	1.035	0.997	0.958	0.958	0.932	0.919	0.932
138.0	1.294	1.217	1.009	1.035	0.997	0.971	0.971	0.958	0.932	0.958

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138.5	1.294	1.204	1.009	1.035	1.009	0.971	0.984	0.971	0.945	0.971
139.0	1.307	1.178	1.035	1.048	1.009	0.997	0.997	0.984	0.945	0.971
139.5	1.307	1.165	1.022	1.048	1.022	0.997	0.997	0.984	0.958	0.971
140.0	1.294	1.165	1.035	1.035	1.035	1.009	1.009	1.009	0.971	0.984
140.5	1.294	1.152	1.061	1.009	1.048	1.022	1.022	1.022	0.971	0.997
141.0	1.281	1.165	1.074	1.009	1.048	1.022	1.035	1.035	0.984	0.997
141.5	1.281	1.165	1.087	1.022	1.061	1.035	1.035	1.035	0.997	1.009
142.0	1.255	1.139	1.113	1.048	1.074	1.048	1.048	1.048	1.009	1.009
142.5	1.255	1.126	1.139	1.061	1.087	1.048	1.048	1.048	1.009	1.009
143.0	1.255	1.126	1.152	1.087	1.061	1.061	1.061	1.061	1.022	1.022
143.5	1.217	1.113	1.152	1.100	1.061	1.061	1.061	1.074	1.035	1.022
144.0	1.217	1.113	1.152	1.113	1.061	1.074	1.074	1.074	1.048	1.009
144.5	1.229	1.126	1.139	1.113	1.061	1.074	1.087	1.087	1.048	0.997
145.0	1.191	1.152	1.152	1.126	1.061	1.061	1.100	1.100	1.048	0.997
145.5	1.165	1.152	1.152	1.139	1.074	1.061	1.100	1.100	1.022	0.984
146.0	1.165	1.152	1.152	1.165	1.074	1.061	1.074	1.087	1.022	0.984
146.5	1.165	1.165	1.139	1.204	1.087	1.061	1.074	1.087	1.009	0.984
147.0	1.178	1.178	1.139	1.191	1.087	1.061	1.074	1.087	0.997	0.984
147.5	1.178	1.191	1.139	1.178	1.087	1.074	1.087	1.100	0.984	0.984
148.0	1.204	1.191	1.139	1.178	1.100	1.087	1.087	1.087	0.984	0.984
148.5	1.204	1.191	1.165	1.165	1.113	1.087	1.100	1.087	0.984	0.984
149.0	1.204	1.204	1.191	1.165	1.113	1.087	1.100	1.087	0.984	0.984
149.5	1.217	1.191	1.217	1.165	1.126	1.087	1.100	1.074	0.984	0.997
150.0	1.217	1.191	1.217	1.165	1.139	1.113	1.087	1.048	0.984	0.997
150.5	1.204	1.165	1.204	1.165	1.126	1.126	1.087	1.048	0.997	1.009
151.0	1.217	1.165	1.204	1.178	1.113	1.165	1.087	1.035	1.022	1.009
151.5	1.217	1.178	1.204	1.178	1.100	1.204	1.100	1.048	1.035	1.022
152.0	1.229	1.178	1.217	1.165	1.100	1.229	1.113	1.061	1.048	1.022
152.5	1.217	1.178	1.242	1.165	1.113	1.229	1.113	1.061	1.061	1.022
153.0	1.217	1.191	1.255	1.178	1.113	1.204	1.113	1.074	1.061	1.035
153.5	1.229	1.191	1.217	1.178	1.126	1.204	1.100	1.074	1.061	1.035
154.0	1.229	1.191	1.204	1.178	1.126	1.178	1.087	1.074	1.061	1.048
154.5	1.242	1.191	1.204	1.178	1.126	1.152	1.087	1.074	1.074	1.048
155.0	1.255	1.191	1.229	1.178	1.139	1.152	1.100	1.087	1.087	1.048
155.5	1.268	1.191	1.268	1.178	1.152	1.139	1.100	1.087	1.087	1.048
156.0	1.268	1.191	1.268	1.178	1.152	1.126	1.100	1.100	1.087	1.061
156.5	1.268	1.191	1.229	1.178	1.152	1.139	1.087	1.087	1.087	1.074
157.0	1.281	1.191	1.204	1.191	1.165	1.139	1.100	1.074	1.087	1.087
157.5	1.294	1.204	1.191	1.204	1.165	1.139	1.113	1.087	1.100	1.100
158.0	1.294	1.204	1.191	1.217	1.165	1.139	1.113	1.087	1.100	1.100
158.5	1.281	1.217	1.204	1.217	1.178	1.139	1.113	1.087	1.113	1.113
159.0	1.268	1.229	1.204	1.217	1.178	1.152	1.113	1.087	1.113	1.113
159.5	1.255	1.255	1.191	1.217	1.191	1.165	1.126	1.087	1.126	1.126
160.0	1.255	1.281	1.191	1.217	1.191	1.178	1.126	1.087	1.126	1.139
160.5	1.268	1.294	1.204	1.217	1.204	1.178	1.139	1.100	1.139	1.139
161.0	1.294	1.281	1.204	1.217	1.204	1.165	1.152	1.113	1.139	1.139
161.5	1.294	1.268	1.229	1.217	1.191	1.178	1.152	1.126	1.139	1.139
162.0	1.281	1.268	1.242	1.217	1.191	1.191	1.152	1.126	1.139	1.139
162.5	1.268	1.268	1.255	1.217	1.191	1.191	1.165	1.126	1.126	1.126
163.0	1.255	1.281	1.281	1.229	1.204	1.191	1.165	1.139	1.126	1.113
163.5	1.242	1.294	1.294	1.229	1.204	1.204	1.152	1.139	1.113	1.100
164.0	1.242	1.294	1.294	1.242	1.217	1.204	1.152	1.152	1.113	1.100
164.5	1.255	1.294	1.307	1.268	1.229	1.217	1.165	1.204	1.113	1.100
165.0	1.281	1.294	1.307	1.294	1.242	1.229	1.178	1.229	1.113	1.113
165.5	1.294	1.307	1.333	1.320	1.268	1.229	1.178	1.204	1.126	1.113
166.0	1.320	1.320	1.359	1.346	1.294	1.242	1.191	1.191	1.139	1.126

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CANDELA TABULATION - (Cont.)

