



IES INDOOR REPORT

PHOTOMETRIC FILENAME : LSL24LFA-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] s14050047e-02
[TESTLAB] LEADING TESTING LABORATORIES
[TESTDATE] 2017-05-29
[ISSUEDATE] 2017-05-30
[NEARFIELD]
[LAMPPOSITION] 0,0
[LUMCAT] LSL24LFA-40
[LUMINAIRE] 2x4 Recessed Troffer with flat frosted acrylic lens, 4000K Low 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	4226
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	34.4
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	2401	2380	2281
55	2018	1968	1738
65	1636	1475	1401
75	1560	1342	1361
85	1693	1583	1478

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CANDELA TABULATION

	0	10	20	30	40	50	60	70	80	90
0.0	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725
0.5	1679.916	1680.106	1679.931	1680.082	1680.074	1680.122	1679.908	1679.908	1679.924	1679.924
1.0	1680.272	1680.296	1679.939	1680.280	1680.280	1680.320	1680.098	1680.098	1680.114	1680.114
1.5	1680.114	1680.296	1680.130	1680.470	1680.470	1680.328	1680.288	1680.106	1680.304	1679.931
2.0	1680.106	1680.296	1680.130	1680.478	1680.478	1680.328	1680.296	1680.106	1679.765	1679.749
2.5	1679.931	1680.114	1679.947	1680.478	1680.478	1680.502	1680.106	1679.931	1679.559	1679.203
3.0	1679.741	1679.741	1679.757	1680.130	1680.296	1680.153	1679.757	1679.567	1679.195	1678.632
3.5	1679.013	1679.211	1679.020	1679.749	1679.749	1679.591	1679.195	1679.187	1678.624	1677.880
4.0	1678.062	1678.458	1678.482	1678.997	1678.997	1678.704	1678.616	1678.442	1677.911	1677.159
4.5	1677.349	1677.872	1677.555	1678.054	1678.046	1677.935	1677.563	1677.309	1676.779	1676.224
5.0	1676.588	1676.755	1676.969	1677.167	1677.167	1677.000	1676.604	1676.073	1675.646	1674.719
5.5	1675.289	1675.994	1676.034	1676.042	1676.026	1675.677	1675.281	1674.917	1673.958	1673.396
6.0	1674.148	1675.059	1675.091	1674.917	1674.901	1674.727	1673.784	1673.610	1672.691	1671.788
6.5	1672.841	1673.808	1673.594	1673.610	1673.594	1673.237	1672.651	1672.295	1671.209	1670.282
7.0	1671.693	1672.493	1672.350	1672.469	1671.883	1671.637	1671.130	1670.599	1669.514	1668.579
7.5	1670.457	1671.344	1670.853	1671.138	1670.290	1669.760	1669.356	1668.698	1667.431	1666.694
8.0	1668.777	1669.641	1669.324	1669.371	1668.413	1667.850	1667.470	1666.749	1665.711	1664.793
8.5	1666.900	1667.961	1667.446	1667.486	1666.520	1665.973	1665.403	1664.333	1663.430	1662.535
9.0	1664.991	1665.981	1665.537	1665.212	1664.626	1664.254	1663.129	1662.036	1661.140	1660.222
9.5	1662.947	1664.278	1663.676	1663.335	1662.582	1662.004	1660.689	1659.612	1658.724	1657.782
10.0	1660.855	1661.869	1661.418	1661.069	1660.317	1659.746	1658.423	1657.164	1656.268	1655.167
10.5	1658.772	1659.580	1658.922	1658.780	1657.853	1656.902	1655.429	1654.510	1653.440	1652.339
11.0	1656.633	1657.481	1656.625	1656.110	1655.381	1654.034	1652.743	1651.832	1650.588	1649.123
11.5	1653.638	1655.001	1653.789	1653.622	1652.910	1651.365	1649.899	1648.798	1647.214	1646.073
12.0	1650.984	1652.355	1651.333	1650.818	1650.081	1648.544	1646.897	1645.423	1643.665	1642.698
12.5	1648.156	1649.337	1648.663	1647.974	1647.261	1645.716	1643.878	1642.033	1640.068	1639.157
13.0	1645.146	1646.176	1645.859	1644.782	1644.259	1642.365	1640.155	1638.626	1636.693	1635.418
13.5	1642.318	1643.324	1642.492	1641.755	1640.876	1638.967	1636.559	1634.847	1632.946	1631.441
14.0	1639.133	1640.282	1639.593	1638.365	1637.493	1634.998	1632.661	1630.768	1628.961	1627.646
14.5	1635.719	1636.899	1636.020	1635.140	1633.889	1631.187	1629.001	1626.569	1624.596	1623.471
15.0	1632.106	1633.493	1632.423	1631.718	1630.094	1627.583	1624.842	1622.584	1620.667	1619.304
15.5	1628.367	1629.563	1628.518	1627.963	1626.149	1623.448	1620.699	1618.449	1616.144	1614.670
16.0	1624.216	1625.777	1624.723	1623.994	1621.966	1619.193	1616.508	1613.894	1611.802	1610.123
16.5	1620.429	1621.784	1620.762	1619.914	1617.807	1614.670	1612.056	1609.457	1607.247	1605.576
17.0	1616.151	1617.554	1616.761	1615.573	1613.529	1609.941	1607.493	1604.942	1602.494	1600.822
17.5	1611.525	1613.474	1612.293	1611.129	1608.713	1605.298	1602.502	1600.125	1597.780	1595.784
18.0	1606.978	1608.927	1607.905	1606.590	1603.769	1600.482	1597.487	1594.802	1592.298	1590.468
18.5	1603.207	1604.229	1603.397	1602.256	1598.905	1595.768	1592.560	1589.565	1586.682	1585.557
19.0	1598.596	1599.682	1598.858	1597.289	1593.914	1590.492	1587.300	1584.424	1581.722	1580.114
19.5	1593.613	1594.667	1593.867	1592.314	1588.749	1585.691	1581.944	1579.227	1576.351	1574.886
20.0	1588.852	1589.534	1588.924	1586.808	1583.457	1580.170	1576.240	1573.167	1570.537	1568.730
20.5	1583.750	1584.424	1583.465	1581.350	1577.817	1574.505	1570.243	1567.296	1564.856	1562.662
21.0	1578.221	1579.282	1578.102	1575.298	1572.113	1568.406	1564.365	1561.410	1558.780	1556.911
21.5	1572.517	1573.436	1572.588	1569.530	1566.401	1562.496	1558.796	1555.667	1552.720	1550.676
22.0	1566.655	1567.566	1566.940	1563.914	1560.547	1556.475	1552.641	1549.464	1546.335	1544.315
22.5	1560.824	1561.767	1560.911	1558.051	1554.558	1550.486	1546.311	1543.071	1539.799	1537.890
23.0	1554.447	1555.477	1554.502	1551.785	1547.888	1544.243	1539.807	1536.480	1533.287	1531.386
23.5	1547.983	1549.195	1548.030	1545.606	1541.669	1537.961	1533.454	1529.857	1526.672	1524.763
24.0	1541.510	1542.596	1541.708	1538.761	1535.006	1530.768	1526.562	1523.203	1519.551	1517.507
24.5	1534.824	1535.909	1534.404	1531.869	1528.122	1523.979	1519.527	1515.954	1512.468	1510.876
25.0	1527.861	1529.461	1527.924	1525.239	1521.159	1516.960	1512.342	1509.133	1505.243	1503.849
25.5	1521.293	1522.513	1520.945	1518.093	1513.831	1510.131	1505.521	1501.465	1497.908	1496.521
26.0	1513.966	1515.328	1513.617	1510.821	1506.519	1502.851	1497.583	1493.796	1490.532	1488.583
26.5	1506.408	1507.620	1506.194	1503.231	1498.739	1494.660	1489.906	1486.405	1482.697	1480.733

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CANDELA TABULATION - (Cont.)

27.0	1498.613	1500.047	1498.922	1495.476	1491.166	1487.118	1482.285	1478.578	1475.108	1472.787
27.5	1490.857	1492.291	1491.198	1487.530	1483.228	1479.315	1474.348	1470.490	1467.321	1464.485
28.0	1482.539	1484.306	1482.856	1479.354	1475.092	1471.115	1465.649	1462.354	1458.464	1456.151
28.5	1473.928	1476.075	1474.569	1471.448	1467.044	1462.520	1457.490	1453.743	1449.671	1447.643
29.0	1465.412	1467.376	1466.473	1462.623	1458.488	1453.869	1449.037	1445.012	1441.147	1439.214
29.5	1456.309	1458.551	1457.553	1453.861	1449.433	1445.298	1440.560	1435.815	1432.258	1430.008
30.0	1447.175	1449.393	1448.094	1445.290	1440.481	1436.124	1431.775	1427.125	1423.219	1420.779
30.5	1437.803	1439.475	1439.000	1435.934	1431.909	1427.030	1422.411	1417.816	1413.681	1411.455
31.0	1428.226	1430.420	1429.683	1426.895	1422.641	1417.943	1413.055	1408.064	1404.167	1401.822
31.5	1418.656	1420.391	1420.225	1416.984	1412.913	1408.579	1403.319	1398.178	1394.462	1392.117
32.0	1408.753	1410.718	1409.839	1407.240	1403.359	1398.613	1393.115	1388.568	1384.884	1381.850
32.5	1398.613	1400.348	1399.992	1397.219	1392.933	1388.766	1383.308	1378.499	1374.887	1372.138
33.0	1387.800	1390.121	1389.646	1386.889	1382.833	1378.246	1373.413	1368.470	1364.382	1362.251
33.5	1376.899	1379.791	1378.642	1376.598	1372.898	1367.955	1362.719	1357.474	1353.917	1351.271
34.0	1366.347	1368.787	1367.599	1365.602	1362.109	1356.944	1351.699	1347.104	1343.096	1340.299
34.5	1355.019	1357.696	1356.928	1355.272	1351.374	1346.637	1341.369	1336.085	1331.664	1329.494
35.0	1344.094	1346.352	1345.766	1343.540	1340.593	1335.356	1330.056	1324.566	1320.304	1317.674
35.5	1332.623	1334.873	1334.120	1332.290	1329.193	1324.178	1318.395	1312.842	1308.651	1305.989
36.0	1320.653	1323.275	1322.570	1320.883	1317.167	1312.422	1306.536	1301.355	1296.871	1293.964
36.5	1308.770	1311.424	1310.663	1308.651	1305.363	1300.452	1294.986	1288.593	1284.703	1281.851
37.0	1296.499	1298.955	1298.376	1296.705	1293.298	1288.402	1282.041	1276.266	1271.996	1269.556
37.5	1283.768	1286.644	1286.010	1284.299	1280.837	1275.680	1269.097	1263.472	1259.059	1256.508
38.0	1271.402	1273.881	1273.842	1271.877	1268.407	1263.139	1256.714	1251.177	1246.218	1243.524
38.5	1258.441	1261.079	1260.794	1259.162	1255.265	1250.393	1243.572	1237.670	1232.568	1229.487
39.0	1245.022	1248.040	1247.794	1246.297	1242.637	1237.290	1230.255	1223.870	1218.309	1215.290
39.5	1231.332	1234.913	1234.747	1232.869	1229.336	1223.458	1215.995	1209.761	1204.112	1201.451
40.0	1218.483	1221.145	1221.113	1218.824	1215.362	1209.602	1202.441	1195.699	1189.512	1186.834
40.5	1204.580	1207.416	1207.487	1205.095	1201.363	1195.889	1188.126	1180.980	1174.302	1171.070
41.0	1190.312	1193.711	1193.299	1191.501	1187.571	1181.337	1173.106	1164.867	1158.268	1154.933
41.5	1176.457	1179.610	1179.372	1176.472	1172.813	1166.467	1157.674	1149.862	1143.176	1139.540
42.0	1162.007	1165.239	1165.104	1162.260	1158.157	1151.946	1143.398	1135.096	1127.126	1123.403
42.5	1147.304	1150.370	1150.306	1147.739	1143.604	1136.934	1127.602	1118.365	1110.300	1106.038
43.0	1132.909	1135.951	1135.357	1132.727	1128.164	1121.708	1111.884	1101.435	1092.840	1088.530
43.5	1116.986	1120.773	1119.949	1117.050	1112.479	1105.056	1095.256	1084.958	1076.243	1071.577
44.0	1102.006	1105.547	1104.810	1101.887	1096.769	1089.845	1079.990	1068.036	1058.672	1053.824
44.5	1086.336	1089.853	1089.307	1085.845	1080.901	1074.160	1063.235	1050.917	1040.238	1035.112
45.0	1071.070	1074.239	1073.685	1070.817	1065.446	1057.706	1046.211	1033.702	1021.518	1017.304
45.5	1054.291	1058.276	1057.381	1054.149	1049.039	1041.299	1029.353	1015.299	1003.234	998.220
46.0	1039.010	1042.107	1041.371	1038.321	1033.037	1025.107	1012.788	997.586	984.697	979.365
46.5	1022.461	1025.376	1024.568	1021.653	1016.900	1008.471	994.876	978.343	964.947	959.053
47.0	1005.809	1008.788	1008.185	1005.175	1000.018	991.359	976.703	959.386	944.096	938.717
47.5	989.244	992.326	991.422	988.079	983.532	975.024	959.901	940.460	924.600	918.532
48.0	972.782	975.681	974.406	971.863	966.888	958.396	942.132	920.798	904.574	897.927
48.5	955.671	958.934	957.192	954.672	950.648	941.110	922.802	901.207	883.897	876.862
49.0	939.161	941.031	940.056	937.355	933.671	923.238	904.011	880.871	862.302	856.360
49.5	921.067	923.578	922.557	920.029	916.362	905.722	884.967	860.329	841.681	834.789
50.0	904.003	906.348	904.993	903.829	899.789	888.682	866.152	839.637	820.482	813.922
50.5	886.599	889.039	887.478	886.440	883.026	869.780	845.784	818.897	800.098	793.420
51.0	869.566	870.984	869.978	869.653	866.009	851.758	825.987	798.387	780.151	773.449
51.5	850.926	853.849	853.104	852.993	849.159	833.236	806.222	778.265	759.577	753.604
52.0	834.456	836.286	835.613	836.159	831.319	814.778	785.878	757.565	740.026	733.807
52.5	817.257	818.232	818.572	818.945	814.081	795.670	765.321	738.275	721.163	714.897
53.0	799.013	800.431	800.740	801.722	796.011	776.229	745.801	719.056	702.515	696.954
53.5	781.363	783.106	783.937	784.856	778.717	757.177	726.503	700.051	684.255	678.614
54.0	764.465	764.877	766.818	767.737	761.407	737.982	706.310	681.046	666.660	661.257
54.5	747.179	748.376	750.150	750.792	743.298	718.319	686.980	663.745	649.723	644.859

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CANDELA TABULATION - (Cont.)

55.0	730.313	731.446	733.221	734.219	724.950	699.006	668.854	646.348	633.404	628.848
55.5	712.837	714.501	716.371	717.004	706.872	679.700	651.054	628.936	616.767	612.093
56.0	695.789	696.478	699.513	699.877	688.248	660.893	632.160	611.895	600.844	596.590
56.5	679.201	680.524	682.940	682.393	669.971	641.690	614.739	596.099	585.420	581.269
57.0	662.992	664.434	666.557	665.781	651.521	623.755	598.206	580.564	570.075	566.946
57.5	646.815	648.297	649.913	648.503	633.514	605.780	582.093	564.688	555.126	550.508
58.0	630.449	631.312	633.443	631.898	615.175	588.454	565.282	546.705	541.271	537.001
58.5	614.723	616.094	617.742	614.882	597.818	571.414	546.357	532.913	527.423	523.510
59.0	599.466	600.218	601.850	598.127	579.756	555.530	532.216	519.255	513.575	510.010
59.5	584.057	584.699	585.412	581.095	562.280	540.003	518.233	505.598	499.728	496.519
60.0	569.006	568.839	569.695	564.062	555.427	524.492	504.251	491.948	485.880	483.511
60.5	555.039	555.602	554.627	550.611	537.389	508.981	490.269	479.123	473.181	471.319
61.0	541.176	541.516	540.019	534.331	518.820	493.469	476.667	466.099	461.148	459.223
61.5	527.312	527.368	525.419	517.917	500.251	477.950	462.914	453.281	448.686	447.387
62.0	513.441	513.227	510.811	501.510	481.689	463.659	449.471	441.113	437.286	436.082
62.5	499.577	499.086	496.210	485.096	466.804	449.724	436.970	429.404	425.855	424.762
63.0	485.714	484.945	481.602	470.393	452.655	437.017	424.714	417.687	415.176	413.877
63.5	472.737	471.811	467.755	455.483	438.665	423.653	412.364	406.399	404.291	403.515
64.0	459.975	458.834	454.485	441.572	425.237	410.985	400.695	395.847	394.159	393.517
64.5	447.989	446.508	440.836	428.160	412.134	398.603	389.802	385.358	384.066	383.464
65.0	436.074	434.411	428.731	414.994	399.269	387.116	378.632	374.845	374.124	373.499
65.5	424.279	422.559	416.230	402.224	387.315	375.455	367.858	365.014	364.547	364.087
66.0	412.887	411.128	404.386	389.913	375.265	364.024	357.322	355.460	355.222	354.937
66.5	401.994	399.800	392.575	378.252	363.897	353.131	347.689	346.025	346.088	345.787
67.0	391.347	389.105	381.698	366.947	352.917	342.856	337.422	336.828	337.137	336.764
67.5	380.763	378.616	370.710	356.197	342.215	332.653	328.201	328.066	328.628	328.343
68.0	370.670	368.516	360.514	345.621	331.956	322.901	319.106	319.486	320.342	320.104
68.5	361.061	358.471	350.137	335.703	322.093	313.434	310.479	311.176	312.000	311.960
69.0	351.507	348.861	340.812	326.070	312.673	304.205	301.598	303.119	304.023	303.959
69.5	342.096	339.442	331.068	316.603	303.262	295.174	293.360	295.308	296.338	296.457
70.0	333.191	330.530	322.156	307.778	294.413	286.666	285.232	287.513	288.852	288.820
70.5	324.501	321.863	313.442	299.412	285.968	278.553	277.714	280.114	281.461	281.524
71.0	316.230	313.315	305.258	290.611	277.912	270.616	270.101	273.111	274.545	274.577
71.5	308.063	305.037	297.004	282.942	270.053	262.900	263.058	266.306	267.700	267.875
72.0	299.864	296.932	288.971	275.036	262.282	255.437	256.023	259.319	260.761	260.856
72.5	291.981	289.074	281.120	267.629	254.962	248.394	249.194	252.553	254.146	254.233
73.0	284.344	281.342	273.610	260.024	247.903	241.621	242.516	246.255	247.974	247.887
73.5	276.921	273.547	266.179	253.179	241.146	234.982	236.448	240.060	241.566	241.669
74.0	269.483	266.187	259.034	246.287	234.475	228.724	230.197	233.770	235.141	235.030
74.5	262.147	258.915	251.912	239.545	227.963	222.577	224.058	227.583	228.708	228.558
75.0	254.756	251.516	244.513	232.685	221.761	216.587	218.006	221.380	222.505	222.196
75.5	247.539	244.188	237.470	226.419	215.653	210.686	212.302	215.066	215.977	215.669
76.0	240.456	237.050	230.570	219.804	209.751	204.958	206.297	208.610	209.323	208.895
76.5	233.279	229.920	223.630	213.522	203.896	199.381	200.213	202.177	202.898	202.494
77.0	225.753	222.711	216.500	206.954	198.153	193.867	194.255	196.014	196.394	195.903
77.5	218.449	215.629	209.545	200.862	192.394	188.187	188.171	189.304	189.764	189.209
78.0	211.098	208.412	202.637	194.240	186.642	182.404	181.873	182.634	182.927	182.333
78.5	203.580	201.005	196.751	187.965	180.836	176.534	175.456	175.948	176.201	175.884
79.0	195.642	196.062	189.360	181.113	174.997	170.434	169.000	169.507	169.436	168.945
79.5	187.989	188.932	181.564	174.926	169.111	164.366	162.575	162.544	162.559	162.116
80.0	180.226	179.140	174.498	168.406	163.003	158.131	155.945	155.683	155.596	155.208
80.5	172.193	171.321	167.360	161.625	156.586	151.572	149.211	148.926	148.767	148.435
81.0	164.001	163.716	160.064	154.685	150.185	144.957	142.358	141.994	141.574	141.360
81.5	155.873	157.648	152.807	147.959	143.174	138.176	135.435	134.777	134.325	134.167
82.0	147.286	149.496	145.329	140.893	136.068	131.252	128.218	127.330	127.037	126.744
82.5	138.548	140.140	137.684	133.525	128.479	123.853	120.826	120.002	119.646	119.424