166.5	1.333	1.333	1.385	1.372	1.307	1.268	1.204	1.178	1.152	1.113
167.0	1.346	1.346	1.411	1.385	1.333	1.281	1.217	1.178	1.165	1.126
167.5	1.359	1.359	1.411	1.398	1.359	1.307	1.242	1.191	1.165	1.152
168.0	1.372	1.372	1.424	1.424	1.372	1.333	1.255	1.217	1.178	1.178
168.5	1.372	1.385	1.437	1.450	1.385	1.359	1.281	1.242	1.204	1.191
169.0	1.372	1.398	1.437	1.462	1.398	1.372	1.307	1.268	1.229	1.204
169.5	1.385	1.398	1.437	1.462	1.424	1.385	1.333	1.320	1.268	1.217
170.0	1.385	1.411	1.437	1.462	1.450	1.411	1.346	1.359	1.294	1.255
170.5	1.411	1.437	1.437	1.462	1.462	1.424	1.372	1.372	1.294	1.307
171.0	1.424	1.450	1.437	1.462	1.462	1.424	1.385	1.359	1.307	1.333
171.5	1.450	1.462	1.450	1.462	1.462	1.437	1.385	1.307	1.320	1.333
172.0	1.462	1.462	1.450	1.450	1.462	1.437	1.372	1.294	1.346	1.346
172.5	1.475	1.462	1.450	1.450	1.450	1.424	1.372	1.307	1.333	1.346
173.0	1.475	1.462	1.462	1.462	1.450	1.424	1.372	1.307	1.320	1.359
173.5	1.475	1.475	1.462	1.462	1.450	1.424	1.359	1.320	1.333	1.385
174.0	1.488	1.475	1.475	1.475	1.462	1.424	1.372	1.307	1.333	1.398
174.5	1.488	1.488	1.475	1.475	1.475	1.437	1.372	1.320	1.307	1.411
175.0	1.488	1.488	1.475	1.475	1.488	1.450	1.385	1.333	1.307	1.424
175.5	1.488	1.488	1.475	1.475	1.488	1.462	1.398	1.333	1.320	1.411
176.0	1.488	1.488	1.475	1.475	1.488	1.475	1.398	1.333	1.320	1.398
176.5	1.488	1.488	1.488	1.475	1.488	1.475	1.398	1.333	1.333	1.385
177.0	1.488	1.488	1.488	1.475	1.475	1.475	1.398	1.333	1.359	1.398
177.5	1.475	1.488	1.475	1.475	1.475	1.475	1.398	1.346	1.385	1.398
178.0	1.475	1.488	1.475	1.462	1.462	1.488	1.411	1.359	1.398	1.398
178.5	1.475	1.488	1.475	1.462	1.462	1.488	1.424	1.372	1.411	1.385
179.0	1.488	1.488	1.475	1.475	1.462	1.488	1.424	1.372	1.424	1.359
179.5	1.488	1.488	1.475	1.475	1.462	1.488	1.424	1.385	1.424	1.359
180.0	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475	1.475

Vert. Horizontal Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131	2744.131
0.5	2744.131	2744.416	2744.416	2744.429	2744.416	2744.726	2744.442
1.0	2743.820	2743.807	2744.416	2744.713	2744.726	2745.037	2745.024
1.5	2742.889	2743.471	2744.364	2744.416	2744.713	2745.309	2744.765
2.0	2741.633	2742.216	2743.121	2743.794	2744.390	2744.985	2744.752
2.5	2740.404	2740.986	2741.905	2743.173	2743.756	2744.377	2744.467
3.0	2739.148	2739.744	2740.740	2742.228	2742.824	2743.743	2744.157
3.5	2737.298	2738.281	2739.498	2740.701	2741.646	2742.863	2742.966
4.0	2735.563	2736.146	2737.958	2739.161	2740.119	2741.310	2741.413
4.5	2733.415	2734.295	2735.796	2737.634	2738.566	2739.472	2740.248
5.0	2731.241	2732.134	2733.609	2736.042	2737.000	2737.893	2739.006
5.5	2728.419	2729.947	2731.280	2733.997	2735.097	2735.835	2736.883
6.0	2725.637	2727.423	2729.118	2731.241	2732.781	2733.674	2735.020
6.5	2722.233	2724.239	2726.323	2728.769	2730.322	2731.513	2732.884
7.0	2718.739	2720.835	2723.514	2725.986	2727.824	2729.338	2731.008
7.5	2715.374	2717.470	2720.434	2723.488	2725.080	2726.840	2728.989
8.0	2711.349	2713.743	2716.966	2720.020	2722.000	2723.747	2726.245
8.5	2707.000	2709.951	2712.902	2716.241	2718.881	2720.848	2723.178
9.0	2702.587	2705.926	2708.851	2712.488	2715.464	2717.716	2720.059
9.5	2697.682	2701.552	2705.137	2708.760	2711.465	2714.313	2716.720
10.0	2693.062	2696.336	2700.866	2704.723	2707.505	2710.378	2713.303
10.5	2687.782	2691.677	2696.504	2700.322	2703.739	2706.923	2709.899
11.0	2682.281	2687.083	2691.586	2695.767	2699.468	2702.652	2706.405
11.5	2676.703	2681.725	2686.604	2691.392	2695.145	2698.329	2701.513

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CANDELA TABULATION - (Cont.)

12.0	2670.724	2676.185	2681.065	2686.397	2691.056	2694.265	2697.177
12.5	2664.628	2669.986	2675.836	2681.440	2686.086	2689.645	2692.557
13.0	2658.183	2663.489	2670.245	2676.250	2681.142	2684.675	2687.639
13.5	2651.712	2656.772	2663.839	2670.724	2675.927	2679.473	2683.019
14.0	2644.555	2650.224	2657.898	2664.900	2670.051	2674.503	2677.816
14.5	2637.139	2643.455	2651.104	2658.442	2664.162	2669.494	2672.238
15.0	2629.983	2636.492	2644.439	2652.282	2657.588	2662.687	2666.337
15.5	2621.958	2629.335	2637.838	2645.746	2651.466	2656.850	2660.228
16.0	2614.698	2621.661	2630.112	2638.667	2644.633	2650.366	2653.446
16.5	2606.389	2614.193	2622.373	2631.600	2638.071	2644.736	2647.260
17.0	2598.068	2605.600	2614.517	2624.443	2630.681	2637.334	2640.271
17.5	2588.749	2597.498	2606.441	2616.613	2623.175	2630.008	2632.713
18.0	2579.742	2589.021	2599.012	2608.576	2615.643	2622.321	2625.285
18.5	2570.747	2579.457	2589.668	2599.918	2608.123	2614.802	2619.124
19.0	2561.092	2570.190	2580.906	2591.157	2600.061	2606.726	2611.592
19.5	2550.299	2561.222	2571.316	2582.265	2591.441	2598.857	2603.451
20.0	2540.450	2552.162	2562.749	2573.879	2582.744	2590.561	2595.673
20.5	2530.523	2541.382	2553.741	2564.884	2573.426	2581.877	2587.339
21.0	2519.924	2530.769	2542.999	2554.777	2564.405	2572.209	2578.305
21.5	2509.104	2520.765	2532.542	2544.785	2555.010	2563.137	2568.987
22.0	2498.155	2509.596	2522.680	2534.302	2545.277	2553.495	2559.410
22.5	2487.323	2498.764	2512.029	2524.285	2535.144	2543.737	2549.884
23.0	2475.869	2487.931	2500.964	2513.737	2524.919	2533.629	2539.466
23.5	2463.510	2476.697	2489.834	2502.310	2514.087	2523.146	2528.906
24.0	2451.422	2464.519	2478.522	2491.490	2502.996	2512.987	2518.332
24.5	2438.532	2451.706	2465.658	2480.153	2492.733	2501.145	2507.409
25.0	2425.719	2439.205	2453.311	2468.259	2480.671	2490.222	2496.033
25.5	2412.790	2426.845	2441.353	2455.227	2468.622	2478.587	2485.304
26.0	2399.421	2412.971	2428.553	2442.789	2456.534	2466.460	2473.333
26.5	2385.922	2399.848	2414.848	2430.611	2443.734	2454.243	2460.986
27.0	2371.194	2385.715	2400.715	2417.087	2430.533	2441.055	2448.251
27.5	2357.256	2371.764	2386.518	2403.847	2417.578	2428.372	2435.581
28.0	2342.670	2357.346	2372.592	2389.611	2403.834	2415.068	2421.992
28.5	2327.347	2341.984	2358.123	2375.142	2389.171	2400.844	2407.924
29.0	2311.480	2327.217	2342.463	2360.168	2374.753	2386.414	2394.011
29.5	2296.195	2312.140	2327.412	2345.401	2359.999	2372.256	2379.141
30.0	2280.510	2296.299	2312.696	2330.298	2345.919	2357.528	2364.219
30.5	2263.815	2279.539	2296.610	2314.470	2329.534	2341.467	2348.908
31.0	2247.197	2263.530	2280.225	2297.748	2313.551	2325.613	2333.261
31.5	2230.062	2246.796	2263.802	2281.791	2297.360	2309.759	2317.627
32.0	2212.228	2229.246	2246.705	2265.277	2280.639	2293.063	2301.450
32.5	2194.251	2211.425	2229.182	2248.621	2263.491	2276.161	2284.884
33.0	2175.628	2193.734	2211.878	2230.191	2246.006	2259.725	2267.218
33.5	2157.392	2175.990	2194.717	2212.357	2228.573	2241.684	2249.410
34.0	2137.967	2156.707	2175.757	2194.381	2210.015	2223.332	2232.171
34.5	2117.868	2136.776	2156.849	2175.537	2191.275	2204.695	2213.664
35.0	2097.782	2118.437	2137.048	2155.645	2172.755	2186.447	2195.817
35.5	2077.954	2098.377	2117.868	2136.181	2153.005	2168.108	2177.077
36.0	2057.118	2077.217	2098.105	2116.988	2133.877	2149.511	2157.522
36.5	2035.492	2056.393	2077.579	2096.449	2113.778	2128.829	2138.109
37.0	2014.034	2035.828	2056.846	2075.444	2093.783	2108.808	2118.062
37.5	1992.253	2014.215	2035.414	2054.698	2073.011	2087.972	2097.264
38.0	1969.138	1991.955	2014.137	2033.421	2051.876	2068.533	2077.061
38.5	1946.516	1970.186	1991.541	2011.834	2030.897	2046.648	2055.888
39.0	1923.013	1948.198	1970.005	1989.716	2009.258	2024.698	2033.965
39.5	1899.510	1927.698	1947.823	1968.168	1987.865	2002.645	2011.601