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83.0	129.842	132.939	130.127	125.873	121.254	116.628	113.720	112.738	112.176	112.176
83.5	121.048	125.786	122.490	117.998	113.277	109.284	106.337	105.014	104.602	104.665
84.0	112.025	117.127	114.631	109.918	105.664	101.544	98.415	97.464	96.886	97.029
84.5	102.542	108.254	106.519	101.457	97.195	93.543	90.588	89.685	89.273	89.186
85.0	93.084	99.279	98.043	92.830	88.814	85.233	82.714	81.676	81.280	81.264
85.5	83.680	89.693	89.099	83.934	79.798	76.962	74.578	73.540	73.001	73.207
86.0	74.221	82.215	79.870	74.990	71.203	68.280	66.172	65.491	64.834	65.119
86.5	65.087	72.621	70.363	65.784	62.188	59.558	57.633	57.332	56.777	56.991
87.0	55.509	62.481	60.445	56.310	52.539	50.931	49.473	49.322	48.823	49.037
87.5	45.544	53.307	51.049	46.684	43.595	42.319	41.313	41.313	40.862	41.091
88.0	35.546	41.955	40.275	37.059	34.667	33.700	33.154	33.296	32.908	33.146
88.5	25.556	30.587	29.446	27.434	25.731	25.081	24.994	25.287	24.954	25.208
89.0	15.559	19.219	18.617	17.809	16.795	16.462	16.834	17.278	16.993	17.262
89.5	5.561	7.851	7.787	8.183	8.976	9.300	9.792	10.069	9.934	10.283
90.0	4.096	6.258	6.100	2.329	3.066	3.446	4.056	4.262	4.333	4.745
90.5	3.018	4.951	4.777	0.840	2.448	2.551	2.868	3.066	3.193	3.454
91.0	1.941	3.636	3.454	0.792	1.854	1.854	2.004	2.107	2.171	2.353
91.5	0.863	2.321	2.131	0.800	1.260	1.157	1.141	1.141	1.157	1.252
92.0	0.808	1.014	0.808	0.792	0.673	0.459	0.277	0.182	0.135	0.158
92.5	0.863	1.022	0.792	0.761	0.626	0.428	0.222	0.135	0.119	0.119
93.0	0.863	1.046	0.848	0.784	0.618	0.428	0.222	0.143	0.127	0.127
93.5	0.903	1.093	0.911	0.816	0.642	0.436	0.246	0.151	0.135	0.135
94.0	0.903	1.093	0.951	0.840	0.673	0.444	0.261	0.174	0.151	0.151
94.5	0.903	1.093	1.022	0.871	0.634	0.467	0.277	0.190	0.166	0.158
95.0	0.919	1.141	1.046	0.895	0.650	0.444	0.285	0.206	0.174	0.166
95.5	0.919	1.172	1.046	0.879	0.673	0.452	0.277	0.214	0.182	0.174
96.0	0.935	1.204	1.077	0.871	0.713	0.467	0.277	0.214	0.182	0.174
96.5	0.959	1.252	1.101	0.863	0.713	0.483	0.285	0.214	0.190	0.174
97.0	0.966	1.268	1.125	0.863	0.705	0.499	0.293	0.214	0.190	0.182
97.5	0.959	1.307	1.133	0.871	0.697	0.491	0.293	0.214	0.190	0.182
98.0	0.943	1.394	1.141	0.871	0.673	0.483	0.293	0.214	0.182	0.182
98.5	0.927	1.513	1.149	0.871	0.658	0.475	0.293	0.206	0.182	0.182
99.0	0.911	1.561	1.125	0.871	0.650	0.459	0.285	0.206	0.182	0.174
99.5	0.903	1.529	1.101	0.887	0.650	0.452	0.277	0.206	0.182	0.174
100.0	0.895	1.458	1.077	0.903	0.665	0.436	0.277	0.206	0.182	0.174
100.5	0.895	1.386	1.054	0.895	0.681	0.428	0.277	0.206	0.174	0.174
101.0	0.895	1.323	1.030	0.887	0.689	0.428	0.277	0.206	0.174	0.174
101.5	0.903	1.275	0.998	0.879	0.697	0.436	0.277	0.206	0.182	0.182
102.0	0.903	1.228	0.982	0.895	0.689	0.436	0.277	0.206	0.182	0.182
102.5	0.911	1.188	0.959	0.895	0.673	0.444	0.277	0.206	0.182	0.182
103.0	0.919	1.157	0.951	0.887	0.665	0.444	0.277	0.214	0.182	0.190
103.5	0.927	1.117	0.935	0.863	0.665	0.444	0.277	0.214	0.190	0.190
104.0	0.951	1.093	0.919	0.840	0.658	0.436	0.285	0.214	0.190	0.190
104.5	0.959	1.069	0.903	0.824	0.658	0.436	0.285	0.214	0.190	0.198
105.0	0.966	1.046	0.887	0.808	0.658	0.428	0.293	0.214	0.198	0.198
105.5	0.966	1.030	0.879	0.800	0.650	0.428	0.293	0.214	0.198	0.198
106.0	0.966	1.022	0.879	0.792	0.642	0.428	0.293	0.222	0.206	0.206
106.5	0.966	1.014	0.871	0.792	0.626	0.436	0.301	0.222	0.206	0.206
107.0	0.959	1.006	0.879	0.792	0.618	0.428	0.301	0.222	0.206	0.214
107.5	0.951	0.982	0.887	0.776	0.602	0.428	0.301	0.222	0.214	0.214
108.0	0.935	0.974	0.903	0.753	0.594	0.428	0.301	0.230	0.214	0.222
108.5	0.911	0.959	0.895	0.737	0.586	0.428	0.301	0.230	0.222	0.222
109.0	0.887	0.935	0.903	0.721	0.578	0.428	0.309	0.238	0.222	0.230
109.5	0.879	0.919	0.895	0.705	0.578	0.428	0.309	0.246	0.230	0.230
110.0	0.879	0.911	0.879	0.697	0.578	0.428	0.317	0.246	0.230	0.238
110.5	0.879	0.903	0.863	0.689	0.570	0.428	0.317	0.254	0.238	0.238

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111.0	0.871	0.903	0.848	0.673	0.570	0.428	0.325	0.261	0.238	0.246
111.5	0.863	0.895	0.832	0.665	0.562	0.428	0.333	0.261	0.246	0.254
112.0	0.856	0.879	0.816	0.658	0.562	0.428	0.333	0.269	0.254	0.254
112.5	0.848	0.863	0.800	0.658	0.562	0.436	0.341	0.277	0.254	0.261
113.0	0.832	0.848	0.792	0.665	0.555	0.428	0.341	0.277	0.261	0.261
113.5	0.840	0.832	0.768	0.665	0.547	0.428	0.341	0.285	0.261	0.269
114.0	0.848	0.824	0.753	0.665	0.547	0.428	0.341	0.293	0.269	0.277
114.5	0.848	0.832	0.737	0.665	0.547	0.436	0.341	0.293	0.277	0.285
115.0	0.856	0.832	0.737	0.665	0.555	0.444	0.341	0.301	0.277	0.285
115.5	0.856	0.832	0.721	0.665	0.555	0.444	0.349	0.309	0.285	0.293
116.0	0.856	0.824	0.721	0.658	0.555	0.452	0.349	0.309	0.293	0.301
116.5	0.863	0.832	0.729	0.650	0.555	0.452	0.349	0.317	0.301	0.309
117.0	0.863	0.824	0.729	0.650	0.547	0.452	0.356	0.325	0.309	0.317
117.5	0.863	0.816	0.729	0.650	0.547	0.452	0.356	0.325	0.309	0.317
118.0	0.856	0.808	0.721	0.650	0.555	0.452	0.364	0.333	0.317	0.325
118.5	0.863	0.800	0.721	0.650	0.555	0.459	0.372	0.333	0.325	0.333
119.0	0.856	0.800	0.713	0.650	0.562	0.459	0.380	0.341	0.341	0.341
119.5	0.848	0.800	0.721	0.650	0.570	0.459	0.388	0.341	0.341	0.341
120.0	0.856	0.784	0.721	0.658	0.570	0.459	0.388	0.349	0.341	0.349
120.5	0.856	0.784	0.721	0.658	0.570	0.459	0.396	0.349	0.349	0.356
121.0	0.840	0.800	0.729	0.658	0.578	0.467	0.396	0.356	0.356	0.364
121.5	0.856	0.792	0.721	0.658	0.578	0.467	0.404	0.364	0.364	0.372
122.0	0.848	0.792	0.713	0.658	0.586	0.467	0.404	0.364	0.372	0.372
122.5	0.848	0.784	0.721	0.665	0.586	0.475	0.404	0.372	0.372	0.380
123.0	0.840	0.784	0.729	0.673	0.586	0.483	0.412	0.380	0.380	0.388
123.5	0.832	0.792	0.721	0.681	0.586	0.491	0.412	0.380	0.388	0.396
124.0	0.832	0.784	0.721	0.681	0.586	0.491	0.420	0.388	0.396	0.404
124.5	0.848	0.784	0.713	0.697	0.586	0.499	0.428	0.388	0.404	0.412
125.0	0.840	0.792	0.713	0.697	0.586	0.499	0.428	0.396	0.404	0.420
125.5	0.840	0.792	0.721	0.697	0.594	0.507	0.436	0.404	0.412	0.428
126.0	0.840	0.792	0.729	0.689	0.594	0.507	0.436	0.404	0.420	0.436
126.5	0.832	0.792	0.729	0.697	0.602	0.507	0.444	0.412	0.420	0.436
127.0	0.832	0.784	0.729	0.697	0.610	0.515	0.452	0.420	0.428	0.444
127.5	0.848	0.776	0.737	0.697	0.610	0.515	0.452	0.428	0.428	0.444
128.0	0.832	0.784	0.737	0.705	0.610	0.523	0.459	0.436	0.436	0.452
128.5	0.824	0.784	0.745	0.697	0.610	0.523	0.459	0.444	0.436	0.459
129.0	0.848	0.784	0.753	0.697	0.610	0.523	0.467	0.452	0.444	0.467
129.5	0.848	0.792	0.753	0.705	0.618	0.531	0.475	0.459	0.444	0.467
130.0	0.832	0.784	0.745	0.697	0.618	0.531	0.475	0.467	0.452	0.475
130.5	0.824	0.776	0.745	0.713	0.618	0.539	0.483	0.475	0.459	0.483
131.0	0.840	0.784	0.745	0.705	0.626	0.539	0.491	0.483	0.467	0.491
131.5	0.840	0.768	0.737	0.713	0.626	0.539	0.499	0.483	0.475	0.507
132.0	0.832	0.768	0.737	0.721	0.626	0.539	0.507	0.491	0.475	0.507
132.5	0.832	0.761	0.745	0.721	0.626	0.531	0.507	0.499	0.483	0.515
133.0	0.840	0.761	0.737	0.713	0.626	0.531	0.515	0.499	0.491	0.523
133.5	0.832	0.753	0.745	0.713	0.634	0.539	0.515	0.499	0.491	0.523
134.0	0.816	0.761	0.745	0.713	0.626	0.539	0.523	0.507	0.491	0.523
134.5	0.824	0.761	0.753	0.705	0.618	0.539	0.523	0.507	0.499	0.531
135.0	0.824	0.768	0.745	0.705	0.618	0.539	0.539	0.507	0.499	0.531
135.5	0.824	0.768	0.745	0.705	0.618	0.539	0.547	0.507	0.499	0.531
136.0	0.824	0.776	0.753	0.705	0.618	0.539	0.547	0.515	0.499	0.531
136.5	0.824	0.776	0.753	0.705	0.618	0.547	0.555	0.515	0.507	0.539
137.0	0.824	0.776	0.761	0.713	0.626	0.555	0.555	0.523	0.507	0.539
137.5	0.824	0.768	0.761	0.713	0.626	0.555	0.562	0.531	0.515	0.539
138.0	0.824	0.761	0.768	0.713	0.626	0.555	0.562	0.531	0.515	0.547
138.5	0.824	0.768	0.768	0.705	0.626	0.555	0.562	0.539	0.523	0.555

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139.0	0.824	0.776	0.761	0.705	0.626	0.555	0.562	0.547	0.531	0.555
139.5	0.816	0.776	0.768	0.705	0.618	0.555	0.570	0.547	0.531	0.555
140.0	0.816	0.784	0.768	0.705	0.602	0.555	0.570	0.555	0.539	0.562
140.5	0.824	0.776	0.761	0.705	0.602	0.562	0.570	0.555	0.539	0.570
141.0	0.824	0.776	0.761	0.713	0.602	0.570	0.570	0.562	0.547	0.570
141.5	0.824	0.768	0.761	0.721	0.594	0.570	0.570	0.562	0.547	0.578
142.0	0.824	0.768	0.761	0.713	0.586	0.586	0.570	0.570	0.555	0.578
142.5	0.816	0.768	0.768	0.721	0.594	0.594	0.578	0.570	0.562	0.578
143.0	0.816	0.768	0.768	0.721	0.602	0.594	0.578	0.570	0.562	0.586
143.5	0.816	0.768	0.768	0.713	0.610	0.602	0.578	0.562	0.570	0.586
144.0	0.816	0.776	0.776	0.697	0.610	0.610	0.578	0.562	0.570	0.586
144.5	0.816	0.776	0.784	0.689	0.610	0.618	0.578	0.562	0.570	0.586
145.0	0.816	0.784	0.776	0.689	0.626	0.618	0.578	0.562	0.570	0.586
145.5	0.808	0.792	0.776	0.681	0.626	0.618	0.586	0.570	0.570	0.586
146.0	0.816	0.792	0.776	0.673	0.634	0.618	0.586	0.570	0.570	0.586
146.5	0.824	0.792	0.768	0.665	0.634	0.626	0.594	0.570	0.570	0.586
147.0	0.824	0.784	0.745	0.681	0.634	0.634	0.594	0.578	0.570	0.586
147.5	0.816	0.776	0.729	0.681	0.642	0.650	0.602	0.578	0.578	0.594
148.0	0.808	0.761	0.729	0.681	0.658	0.673	0.602	0.586	0.578	0.594
148.5	0.784	0.737	0.713	0.689	0.673	0.658	0.602	0.586	0.578	0.594
149.0	0.753	0.729	0.705	0.697	0.681	0.658	0.610	0.594	0.586	0.594
149.5	0.745	0.721	0.705	0.697	0.697	0.658	0.610	0.594	0.594	0.602
150.0	0.737	0.705	0.713	0.697	0.705	0.665	0.610	0.594	0.594	0.602
150.5	0.721	0.705	0.721	0.697	0.705	0.665	0.602	0.602	0.594	0.602
151.0	0.713	0.713	0.729	0.705	0.705	0.665	0.594	0.610	0.602	0.602
151.5	0.721	0.721	0.761	0.721	0.705	0.665	0.586	0.610	0.610	0.610
152.0	0.729	0.721	0.761	0.729	0.705	0.665	0.586	0.610	0.618	0.618
152.5	0.737	0.737	0.761	0.737	0.705	0.673	0.586	0.610	0.618	0.618
153.0	0.761	0.753	0.768	0.745	0.713	0.665	0.586	0.618	0.610	0.618
153.5	0.776	0.753	0.776	0.745	0.721	0.665	0.586	0.634	0.610	0.610
154.0	0.776	0.761	0.792	0.753	0.729	0.658	0.594	0.634	0.602	0.602
154.5	0.784	0.768	0.800	0.768	0.721	0.658	0.602	0.626	0.610	0.602
155.0	0.792	0.784	0.800	0.784	0.721	0.658	0.610	0.626	0.610	0.610
155.5	0.800	0.800	0.800	0.776	0.721	0.650	0.610	0.626	0.610	0.610
156.0	0.816	0.816	0.808	0.768	0.721	0.642	0.610	0.634	0.610	0.610
156.5	0.816	0.816	0.816	0.768	0.721	0.634	0.610	0.634	0.618	0.610
157.0	0.824	0.824	0.808	0.776	0.713	0.634	0.602	0.634	0.618	0.610
157.5	0.832	0.832	0.808	0.784	0.705	0.626	0.602	0.634	0.618	0.610
158.0	0.832	0.832	0.808	0.792	0.705	0.626	0.610	0.634	0.626	0.610
158.5	0.832	0.848	0.816	0.800	0.705	0.618	0.610	0.634	0.626	0.610
159.0	0.840	0.871	0.816	0.800	0.697	0.626	0.610	0.642	0.626	0.610
159.5	0.840	0.863	0.816	0.800	0.705	0.626	0.610	0.650	0.634	0.610
160.0	0.840	0.848	0.816	0.792	0.713	0.626	0.610	0.650	0.634	0.618
160.5	0.840	0.856	0.808	0.792	0.713	0.626	0.610	0.642	0.634	0.618
161.0	0.840	0.856	0.816	0.784	0.721	0.626	0.618	0.634	0.634	0.618
161.5	0.840	0.848	0.816	0.776	0.721	0.634	0.626	0.634	0.626	0.618
162.0	0.840	0.840	0.808	0.776	0.729	0.642	0.618	0.634	0.626	0.610
162.5	0.840	0.840	0.800	0.784	0.737	0.642	0.618	0.634	0.626	0.610
163.0	0.848	0.848	0.800	0.784	0.745	0.650	0.626	0.634	0.626	0.618
163.5	0.848	0.840	0.800	0.776	0.745	0.658	0.634	0.634	0.634	0.626
164.0	0.840	0.840	0.800	0.784	0.745	0.673	0.642	0.634	0.634	0.626
164.5	0.840	0.840	0.808	0.784	0.753	0.681	0.650	0.650	0.634	0.634
165.0	0.840	0.840	0.808	0.784	0.768	0.689	0.658	0.658	0.642	0.642
165.5	0.848	0.848	0.816	0.792	0.768	0.713	0.673	0.658	0.650	0.658
166.0	0.856	0.856	0.824	0.784	0.776	0.713	0.689	0.650	0.658	0.697
166.5	0.863	0.856	0.832	0.792	0.784	0.721	0.689	0.665	0.673	0.737

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167.0	0.863	0.856	0.840	0.816	0.784	0.729	0.689	0.673	0.689	0.745
167.5	0.863	0.871	0.848	0.816	0.792	0.737	0.713	0.681	0.697	0.729
168.0	0.879	0.887	0.848	0.824	0.792	0.745	0.713	0.689	0.705	0.713
168.5	0.887	0.887	0.856	0.840	0.792	0.745	0.721	0.689	0.705	0.697
169.0	0.895	0.895	0.863	0.840	0.800	0.737	0.713	0.705	0.705	0.689
169.5	0.895	0.895	0.871	0.840	0.808	0.737	0.705	0.705	0.721	0.697
170.0	0.895	0.895	0.871	0.840	0.808	0.729	0.697	0.705	0.737	0.705
170.5	0.887	0.895	0.871	0.840	0.808	0.737	0.689	0.713	0.737	0.729
171.0	0.887	0.887	0.879	0.848	0.808	0.737	0.681	0.713	0.745	0.761
171.5	0.895	0.903	0.887	0.848	0.816	0.737	0.689	0.713	0.745	0.729
172.0	0.903	0.911	0.895	0.856	0.824	0.745	0.697	0.721	0.745	0.705
172.5	0.911	0.911	0.895	0.871	0.832	0.768	0.705	0.729	0.753	0.705
173.0	0.919	0.919	0.903	0.879	0.840	0.784	0.729	0.753	0.753	0.713
173.5	0.927	0.927	0.919	0.895	0.863	0.808	0.745	0.776	0.768	0.721
174.0	0.935	0.943	0.935	0.911	0.887	0.832	0.776	0.800	0.784	0.737
174.5	0.943	0.943	0.943	0.927	0.903	0.856	0.800	0.816	0.800	0.753
175.0	0.943	0.943	0.943	0.935	0.919	0.871	0.800	0.824	0.808	0.768
175.5	0.943	0.943	0.943	0.935	0.927	0.879	0.808	0.832	0.816	0.776
176.0	0.935	0.943	0.943	0.935	0.935	0.887	0.816	0.840	0.824	0.776
176.5	0.935	0.943	0.943	0.935	0.935	0.895	0.832	0.856	0.832	0.784
177.0	0.935	0.943	0.935	0.935	0.927	0.895	0.848	0.863	0.832	0.800
177.5	0.927	0.935	0.927	0.927	0.919	0.895	0.856	0.871	0.840	0.816
178.0	0.919	0.935	0.927	0.919	0.919	0.895	0.863	0.863	0.840	0.832
178.5	0.911	0.919	0.919	0.911	0.911	0.895	0.879	0.863	0.848	0.848
179.0	0.903	0.919	0.911	0.903	0.903	0.887	0.887	0.856	0.856	0.863
179.5	0.903	0.919	0.919	0.903	0.895	0.887	0.895	0.848	0.856	0.871
180.0	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903

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	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725
0.5	1679.900	1679.733	1679.725	1679.718	1679.718	1679.353	1679.353	1679.163	1679.155	1679.337
1.0	1680.090	1679.916	1679.908	1679.718	1679.527	1679.337	1679.155	1678.775	1678.593	1678.783
1.5	1680.098	1679.916	1679.725	1679.535	1679.353	1679.163	1678.965	1678.601	1678.220	1678.387
2.0	1679.543	1679.559	1679.543	1679.163	1679.163	1678.973	1678.616	1678.410	1677.808	1677.674
2.5	1679.005	1678.807	1678.989	1678.632	1678.418	1678.236	1677.697	1677.317	1676.921	1676.913
3.0	1678.442	1678.236	1678.244	1677.888	1677.880	1677.484	1676.755	1676.359	1675.978	1675.788
3.5	1677.515	1677.349	1677.111	1676.945	1676.786	1676.414	1675.820	1675.598	1674.846	1674.632
4.0	1676.929	1676.406	1676.034	1675.622	1675.448	1675.281	1674.869	1674.521	1673.895	1673.317
4.5	1675.701	1675.448	1674.727	1674.370	1674.109	1674.125	1673.626	1673.190	1672.382	1671.994
5.0	1674.204	1673.760	1673.578	1673.229	1672.865	1672.619	1672.310	1671.677	1670.686	1670.465
5.5	1672.857	1672.318	1672.247	1671.906	1671.542	1671.186	1670.615	1670.076	1669.165	1668.872
6.0	1671.360	1670.829	1670.568	1670.401	1670.037	1669.680	1669.268	1668.738	1667.747	1667.343
6.5	1669.680	1669.134	1668.872	1668.524	1668.349	1667.993	1667.779	1667.232	1666.044	1665.632
7.0	1667.771	1667.248	1667.098	1666.813	1666.630	1666.290	1665.696	1665.347	1664.151	1663.755
7.5	1665.886	1665.545	1665.022	1664.872	1664.682	1664.396	1663.739	1663.264	1662.075	1661.861
8.0	1663.755	1663.271	1662.939	1662.598	1662.432	1662.265	1661.647	1661.299	1659.810	1659.738
8.5	1662.036	1661.140	1661.045	1660.515	1660.166	1659.833	1659.564	1659.406	1657.694	1657.259
9.0	1659.588	1658.700	1658.582	1658.067	1657.892	1657.362	1656.918	1656.791	1655.183	1654.755
9.5	1657.164	1656.443	1655.959	1655.809	1655.476	1655.294	1654.462	1654.169	1652.894	1651.753
10.0	1654.526	1654.011	1653.662	1653.361	1652.854	1652.672	1652.014	1651.357	1649.891	1649.123
10.5	1651.674	1651.000	1650.858	1650.517	1650.192	1649.836	1649.162	1648.521	1647.039	1646.453
11.0	1648.465	1647.958	1647.792	1647.483	1647.166	1647.000	1646.310	1645.661	1644.013	1643.443
11.5	1645.249	1644.782	1644.393	1644.267	1643.973	1643.831	1643.268	1642.666	1640.995	1640.417
12.0	1641.668	1641.573	1641.375	1641.232	1640.773	1640.599	1640.258	1639.458	1637.739	1636.598

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12.5	1638.444	1638.175	1637.984	1637.668	1637.541	1637.216	1637.066	1636.044	1634.332	1632.986
13.0	1634.483	1634.269	1634.420	1634.095	1634.000	1633.667	1633.358	1632.693	1630.950	1629.405
13.5	1630.577	1630.300	1630.665	1630.522	1630.245	1630.078	1629.754	1629.112	1627.535	1625.840
14.0	1626.458	1626.490	1626.498	1626.601	1626.672	1626.276	1625.983	1625.491	1623.559	1622.077
14.5	1622.449	1622.196	1622.497	1622.782	1622.687	1622.655	1622.014	1621.578	1619.471	1618.679
15.0	1618.116	1617.823	1618.417	1618.631	1618.686	1618.583	1618.013	1617.585	1615.502	1614.100
15.5	1613.601	1613.315	1614.084	1613.941	1614.535	1614.242	1614.250	1613.450	1611.501	1609.861
16.0	1609.037	1608.934	1609.370	1609.743	1610.186	1610.067	1609.972	1609.267	1607.295	1605.251
16.5	1604.245	1604.371	1604.641	1605.306	1605.734	1605.520	1605.449	1604.918	1602.779	1600.917
17.0	1599.864	1599.579	1599.880	1600.593	1601.020	1601.060	1600.696	1600.458	1598.271	1596.196
17.5	1594.873	1594.564	1594.715	1595.578	1596.006	1596.608	1596.077	1595.673	1593.455	1591.633
18.0	1589.676	1589.248	1589.724	1590.231	1591.245	1591.704	1591.055	1590.706	1588.686	1586.555
18.5	1584.305	1583.980	1584.440	1584.931	1585.818	1586.594	1586.159	1585.462	1583.188	1581.382
19.0	1578.775	1578.712	1579.013	1579.092	1580.320	1581.303	1581.081	1580.320	1578.237	1575.646
19.5	1573.563	1572.945	1573.436	1573.713	1574.775	1576.106	1575.892	1574.767	1572.763	1570.378
20.0	1567.534	1567.296	1567.550	1568.223	1569.649	1570.624	1570.568	1569.095	1567.407	1564.722
20.5	1561.696	1561.252	1561.711	1562.369	1563.803	1564.777	1564.587	1563.636	1561.537	1558.852
21.0	1555.960	1555.350	1555.421	1556.293	1557.948	1558.875	1558.860	1557.790	1555.588	1552.870
21.5	1549.702	1549.290	1549.694	1550.026	1551.841	1552.847	1552.783	1551.508	1549.298	1546.628
22.0	1543.705	1542.905	1543.119	1543.808	1545.281	1546.612	1546.580	1545.297	1543.404	1540.378
22.5	1537.137	1536.226	1536.757	1537.050	1538.872	1540.076	1540.370	1539.474	1536.749	1533.881
23.0	1530.253	1529.889	1530.047	1530.237	1532.376	1533.422	1533.771	1532.820	1530.301	1527.449
23.5	1524.074	1523.424	1524.185	1524.129	1526.023	1526.950	1527.290	1526.158	1523.527	1520.501
24.0	1516.516	1516.303	1516.952	1517.174	1519.131	1520.176	1520.636	1519.741	1516.746	1513.720
24.5	1509.743	1509.220	1509.640	1510.282	1511.470	1512.975	1513.569	1512.516	1509.474	1506.400
25.0	1503.002	1501.995	1502.257	1503.097	1504.317	1505.703	1505.941	1505.323	1502.051	1498.985
25.5	1495.301	1494.335	1495.095	1496.141	1497.163	1498.225	1498.549	1497.947	1494.509	1491.562
26.0	1487.633	1486.579	1487.039	1488.544	1489.320	1490.287	1491.206	1490.421	1486.746	1483.537
26.5	1479.663	1478.871	1479.188	1480.345	1481.335	1482.610	1483.379	1482.048	1478.903	1475.900
27.0	1472.256	1470.933	1471.203	1472.343	1473.753	1474.863	1475.576	1474.213	1470.648	1467.622
27.5	1463.819	1462.805	1463.471	1464.255	1465.681	1466.877	1467.495	1465.950	1462.655	1458.963
28.0	1455.256	1454.257	1454.543	1456.301	1456.935	1457.838	1458.211	1457.030	1454.131	1450.265
28.5	1446.787	1445.789	1446.058	1447.611	1448.142	1449.393	1449.742	1448.562	1445.100	1441.701
29.0	1438.144	1437.368	1437.811	1438.596	1439.847	1440.703	1441.234	1439.530	1435.886	1432.179
29.5	1428.907	1428.503	1429.216	1429.874	1431.173	1431.656	1431.981	1430.357	1427.022	1423.140
30.0	1419.535	1419.345	1419.416	1420.938	1421.880	1422.173	1422.847	1420.993	1417.602	1413.934
30.5	1409.601	1410.021	1410.599	1411.574	1412.556	1413.016	1413.166	1411.304	1407.803	1404.072
31.0	1400.752	1400.380	1401.164	1402.170	1402.915	1403.517	1403.335	1401.655	1397.734	1393.805
31.5	1390.533	1390.477	1391.357	1392.426	1393.234	1393.630	1393.258	1392.189	1387.911	1383.641
32.0	1380.725	1380.686	1381.304	1382.825	1383.411	1383.696	1383.459	1381.676	1377.620	1373.508
32.5	1370.704	1370.672	1371.370	1372.748	1373.025	1373.849	1372.819	1371.568	1366.838	1362.426
33.0	1360.382	1360.223	1361.340	1362.513	1362.560	1363.226	1362.354	1360.746	1356.484	1352.056
33.5	1349.742	1349.386	1350.297	1351.771	1351.921	1352.388	1351.469	1349.909	1345.916	1341.163
34.0	1338.549	1338.565	1339.254	1340.743	1340.680	1341.329	1340.616	1338.493	1334.556	1329.383
34.5	1327.434	1327.949	1328.583	1329.763	1330.104	1330.405	1329.272	1327.553	1322.950	1317.849
35.0	1316.819	1316.454	1317.650	1318.966	1319.148	1319.259	1318.284	1316.225	1311.416	1306.235
35.5	1304.999	1304.492	1306.314	1307.257	1307.320	1307.613	1306.227	1304.207	1299.683	1294.241
36.0	1293.330	1292.878	1293.956	1294.906	1295.350	1295.825	1294.597	1292.348	1287.697	1282.200
36.5	1280.916	1281.154	1282.120	1282.897	1283.752	1283.657	1282.223	1280.179	1275.648	1269.651
37.0	1267.908	1268.312	1269.778	1271.029	1271.505	1271.125	1270.031	1267.409	1263.068	1257.324
37.5	1255.201	1255.265	1256.912	1258.093	1258.782	1258.196	1257.301	1254.908	1250.155	1244.570
38.0	1242.415	1242.724	1244.301	1245.172	1246.059	1245.727	1245.006	1242.193	1237.662	1231.728
38.5	1228.964	1229.170	1231.245	1232.552	1233.511	1233.131	1231.974	1229.114	1224.290	1218.689
39.0	1214.878	1215.267	1217.651	1219.505	1219.750	1219.568	1218.911	1215.694	1211.480	1205.166
39.5	1200.611	1201.554	1203.487	1206.006	1206.307	1205.760	1205.253	1202.623	1198.401	1192.142
40.0	1186.098	1187.595	1189.766	1192.095	1192.689	1192.348	1192.023	1189.132	1184.957	1178.453

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40.5	1170.816	1172.622	1175.134	1177.946	1179.000	1178.548	1177.788	1175.300	1170.998	1164.764
41.0	1155.131	1157.056	1160.248	1163.599	1164.312	1164.209	1163.702	1160.977	1157.032	1151.075
41.5	1139.968	1142.527	1145.814	1149.189	1149.894	1149.823	1149.403	1147.581	1143.073	1137.385
42.0	1123.823	1128.061	1131.610	1134.565	1135.698	1135.809	1135.381	1133.242	1129.107	1123.657
42.5	1107.242	1110.902	1115.703	1119.577	1120.931	1120.908	1120.607	1118.119	1115.125	1108.161
43.0	1090.059	1094.218	1099.803	1103.812	1105.460	1106.006	1105.206	1102.909	1100.096	1093.165
43.5	1073.019	1077.749	1083.936	1088.015	1089.877	1090.820	1090.123	1088.332	1085.377	1077.994
44.0	1055.892	1061.572	1068.408	1073.027	1074.730	1075.594	1074.651	1073.043	1069.834	1062.546
44.5	1037.703	1044.642	1051.788	1057.001	1059.219	1059.900	1059.671	1057.357	1054.394	1046.900
45.0	1019.633	1026.905	1035.318	1040.816	1042.979	1044.025	1043.993	1041.814	1038.638	1031.001
45.5	1001.642	1009.564	1018.825	1024.639	1027.444	1028.046	1027.911	1026.232	1023.309	1015.093
46.0	983.192	992.437	1002.450	1008.930	1011.758	1012.146	1011.948	1010.451	1007.338	999.186
46.5	963.402	974.010	985.164	992.080	995.273	995.146	995.875	993.522	991.232	983.184
47.0	943.502	954.839	967.688	975.499	977.733	978.827	978.882	976.767	974.485	966.769
47.5	923.919	936.167	950.624	958.847	961.691	962.903	962.959	960.471	958.063	950.307
48.0	904.059	917.795	933.323	942.845	945.427	946.560	946.022	944.295	941.585	933.806
48.5	883.073	898.624	915.102	925.908	928.870	929.092	929.171	927.841	925.195	917.067
49.0	862.492	878.217	896.541	908.701	911.315	912.052	912.147	910.903	908.337	900.605
49.5	842.006	858.460	878.090	891.106	895.352	895.812	895.115	893.974	891.336	883.850
50.0	820.838	838.132	859.727	874.343	879.001	878.471	878.170	876.767	874.565	867.182
50.5	799.900	817.772	840.263	856.772	861.803	861.335	860.789	859.458	857.612	850.641
51.0	779.683	797.817	821.060	839.003	844.153	845.396	844.010	842.703	840.413	832.951
51.5	759.878	777.600	801.778	820.854	828.411	827.738	826.803	825.211	823.603	816.528
52.0	739.836	756.995	781.814	802.863	811.641	810.967	809.668	808.004	806.499	799.536
52.5	720.577	737.095	761.661	784.698	794.347	793.864	792.358	790.608	789.467	783.185
53.0	701.913	717.931	742.386	766.255	776.942	777.734	775.144	773.290	772.205	765.788
53.5	684.025	699.212	723.184	747.805	760.187	760.266	758.547	756.535	755.466	749.128
54.0	665.773	680.112	703.157	728.277	742.806	744.153	741.174	739.701	738.600	732.254
54.5	648.915	662.145	683.938	709.439	725.315	727.042	724.578	722.312	721.211	715.365
55.0	632.160	644.669	665.749	691.155	707.728	710.627	707.744	705.890	705.082	698.855
55.5	616.141	627.613	647.204	672.435	690.672	693.547	691.266	688.984	688.200	682.789
56.0	599.323	610.406	628.737	652.939	672.815	676.602	673.687	671.960	672.269	666.613
56.5	584.049	593.920	611.008	634.386	654.896	660.029	657.890	655.633	654.920	649.889
57.0	568.903	578.290	594.507	616.371	637.547	644.027	641.825	639.266	639.226	633.887
57.5	554.762	562.597	578.512	599.014	619.516	627.470	625.830	623.351	622.804	618.280
58.0	540.684	553.296	561.662	580.794	601.819	611.056	609.099	607.277	607.118	602.587
58.5	526.599	537.563	554.841	564.094	584.493	594.602	594.031	592.003	591.338	587.099
59.0	512.514	521.482	537.975	550.318	567.088	578.322	578.512	576.595	576.207	571.810
59.5	498.428	505.400	520.420	534.125	549.351	561.955	563.096	560.901	561.115	557.051
60.0	484.351	489.318	502.873	517.766	533.293	543.441	548.305	553.201	546.262	542.158
60.5	472.072	476.041	485.326	501.407	517.338	528.516	533.452	537.436	531.479	527.478
61.0	459.595	463.128	471.288	485.048	501.383	513.599	518.598	521.220	517.235	513.401
61.5	447.324	449.962	457.804	470.559	485.428	498.690	503.744	505.004	503.348	499.411
62.0	435.758	437.904	444.496	456.014	470.464	483.773	488.890	488.787	489.928	485.975
62.5	424.524	425.728	431.725	442.372	455.776	469.323	475.415	474.821	476.603	472.634
63.0	413.354	414.186	419.272	429.135	441.834	455.246	462.098	462.471	463.389	459.761
63.5	402.406	402.580	406.945	416.111	427.946	441.224	448.813	449.478	450.992	447.244
64.0	392.456	392.052	395.355	403.634	414.701	427.598	436.051	437.160	438.768	435.013
64.5	382.300	381.373	384.154	391.283	401.780	414.717	423.684	424.817	426.829	423.011
65.0	372.271	370.916	373.079	379.614	389.770	402.168	411.500	413.726	415.366	411.580
65.5	362.709	360.839	362.297	368.199	377.523	389.960	399.712	402.208	404.117	400.560
66.0	353.353	351.357	351.903	357.037	365.901	378.101	388.305	391.133	393.327	389.747
66.5	344.251	341.834	342.048	346.397	354.898	367.153	377.745	380.391	382.728	379.044
67.0	335.243	332.708	332.280	336.075	344.385	356.355	367.224	370.726	372.651	369.292
67.5	326.767	323.669	322.679	326.109	333.896	346.017	356.918	360.625	362.772	359.350
68.0	318.559	315.280	313.632	316.524	324.105	336.376	347.213	351.357	353.377	349.883