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40.0	1876.020	1903.742	1924.773	1945.907	1964.984	1982.145	1990.609
40.5	1852.518	1879.787	1901.710	1922.702	1943.228	1959.147	1967.896
41.0	1828.834	1855.831	1878.648	1899.497	1919.674	1936.304	1944.587
41.5	1802.419	1831.862	1855.585	1876.292	1896.119	1912.815	1921.952
42.0	1776.031	1805.267	1832.497	1853.100	1872.565	1889.338	1898.345
42.5	1750.147	1780.806	1806.548	1829.869	1849.011	1865.848	1874.325
43.0	1724.159	1755.000	1782.618	1805.409	1825.456	1842.371	1850.809
43.5	1697.110	1728.637	1756.022	1780.444	1801.280	1818.778	1824.796
44.0	1669.207	1702.947	1730.306	1754.482	1776.251	1793.127	1800.323
44.5	1642.210	1676.804	1704.630	1728.689	1750.095	1767.916	1774.723
45.0	1614.463	1649.445	1678.940	1703.051	1724.418	1742.783	1749.784
45.5	1586.391	1622.771	1652.331	1677.503	1698.741	1716.976	1722.373
46.0	1558.540	1596.693	1625.942	1651.205	1672.883	1691.015	1697.408
46.5	1531.349	1570.059	1599.489	1624.260	1647.426	1664.147	1670.372
47.0	1500.858	1541.962	1573.462	1597.509	1618.941	1637.914	1643.168
47.5	1471.078	1513.813	1545.327	1570.732	1592.384	1610.425	1616.106
48.0	1441.376	1487.605	1518.925	1543.683	1565.632	1583.298	1589.213
48.5	1412.425	1459.935	1492.433	1516.427	1539.283	1556.017	1561.258
49.0	1381.494	1430.906	1465.565	1489.805	1511.069	1528.269	1534.287
49.5	1350.951	1402.615	1437.610	1462.808	1483.645	1500.547	1504.727
50.0	1320.951	1375.515	1410.756	1435.669	1455.923	1472.955	1476.850
50.5	1290.887	1349.566	1383.759	1408.555	1429.418	1444.754	1448.417
51.0	1260.421	1317.120	1356.192	1382.218	1400.493	1416.101	1420.592
51.5	1230.059	1288.557	1328.885	1353.927	1373.677	1388.172	1390.139
52.0	1200.759	1258.829	1301.124	1327.526	1346.214	1360.308	1363.233
52.5	1171.264	1229.179	1274.230	1300.567	1318.259	1332.431	1335.135
53.0	1142.157	1199.516	1246.340	1274.412	1290.291	1304.217	1305.330
53.5	1113.141	1171.303	1219.525	1245.913	1263.540	1276.224	1276.495
54.0	1085.044	1142.028	1191.259	1219.693	1236.686	1248.359	1248.890
54.5	1056.546	1112.598	1162.696	1192.204	1209.249	1220.495	1220.651
55.0	1029.433	1083.867	1134.703	1165.388	1182.290	1193.019	1193.097
55.5	1002.785	1056.391	1107.874	1138.702	1155.850	1166.255	1164.547
56.0	977.962	1028.514	1080.165	1112.248	1129.306	1139.362	1136.696
56.5	951.690	1000.222	1052.029	1084.967	1102.102	1111.575	1109.595
57.0	926.194	973.316	1023.479	1058.332	1076.179	1085.277	1083.116
57.5	903.546	948.170	997.751	1031.879	1049.971	1059.510	1056.688
58.0	879.396	927.074	970.081	1005.723	1023.932	1032.875	1029.950
58.5	853.253	900.284	943.951	980.240	998.644	1007.444	1004.260
59.0	830.048	871.786	918.222	954.123	973.950	982.259	979.334
59.5	807.464	846.459	898.136	928.614	949.011	957.837	954.162
60.0	785.333	822.438	870.971	903.559	924.123	932.652	929.572
60.5	763.604	798.521	842.045	878.917	899.598	908.658	906.755
61.0	742.935	775.847	816.601	856.411	875.876	885.297	884.107
61.5	723.147	754.286	793.500	830.825	852.554	862.248	861.458
62.0	702.789	733.229	770.709	807.257	830.048	839.535	838.797
62.5	682.872	710.865	747.724	784.130	807.503	817.857	816.148
63.0	664.287	692.759	725.516	761.585	785.489	795.661	793.500
63.5	646.311	673.398	707.707	740.114	764.083	774.566	772.301
64.0	627.881	655.033	691.336	718.397	743.130	753.975	751.451
64.5	610.034	632.087	663.717	699.632	722.694	733.384	731.870
65.0	593.313	614.641	643.994	683.959	702.919	713.920	712.405
65.5	577.097	596.652	624.801	659.240	683.402	694.817	693.135
66.0	560.427	579.582	606.203	639.451	664.559	676.362	674.524
66.5	544.768	561.825	588.641	620.879	646.440	658.114	656.729
67.0	529.367	546.282	575.375	603.123	628.813	640.396	639.335
67.5	514.276	530.117	555.225	588.680	611.717	623.610	622.044