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68.5	310.281	306.914	305.068	307.366	314.638	326.822	338.143	341.826	344.203	340.852
69.0	302.367	298.937	296.473	298.430	305.686	317.545	329.056	333.215	335.473	332.035
69.5	294.722	290.951	288.020	289.597	296.600	308.815	320.207	324.382	326.925	323.321
70.0	287.331	283.489	280.098	281.342	288.274	300.632	311.881	316.373	318.385	314.892
70.5	280.051	276.129	272.691	273.594	280.423	292.464	303.920	307.936	310.289	306.875
71.0	273.008	269.316	265.435	265.831	272.747	284.693	296.124	300.394	302.636	299.071
71.5	266.211	262.559	258.273	258.344	265.102	277.159	288.559	292.773	295.221	291.213
72.0	259.446	255.698	251.318	251.151	257.861	269.990	281.049	285.461	287.648	283.806
72.5	252.791	249.139	244.948	244.481	251.017	262.852	273.871	277.935	280.304	276.264
73.0	246.358	243.102	238.436	237.882	244.322	256.118	266.734	271.004	273.285	268.999
73.5	240.306	237.105	232.519	231.623	237.921	249.400	259.897	263.890	266.282	261.695
74.0	233.960	231.164	226.530	225.579	231.861	242.999	253.171	257.093	259.366	254.692
74.5	227.338	225.096	220.873	219.677	225.729	236.654	246.224	250.272	252.553	247.665
75.0	221.254	219.241	215.027	213.910	219.788	230.182	239.442	243.506	245.875	240.662
75.5	214.821	213.189	209.426	208.309	214.005	224.121	232.709	236.535	239.181	233.691
76.0	208.309	207.065	203.912	202.985	208.491	217.910	226.197	229.928	232.408	226.799
76.5	201.678	200.910	198.367	197.575	202.954	211.755	219.503	223.258	225.611	219.717
77.0	195.364	194.564	192.370	192.211	197.258	205.520	212.658	216.397	218.798	212.737
77.5	188.860	188.330	186.603	186.880	191.792	199.349	206.107	209.672	211.985	205.829
78.0	182.230	181.865	180.614	181.596	186.262	193.067	199.436	202.811	205.021	198.977
78.5	175.504	175.464	174.450	176.011	180.725	186.722	192.814	198.050	197.915	193.645
79.0	168.992	168.739	167.938	170.093	174.942	180.226	185.929	191.126	190.690	187.102
79.5	162.187	162.155	161.878	164.207	169.071	173.904	182.151	181.857	183.307	179.592
80.0	155.580	155.501	155.572	158.234	163.265	167.503	175.124	174.498	175.726	171.765
80.5	148.648	148.664	148.815	151.936	157.244	160.793	167.907	167.012	168.200	165.237
81.0	141.685	141.740	141.938	145.591	150.779	154.099	160.817	160.848	160.365	159.224
81.5	134.523	134.555	135.316	138.960	144.149	147.302	153.568	154.099	152.506	151.350
82.0	127.417	127.370	128.360	132.234	137.154	140.473	144.577	144.656	144.275	142.691
82.5	119.947	120.026	121.135	125.041	129.770	133.367	137.954	136.520	135.870	134.880
83.0	112.651	112.849	113.807	118.069	122.347	126.055	129.065	128.519	127.465	127.061
83.5	105.101	105.394	106.567	110.694	114.964	118.743	121.413	120.597	119.060	119.250
84.0	97.433	97.599	99.041	103.168	107.201	111.098	113.942	113.039	110.647	111.423
84.5	89.653	89.875	91.206	95.080	98.906	103.754	106.495	104.927	102.091	102.859
85.0	81.779	82.127	83.292	86.952	90.255	94.525	100.118	96.118	93.099	94.296
85.5	73.374	74.087	75.172	78.491	81.803	85.423	91.768	86.801	84.369	85.708
86.0	65.349	65.697	66.775	70.046	73.001	76.622	82.230	77.881	75.140	76.463
86.5	57.347	57.601	58.322	61.023	64.057	67.654	72.336	69.009	66.244	66.608
87.0	49.386	49.615	50.202	51.984	54.741	58.449	62.528	60.041	56.999	58.298
87.5	41.424	41.638	42.098	43.531	45.956	48.839	52.610	51.889	47.770	50.020
88.0	33.470	33.653	33.993	35.071	37.178	39.214	42.098	41.345	38.049	40.188
88.5	25.509	25.675	25.889	26.618	28.400	29.589	31.553	30.626	30.634	30.357
89.0	17.547	17.698	17.785	18.165	19.623	19.963	21.009	19.908	23.219	20.526
89.5	10.639	10.909	10.821	10.734	10.837	10.338	10.465	9.182	15.804	10.695
90.0	5.023	5.126	4.983	4.674	4.119	3.177	2.186	7.415	8.389	1.188
90.5	3.628	3.818	3.660	3.438	3.224	2.472	1.513	5.799	1.180	1.228
91.0	2.480	2.606	2.543	2.480	2.400	1.941	1.331	4.183	1.125	1.244
91.5	1.331	1.394	1.426	1.521	1.576	1.410	1.141	2.567	1.101	1.236
92.0	0.190	0.190	0.309	0.562	0.753	0.879	0.959	0.951	1.101	1.268
92.5	0.127	0.174	0.277	0.523	0.737	0.824	0.982	1.014	1.109	1.252
93.0	0.135	0.190	0.293	0.539	0.737	0.856	0.959	0.966	1.125	1.283
93.5	0.143	0.198	0.293	0.539	0.729	0.840	0.998	1.022	1.141	1.315
94.0	0.151	0.206	0.293	0.523	0.776	0.887	1.046	1.125	1.149	1.331
94.5	0.166	0.214	0.293	0.531	0.721	0.919	1.054	1.180	1.165	1.363
95.0	0.166	0.214	0.293	0.531	0.745	0.951	1.069	1.172	1.180	1.410
95.5	0.166	0.214	0.301	0.515	0.761	0.927	1.101	1.157	1.196	1.458
96.0	0.174	0.222	0.293	0.531	0.800	0.911	1.117	1.125	1.212	1.545

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96.5	0.182	0.222	0.285	0.539	0.800	0.911	1.149	1.141	1.228	1.624
97.0	0.182	0.230	0.285	0.562	0.784	0.935	1.172	1.172	1.236	1.687
97.5	0.182	0.230	0.301	0.570	0.768	0.959	1.180	1.165	1.236	1.735
98.0	0.182	0.230	0.309	0.555	0.745	0.974	1.172	1.117	1.228	1.782
98.5	0.182	0.230	0.317	0.547	0.729	0.974	1.165	1.077	1.228	1.798
99.0	0.182	0.222	0.317	0.539	0.729	0.990	1.165	1.062	1.228	1.790
99.5	0.182	0.222	0.309	0.523	0.729	1.006	1.149	1.062	1.228	1.751
100.0	0.182	0.222	0.301	0.515	0.745	0.990	1.125	1.062	1.236	1.727
100.5	0.182	0.222	0.301	0.507	0.761	0.990	1.109	1.062	1.236	1.711
101.0	0.182	0.222	0.301	0.507	0.768	0.998	1.085	1.054	1.244	1.687
101.5	0.182	0.222	0.301	0.507	0.768	1.014	1.085	1.054	1.252	1.664
102.0	0.182	0.230	0.301	0.515	0.776	0.990	1.101	1.054	1.260	1.616
102.5	0.190	0.230	0.309	0.515	0.784	0.959	1.101	1.054	1.260	1.576
103.0	0.190	0.238	0.309	0.531	0.784	0.935	1.085	1.038	1.260	1.521
103.5	0.190	0.238	0.317	0.531	0.784	0.927	1.085	1.030	1.260	1.497
104.0	0.198	0.238	0.317	0.531	0.776	0.911	1.069	1.046	1.275	1.458
104.5	0.198	0.246	0.317	0.531	0.776	0.903	1.069	1.046	1.275	1.426
105.0	0.206	0.246	0.317	0.539	0.784	0.895	1.069	1.030	1.291	1.410
105.5	0.206	0.246	0.325	0.539	0.784	0.895	1.069	1.014	1.299	1.386
106.0	0.214	0.254	0.325	0.531	0.761	0.871	1.077	1.006	1.291	1.355
106.5	0.214	0.254	0.333	0.531	0.721	0.848	1.069	0.982	1.275	1.339
107.0	0.214	0.261	0.333	0.531	0.697	0.824	1.077	0.966	1.268	1.331
107.5	0.222	0.261	0.333	0.523	0.697	0.808	1.085	0.959	1.252	1.315
108.0	0.230	0.261	0.341	0.523	0.697	0.792	1.093	0.951	1.236	1.283
108.5	0.230	0.269	0.341	0.523	0.697	0.784	1.101	0.943	1.212	1.260
109.0	0.230	0.269	0.341	0.515	0.697	0.776	1.093	0.943	1.196	1.244
109.5	0.230	0.277	0.341	0.523	0.697	0.768	1.093	0.935	1.172	1.244
110.0	0.238	0.277	0.341	0.523	0.689	0.761	1.093	0.919	1.157	1.236
110.5	0.246	0.285	0.349	0.523	0.681	0.753	1.046	0.911	1.141	1.228
111.0	0.254	0.285	0.356	0.539	0.673	0.745	1.014	0.879	1.125	1.220
111.5	0.254	0.285	0.356	0.547	0.665	0.745	0.998	0.871	1.117	1.212
112.0	0.261	0.293	0.372	0.555	0.658	0.753	0.959	0.863	1.101	1.180
112.5	0.269	0.293	0.372	0.555	0.658	0.745	0.943	0.871	1.085	1.149
113.0	0.277	0.301	0.388	0.547	0.658	0.753	0.919	0.856	1.077	1.133
113.5	0.277	0.309	0.396	0.539	0.665	0.745	0.895	0.856	1.054	1.109
114.0	0.285	0.309	0.404	0.539	0.673	0.745	0.879	0.863	1.038	1.117
114.5	0.293	0.317	0.404	0.531	0.665	0.753	0.871	0.871	1.030	1.093
115.0	0.301	0.325	0.404	0.539	0.673	0.753	0.856	0.863	1.022	1.085
115.5	0.309	0.325	0.404	0.539	0.673	0.753	0.856	0.863	1.006	1.069
116.0	0.317	0.333	0.404	0.539	0.665	0.753	0.840	0.871	0.990	1.046
116.5	0.317	0.333	0.404	0.547	0.665	0.753	0.848	0.863	0.982	1.062
117.0	0.325	0.341	0.412	0.562	0.665	0.761	0.848	0.871	0.990	1.046
117.5	0.333	0.349	0.420	0.562	0.673	0.761	0.848	0.871	0.982	1.022
118.0	0.341	0.356	0.428	0.578	0.673	0.753	0.856	0.863	0.959	1.022
118.5	0.349	0.364	0.436	0.578	0.673	0.753	0.840	0.871	0.966	0.998
119.0	0.349	0.380	0.444	0.570	0.681	0.753	0.832	0.863	0.966	0.990
119.5	0.356	0.388	0.452	0.570	0.681	0.753	0.832	0.863	0.943	0.990
120.0	0.364	0.404	0.452	0.570	0.689	0.753	0.840	0.856	0.927	0.974
120.5	0.372	0.404	0.459	0.570	0.689	0.761	0.840	0.848	0.943	0.959
121.0	0.380	0.412	0.459	0.570	0.689	0.761	0.840	0.840	0.919	0.966
121.5	0.388	0.420	0.459	0.578	0.697	0.761	0.832	0.848	0.903	0.951
122.0	0.388	0.428	0.467	0.586	0.697	0.768	0.832	0.848	0.903	0.959
122.5	0.396	0.436	0.475	0.594	0.705	0.768	0.824	0.848	0.903	0.951
123.0	0.404	0.444	0.483	0.602	0.705	0.776	0.824	0.840	0.895	0.943
123.5	0.412	0.444	0.491	0.602	0.705	0.776	0.816	0.848	0.879	0.927
124.0	0.420	0.452	0.499	0.602	0.705	0.776	0.816	0.856	0.887	0.927

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124.5	0.428	0.459	0.507	0.610	0.697	0.776	0.816	0.863	0.879	0.919
125.0	0.428	0.467	0.507	0.602	0.705	0.768	0.816	0.863	0.863	0.919
125.5	0.436	0.475	0.507	0.618	0.705	0.776	0.808	0.863	0.856	0.911
126.0	0.444	0.499	0.515	0.610	0.713	0.784	0.816	0.848	0.856	0.903
126.5	0.452	0.523	0.523	0.618	0.705	0.784	0.816	0.856	0.856	0.887
127.0	0.452	0.507	0.531	0.618	0.713	0.792	0.824	0.848	0.840	0.887
127.5	0.459	0.515	0.531	0.618	0.713	0.792	0.824	0.856	0.824	0.871
128.0	0.459	0.515	0.539	0.618	0.721	0.800	0.808	0.840	0.840	0.863
128.5	0.467	0.515	0.547	0.618	0.721	0.800	0.816	0.840	0.816	0.879
129.0	0.475	0.515	0.555	0.618	0.721	0.808	0.824	0.840	0.808	0.863
129.5	0.483	0.523	0.555	0.610	0.721	0.792	0.824	0.848	0.816	0.863
130.0	0.491	0.531	0.555	0.610	0.713	0.792	0.824	0.863	0.816	0.879
130.5	0.499	0.539	0.555	0.610	0.713	0.792	0.832	0.863	0.808	0.856
131.0	0.507	0.547	0.555	0.618	0.713	0.792	0.816	0.863	0.800	0.848
131.5	0.515	0.547	0.555	0.618	0.713	0.800	0.832	0.863	0.800	0.856
132.0	0.531	0.547	0.562	0.618	0.713	0.824	0.840	0.863	0.800	0.840
132.5	0.531	0.555	0.555	0.626	0.713	0.816	0.832	0.863	0.792	0.832
133.0	0.531	0.555	0.555	0.634	0.705	0.824	0.824	0.856	0.776	0.824
133.5	0.539	0.555	0.562	0.634	0.697	0.824	0.824	0.848	0.784	0.824
134.0	0.539	0.562	0.562	0.626	0.705	0.808	0.808	0.863	0.784	0.800
134.5	0.539	0.562	0.570	0.626	0.705	0.792	0.816	0.863	0.776	0.800
135.0	0.539	0.570	0.578	0.626	0.697	0.784	0.808	0.871	0.776	0.808
135.5	0.539	0.570	0.586	0.626	0.697	0.784	0.808	0.856	0.792	0.800
136.0	0.539	0.578	0.602	0.626	0.697	0.776	0.800	0.863	0.792	0.784
136.5	0.547	0.586	0.610	0.634	0.689	0.784	0.800	0.848	0.784	0.784
137.0	0.547	0.586	0.618	0.634	0.689	0.784	0.800	0.856	0.776	0.800
137.5	0.547	0.586	0.618	0.634	0.689	0.768	0.792	0.856	0.776	0.784
138.0	0.555	0.586	0.626	0.626	0.681	0.761	0.792	0.848	0.784	0.784
138.5	0.562	0.594	0.626	0.642	0.689	0.761	0.792	0.856	0.776	0.768
139.0	0.562	0.594	0.626	0.642	0.689	0.761	0.792	0.832	0.776	0.776
139.5	0.562	0.594	0.626	0.642	0.673	0.753	0.800	0.832	0.768	0.800
140.0	0.570	0.602	0.626	0.650	0.658	0.745	0.792	0.824	0.768	0.800
140.5	0.570	0.602	0.626	0.650	0.658	0.737	0.784	0.816	0.776	0.792
141.0	0.570	0.602	0.626	0.650	0.658	0.745	0.784	0.824	0.768	0.792
141.5	0.570	0.602	0.626	0.634	0.665	0.729	0.776	0.824	0.768	0.784
142.0	0.570	0.602	0.618	0.634	0.673	0.737	0.768	0.824	0.768	0.784
142.5	0.578	0.602	0.618	0.634	0.673	0.737	0.768	0.808	0.761	0.784
143.0	0.578	0.602	0.626	0.634	0.673	0.721	0.753	0.792	0.753	0.784
143.5	0.586	0.602	0.626	0.634	0.673	0.697	0.753	0.784	0.737	0.776
144.0	0.586	0.602	0.634	0.642	0.689	0.689	0.745	0.784	0.729	0.761
144.5	0.586	0.602	0.634	0.658	0.689	0.697	0.737	0.776	0.729	0.753
145.0	0.586	0.602	0.634	0.681	0.689	0.705	0.753	0.761	0.729	0.737
145.5	0.578	0.610	0.642	0.689	0.697	0.705	0.753	0.729	0.721	0.729
146.0	0.578	0.610	0.650	0.689	0.697	0.713	0.721	0.729	0.689	0.729
146.5	0.586	0.610	0.658	0.697	0.697	0.721	0.729	0.729	0.697	0.721
147.0	0.586	0.610	0.658	0.697	0.697	0.729	0.729	0.713	0.697	0.697
147.5	0.594	0.618	0.658	0.713	0.697	0.737	0.737	0.689	0.665	0.689
148.0	0.594	0.626	0.665	0.721	0.689	0.753	0.745	0.689	0.642	0.689
148.5	0.594	0.626	0.673	0.713	0.689	0.753	0.761	0.689	0.650	0.689
149.0	0.602	0.626	0.673	0.713	0.697	0.745	0.753	0.697	0.658	0.697
149.5	0.602	0.634	0.673	0.737	0.705	0.753	0.761	0.729	0.658	0.721
150.0	0.602	0.642	0.673	0.761	0.729	0.745	0.792	0.745	0.689	0.721
150.5	0.610	0.642	0.673	0.745	0.745	0.729	0.800	0.753	0.697	0.713
151.0	0.626	0.650	0.665	0.729	0.753	0.729	0.808	0.776	0.697	0.729
151.5	0.634	0.658	0.665	0.721	0.753	0.729	0.800	0.784	0.729	0.729
152.0	0.634	0.658	0.665	0.721	0.753	0.729	0.800	0.792	0.737	0.729

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CANDELA TABULATION - (Cont.)