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68.0	499.652	515.001	538.439	573.822	595.190	606.941	605.556
68.5	486.283	499.393	523.012	553.387	578.805	590.945	589.858
69.0	472.215	485.519	508.206	537.714	563.249	575.039	574.249
69.5	458.664	470.791	493.621	522.701	548.133	559.897	558.874
70.0	445.451	456.904	481.857	513.823	533.068	544.910	544.328
70.5	433.738	444.014	465.485	496.300	518.638	530.518	530.130
71.0	421.728	431.758	452.530	480.278	505.023	516.774	516.619
71.5	409.860	419.114	439.912	467.349	491.201	503.185	503.276
72.0	398.536	407.078	427.358	460.101	477.819	489.686	489.881
72.5	388.144	395.792	415.309	441.620	464.864	476.744	477.003
73.0	377.182	384.792	403.583	428.807	451.844	463.971	464.527
73.5	366.750	373.506	391.974	417.716	439.161	451.417	452.401
74.0	356.384	363.049	380.780	405.913	430.865	438.941	440.248
74.5	346.626	353.045	370.038	393.256	414.092	426.879	428.264
75.0	336.233	342.847	359.257	382.760	404.088	414.869	416.189
75.5	326.113	332.312	348.373	369.934	389.917	402.897	404.399
76.0	315.694	322.411	337.734	358.364	378.062	391.004	392.829
76.5	305.664	312.614	327.200	347.117	367.022	378.994	381.103
77.0	294.715	302.455	316.639	335.198	354.119	367.009	368.808
77.5	283.779	292.153	305.962	323.899	342.031	355.064	356.876
78.0	272.675	281.903	295.375	312.329	335.819	343.041	344.865
78.5	261.907	271.575	284.763	300.591	318.037	332.389	332.584
79.0	250.570	260.406	273.762	288.995	306.700	322.851	319.616
79.5	239.142	249.133	262.541	277.554	304.228	306.984	307.114
80.0	227.313	237.965	251.605	265.544	289.642	293.292	294.430
80.5	215.497	225.928	240.229	253.702	275.302	280.595	281.307
81.0	203.681	213.905	227.650	241.769	263.926	269.698	267.925
81.5	191.865	201.869	215.070	229.255	249.910	257.727	254.647
82.0	180.023	189.846	202.491	216.753	232.943	242.054	240.618
82.5	167.560	177.810	189.911	204.251	219.807	228.297	226.343
83.0	154.605	164.622	177.292	191.736	206.684	214.552	212.119
83.5	141.702	151.421	163.794	179.247	193.548	200.808	197.754
84.0	128.669	138.350	150.425	167.017	180.399	187.051	183.013
84.5	115.481	124.476	136.137	152.289	166.809	173.306	167.521
85.0	101.802	110.046	122.004	137.340	154.709	160.520	152.068
85.5	88.549	96.185	107.419	122.755	140.951	143.682	136.706
86.0	75.762	82.441	92.885	107.587	125.071	128.747	121.254
86.5	63.028	69.046	78.040	92.354	107.535	112.699	106.331
87.0	50.862	56.608	64.529	76.798	91.759	97.285	90.685
87.5	41.091	45.944	51.121	61.746	74.662	82.026	74.404
88.0	31.333	35.280	41.143	49.762	57.475	64.374	58.071
88.5	21.561	24.603	31.177	37.765	46.294	51.820	41.751
89.0	11.803	13.939	21.199	25.768	35.125	39.279	25.418
89.5	2.343	3.740	11.221	13.783	23.943	26.725	9.085
90.0	0.647	1.009	1.462	2.045	12.774	14.171	6.691
90.5	0.660	1.048	1.424	1.644	1.721	1.902	4.931
91.0	0.686	1.074	1.437	1.682	1.838	2.019	3.171
91.5	0.751	1.113	1.462	1.657	1.812	1.980	1.411
92.0	0.777	1.165	1.488	1.644	1.812	1.928	1.320
92.5	0.789	1.152	1.488	1.721	1.864	2.084	1.411
93.0	0.777	1.113	1.579	1.721	1.915	2.032	1.411
93.5	0.764	1.113	1.475	1.799	1.967	2.097	1.475
94.0	0.777	1.113	1.514	1.877	1.980	2.110	1.475
94.5	0.764	1.152	1.553	1.851	2.032	2.097	1.475
95.0	0.764	1.165	1.618	1.838	2.084	2.084	1.501
95.5	0.777	1.191	1.618	1.838	2.122	2.071	1.501

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96.0	0.789	1.217	1.605	1.890	2.174	2.071	1.527
96.5	0.815	1.217	1.579	1.928	2.187	2.110	1.566
97.0	0.815	1.217	1.553	1.967	2.187	2.122	1.579
97.5	0.815	1.204	1.566	2.019	2.161	2.097	1.566
98.0	0.815	1.191	1.566	1.993	2.161	2.097	1.540
98.5	0.802	1.178	1.592	1.980	2.174	2.084	1.514
99.0	0.802	1.178	1.657	1.967	2.187	2.122	1.488
99.5	0.802	1.191	1.695	1.954	2.200	2.135	1.475
100.0	0.802	1.217	1.682	1.954	2.200	2.097	1.462
100.5	0.815	1.255	1.657	1.954	2.213	2.097	1.462
101.0	0.841	1.242	1.644	1.954	2.187	2.122	1.462
101.5	0.867	1.255	1.618	1.941	2.174	2.148	1.475
102.0	0.880	1.255	1.605	1.902	2.161	2.161	1.475
102.5	0.893	1.242	1.592	1.851	2.174	2.174	1.488
103.0	0.893	1.229	1.592	1.825	2.187	2.187	1.501
103.5	0.906	1.229	1.605	1.812	2.226	2.135	1.514
104.0	0.906	1.242	1.605	1.812	2.226	2.097	1.553
104.5	0.906	1.229	1.605	1.825	2.239	2.071	1.566
105.0	0.906	1.229	1.618	1.838	2.200	2.045	1.579
105.5	0.906	1.229	1.618	1.825	2.174	2.045	1.579
106.0	0.906	1.229	1.579	1.799	2.161	2.058	1.579
106.5	0.906	1.229	1.540	1.760	2.148	2.058	1.579
107.0	0.906	1.229	1.501	1.708	2.097	2.019	1.566
107.5	0.919	1.217	1.475	1.670	2.058	1.967	1.553
108.0	0.919	1.204	1.462	1.644	2.006	1.928	1.527
108.5	0.906	1.191	1.462	1.618	1.967	1.877	1.488
109.0	0.906	1.178	1.475	1.592	1.915	1.825	1.450
109.5	0.893	1.152	1.450	1.553	1.864	1.773	1.437
110.0	0.893	1.152	1.424	1.527	1.838	1.747	1.437
110.5	0.893	1.139	1.398	1.501	1.786	1.708	1.437
111.0	0.880	1.139	1.372	1.475	1.760	1.670	1.424
111.5	0.867	1.126	1.346	1.450	1.734	1.631	1.411
112.0	0.867	1.126	1.320	1.437	1.695	1.605	1.398
112.5	0.854	1.113	1.307	1.411	1.670	1.566	1.385
113.0	0.854	1.100	1.281	1.398	1.657	1.553	1.359
113.5	0.854	1.100	1.268	1.385	1.631	1.527	1.372
114.0	0.841	1.074	1.255	1.359	1.592	1.501	1.385
114.5	0.841	1.061	1.229	1.333	1.553	1.501	1.385
115.0	0.828	1.048	1.217	1.333	1.527	1.488	1.398
115.5	0.815	1.048	1.191	1.307	1.488	1.462	1.398
116.0	0.802	1.035	1.178	1.294	1.462	1.437	1.398
116.5	0.802	1.022	1.165	1.268	1.462	1.437	1.411
117.0	0.789	1.009	1.152	1.268	1.437	1.437	1.411
117.5	0.777	0.997	1.139	1.255	1.411	1.424	1.411
118.0	0.764	0.984	1.126	1.242	1.385	1.424	1.398
118.5	0.764	0.971	1.126	1.255	1.372	1.398	1.411
119.0	0.751	0.958	1.113	1.268	1.359	1.385	1.398
119.5	0.738	0.945	1.113	1.255	1.333	1.398	1.385
120.0	0.738	0.945	1.100	1.242	1.333	1.385	1.398
120.5	0.712	0.932	1.100	1.229	1.307	1.385	1.398
121.0	0.712	0.932	1.100	1.229	1.307	1.398	1.372
121.5	0.712	0.932	1.087	1.229	1.307	1.398	1.398
122.0	0.712	0.932	1.087	1.229	1.307	1.385	1.385
122.5	0.712	0.919	1.074	1.229	1.294	1.398	1.385
123.0	0.712	0.919	1.074	1.217	1.294	1.385	1.372
123.5	0.712	0.906	1.074	1.217	1.307	1.385	1.359

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124.0	0.712	0.906	1.087	1.217	1.307	1.385	1.359
124.5	0.712	0.906	1.087	1.229	1.307	1.385	1.385
125.0	0.725	0.893	1.087	1.229	1.307	1.385	1.372
125.5	0.725	0.893	1.087	1.217	1.294	1.372	1.372
126.0	0.725	0.893	1.087	1.229	1.281	1.372	1.372
126.5	0.725	0.893	1.074	1.204	1.268	1.372	1.359
127.0	0.725	0.893	1.074	1.204	1.268	1.346	1.359
127.5	0.738	0.893	1.087	1.191	1.255	1.333	1.385
128.0	0.738	0.906	1.074	1.165	1.255	1.333	1.359
128.5	0.751	0.906	1.074	1.165	1.255	1.333	1.346
129.0	0.751	0.906	1.061	1.152	1.242	1.307	1.385
129.5	0.764	0.906	1.061	1.152	1.242	1.320	1.385
130.0	0.764	0.906	1.061	1.139	1.242	1.320	1.359
130.5	0.764	0.906	1.061	1.165	1.229	1.307	1.346
131.0	0.777	0.906	1.061	1.152	1.229	1.307	1.372
131.5	0.802	0.919	1.061	1.152	1.217	1.307	1.372
132.0	0.802	0.932	1.074	1.152	1.217	1.281	1.359
132.5	0.815	0.945	1.087	1.178	1.217	1.307	1.359
133.0	0.828	0.945	1.087	1.165	1.217	1.307	1.372
133.5	0.841	0.958	1.087	1.165	1.229	1.307	1.359
134.0	0.854	0.958	1.074	1.178	1.242	1.281	1.333
134.5	0.867	0.958	1.061	1.165	1.242	1.307	1.346
135.0	0.893	0.958	1.061	1.178	1.229	1.307	1.346
135.5	0.919	0.958	1.048	1.178	1.229	1.320	1.346
136.0	0.932	0.958	1.048	1.178	1.217	1.307	1.346
136.5	0.945	0.958	1.035	1.165	1.229	1.320	1.346
137.0	0.958	0.971	1.048	1.165	1.217	1.307	1.346
137.5	0.971	0.945	1.048	1.178	1.204	1.294	1.346
138.0	0.984	0.932	1.061	1.178	1.204	1.294	1.346
138.5	0.984	0.919	1.074	1.165	1.191	1.255	1.346
139.0	0.984	0.919	1.074	1.165	1.204	1.268	1.346
139.5	0.997	0.919	1.074	1.152	1.191	1.268	1.333
140.0	0.997	0.919	1.074	1.139	1.178	1.268	1.333
140.5	1.009	0.919	1.074	1.126	1.178	1.255	1.346
141.0	1.009	0.945	1.061	1.139	1.165	1.229	1.346
141.5	1.009	0.958	1.035	1.152	1.152	1.204	1.346
142.0	0.984	0.945	1.022	1.165	1.139	1.191	1.346
142.5	0.984	0.958	1.009	1.165	1.113	1.191	1.333
143.0	0.984	0.971	0.997	1.165	1.126	1.191	1.333
143.5	0.984	0.984	0.984	1.165	1.139	1.178	1.333
144.0	0.984	0.997	0.984	1.152	1.126	1.152	1.333
144.5	0.984	1.035	0.997	1.152	1.139	1.152	1.333
145.0	0.997	1.048	0.997	1.126	1.152	1.152	1.333
145.5	0.997	1.061	0.997	1.087	1.152	1.152	1.320
146.0	1.009	1.074	1.009	1.074	1.152	1.152	1.333
146.5	1.022	1.074	1.035	1.061	1.152	1.152	1.346
147.0	1.022	1.087	1.035	1.035	1.152	1.139	1.346
147.5	1.035	1.100	1.022	1.035	1.100	1.126	1.333
148.0	1.035	1.113	1.035	1.035	1.074	1.126	1.320
148.5	1.048	1.139	1.035	1.048	1.074	1.087	1.281
149.0	1.048	1.126	1.048	1.035	1.061	1.035	1.229
149.5	1.022	1.100	1.074	1.035	1.048	1.022	1.217
150.0	1.022	1.087	1.100	1.061	1.048	0.997	1.204
150.5	1.022	1.087	1.113	1.061	1.061	0.984	1.178
151.0	1.022	1.100	1.139	1.074	1.074	0.984	1.165
151.5	1.022	1.100	1.139	1.087	1.087	0.997	1.178