152.5	0.642	0.658	0.665	0.721	0.753	0.737	0.800	0.792	0.737	0.721
153.0	0.642	0.665	0.665	0.721	0.753	0.753	0.792	0.792	0.737	0.721
153.5	0.634	0.681	0.673	0.721	0.745	0.768	0.784	0.784	0.729	0.721
154.0	0.634	0.681	0.681	0.729	0.745	0.776	0.784	0.784	0.729	0.713
154.5	0.642	0.681	0.689	0.729	0.761	0.784	0.784	0.784	0.729	0.705
155.0	0.642	0.681	0.689	0.737	0.768	0.792	0.800	0.784	0.721	0.705
155.5	0.642	0.697	0.697	0.729	0.761	0.808	0.816	0.792	0.721	0.705
156.0	0.650	0.697	0.705	0.729	0.753	0.816	0.816	0.808	0.729	0.713
156.5	0.658	0.697	0.705	0.729	0.753	0.808	0.824	0.832	0.745	0.737
157.0	0.658	0.697	0.713	0.729	0.753	0.800	0.824	0.840	0.768	0.753
157.5	0.665	0.697	0.729	0.737	0.761	0.792	0.832	0.848	0.776	0.768
158.0	0.665	0.697	0.729	0.745	0.768	0.792	0.832	0.856	0.776	0.776
158.5	0.665	0.697	0.729	0.745	0.776	0.784	0.840	0.856	0.776	0.776
159.0	0.665	0.705	0.729	0.745	0.776	0.792	0.856	0.856	0.776	0.768
159.5	0.665	0.713	0.729	0.745	0.776	0.792	0.856	0.856	0.776	0.768
160.0	0.665	0.705	0.729	0.753	0.768	0.800	0.848	0.863	0.776	0.761
160.5	0.665	0.705	0.737	0.753	0.776	0.808	0.832	0.871	0.768	0.761
161.0	0.665	0.697	0.729	0.753	0.784	0.816	0.824	0.871	0.768	0.753
161.5	0.658	0.705	0.729	0.761	0.792	0.816	0.824	0.879	0.768	0.753
162.0	0.658	0.705	0.737	0.768	0.792	0.816	0.832	0.879	0.768	0.753
162.5	0.665	0.713	0.745	0.768	0.800	0.824	0.848	0.871	0.768	0.761
163.0	0.665	0.721	0.753	0.776	0.808	0.832	0.856	0.879	0.768	0.761
163.5	0.665	0.721	0.761	0.784	0.816	0.840	0.863	0.887	0.776	0.768
164.0	0.665	0.721	0.768	0.792	0.824	0.848	0.871	0.879	0.776	0.768
164.5	0.673	0.729	0.776	0.808	0.832	0.856	0.879	0.879	0.776	0.776
165.0	0.681	0.745	0.784	0.816	0.848	0.863	0.887	0.887	0.784	0.784
165.5	0.697	0.753	0.800	0.824	0.863	0.871	0.887	0.887	0.792	0.792
166.0	0.705	0.761	0.808	0.832	0.863	0.871	0.887	0.895	0.800	0.800
166.5	0.713	0.768	0.824	0.840	0.863	0.879	0.887	0.903	0.808	0.808
167.0	0.721	0.776	0.824	0.848	0.871	0.887	0.895	0.903	0.808	0.808
167.5	0.729	0.776	0.832	0.863	0.879	0.887	0.903	0.919	0.816	0.824
168.0	0.737	0.776	0.832	0.863	0.879	0.895	0.911	0.927	0.832	0.832
168.5	0.737	0.776	0.832	0.856	0.879	0.903	0.911	0.935	0.840	0.840
169.0	0.737	0.784	0.832	0.856	0.879	0.903	0.911	0.935	0.848	0.840
169.5	0.737	0.792	0.832	0.856	0.879	0.903	0.911	0.935	0.848	0.848
170.0	0.737	0.792	0.832	0.856	0.879	0.895	0.911	0.935	0.856	0.848
170.5	0.729	0.792	0.832	0.856	0.871	0.887	0.903	0.927	0.863	0.863
171.0	0.729	0.784	0.832	0.856	0.879	0.879	0.903	0.927	0.879	0.871
171.5	0.729	0.784	0.832	0.856	0.887	0.879	0.903	0.919	0.887	0.879
172.0	0.745	0.784	0.832	0.856	0.887	0.879	0.911	0.919	0.887	0.887
172.5	0.753	0.792	0.840	0.871	0.879	0.879	0.919	0.919	0.887	0.887
173.0	0.761	0.800	0.848	0.887	0.879	0.887	0.919	0.927	0.895	0.895
173.5	0.776	0.808	0.856	0.887	0.879	0.887	0.927	0.935	0.895	0.895
174.0	0.784	0.816	0.871	0.879	0.871	0.895	0.927	0.935	0.903	0.903
174.5	0.800	0.816	0.871	0.879	0.871	0.895	0.927	0.935	0.903	0.903
175.0	0.800	0.816	0.871	0.879	0.871	0.895	0.927	0.935	0.895	0.903
175.5	0.792	0.816	0.871	0.879	0.879	0.895	0.919	0.927	0.895	0.895
176.0	0.792	0.824	0.871	0.879	0.879	0.895	0.911	0.919	0.895	0.895
176.5	0.792	0.824	0.871	0.879	0.879	0.895	0.911	0.919	0.895	0.895
177.0	0.792	0.824	0.879	0.879	0.879	0.887	0.903	0.919	0.895	0.895
177.5	0.800	0.824	0.879	0.879	0.871	0.879	0.895	0.911	0.895	0.895
178.0	0.800	0.824	0.871	0.871	0.863	0.871	0.887	0.903	0.895	0.895
178.5	0.808	0.824	0.871	0.863	0.856	0.863	0.879	0.903	0.895	0.895
179.0	0.816	0.832	0.871	0.856	0.848	0.856	0.871	0.895	0.895	0.895
179.5	0.824	0.832	0.871	0.856	0.840	0.840	0.863	0.887	0.895	0.895
180.0	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	200	210	220	230	240	250	260	270	280	290
0.0	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725
0.5	1679.187	1679.155	1679.337	1679.013	1679.155	1679.163	1679.329	1679.369	1679.527	1679.535
1.0	1678.442	1678.601	1678.585	1678.450	1678.403	1678.593	1678.569	1678.616	1678.957	1679.321
1.5	1678.054	1678.189	1677.832	1677.690	1677.642	1677.816	1677.682	1678.046	1678.189	1678.545
2.0	1677.293	1677.064	1677.056	1676.731	1676.850	1676.683	1676.739	1676.913	1677.246	1677.666
2.5	1676.533	1676.287	1676.089	1675.780	1675.559	1675.757	1675.804	1675.970	1676.470	1676.905
3.0	1675.566	1675.052	1674.782	1674.671	1674.624	1674.980	1675.036	1675.210	1675.416	1675.963
3.5	1674.243	1673.895	1673.538	1673.665	1673.721	1673.729	1674.077	1674.236	1674.457	1675.186
4.0	1672.825	1672.406	1672.041	1671.899	1672.033	1672.406	1672.580	1672.738	1673.325	1673.879
4.5	1671.320	1670.900	1670.718	1670.583	1670.338	1670.528	1671.067	1671.241	1671.637	1672.374
5.0	1669.997	1669.562	1669.189	1668.888	1668.627	1668.801	1669.332	1669.815	1670.100	1671.019
5.5	1668.278	1668.009	1667.304	1666.979	1666.694	1666.892	1667.240	1667.700	1668.191	1669.237
6.0	1666.583	1666.147	1665.767	1665.260	1664.436	1664.975	1664.927	1665.616	1666.306	1667.169
6.5	1664.864	1664.365	1663.802	1662.986	1662.305	1662.503	1662.487	1663.153	1664.175	1665.094
7.0	1662.907	1662.067	1661.544	1660.673	1660.396	1660.023	1660.023	1660.681	1661.529	1662.812
7.5	1660.657	1659.833	1659.089	1658.423	1658.304	1657.948	1657.576	1658.059	1659.263	1660.570
8.0	1658.550	1657.528	1656.245	1655.959	1655.286	1655.286	1655.056	1655.555	1656.601	1658.399
8.5	1655.880	1654.668	1653.749	1653.290	1652.410	1652.212	1652.022	1652.505	1653.757	1655.207
9.0	1653.028	1651.824	1651.087	1650.557	1649.551	1649.004	1648.956	1649.456	1651.080	1652.688
9.5	1650.192	1649.368	1648.228	1647.182	1646.168	1645.962	1645.724	1646.200	1647.847	1649.487
10.0	1647.166	1646.350	1645.027	1643.997	1642.952	1642.405	1642.500	1642.666	1644.473	1646.318
10.5	1644.520	1643.308	1641.993	1640.765	1639.371	1638.785	1638.753	1639.094	1641.050	1643.055
11.0	1641.526	1640.306	1638.618	1637.398	1635.972	1635.037	1634.990	1635.719	1637.644	1639.474
11.5	1638.254	1636.709	1635.133	1633.944	1631.980	1631.568	1630.973	1632.090	1633.817	1635.909
12.0	1635.006	1633.667	1631.409	1629.793	1628.058	1627.464	1627.155	1628.074	1629.722	1632.083
12.5	1631.615	1629.682	1627.781	1626.561	1624.058	1623.471	1622.980	1624.153	1625.531	1628.280
13.0	1627.670	1626.086	1623.669	1622.053	1619.891	1619.336	1618.940	1619.819	1621.372	1624.137
13.5	1624.081	1622.489	1619.700	1617.744	1615.787	1614.844	1614.821	1615.145	1617.253	1619.819
14.0	1620.120	1617.744	1615.343	1613.204	1611.208	1610.242	1609.687	1610.574	1612.484	1615.343
14.5	1615.930	1613.727	1610.796	1608.832	1606.471	1605.512	1604.831	1605.861	1607.960	1611.002
15.0	1611.573	1609.140	1606.186	1603.904	1601.678	1600.743	1600.086	1601.052	1603.373	1606.083
15.5	1607.136	1604.538	1601.401	1598.913	1596.711	1595.602	1594.944	1595.729	1598.042	1601.100
16.0	1602.779	1599.777	1596.632	1594.168	1591.950	1590.294	1589.668	1590.587	1592.536	1595.990
16.5	1598.050	1594.913	1591.546	1588.694	1586.468	1585.367	1584.242	1585.303	1587.292	1590.849
17.0	1593.336	1590.025	1586.452	1583.632	1581.136	1579.702	1578.894	1579.663	1582.039	1585.422
17.5	1588.409	1584.828	1581.105	1578.292	1575.282	1573.824	1573.246	1574.125	1576.494	1579.900
18.0	1583.434	1579.710	1575.765	1572.731	1569.443	1568.144	1567.384	1568.223	1570.434	1574.228
18.5	1577.936	1574.006	1569.871	1566.480	1563.312	1562.195	1561.458	1562.337	1564.746	1568.699
19.0	1572.565	1568.469	1564.167	1560.222	1557.030	1555.881	1554.970	1556.277	1558.463	1562.924
19.5	1566.885	1562.630	1558.495	1554.376	1550.676	1549.488	1548.767	1549.836	1552.213	1556.752
20.0	1561.197	1556.784	1552.427	1548.165	1544.576	1543.277	1542.366	1543.245	1545.788	1550.502
20.5	1555.310	1550.755	1546.026	1542.049	1538.143	1536.654	1535.965	1536.583	1539.522	1543.903
21.0	1549.036	1544.394	1539.300	1534.666	1531.441	1530.126	1529.231	1529.984	1532.883	1536.844
21.5	1543.079	1537.914	1532.820	1528.368	1524.779	1523.060	1522.545	1523.274	1525.983	1530.340
22.0	1536.401	1531.243	1526.221	1521.515	1518.069	1516.136	1515.415	1516.081	1518.956	1523.765
22.5	1529.413	1524.945	1519.329	1514.480	1510.757	1509.046	1508.507	1509.006	1512.136	1516.817
23.0	1523.005	1517.974	1512.357	1507.327	1503.548	1501.512	1500.934	1502.083	1504.934	1509.292
23.5	1516.160	1510.773	1505.156	1499.761	1495.800	1493.907	1493.321	1494.097	1497.179	1501.908
24.0	1509.482	1503.342	1497.757	1492.362	1488.346	1486.460	1485.652	1486.555	1489.558	1494.414
24.5	1501.591	1495.808	1490.041	1484.448	1480.313	1478.467	1477.564	1478.443	1481.802	1486.334
25.0	1494.200	1488.187	1481.858	1476.289	1471.710	1470.220	1469.309	1470.624	1473.421	1478.412
25.5	1486.294	1480.210	1473.753	1468.565	1463.621	1461.625	1460.666	1461.744	1464.913	1470.767
26.0	1478.301	1471.718	1465.427	1459.819	1455.477	1453.235	1452.245	1453.592	1456.587	1462.029

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CANDELA TABULATION - (Cont.)

26.5	1470.228	1463.700	1457.022	1451.437	1447.231	1444.648	1443.856	1444.957	1448.173	1453.283
27.0	1461.601	1455.398	1448.878	1442.778	1438.001	1435.569	1434.603	1435.554	1439.142	1444.490
27.5	1453.513	1446.676	1439.958	1434.278	1429.477	1426.562	1425.738	1426.380	1430.048	1436.187
28.0	1444.577	1437.796	1430.602	1424.954	1420.122	1417.856	1416.256	1417.262	1420.866	1426.499
28.5	1435.720	1428.574	1421.524	1415.582	1410.710	1408.064	1406.480	1407.478	1411.217	1417.072
29.0	1426.728	1419.211	1412.651	1406.036	1401.109	1397.908	1396.736	1397.655	1401.663	1407.343
29.5	1417.674	1409.736	1402.693	1396.403	1391.262	1387.903	1386.762	1387.364	1391.515	1397.560
30.0	1407.565	1400.000	1393.115	1386.295	1381.320	1378.499	1376.764	1377.390	1381.937	1387.792
30.5	1397.718	1390.153	1382.738	1376.131	1370.601	1367.947	1366.347	1367.274	1371.148	1377.153
31.0	1387.681	1380.139	1372.859	1366.093	1360.200	1356.975	1355.248	1356.365	1360.374	1366.783
31.5	1377.446	1369.484	1362.338	1355.597	1350.067	1346.098	1344.356	1345.861	1349.735	1356.136
32.0	1366.902	1358.892	1351.786	1344.363	1339.095	1335.554	1333.669	1334.390	1338.422	1345.037
32.5	1356.151	1347.976	1340.624	1333.154	1327.450	1324.004	1322.427	1323.172	1326.840	1334.097
33.0	1345.092	1337.242	1329.573	1322.261	1316.161	1312.145	1310.750	1311.036	1315.662	1322.206
33.5	1334.207	1325.992	1317.959	1310.758	1305.284	1300.365	1298.883	1299.501	1303.676	1310.948
34.0	1322.499	1313.840	1305.807	1298.867	1292.902	1288.759	1286.683	1287.079	1291.310	1298.994
34.5	1310.885	1302.559	1294.368	1286.818	1280.100	1275.608	1274.087	1274.325	1278.904	1286.200
35.0	1299.121	1290.280	1282.596	1274.927	1267.726	1262.371	1260.953	1261.444	1265.801	1273.842
35.5	1286.660	1278.389	1269.730	1262.260	1255.368	1249.870	1247.596	1248.190	1253.094	1260.976
36.0	1274.721	1265.658	1257.443	1249.680	1241.956	1236.933	1234.295	1234.747	1239.991	1248.238
36.5	1262.228	1253.530	1244.768	1236.387	1228.370	1222.832	1220.455	1220.305	1225.724	1234.446
37.0	1249.616	1240.276	1232.117	1223.497	1214.807	1208.248	1205.887	1206.259	1211.710	1221.343
37.5	1236.426	1226.944	1218.103	1209.531	1200.904	1193.941	1191.263	1191.619	1197.236	1207.107
38.0	1223.814	1213.532	1204.619	1195.810	1186.280	1178.762	1175.403	1175.807	1182.073	1192.903
38.5	1210.141	1200.904	1191.097	1181.677	1171.426	1163.575	1159.543	1159.995	1166.911	1178.001
39.0	1196.832	1186.708	1176.964	1166.721	1156.572	1148.389	1143.691	1144.182	1151.756	1163.092
39.5	1183.452	1172.535	1162.831	1151.764	1141.727	1133.203	1127.831	1128.362	1136.593	1148.183
40.0	1169.303	1158.355	1148.698	1136.807	1126.873	1118.008	1111.964	1112.518	1121.423	1133.282
40.5	1155.146	1144.182	1134.565	1121.961	1111.995	1101.340	1095.240	1095.644	1103.931	1118.333
41.0	1140.990	1130.010	1120.385	1108.890	1096.104	1084.720	1078.042	1078.596	1087.128	1102.156
41.5	1126.833	1115.806	1104.826	1092.499	1079.761	1067.791	1059.979	1060.772	1069.446	1085.496
42.0	1112.645	1101.221	1089.742	1077.376	1063.315	1050.544	1042.678	1042.979	1051.804	1068.599
42.5	1097.506	1086.558	1074.405	1061.738	1047.075	1033.164	1024.671	1024.513	1034.130	1051.408
43.0	1082.478	1070.793	1058.696	1045.862	1030.518	1015.814	1006.490	1006.569	1016.852	1034.883
43.5	1066.816	1055.020	1042.749	1029.100	1013.208	997.926	987.660	987.921	998.323	1017.248
44.0	1052.279	1039.168	1027.127	1013.224	995.954	979.951	969.439	968.734	979.191	999.432
44.5	1036.015	1023.879	1011.410	996.706	979.223	961.327	950.085	949.713	960.685	981.385
45.0	1019.672	1007.496	994.607	979.848	961.493	942.615	930.629	930.336	941.997	963.394
45.5	1003.805	991.605	978.502	963.006	943.582	924.133	911.078	910.681	922.834	945.007
46.0	988.777	975.872	962.784	946.845	925.741	905.104	892.207	891.170	903.346	926.937
46.5	971.895	959.299	946.695	929.845	908.297	885.830	872.616	872.022	884.309	907.980
47.0	955.243	942.805	929.766	912.313	889.625	866.493	853.096	852.177	864.884	888.920
47.5	938.797	926.644	913.161	894.814	870.145	847.028	833.038	832.206	845.143	869.535
48.0	923.642	910.578	896.850	877.797	851.932	827.817	814.168	812.956	825.583	851.005
48.5	905.889	893.728	880.206	859.957	833.553	809.153	795.076	794.672	806.879	831.628
49.0	889.411	877.393	863.601	842.243	814.691	790.085	776.918	776.348	788.199	813.146
49.5	872.870	861.288	846.957	824.070	795.757	771.120	758.230	757.739	769.630	794.078
50.0	856.004	844.929	829.861	806.523	777.124	752.899	740.517	739.780	751.124	775.096
50.5	839.312	828.103	812.932	788.405	758.690	735.502	723.041	722.391	733.458	756.488
51.0	822.605	811.308	795.393	769.797	740.065	717.559	705.922	705.312	715.729	738.465
51.5	806.238	795.036	778.986	751.592	721.916	699.964	688.961	688.652	698.776	720.712
52.0	789.372	778.503	761.415	733.950	704.488	682.869	672.578	672.411	681.839	703.228
52.5	772.950	761.851	743.987	715.769	687.178	667.088	656.805	656.567	665.900	685.792
53.0	756.195	745.135	726.376	697.611	669.409	650.269	640.922	641.064	649.580	669.005
53.5	740.026	728.634	709.486	680.127	652.353	633.879	624.911	625.188	633.784	652.345
54.0	723.667	711.792	691.678	662.953	636.137	618.375	609.764	610.248	618.795	636.018