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CANDELA TABULATION - (Cont.)

152.0	1.022	1.100	1.152	1.100	1.152	1.009	1.191
152.5	1.022	1.113	1.152	1.126	1.139	1.009	1.204
153.0	1.035	1.113	1.178	1.152	1.152	1.061	1.242
153.5	1.035	1.113	1.191	1.165	1.152	1.087	1.268
154.0	1.048	1.113	1.178	1.165	1.165	1.100	1.268
154.5	1.061	1.113	1.178	1.178	1.178	1.113	1.281
155.0	1.061	1.113	1.178	1.191	1.204	1.113	1.294
155.5	1.061	1.113	1.204	1.204	1.217	1.126	1.307
156.0	1.061	1.113	1.204	1.217	1.229	1.152	1.333
156.5	1.061	1.113	1.191	1.242	1.229	1.165	1.333
157.0	1.061	1.113	1.178	1.255	1.229	1.191	1.346
157.5	1.061	1.113	1.178	1.255	1.242	1.204	1.359
158.0	1.074	1.126	1.178	1.268	1.255	1.217	1.359
158.5	1.087	1.113	1.191	1.268	1.242	1.217	1.359
159.0	1.100	1.113	1.178	1.255	1.242	1.217	1.372
159.5	1.100	1.113	1.178	1.268	1.255	1.229	1.372
160.0	1.113	1.113	1.165	1.268	1.255	1.229	1.372
160.5	1.113	1.113	1.165	1.268	1.242	1.229	1.372
161.0	1.113	1.113	1.165	1.268	1.242	1.229	1.372
161.5	1.113	1.113	1.178	1.255	1.242	1.229	1.372
162.0	1.100	1.113	1.191	1.255	1.229	1.217	1.372
162.5	1.100	1.113	1.204	1.255	1.204	1.217	1.372
163.0	1.100	1.113	1.204	1.242	1.204	1.217	1.385
163.5	1.113	1.126	1.191	1.242	1.204	1.217	1.385
164.0	1.126	1.139	1.204	1.229	1.204	1.217	1.372
164.5	1.113	1.152	1.217	1.217	1.204	1.217	1.372
165.0	1.126	1.165	1.217	1.217	1.217	1.217	1.372
165.5	1.126	1.165	1.217	1.217	1.204	1.217	1.385
166.0	1.139	1.178	1.242	1.242	1.204	1.229	1.398
166.5	1.165	1.204	1.255	1.242	1.217	1.242	1.411
167.0	1.178	1.217	1.268	1.255	1.229	1.242	1.411
167.5	1.178	1.242	1.242	1.268	1.255	1.242	1.411
168.0	1.191	1.255	1.255	1.294	1.268	1.268	1.437
168.5	1.204	1.255	1.294	1.294	1.294	1.281	1.450
169.0	1.217	1.268	1.294	1.294	1.294	1.294	1.462
169.5	1.229	1.255	1.268	1.294	1.307	1.294	1.462
170.0	1.242	1.242	1.268	1.307	1.307	1.307	1.462
170.5	1.242	1.229	1.268	1.320	1.333	1.320	1.450
171.0	1.255	1.229	1.281	1.346	1.346	1.346	1.450
171.5	1.268	1.229	1.281	1.359	1.346	1.372	1.462
172.0	1.255	1.229	1.281	1.359	1.359	1.385	1.475
172.5	1.242	1.229	1.294	1.372	1.359	1.385	1.488
173.0	1.242	1.217	1.307	1.372	1.359	1.398	1.501
173.5	1.268	1.229	1.320	1.372	1.372	1.398	1.514
174.0	1.294	1.255	1.333	1.385	1.372	1.398	1.527
174.5	1.320	1.294	1.346	1.385	1.385	1.411	1.540
175.0	1.346	1.294	1.359	1.398	1.398	1.411	1.540
175.5	1.346	1.294	1.372	1.411	1.411	1.411	1.540
176.0	1.359	1.294	1.385	1.424	1.411	1.424	1.527
176.5	1.359	1.307	1.398	1.424	1.424	1.424	1.527
177.0	1.372	1.320	1.424	1.424	1.411	1.424	1.527
177.5	1.372	1.333	1.424	1.411	1.398	1.411	1.514
178.0	1.372	1.346	1.424	1.411	1.398	1.398	1.501
178.5	1.385	1.346	1.424	1.398	1.385	1.398	1.488
179.0	1.385	1.359	1.411	1.398	1.385	1.398	1.475
179.5	1.372	1.359	1.411	1.398	1.385	1.398	1.475

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CANDELA TABULATION - (Cont.)