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54.5	707.086	695.053	674.194	645.081	619.873	603.506	595.117	595.505	603.229	620.174
55.0	690.545	678.884	657.177	627.945	603.569	587.852	580.675	581.000	588.422	605.312
55.5	674.558	662.358	640.010	611.864	588.145	572.745	566.170	566.360	573.687	591.306
56.0	658.746	645.817	623.049	595.964	573.529	558.762	552.449	553.122	559.713	574.440
56.5	642.316	629.078	606.168	579.296	557.843	545.034	538.712	539.306	546.079	559.721
57.0	626.218	613.107	589.817	563.151	542.879	530.584	525.213	525.847	532.842	545.232
57.5	610.430	596.495	573.529	548.194	528.667	516.435	512.237	512.553	518.891	531.162
58.0	594.554	580.350	557.107	533.309	514.978	503.871	499.522	500.417	505.756	517.378
58.5	579.035	564.680	541.580	518.329	500.932	491.227	487.100	488.162	493.303	504.283
59.0	564.007	549.121	526.520	504.085	487.496	478.196	474.924	476.057	480.865	491.069
59.5	549.042	533.610	511.587	490.332	474.591	465.639	463.318	464.285	468.697	478.283
60.0	533.919	518.645	496.599	476.231	462.146	454.089	451.625	452.885	457.028	465.679
60.5	518.962	503.451	481.903	462.787	449.027	442.325	440.384	441.580	445.454	453.439
61.0	504.845	489.057	468.254	449.827	436.993	430.497	429.127	430.561	434.157	441.501
61.5	491.013	474.750	454.810	437.500	425.372	419.399	418.567	419.906	423.383	430.236
62.0	477.213	460.973	441.723	424.889	414.004	408.942	408.031	409.552	412.879	418.797
62.5	463.746	447.268	428.675	412.776	402.224	398.025	397.835	399.198	402.002	407.627
63.0	450.635	434.545	416.254	401.004	391.331	387.346	387.505	388.851	391.933	396.726
63.5	437.992	421.886	404.014	389.968	380.842	377.349	377.507	378.965	381.872	386.301
64.0	425.594	409.092	392.123	378.276	370.227	367.628	367.684	369.339	372.017	375.907
64.5	413.687	397.391	380.715	367.565	359.825	357.805	358.399	359.833	362.218	365.949
65.0	402.335	386.174	369.878	357.148	350.160	348.148	348.845	350.588	353.036	356.316
65.5	390.959	374.988	358.962	347.245	340.662	338.895	339.854	341.335	343.728	346.659
66.0	379.979	364.095	348.299	336.836	331.052	330.229	330.997	332.494	334.681	337.232
66.5	369.680	353.781	338.254	327.194	321.649	321.134	322.140	324.065	325.879	328.185
67.0	359.809	343.910	328.898	317.918	312.927	312.547	313.727	315.557	317.585	319.471
67.5	349.748	334.063	318.963	308.942	304.347	304.213	305.567	307.271	309.077	310.804
68.0	340.400	324.770	309.790	299.832	295.792	296.433	297.622	299.214	300.878	302.240
68.5	331.496	316.009	301.155	291.427	287.521	288.416	289.937	291.736	293.185	294.302
69.0	322.829	307.199	292.821	283.156	279.813	280.740	282.158	284.020	285.612	286.444
69.5	314.139	298.556	284.035	275.036	272.089	273.135	274.703	276.486	277.912	278.696
70.0	305.868	290.452	276.098	266.908	264.452	266.092	267.463	268.960	270.330	271.138
70.5	297.875	282.736	268.477	259.636	257.283	258.843	260.499	262.107	263.272	263.803
71.0	290.112	275.123	261.117	252.458	250.478	252.007	253.520	255.120	256.324	256.934
71.5	282.419	267.470	253.655	245.360	243.744	245.376	246.636	248.252	249.385	250.090
72.0	275.004	260.301	246.842	238.500	237.161	238.856	240.076	241.566	242.540	243.348
72.5	267.581	253.353	239.957	232.051	230.784	232.210	233.430	234.903	235.830	236.717
73.0	260.293	246.350	233.398	225.658	224.438	225.848	226.823	228.106	229.318	230.134
73.5	253.060	239.458	226.775	219.424	218.188	219.479	220.295	221.507	222.743	223.725
74.0	246.057	232.851	220.683	213.332	212.096	213.236	213.894	214.987	216.073	217.396
74.5	239.141	226.363	214.623	207.525	206.043	206.653	207.295	208.301	209.505	211.121
75.0	231.996	219.764	208.531	201.702	199.864	200.387	200.641	201.417	202.795	204.578
75.5	225.024	213.244	202.367	195.610	193.661	193.717	194.002	194.715	196.022	197.907
76.0	218.101	206.804	196.592	189.811	187.244	187.007	187.221	187.902	189.217	191.245
76.5	211.098	200.332	190.698	183.822	181.049	180.305	180.455	181.129	182.436	184.678
77.0	204.126	193.677	184.630	177.793	174.474	173.793	173.706	174.347	175.702	178.015
77.5	197.060	187.133	178.427	171.630	167.677	166.869	166.893	167.384	168.739	170.981
78.0	190.191	180.622	172.494	165.396	161.189	160.009	160.024	160.373	161.839	164.096
78.5	183.996	173.904	166.243	159.066	154.756	153.267	153.045	153.568	155.026	157.315
79.0	176.082	166.988	159.652	152.443	147.785	146.327	146.113	146.581	148.054	150.597
79.5	169.071	160.222	153.069	145.686	140.758	139.126	138.889	139.364	140.853	143.198
80.0	161.902	153.346	146.264	138.619	133.723	131.925	131.664	132.155	133.612	135.870
80.5	154.804	146.319	138.849	131.561	126.681	124.724	124.439	124.946	126.372	128.550
81.0	147.777	138.817	131.434	124.502	119.646	117.515	117.222	117.737	119.131	121.222
81.5	140.734	131.315	124.019	117.436	112.603	110.298	109.997	110.520	111.882	113.895
82.0	133.193	123.813	116.604	110.361	105.180	102.820	102.542	103.129	104.364	106.567

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CANDELA TABULATION - (Cont.)

82.5	125.651	116.311	109.173	102.574	97.615	95.436	94.977	95.436	96.815	98.819
83.0	118.109	108.801	101.069	94.715	89.677	87.617	87.174	87.633	89.027	91.404
83.5	110.559	101.029	93.020	86.540	82.048	79.862	79.307	79.885	81.026	83.149
84.0	102.740	92.767	84.948	78.539	74.277	72.360	71.591	72.225	73.405	75.386
84.5	94.668	84.544	76.487	70.236	66.307	64.533	63.788	64.461	65.650	67.614
85.0	85.827	75.956	67.646	61.903	58.005	56.571	55.874	56.381	57.775	59.882
85.5	77.081	67.527	59.154	53.394	50.130	48.855	48.213	48.792	50.067	51.739
86.0	67.939	58.559	50.527	45.037	42.232	41.337	40.648	41.448	42.391	44.339
86.5	58.615	49.734	41.852	36.901	34.477	33.692	33.051	33.946	34.849	36.782
87.0	49.378	40.576	33.486	30.832	28.076	27.402	26.951	27.672	28.488	29.541
87.5	39.919	32.623	26.959	24.764	21.675	21.112	20.843	21.405	22.118	23.774
88.0	32.044	24.661	20.431	18.696	15.274	14.814	14.743	15.139	15.757	18.015
88.5	24.178	16.707	13.903	12.636	8.873	8.524	8.643	8.865	9.388	12.255
89.0	16.303	8.754	7.375	6.567	2.614	2.464	2.559	2.662	3.185	6.488
89.5	8.429	1.299	0.919	0.697	0.570	0.428	0.467	0.499	0.721	0.840
90.0	1.030	1.006	0.768	0.586	0.404	0.293	0.277	0.277	0.277	0.317
90.5	0.982	1.030	0.792	0.602	0.412	0.301	0.277	0.277	0.285	0.325
91.0	0.966	1.038	0.800	0.610	0.420	0.309	0.285	0.293	0.293	0.341
91.5	0.966	1.022	0.800	0.610	0.420	0.317	0.301	0.309	0.317	0.364
92.0	0.998	1.006	0.800	0.618	0.436	0.333	0.309	0.317	0.325	0.380
92.5	1.006	1.062	0.856	0.626	0.452	0.349	0.325	0.333	0.341	0.396
93.0	1.085	1.030	0.848	0.650	0.459	0.356	0.333	0.333	0.341	0.396
93.5	1.117	1.077	0.816	0.634	0.475	0.364	0.333	0.333	0.341	0.396
94.0	1.188	1.109	0.848	0.634	0.467	0.364	0.333	0.333	0.341	0.404
94.5	1.236	1.109	0.879	0.650	0.467	0.364	0.341	0.341	0.349	0.404
95.0	1.260	1.101	0.911	0.665	0.475	0.372	0.341	0.341	0.349	0.412
95.5	1.275	1.101	0.895	0.681	0.483	0.372	0.349	0.349	0.356	0.404
96.0	1.275	1.117	0.887	0.681	0.491	0.372	0.349	0.356	0.356	0.404
96.5	1.291	1.141	0.879	0.673	0.499	0.380	0.356	0.356	0.364	0.412
97.0	1.315	1.180	0.863	0.665	0.499	0.388	0.356	0.356	0.364	0.412
97.5	1.307	1.212	0.856	0.658	0.507	0.388	0.364	0.364	0.372	0.412
98.0	1.307	1.188	0.863	0.650	0.507	0.396	0.364	0.364	0.372	0.420
98.5	1.299	1.188	0.887	0.650	0.507	0.396	0.372	0.372	0.380	0.420
99.0	1.283	1.188	0.911	0.650	0.507	0.404	0.380	0.380	0.380	0.428
99.5	1.260	1.180	0.927	0.650	0.515	0.404	0.380	0.380	0.388	0.428
100.0	1.252	1.172	0.943	0.665	0.515	0.412	0.388	0.388	0.388	0.428
100.5	1.244	1.165	0.935	0.673	0.515	0.420	0.388	0.388	0.396	0.436
101.0	1.236	1.180	0.927	0.689	0.523	0.428	0.396	0.396	0.396	0.444
101.5	1.244	1.204	0.911	0.697	0.531	0.428	0.404	0.404	0.404	0.444
102.0	1.236	1.204	0.903	0.697	0.539	0.436	0.404	0.404	0.412	0.452
102.5	1.228	1.172	0.903	0.689	0.555	0.444	0.412	0.412	0.420	0.467
103.0	1.212	1.141	0.911	0.689	0.562	0.452	0.428	0.428	0.428	0.475
103.5	1.196	1.133	0.919	0.689	0.562	0.467	0.436	0.436	0.436	0.483
104.0	1.180	1.125	0.927	0.689	0.570	0.475	0.444	0.444	0.444	0.491
104.5	1.165	1.125	0.935	0.689	0.570	0.475	0.452	0.452	0.452	0.491
105.0	1.149	1.109	0.935	0.697	0.570	0.483	0.459	0.459	0.459	0.491
105.5	1.141	1.109	0.919	0.697	0.570	0.483	0.459	0.459	0.459	0.499
106.0	1.141	1.109	0.895	0.697	0.578	0.483	0.459	0.467	0.459	0.499
106.5	1.141	1.101	0.871	0.697	0.578	0.483	0.459	0.467	0.459	0.499
107.0	1.141	1.069	0.856	0.689	0.578	0.483	0.467	0.467	0.459	0.499
107.5	1.149	1.046	0.848	0.689	0.570	0.475	0.467	0.467	0.459	0.499
108.0	1.149	1.022	0.848	0.681	0.570	0.475	0.467	0.467	0.459	0.499
108.5	1.133	1.006	0.856	0.673	0.570	0.475	0.459	0.467	0.459	0.491
109.0	1.125	0.982	0.856	0.665	0.570	0.475	0.459	0.459	0.459	0.491
109.5	1.109	0.966	0.848	0.665	0.562	0.475	0.459	0.459	0.459	0.491
110.0	1.085	0.959	0.840	0.658	0.562	0.475	0.459	0.459	0.459	0.483

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110.5	1.069	0.951	0.824	0.650	0.562	0.475	0.459	0.459	0.452	0.483
111.0	1.062	0.935	0.808	0.650	0.555	0.475	0.452	0.452	0.452	0.475
111.5	1.030	0.911	0.800	0.650	0.547	0.467	0.452	0.452	0.452	0.475
112.0	1.006	0.903	0.784	0.650	0.539	0.467	0.444	0.452	0.444	0.467
112.5	0.982	0.887	0.768	0.634	0.539	0.467	0.444	0.444	0.444	0.467
113.0	0.974	0.871	0.753	0.626	0.531	0.459	0.436	0.444	0.444	0.467
113.5	0.943	0.871	0.745	0.618	0.523	0.459	0.436	0.436	0.436	0.459
114.0	0.927	0.856	0.729	0.610	0.523	0.452	0.428	0.436	0.436	0.459
114.5	0.911	0.840	0.729	0.594	0.523	0.452	0.428	0.428	0.428	0.452
115.0	0.903	0.832	0.721	0.586	0.507	0.452	0.428	0.428	0.428	0.444
115.5	0.887	0.824	0.713	0.578	0.499	0.444	0.420	0.420	0.420	0.444
116.0	0.879	0.800	0.697	0.570	0.491	0.444	0.420	0.420	0.420	0.436
116.5	0.879	0.792	0.689	0.562	0.483	0.436	0.420	0.412	0.420	0.428
117.0	0.871	0.776	0.673	0.555	0.483	0.436	0.412	0.412	0.412	0.428
117.5	0.856	0.768	0.673	0.547	0.475	0.428	0.412	0.404	0.412	0.428
118.0	0.848	0.761	0.665	0.539	0.467	0.428	0.404	0.404	0.404	0.428
118.5	0.848	0.753	0.665	0.539	0.467	0.420	0.404	0.396	0.404	0.420
119.0	0.840	0.753	0.658	0.531	0.459	0.412	0.396	0.396	0.396	0.420
119.5	0.848	0.745	0.658	0.515	0.459	0.412	0.396	0.388	0.396	0.412
120.0	0.848	0.753	0.658	0.515	0.452	0.404	0.388	0.388	0.388	0.412
120.5	0.840	0.761	0.650	0.507	0.444	0.404	0.388	0.380	0.388	0.412
121.0	0.832	0.761	0.650	0.499	0.444	0.404	0.380	0.372	0.380	0.412
121.5	0.832	0.761	0.642	0.499	0.436	0.396	0.380	0.372	0.380	0.412
122.0	0.832	0.753	0.650	0.507	0.436	0.396	0.372	0.372	0.380	0.412
122.5	0.832	0.753	0.642	0.507	0.436	0.396	0.372	0.364	0.380	0.412
123.0	0.824	0.753	0.642	0.507	0.436	0.404	0.372	0.364	0.372	0.412
123.5	0.824	0.753	0.634	0.507	0.436	0.396	0.380	0.364	0.372	0.412
124.0	0.816	0.753	0.634	0.507	0.436	0.404	0.380	0.364	0.380	0.412
124.5	0.816	0.761	0.634	0.507	0.436	0.404	0.380	0.372	0.380	0.412
125.0	0.816	0.761	0.642	0.523	0.444	0.404	0.388	0.380	0.380	0.420
125.5	0.824	0.768	0.650	0.515	0.444	0.412	0.388	0.380	0.380	0.420
126.0	0.816	0.761	0.658	0.515	0.452	0.412	0.396	0.388	0.388	0.436
126.5	0.824	0.768	0.665	0.515	0.452	0.420	0.404	0.396	0.396	0.428
127.0	0.816	0.761	0.665	0.515	0.459	0.420	0.412	0.404	0.396	0.428
127.5	0.800	0.768	0.665	0.515	0.459	0.428	0.412	0.404	0.404	0.436
128.0	0.824	0.768	0.665	0.515	0.459	0.436	0.420	0.412	0.412	0.444
128.5	0.824	0.761	0.658	0.515	0.459	0.444	0.428	0.420	0.420	0.444
129.0	0.832	0.768	0.658	0.523	0.459	0.452	0.436	0.428	0.428	0.452
129.5	0.824	0.768	0.658	0.539	0.467	0.459	0.444	0.444	0.436	0.459
130.0	0.800	0.761	0.658	0.547	0.467	0.467	0.452	0.452	0.444	0.467
130.5	0.800	0.753	0.665	0.555	0.475	0.475	0.459	0.459	0.452	0.467
131.0	0.808	0.737	0.665	0.562	0.483	0.483	0.467	0.467	0.459	0.475
131.5	0.800	0.753	0.665	0.562	0.499	0.491	0.483	0.475	0.467	0.483
132.0	0.800	0.753	0.673	0.570	0.515	0.491	0.491	0.483	0.475	0.483
132.5	0.816	0.745	0.665	0.570	0.523	0.499	0.491	0.491	0.483	0.491
133.0	0.800	0.761	0.665	0.578	0.539	0.507	0.499	0.499	0.483	0.499
133.5	0.792	0.761	0.673	0.586	0.547	0.515	0.507	0.507	0.491	0.507
134.0	0.800	0.753	0.673	0.594	0.555	0.523	0.515	0.515	0.499	0.523
134.5	0.792	0.753	0.673	0.602	0.562	0.539	0.523	0.515	0.507	0.531
135.0	0.792	0.753	0.673	0.602	0.578	0.547	0.531	0.523	0.523	0.539
135.5	0.792	0.753	0.658	0.610	0.594	0.555	0.547	0.531	0.531	0.539
136.0	0.792	0.753	0.650	0.618	0.594	0.562	0.555	0.547	0.539	0.547
136.5	0.776	0.753	0.650	0.626	0.594	0.570	0.570	0.555	0.547	0.562
137.0	0.784	0.753	0.650	0.626	0.602	0.578	0.578	0.562	0.555	0.570
137.5	0.800	0.753	0.634	0.634	0.610	0.586	0.586	0.570	0.562	0.570
138.0	0.792	0.745	0.618	0.634	0.610	0.594	0.594	0.586	0.570	0.586

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CANDELA TABULATION - (Cont.)

138.5	0.792	0.737	0.618	0.634	0.618	0.594	0.602	0.594	0.578	0.594
139.0	0.800	0.721	0.634	0.642	0.618	0.610	0.610	0.602	0.578	0.594
139.5	0.800	0.713	0.626	0.642	0.626	0.610	0.610	0.602	0.586	0.594
140.0	0.792	0.713	0.634	0.634	0.634	0.618	0.618	0.618	0.594	0.602
140.5	0.792	0.705	0.650	0.618	0.642	0.626	0.626	0.626	0.594	0.610
141.0	0.784	0.713	0.658	0.618	0.642	0.626	0.634	0.634	0.602	0.610
141.5	0.784	0.713	0.665	0.626	0.650	0.634	0.634	0.634	0.610	0.618
142.0	0.768	0.697	0.681	0.642	0.658	0.642	0.642	0.642	0.618	0.618
142.5	0.768	0.689	0.697	0.650	0.665	0.642	0.642	0.642	0.618	0.618
143.0	0.768	0.689	0.705	0.665	0.650	0.650	0.650	0.650	0.626	0.626
143.5	0.745	0.681	0.705	0.673	0.650	0.650	0.650	0.658	0.634	0.626
144.0	0.745	0.681	0.705	0.681	0.650	0.658	0.658	0.658	0.642	0.618
144.5	0.753	0.689	0.697	0.681	0.650	0.658	0.665	0.665	0.642	0.610
145.0	0.729	0.705	0.705	0.689	0.650	0.650	0.673	0.673	0.642	0.610
145.5	0.713	0.705	0.705	0.697	0.658	0.650	0.673	0.673	0.626	0.602
146.0	0.713	0.705	0.705	0.713	0.658	0.650	0.658	0.665	0.626	0.602
146.5	0.713	0.713	0.697	0.737	0.665	0.650	0.658	0.665	0.618	0.602
147.0	0.721	0.721	0.697	0.729	0.665	0.650	0.658	0.665	0.610	0.602
147.5	0.721	0.729	0.697	0.721	0.665	0.658	0.665	0.673	0.602	0.602
148.0	0.737	0.729	0.697	0.721	0.673	0.665	0.665	0.665	0.602	0.602
148.5	0.737	0.729	0.713	0.713	0.681	0.665	0.673	0.665	0.602	0.602
149.0	0.737	0.737	0.729	0.713	0.681	0.665	0.673	0.665	0.602	0.602
149.5	0.745	0.729	0.745	0.713	0.689	0.665	0.673	0.658	0.602	0.610
150.0	0.745	0.729	0.745	0.713	0.697	0.681	0.665	0.642	0.602	0.610
150.5	0.737	0.713	0.737	0.713	0.689	0.689	0.665	0.642	0.610	0.618
151.0	0.745	0.713	0.737	0.721	0.681	0.713	0.665	0.634	0.626	0.618
151.5	0.745	0.721	0.737	0.721	0.673	0.737	0.673	0.642	0.634	0.626
152.0	0.753	0.721	0.745	0.713	0.673	0.753	0.681	0.650	0.642	0.626
152.5	0.745	0.721	0.761	0.713	0.681	0.753	0.681	0.650	0.650	0.626
153.0	0.745	0.729	0.768	0.721	0.681	0.737	0.681	0.658	0.650	0.634
153.5	0.753	0.729	0.745	0.721	0.689	0.737	0.673	0.658	0.650	0.634
154.0	0.753	0.729	0.737	0.721	0.689	0.721	0.665	0.658	0.650	0.642
154.5	0.761	0.729	0.737	0.721	0.689	0.705	0.665	0.658	0.658	0.642
155.0	0.768	0.729	0.753	0.721	0.697	0.705	0.673	0.665	0.665	0.642
155.5	0.776	0.729	0.776	0.721	0.705	0.697	0.673	0.665	0.665	0.642
156.0	0.776	0.729	0.776	0.721	0.705	0.689	0.673	0.673	0.665	0.650
156.5	0.776	0.729	0.753	0.721	0.705	0.697	0.665	0.665	0.665	0.658
157.0	0.784	0.729	0.737	0.729	0.713	0.697	0.673	0.658	0.665	0.665
157.5	0.792	0.737	0.729	0.737	0.713	0.697	0.681	0.665	0.673	0.673
158.0	0.792	0.737	0.729	0.745	0.713	0.697	0.681	0.665	0.673	0.673
158.5	0.784	0.745	0.737	0.745	0.721	0.697	0.681	0.665	0.681	0.681
159.0	0.776	0.753	0.737	0.745	0.721	0.705	0.681	0.665	0.681	0.681
159.5	0.768	0.768	0.729	0.745	0.729	0.713	0.689	0.665	0.689	0.689
160.0	0.768	0.784	0.729	0.745	0.729	0.721	0.689	0.665	0.689	0.697
160.5	0.776	0.792	0.737	0.745	0.737	0.721	0.697	0.673	0.697	0.697
161.0	0.792	0.784	0.737	0.745	0.737	0.713	0.705	0.681	0.697	0.697
161.5	0.792	0.776	0.753	0.745	0.729	0.721	0.705	0.689	0.697	0.697
162.0	0.784	0.776	0.761	0.745	0.729	0.729	0.705	0.689	0.697	0.697
162.5	0.776	0.776	0.768	0.745	0.729	0.729	0.713	0.689	0.689	0.689
163.0	0.768	0.784	0.784	0.753	0.737	0.729	0.713	0.697	0.689	0.681
163.5	0.761	0.792	0.792	0.753	0.737	0.737	0.705	0.697	0.681	0.673
164.0	0.761	0.792	0.792	0.761	0.745	0.737	0.705	0.705	0.681	0.673
164.5	0.768	0.792	0.800	0.776	0.753	0.745	0.713	0.737	0.681	0.673
165.0	0.784	0.792	0.800	0.792	0.761	0.753	0.721	0.753	0.681	0.681
165.5	0.792	0.800	0.816	0.808	0.776	0.753	0.721	0.737	0.689	0.681
166.0	0.808	0.808	0.832	0.824	0.792	0.761	0.729	0.729	0.697	0.689

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CANDELA TABULATION - (Cont.)

166.5	0.816	0.816	0.848	0.840	0.800	0.776	0.737	0.721	0.705	0.681
167.0	0.824	0.824	0.863	0.848	0.816	0.784	0.745	0.721	0.713	0.689
167.5	0.832	0.832	0.863	0.856	0.832	0.800	0.761	0.729	0.713	0.705
168.0	0.840	0.840	0.871	0.871	0.840	0.816	0.768	0.745	0.721	0.721
168.5	0.840	0.848	0.879	0.887	0.848	0.832	0.784	0.761	0.737	0.729
169.0	0.840	0.856	0.879	0.895	0.856	0.840	0.800	0.776	0.753	0.737
169.5	0.848	0.856	0.879	0.895	0.871	0.848	0.816	0.808	0.776	0.745
170.0	0.848	0.863	0.879	0.895	0.887	0.863	0.824	0.832	0.792	0.768
170.5	0.863	0.879	0.879	0.895	0.895	0.871	0.840	0.840	0.792	0.800
171.0	0.871	0.887	0.879	0.895	0.895	0.871	0.848	0.832	0.800	0.816
171.5	0.887	0.895	0.887	0.895	0.895	0.879	0.848	0.800	0.808	0.816
172.0	0.895	0.895	0.887	0.887	0.895	0.879	0.840	0.792	0.824	0.824
172.5	0.903	0.895	0.887	0.887	0.887	0.871	0.840	0.800	0.816	0.824
173.0	0.903	0.895	0.895	0.895	0.887	0.871	0.840	0.800	0.808	0.832
173.5	0.903	0.903	0.895	0.895	0.887	0.871	0.832	0.808	0.816	0.848
174.0	0.911	0.903	0.903	0.903	0.895	0.871	0.840	0.800	0.816	0.856
174.5	0.911	0.911	0.903	0.903	0.903	0.879	0.840	0.808	0.800	0.863
175.0	0.911	0.911	0.903	0.903	0.911	0.887	0.848	0.816	0.800	0.871
175.5	0.911	0.911	0.903	0.903	0.911	0.895	0.856	0.816	0.808	0.863
176.0	0.911	0.911	0.903	0.903	0.911	0.903	0.856	0.816	0.808	0.856
176.5	0.911	0.911	0.911	0.903	0.911	0.903	0.856	0.816	0.816	0.848
177.0	0.911	0.911	0.911	0.903	0.903	0.903	0.856	0.816	0.832	0.856
177.5	0.903	0.911	0.903	0.903	0.903	0.903	0.856	0.824	0.848	0.856
178.0	0.903	0.911	0.903	0.895	0.895	0.911	0.863	0.832	0.856	0.856
178.5	0.903	0.911	0.903	0.895	0.895	0.911	0.871	0.840	0.863	0.848
179.0	0.911	0.911	0.903	0.903	0.895	0.911	0.871	0.840	0.871	0.832
179.5	0.911	0.911	0.903	0.903	0.895	0.911	0.871	0.848	0.871	0.832
180.0	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903	0.903

Vert. Horizontal Angles
Angles

	<u>300</u>	<u>310</u>	<u>320</u>	<u>330</u>	<u>340</u>	<u>350</u>	<u>360</u>
0.0	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725	1679.725
0.5	1679.725	1679.900	1679.900	1679.908	1679.900	1680.090	1679.916
1.0	1679.535	1679.527	1679.900	1680.082	1680.090	1680.280	1680.272
1.5	1678.965	1679.321	1679.868	1679.900	1680.082	1680.446	1680.114
2.0	1678.197	1678.553	1679.108	1679.520	1679.884	1680.248	1680.106
2.5	1677.444	1677.800	1678.363	1679.139	1679.496	1679.876	1679.931
3.0	1676.676	1677.040	1677.650	1678.561	1678.925	1679.488	1679.741
3.5	1675.543	1676.145	1676.889	1677.626	1678.204	1678.949	1679.013
4.0	1674.481	1674.838	1675.947	1676.683	1677.270	1677.998	1678.062
4.5	1673.166	1673.705	1674.624	1675.749	1676.319	1676.874	1677.349
5.0	1671.835	1672.382	1673.285	1674.774	1675.360	1675.907	1676.588
5.5	1670.108	1671.043	1671.859	1673.523	1674.196	1674.647	1675.289
6.0	1668.405	1669.498	1670.536	1671.835	1672.778	1673.325	1674.148
6.5	1666.321	1667.549	1668.825	1670.322	1671.273	1672.002	1672.841
7.0	1664.183	1665.466	1667.106	1668.619	1669.744	1670.671	1671.693
7.5	1662.123	1663.406	1665.220	1667.090	1668.064	1669.142	1670.457
8.0	1659.659	1661.125	1663.097	1664.967	1666.179	1667.248	1668.777
8.5	1656.997	1658.803	1660.610	1662.654	1664.270	1665.474	1666.900
9.0	1654.296	1656.340	1658.130	1660.356	1662.178	1663.557	1664.991
9.5	1651.293	1653.662	1655.857	1658.075	1659.730	1661.473	1662.947
10.0	1648.465	1650.470	1653.242	1655.603	1657.306	1659.065	1660.855
10.5	1645.233	1647.618	1650.573	1652.910	1655.001	1656.950	1658.772
11.0	1641.866	1644.805	1647.562	1650.121	1652.387	1654.335	1656.633
11.5	1638.452	1641.526	1644.512	1647.443	1649.741	1651.690	1653.638

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CANDELA TABULATION - (Cont.)

12.0	1634.792	1638.135	1641.122	1644.385	1647.237	1649.202	1650.984
12.5	1631.061	1634.340	1637.921	1641.351	1644.195	1646.374	1648.156
13.0	1627.115	1630.364	1634.499	1638.175	1641.169	1643.332	1645.146
13.5	1623.154	1626.252	1630.577	1634.792	1637.977	1640.147	1642.318
14.0	1618.774	1622.243	1626.941	1631.227	1634.380	1637.105	1639.133
14.5	1614.234	1618.100	1622.782	1627.274	1630.775	1634.039	1635.719
15.0	1609.853	1613.838	1618.702	1623.503	1626.751	1629.872	1632.106
15.5	1604.942	1609.457	1614.662	1619.502	1623.004	1626.300	1628.367
16.0	1600.498	1604.760	1609.933	1615.169	1618.821	1622.331	1624.216
16.5	1595.412	1600.189	1605.195	1610.844	1614.805	1618.885	1620.429
17.0	1590.318	1594.928	1600.387	1606.463	1610.281	1614.353	1616.151
17.5	1584.614	1589.969	1595.443	1601.670	1605.686	1609.869	1611.525
18.0	1579.100	1584.780	1590.896	1596.750	1601.076	1605.164	1606.978
18.5	1573.594	1578.926	1585.176	1591.451	1596.473	1600.561	1603.207
19.0	1567.685	1573.254	1579.813	1586.087	1591.538	1595.618	1598.596
19.5	1561.078	1567.764	1573.943	1580.645	1586.262	1590.801	1593.613
20.0	1555.049	1562.218	1568.699	1575.512	1580.938	1585.723	1588.852
20.5	1548.973	1555.619	1563.185	1570.006	1575.234	1580.407	1583.750
21.0	1542.485	1549.123	1556.610	1563.819	1569.713	1574.490	1578.221
21.5	1535.862	1543.000	1550.209	1557.703	1563.961	1568.936	1572.517
22.0	1529.160	1536.163	1544.172	1551.286	1558.004	1563.034	1566.655
22.5	1522.529	1529.532	1537.652	1545.154	1551.801	1557.061	1560.824
23.0	1515.518	1522.902	1530.879	1538.698	1545.543	1550.874	1554.447
23.5	1507.953	1516.025	1524.066	1531.703	1538.912	1544.457	1547.983
24.0	1500.554	1508.571	1517.142	1525.080	1532.123	1538.239	1541.510
24.5	1492.663	1500.728	1509.268	1518.140	1525.841	1530.990	1534.824
25.0	1484.821	1493.075	1501.710	1510.860	1518.457	1524.304	1527.861
25.5	1476.906	1485.510	1494.390	1502.883	1511.082	1517.182	1521.293
26.0	1468.723	1477.017	1486.555	1495.270	1503.683	1509.759	1513.966
26.5	1460.460	1468.984	1478.166	1487.815	1495.848	1502.281	1506.408
27.0	1451.445	1460.334	1469.515	1479.537	1487.767	1494.208	1498.613
27.5	1442.913	1451.794	1460.825	1471.432	1479.838	1486.445	1490.857
28.0	1433.985	1442.969	1452.301	1462.718	1471.424	1478.301	1482.539
28.5	1424.605	1433.565	1443.444	1453.861	1462.449	1469.594	1473.928
29.0	1414.893	1424.526	1433.858	1444.696	1453.624	1460.761	1465.412
29.5	1405.537	1415.297	1424.645	1435.657	1444.593	1452.095	1456.309
30.0	1395.936	1405.601	1415.638	1426.412	1435.973	1443.079	1447.175
30.5	1385.716	1395.342	1405.791	1416.723	1425.944	1433.248	1437.803
31.0	1375.544	1385.542	1395.761	1406.488	1416.161	1423.544	1428.226
31.5	1365.056	1375.299	1385.708	1396.720	1406.250	1413.839	1418.656
32.0	1354.139	1364.557	1375.243	1386.611	1396.015	1403.620	1408.753
32.5	1343.136	1353.648	1364.517	1376.416	1385.518	1393.274	1398.613
33.0	1331.736	1342.819	1353.925	1365.135	1374.816	1383.213	1387.800
33.5	1320.574	1331.958	1343.421	1354.218	1364.145	1372.170	1376.899
34.0	1308.683	1320.154	1331.815	1343.215	1352.785	1360.936	1366.347
34.5	1296.380	1307.954	1320.241	1331.680	1341.313	1349.529	1355.019
35.0	1284.085	1296.728	1308.120	1319.504	1329.977	1338.359	1344.094
35.5	1271.948	1284.449	1296.380	1307.590	1317.888	1327.133	1332.623
36.0	1259.194	1271.497	1284.283	1295.841	1306.179	1315.749	1320.653
36.5	1245.956	1258.750	1271.719	1283.269	1293.877	1303.090	1308.770
37.0	1232.822	1246.162	1259.028	1270.412	1281.637	1290.834	1296.499
37.5	1219.489	1232.933	1245.909	1257.713	1268.922	1278.080	1283.768
38.0	1205.340	1219.307	1232.885	1244.689	1255.986	1266.181	1271.402
38.5	1191.493	1205.982	1219.053	1231.475	1243.144	1252.785	1258.441
39.0	1177.106	1192.522	1205.871	1217.936	1229.898	1239.349	1245.022
39.5	1162.720	1179.974	1192.293	1204.746	1216.803	1225.850	1231.332

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CANDELA TABULATION - (Cont.)

40.0	1148.341	1165.310	1178.184	1191.120	1202.797	1213.302	1218.483
40.5	1133.955	1150.647	1164.067	1176.916	1189.480	1199.224	1204.580
41.0	1119.458	1135.983	1149.950	1162.712	1175.062	1185.242	1190.312
41.5	1103.289	1121.312	1135.833	1148.508	1160.644	1170.864	1176.457
42.0	1087.136	1105.032	1121.700	1134.312	1146.226	1156.493	1162.007
42.5	1071.292	1090.059	1105.816	1120.092	1131.808	1142.115	1147.304
43.0	1055.385	1074.263	1091.168	1105.119	1117.390	1127.744	1132.909
43.5	1038.828	1058.126	1074.889	1089.838	1102.592	1113.302	1116.986
44.0	1021.748	1042.401	1059.148	1073.946	1087.271	1097.601	1102.006
44.5	1005.223	1026.398	1043.430	1058.157	1071.260	1082.169	1086.336
45.0	988.238	1009.651	1027.705	1042.464	1055.543	1066.784	1071.070
45.5	971.055	993.324	1011.418	1026.826	1039.826	1050.988	1054.291
46.0	954.007	977.361	995.265	1010.728	1023.998	1035.096	1039.010
46.5	937.363	961.057	979.072	994.235	1008.415	1018.650	1022.461
47.0	918.699	943.859	963.141	977.860	990.979	1002.593	1005.809
47.5	900.470	926.628	945.919	961.469	974.723	985.766	989.244
48.0	882.289	910.586	929.758	944.912	958.348	969.162	972.782
48.5	864.568	893.649	913.541	928.229	942.219	952.462	955.671
49.0	845.634	875.880	897.095	911.933	924.949	935.477	939.161
49.5	826.938	858.563	879.984	895.408	908.162	918.508	921.067
50.0	808.575	841.974	863.546	878.795	891.193	901.619	904.003
50.5	790.172	826.090	847.020	862.199	874.969	884.357	886.599
51.0	771.524	806.230	830.146	846.078	857.263	866.817	869.566
51.5	752.939	788.746	813.431	828.760	840.849	849.722	850.926
52.0	735.003	770.549	796.438	812.599	824.039	832.666	834.456
52.5	716.949	752.400	779.976	796.098	806.927	815.602	817.257
53.0	699.132	734.243	762.904	780.087	789.808	798.332	799.013
53.5	681.371	716.973	746.490	762.643	773.433	781.196	781.363
54.0	664.173	699.053	729.188	746.593	756.995	764.140	764.465
54.5	646.728	681.039	711.705	729.767	740.200	747.084	747.179
55.0	630.132	663.452	694.569	713.352	723.698	730.266	730.313
55.5	613.820	646.633	678.147	697.017	707.514	713.883	712.837
56.0	598.626	629.569	661.186	680.825	691.266	697.421	695.789
56.5	582.544	612.252	643.964	664.125	674.614	680.413	679.201
57.0	566.938	595.782	626.488	647.822	658.746	664.315	662.992
57.5	553.074	580.390	610.739	631.629	642.704	648.542	646.815
58.0	538.292	567.477	593.801	615.619	626.765	632.239	630.449
58.5	522.290	551.078	577.807	600.020	611.285	616.672	614.723
59.0	508.085	533.634	562.058	584.034	596.170	601.256	599.466
59.5	494.262	518.131	549.763	568.419	580.904	586.307	584.057
60.0	480.715	503.427	533.135	553.082	565.670	570.891	569.006
60.5	467.414	488.787	515.429	537.999	550.658	556.204	555.039
61.0	454.762	474.908	499.854	524.223	536.137	541.904	541.176
61.5	442.650	461.710	485.714	508.561	521.862	527.795	527.312
62.0	430.188	448.821	471.763	494.135	508.085	513.892	513.441
62.5	417.996	435.132	457.694	479.978	494.285	500.623	499.577
63.0	406.620	424.049	444.099	466.178	480.810	487.037	485.714
63.5	395.617	412.198	433.199	453.035	467.707	474.124	472.737
64.0	384.336	400.956	423.177	439.742	454.881	461.520	459.975
64.5	373.411	386.910	406.272	428.255	442.372	448.916	447.989
65.0	363.176	376.232	394.199	418.662	430.268	437.001	436.074
65.5	353.250	365.220	382.450	403.531	418.321	425.308	424.279
66.0	343.046	354.771	371.066	391.418	406.787	414.012	412.887
66.5	333.461	343.902	360.316	380.050	395.696	402.842	401.994
67.0	324.034	334.388	352.196	369.181	384.906	391.996	391.347
67.5	314.797	324.493	339.862	360.340	374.441	381.722	380.763

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68.0	305.845	315.240	329.587	351.246	364.325	371.518	370.670
68.5	297.661	305.686	320.144	338.737	354.296	361.726	361.061
69.0	289.050	297.194	311.081	329.143	344.773	351.990	351.507
69.5	280.756	288.179	302.153	319.954	335.520	342.722	342.096
70.0	272.667	279.678	294.952	314.519	326.299	333.548	333.191
70.5	265.498	271.788	284.931	303.793	317.466	324.739	324.501
71.0	258.146	264.286	277.001	293.985	309.132	316.325	316.230
71.5	250.882	256.546	269.277	286.071	300.672	308.007	308.063
72.0	243.950	249.179	261.592	281.635	292.480	299.745	299.864
72.5	237.589	242.271	254.217	270.322	284.550	291.823	291.981
73.0	230.879	235.537	247.040	262.480	276.581	284.004	284.344
73.5	224.494	228.629	239.934	255.690	268.817	276.319	276.921
74.0	218.148	222.228	233.081	248.466	263.739	268.683	269.483
74.5	212.175	216.104	226.506	240.718	253.472	261.299	262.147
75.0	205.814	209.862	219.907	234.293	247.349	253.948	254.756
75.5	199.619	203.413	213.244	226.442	238.674	246.620	247.539
76.0	193.241	197.353	206.733	219.360	231.417	239.339	240.456
76.5	187.102	191.356	200.284	212.476	224.660	231.988	233.279
77.0	180.400	185.137	193.820	205.180	216.762	224.652	225.753
77.5	173.706	178.831	187.284	198.264	209.363	217.340	218.449
78.0	166.909	172.557	180.804	191.182	205.560	209.981	211.098
78.5	160.318	166.235	174.308	183.996	194.675	203.461	203.580
79.0	153.378	159.399	167.574	176.898	187.736	197.622	195.642
79.5	146.383	152.499	160.706	169.895	186.222	187.910	187.989
80.0	139.142	145.662	154.012	162.544	177.294	179.528	180.226
80.5	131.909	138.294	147.048	155.295	168.517	171.757	172.193
81.0	124.676	130.935	139.348	147.991	161.553	165.087	164.001
81.5	117.444	123.567	131.648	140.330	152.974	157.759	155.873
82.0	110.195	116.208	123.948	132.678	142.588	148.165	147.286
82.5	102.566	108.840	116.247	125.025	134.547	139.744	138.548
83.0	94.636	100.768	108.523	117.364	126.514	131.331	129.842
83.5	86.738	92.687	100.261	109.720	118.474	122.918	121.048
84.0	78.761	84.686	92.077	102.233	110.425	114.497	112.025
84.5	70.688	76.194	83.332	93.218	102.107	106.084	102.542
85.0	62.314	67.361	74.681	84.068	94.700	98.257	93.084
85.5	54.202	58.876	65.753	75.140	86.279	87.950	83.680
86.0	46.375	50.463	56.856	65.856	76.558	78.808	74.221
86.5	38.580	42.264	47.770	56.531	65.824	68.985	65.087
87.0	31.133	34.651	39.499	47.009	56.167	59.550	55.509
87.5	25.152	28.123	31.292	37.796	45.702	50.210	45.544
88.0	19.179	21.595	25.184	30.460	35.182	39.404	35.546
88.5	13.198	15.060	19.084	23.116	28.337	31.720	25.556
89.0	7.225	8.532	12.976	15.773	21.500	24.043	15.559
89.5	1.434	2.289	6.868	8.437	14.656	16.359	5.561
90.0	0.396	0.618	0.895	1.252	7.819	8.675	4.096
90.5	0.404	0.642	0.871	1.006	1.054	1.165	3.018
91.0	0.420	0.658	0.879	1.030	1.125	1.236	1.941
91.5	0.459	0.681	0.895	1.014	1.109	1.212	0.863
92.0	0.475	0.713	0.911	1.006	1.109	1.180	0.808
92.5	0.483	0.705	0.911	1.054	1.141	1.275	0.863
93.0	0.475	0.681	0.966	1.054	1.172	1.244	0.863
93.5	0.467	0.681	0.903	1.101	1.204	1.283	0.903
94.0	0.475	0.681	0.927	1.149	1.212	1.291	0.903
94.5	0.467	0.705	0.951	1.133	1.244	1.283	0.903
95.0	0.467	0.713	0.990	1.125	1.275	1.275	0.919
95.5	0.475	0.729	0.990	1.125	1.299	1.268	0.919