180.0	1.475	1.475	1.475	1.475	1.475	1.475	1.475
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IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1005.39	N.A.	14.60
0-30	2134.13	N.A.	30.90
0-40	3468.16	N.A.	50.20
0-60	5733.24	N.A.	83.00
0-80	6755.48	N.A.	97.80
0-90	6897.00	N.A.	99.90
10-90	6637.18	N.A.	96.10
20-40	2462.77	N.A.	35.70
20-50	3744.6	N.A.	54.20
40-70	2901.25	N.A.	42.00
60-80	1022.23	N.A.	14.80
70-80	386.07	N.A.	5.60
80-90	141.53	N.A.	2.00
90-110	2.86	N.A.	0.00
90-120	3.87	N.A.	0.10
90-130	4.77	N.A.	0.10
90-150	6.28	N.A.	0.10
90-180	7.30	N.A.	0.10
110-180	4.44	N.A.	0.10
0-180	6904.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	259.83
10-20	745.56
20-30	1128.74
30-40	1334.03
40-50	1281.83
50-60	983.25
60-70	636.16
70-80	386.07
80-90	141.53
90-100	1.61
100-110	1.25
110-120	1.02
120-130	0.89
130-140	0.82
140-150	0.69
150-160	0.53
160-170	0.35
170-180	0.13

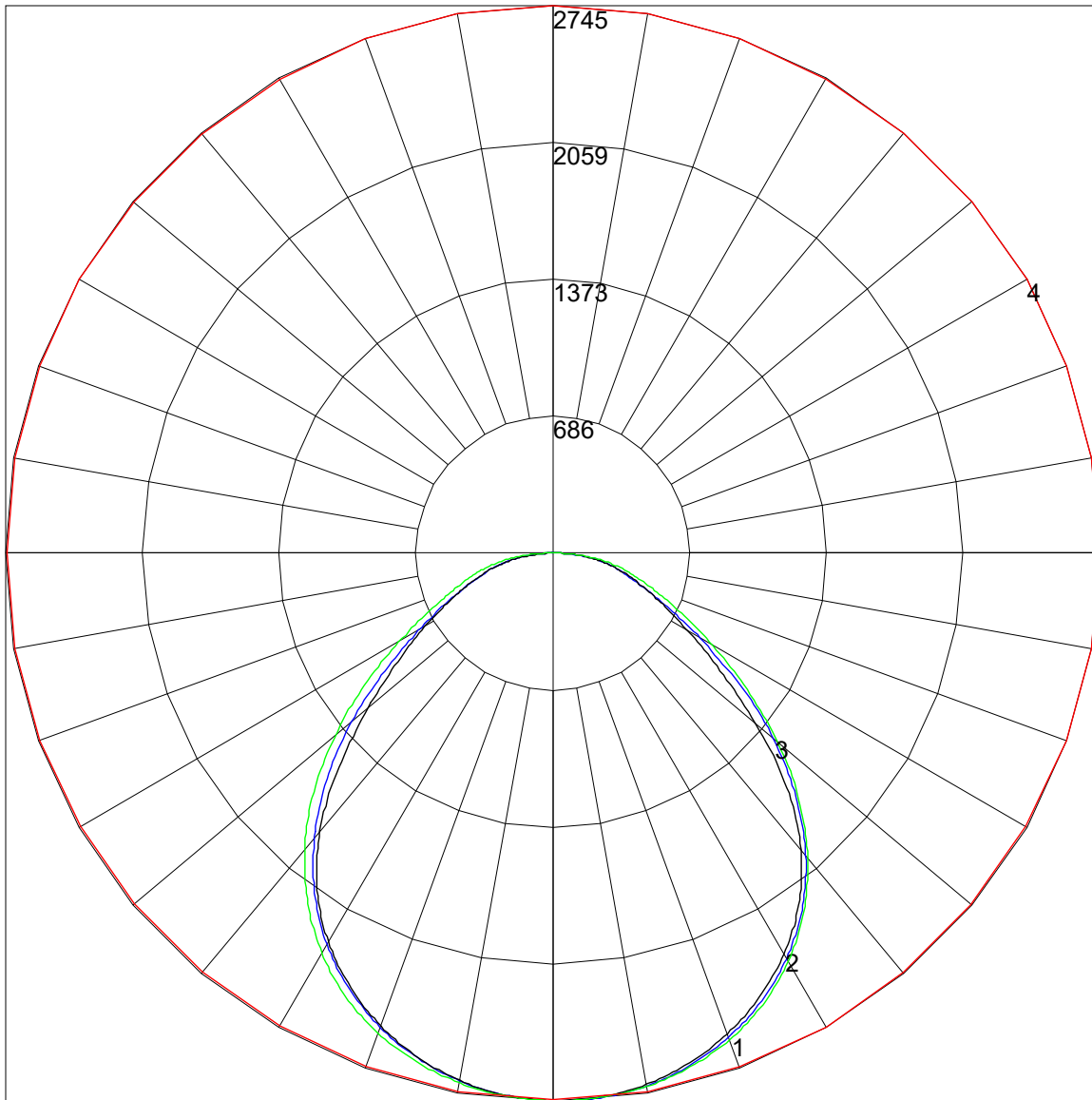
IES INDOOR REPORT
PHOTOMETRIC FILENAME : LSL24HFA-40.IES

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	39	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	39	33	29	27

POLAR GRAPH



Maximum Candela = 2745.399 Located At Horizontal Angle = 50, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)