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96.0	0.483	0.745	0.982	1.157	1.331	1.268	0.935
96.5	0.499	0.745	0.966	1.180	1.339	1.291	0.959
97.0	0.499	0.745	0.951	1.204	1.339	1.299	0.966
97.5	0.499	0.737	0.959	1.236	1.323	1.283	0.959
98.0	0.499	0.729	0.959	1.220	1.323	1.283	0.943
98.5	0.491	0.721	0.974	1.212	1.331	1.275	0.927
99.0	0.491	0.721	1.014	1.204	1.339	1.299	0.911
99.5	0.491	0.729	1.038	1.196	1.347	1.307	0.903
100.0	0.491	0.745	1.030	1.196	1.347	1.283	0.895
100.5	0.499	0.768	1.014	1.196	1.355	1.283	0.895
101.0	0.515	0.761	1.006	1.196	1.339	1.299	0.895
101.5	0.531	0.768	0.990	1.188	1.331	1.315	0.903
102.0	0.539	0.768	0.982	1.165	1.323	1.323	0.903
102.5	0.547	0.761	0.974	1.133	1.331	1.331	0.911
103.0	0.547	0.753	0.974	1.117	1.339	1.339	0.919
103.5	0.555	0.753	0.982	1.109	1.363	1.307	0.927
104.0	0.555	0.761	0.982	1.109	1.363	1.283	0.951
104.5	0.555	0.753	0.982	1.117	1.371	1.268	0.959
105.0	0.555	0.753	0.990	1.125	1.347	1.252	0.966
105.5	0.555	0.753	0.990	1.117	1.331	1.252	0.966
106.0	0.555	0.753	0.966	1.101	1.323	1.260	0.966
106.5	0.555	0.753	0.943	1.077	1.315	1.260	0.966
107.0	0.555	0.753	0.919	1.046	1.283	1.236	0.959
107.5	0.562	0.745	0.903	1.022	1.260	1.204	0.951
108.0	0.562	0.737	0.895	1.006	1.228	1.180	0.935
108.5	0.555	0.729	0.895	0.990	1.204	1.149	0.911
109.0	0.555	0.721	0.903	0.974	1.172	1.117	0.887
109.5	0.547	0.705	0.887	0.951	1.141	1.085	0.879
110.0	0.547	0.705	0.871	0.935	1.125	1.069	0.879
110.5	0.547	0.697	0.856	0.919	1.093	1.046	0.879
111.0	0.539	0.697	0.840	0.903	1.077	1.022	0.871
111.5	0.531	0.689	0.824	0.887	1.062	0.998	0.863
112.0	0.531	0.689	0.808	0.879	1.038	0.982	0.856
112.5	0.523	0.681	0.800	0.863	1.022	0.959	0.848
113.0	0.523	0.673	0.784	0.856	1.014	0.951	0.832
113.5	0.523	0.673	0.776	0.848	0.998	0.935	0.840
114.0	0.515	0.658	0.768	0.832	0.974	0.919	0.848
114.5	0.515	0.650	0.753	0.816	0.951	0.919	0.848
115.0	0.507	0.642	0.745	0.816	0.935	0.911	0.856
115.5	0.499	0.642	0.729	0.800	0.911	0.895	0.856
116.0	0.491	0.634	0.721	0.792	0.895	0.879	0.856
116.5	0.491	0.626	0.713	0.776	0.895	0.879	0.863
117.0	0.483	0.618	0.705	0.776	0.879	0.879	0.863
117.5	0.475	0.610	0.697	0.768	0.863	0.871	0.863
118.0	0.467	0.602	0.689	0.761	0.848	0.871	0.856
118.5	0.467	0.594	0.689	0.768	0.840	0.856	0.863
119.0	0.459	0.586	0.681	0.776	0.832	0.848	0.856
119.5	0.452	0.578	0.681	0.768	0.816	0.856	0.848
120.0	0.452	0.578	0.673	0.761	0.816	0.848	0.856
120.5	0.436	0.570	0.673	0.753	0.800	0.848	0.856
121.0	0.436	0.570	0.673	0.753	0.800	0.856	0.840
121.5	0.436	0.570	0.665	0.753	0.800	0.856	0.856
122.0	0.436	0.570	0.665	0.753	0.800	0.848	0.848
122.5	0.436	0.562	0.658	0.753	0.792	0.856	0.848
123.0	0.436	0.562	0.658	0.745	0.792	0.848	0.840
123.5	0.436	0.555	0.658	0.745	0.800	0.848	0.832

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124.0	0.436	0.555	0.665	0.745	0.800	0.848	0.832
124.5	0.436	0.555	0.665	0.753	0.800	0.848	0.848
125.0	0.444	0.547	0.665	0.753	0.800	0.848	0.840
125.5	0.444	0.547	0.665	0.745	0.792	0.840	0.840
126.0	0.444	0.547	0.665	0.753	0.784	0.840	0.840
126.5	0.444	0.547	0.658	0.737	0.776	0.840	0.832
127.0	0.444	0.547	0.658	0.737	0.776	0.824	0.832
127.5	0.452	0.547	0.665	0.729	0.768	0.816	0.848
128.0	0.452	0.555	0.658	0.713	0.768	0.816	0.832
128.5	0.459	0.555	0.658	0.713	0.768	0.816	0.824
129.0	0.459	0.555	0.650	0.705	0.761	0.800	0.848
129.5	0.467	0.555	0.650	0.705	0.761	0.808	0.848
130.0	0.467	0.555	0.650	0.697	0.761	0.808	0.832
130.5	0.467	0.555	0.650	0.713	0.753	0.800	0.824
131.0	0.475	0.555	0.650	0.705	0.753	0.800	0.840
131.5	0.491	0.562	0.650	0.705	0.745	0.800	0.840
132.0	0.491	0.570	0.658	0.705	0.745	0.784	0.832
132.5	0.499	0.578	0.665	0.721	0.745	0.800	0.832
133.0	0.507	0.578	0.665	0.713	0.745	0.800	0.840
133.5	0.515	0.586	0.665	0.713	0.753	0.800	0.832
134.0	0.523	0.586	0.658	0.721	0.761	0.784	0.816
134.5	0.531	0.586	0.650	0.713	0.761	0.800	0.824
135.0	0.547	0.586	0.650	0.721	0.753	0.800	0.824
135.5	0.562	0.586	0.642	0.721	0.753	0.808	0.824
136.0	0.570	0.586	0.642	0.721	0.745	0.800	0.824
136.5	0.578	0.586	0.634	0.713	0.753	0.808	0.824
137.0	0.586	0.594	0.642	0.713	0.745	0.800	0.824
137.5	0.594	0.578	0.642	0.721	0.737	0.792	0.824
138.0	0.602	0.570	0.650	0.721	0.737	0.792	0.824
138.5	0.602	0.562	0.658	0.713	0.729	0.768	0.824
139.0	0.602	0.562	0.658	0.713	0.737	0.776	0.824
139.5	0.610	0.562	0.658	0.705	0.729	0.776	0.816
140.0	0.610	0.562	0.658	0.697	0.721	0.776	0.816
140.5	0.618	0.562	0.658	0.689	0.721	0.768	0.824
141.0	0.618	0.578	0.650	0.697	0.713	0.753	0.824
141.5	0.618	0.586	0.634	0.705	0.705	0.737	0.824
142.0	0.602	0.578	0.626	0.713	0.697	0.729	0.824
142.5	0.602	0.586	0.618	0.713	0.681	0.729	0.816
143.0	0.602	0.594	0.610	0.713	0.689	0.729	0.816
143.5	0.602	0.602	0.602	0.713	0.697	0.721	0.816
144.0	0.602	0.610	0.602	0.705	0.689	0.705	0.816
144.5	0.602	0.634	0.610	0.705	0.697	0.705	0.816
145.0	0.610	0.642	0.610	0.689	0.705	0.705	0.816
145.5	0.610	0.650	0.610	0.665	0.705	0.705	0.808
146.0	0.618	0.658	0.618	0.658	0.705	0.705	0.816
146.5	0.626	0.658	0.634	0.650	0.705	0.705	0.824
147.0	0.626	0.665	0.634	0.634	0.705	0.697	0.824
147.5	0.634	0.673	0.626	0.634	0.673	0.689	0.816
148.0	0.634	0.681	0.634	0.634	0.658	0.689	0.808
148.5	0.642	0.697	0.634	0.642	0.658	0.665	0.784
149.0	0.642	0.689	0.642	0.634	0.650	0.634	0.753
149.5	0.626	0.673	0.658	0.634	0.642	0.626	0.745
150.0	0.626	0.665	0.673	0.650	0.642	0.610	0.737
150.5	0.626	0.665	0.681	0.650	0.650	0.602	0.721
151.0	0.626	0.673	0.697	0.658	0.658	0.602	0.713
151.5	0.626	0.673	0.697	0.665	0.665	0.610	0.721

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CANDELA TABULATION - (Cont.)

152.0	0.626	0.673	0.705	0.673	0.705	0.618	0.729
152.5	0.626	0.681	0.705	0.689	0.697	0.618	0.737
153.0	0.634	0.681	0.721	0.705	0.705	0.650	0.761
153.5	0.634	0.681	0.729	0.713	0.705	0.665	0.776
154.0	0.642	0.681	0.721	0.713	0.713	0.673	0.776
154.5	0.650	0.681	0.721	0.721	0.721	0.681	0.784
155.0	0.650	0.681	0.721	0.729	0.737	0.681	0.792
155.5	0.650	0.681	0.737	0.737	0.745	0.689	0.800
156.0	0.650	0.681	0.737	0.745	0.753	0.705	0.816
156.5	0.650	0.681	0.729	0.761	0.753	0.713	0.816
157.0	0.650	0.681	0.721	0.768	0.753	0.729	0.824
157.5	0.650	0.681	0.721	0.768	0.761	0.737	0.832
158.0	0.658	0.689	0.721	0.776	0.768	0.745	0.832
158.5	0.665	0.681	0.729	0.776	0.761	0.745	0.832
159.0	0.673	0.681	0.721	0.768	0.761	0.745	0.840
159.5	0.673	0.681	0.721	0.776	0.768	0.753	0.840
160.0	0.681	0.681	0.713	0.776	0.768	0.753	0.840
160.5	0.681	0.681	0.713	0.776	0.761	0.753	0.840
161.0	0.681	0.681	0.713	0.776	0.761	0.753	0.840
161.5	0.681	0.681	0.721	0.768	0.761	0.753	0.840
162.0	0.673	0.681	0.729	0.768	0.753	0.745	0.840
162.5	0.673	0.681	0.737	0.768	0.737	0.745	0.840
163.0	0.673	0.681	0.737	0.761	0.737	0.745	0.848
163.5	0.681	0.689	0.729	0.761	0.737	0.745	0.848
164.0	0.689	0.697	0.737	0.753	0.737	0.745	0.840
164.5	0.681	0.705	0.745	0.745	0.737	0.745	0.840
165.0	0.689	0.713	0.745	0.745	0.745	0.745	0.840
165.5	0.689	0.713	0.745	0.745	0.737	0.745	0.848
166.0	0.697	0.721	0.761	0.761	0.737	0.753	0.856
166.5	0.713	0.737	0.768	0.761	0.745	0.761	0.863
167.0	0.721	0.745	0.776	0.768	0.753	0.761	0.863
167.5	0.721	0.761	0.761	0.776	0.768	0.761	0.863
168.0	0.729	0.768	0.768	0.792	0.776	0.776	0.879
168.5	0.737	0.768	0.792	0.792	0.792	0.784	0.887
169.0	0.745	0.776	0.792	0.792	0.792	0.792	0.895
169.5	0.753	0.768	0.776	0.792	0.800	0.792	0.895
170.0	0.761	0.761	0.776	0.800	0.800	0.800	0.895
170.5	0.761	0.753	0.776	0.808	0.816	0.808	0.887
171.0	0.768	0.753	0.784	0.824	0.824	0.824	0.887
171.5	0.776	0.753	0.784	0.832	0.824	0.840	0.895
172.0	0.768	0.753	0.784	0.832	0.832	0.848	0.903
172.5	0.761	0.753	0.792	0.840	0.832	0.848	0.911
173.0	0.761	0.745	0.800	0.840	0.832	0.856	0.919
173.5	0.776	0.753	0.808	0.840	0.840	0.856	0.927
174.0	0.792	0.768	0.816	0.848	0.840	0.856	0.935
174.5	0.808	0.792	0.824	0.848	0.848	0.863	0.943
175.0	0.824	0.792	0.832	0.856	0.856	0.863	0.943
175.5	0.824	0.792	0.840	0.863	0.863	0.863	0.943
176.0	0.832	0.792	0.848	0.871	0.863	0.871	0.935
176.5	0.832	0.800	0.856	0.871	0.871	0.871	0.935
177.0	0.840	0.808	0.871	0.871	0.863	0.871	0.935
177.5	0.840	0.816	0.871	0.863	0.856	0.863	0.927
178.0	0.840	0.824	0.871	0.863	0.856	0.856	0.919
178.5	0.848	0.824	0.871	0.856	0.848	0.856	0.911
179.0	0.848	0.832	0.863	0.856	0.848	0.856	0.903
179.5	0.840	0.832	0.863	0.856	0.848	0.856	0.903

CANDELA TABULATION - (Cont.)

180.0	0.903	0.903	0.903	0.903	0.903	0.903	0.903
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	615.42	N.A.	14.60
0-30	1306.33	N.A.	30.90
0-40	2122.91	N.A.	50.20
0-60	3509.41	N.A.	83.00
0-80	4135.13	N.A.	97.80
0-90	4221.76	N.A.	99.90
10-90	4062.72	N.A.	96.10
20-40	1507.5	N.A.	35.70
20-50	2292.13	N.A.	54.20
40-70	1775.9	N.A.	42.00
60-80	625.73	N.A.	14.80
70-80	236.32	N.A.	5.60
80-90	86.63	N.A.	2.00
90-110	1.75	N.A.	0.00
90-120	2.37	N.A.	0.10
90-130	2.92	N.A.	0.10
90-150	3.84	N.A.	0.10
90-180	4.47	N.A.	0.10
110-180	2.72	N.A.	0.10
0-180	4226.23	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	159.04
10-20	456.37
20-30	690.92
30-40	816.58
40-50	784.63
50-60	601.86
60-70	389.40
70-80	236.32
80-90	86.63
90-100	0.98
100-110	0.77
110-120	0.62
120-130	0.55
130-140	0.50
140-150	0.42
150-160	0.33
160-170	0.22
170-180	0.08

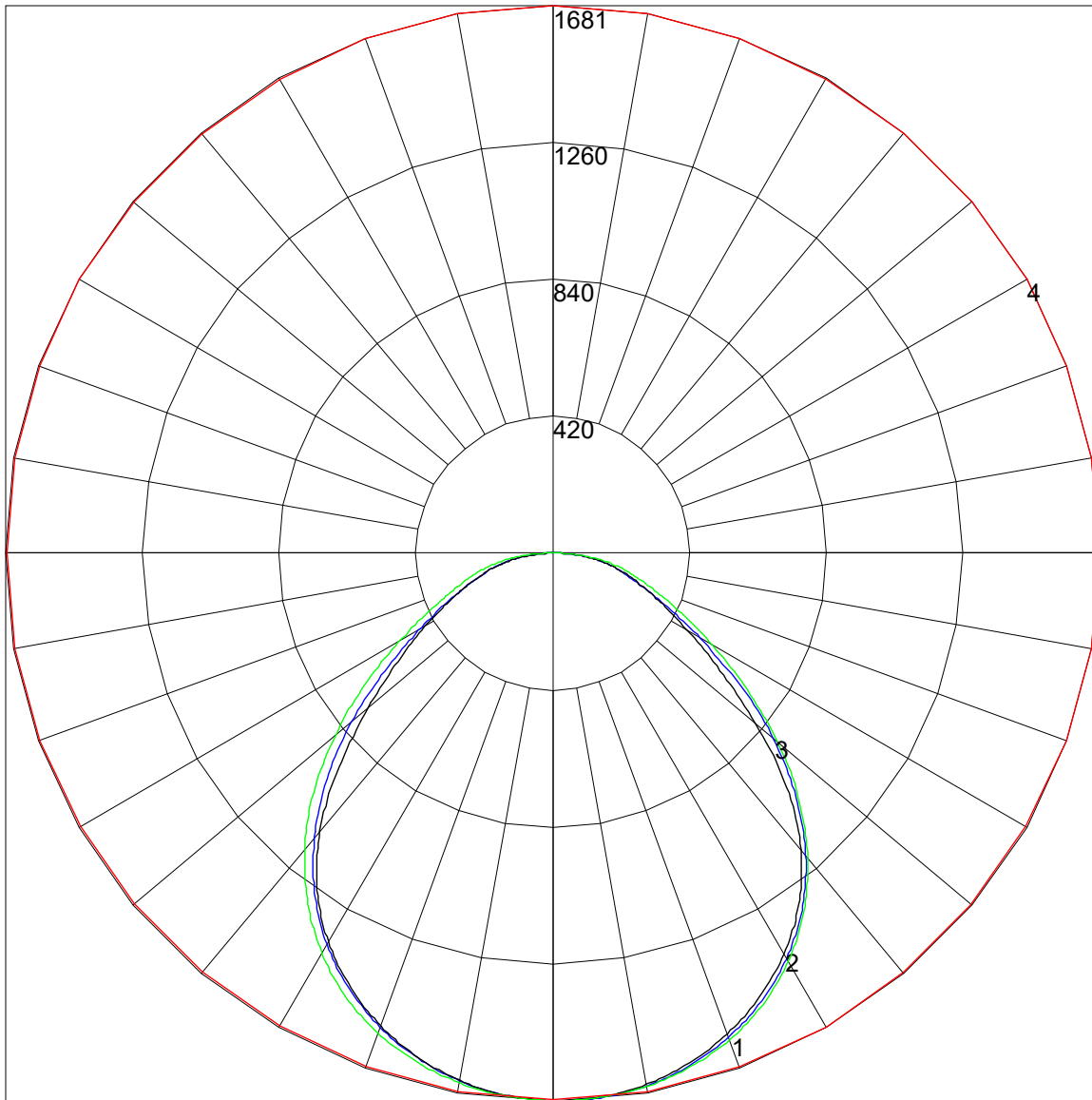
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	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 = 1680.502 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.)