



IES INDOOR REPORT

PHOTOMETRIC FILENAME : ZIS-48-LED4-SO-SAL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] L021506201 PRORATED TO ZIS-48-LED4-LO-SAL

[TESTLAB] LIGHT LABORATORY, INC.

[ISSUE DATE] 2/23/2015

[MANUFAC] PRUDENTIAL LTG.

[LUMCAT] ZIS-48-LED4-SO-SAL

[LUMINAIRE] 96"L X 48" W X 1.5" H LED LINEAR DIRECT LUMINAIRE DIFFUSED LENS

[LAMPCAT]

[BALLAST]

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	21417
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	216
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	8.14 ft
Luminous Width (90-270)	4.13 ft
Luminous Height	0.14 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	733	860	891
55	797	990	1042
65	919	1210	1307
75	1217	1685	1886
85	2551	3529	4084

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CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>17.5</u>	<u>20.0</u>	<u>22.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1995.678	1995.606	1995.534	1995.480	1995.408	1995.354	1995.282	1995.228	1995.174	1995.282
5.0	1991.394	1991.268	1991.142	1991.052	1990.962	1990.890	1990.836	1990.800	1990.764	1990.764
7.5	1993.068	1992.852	1992.636	1992.384	1992.132	1992.024	1991.556	1991.412	1991.340	1992.240
10.0	1990.944	1990.692	1990.440	1990.224	1990.008	1990.368	1990.440	1992.618	1996.200	1999.728
12.5	1987.524	1987.200	1987.272	1986.804	1987.056	1986.876	1991.214	1995.786	2000.286	2004.732
15.0	1978.560	1978.200	1977.912	1978.146	1978.038	1983.060	1988.928	1994.814	2000.376	2005.452
17.5	1969.128	1968.696	1968.354	1968.336	1971.666	1978.506	1985.346	1991.700	1997.640	2003.562
20.0	1953.702	1953.252	1952.982	1953.198	1960.884	1969.092	1976.958	1984.338	1991.772	1999.674
22.5	1937.178	1936.620	1936.116	1939.140	1948.392	1957.644	1966.032	1974.510	1983.222	1992.618
25.0	1914.912	1914.426	1914.228	1920.672	1931.310	1941.300	1951.110	1961.370	1972.062	1983.276
27.5	1891.350	1890.882	1890.774	1900.962	1912.392	1923.156	1934.136	1945.836	1958.328	1969.668
30.0	1863.396	1862.928	1864.098	1876.194	1888.668	1900.818	1913.328	1927.440	1940.796	1954.206
32.5	1833.822	1833.390	1836.828	1850.346	1864.044	1877.040	1891.386	1906.272	1920.726	1935.342
35.0	1800.270	1799.820	1804.950	1820.124	1834.398	1849.356	1865.610	1881.972	1898.604	1915.326
37.5	1765.296	1764.846	1772.370	1788.480	1804.140	1820.718	1838.052	1855.710	1873.800	1890.342
40.0	1727.172	1726.668	1736.550	1753.524	1770.426	1788.498	1807.668	1827.342	1846.566	1864.422
42.5	1687.968	1687.464	1699.812	1717.956	1735.920	1755.288	1775.826	1796.382	1816.056	1835.298
45.0	1646.370	1645.830	1660.626	1679.490	1699.092	1719.846	1742.076	1764.180	1784.376	1804.572
47.5	1603.512	1602.558	1619.514	1639.512	1660.176	1682.478	1705.572	1728.162	1750.302	1771.758
50.0	1557.306	1557.900	1576.062	1597.284	1619.082	1643.238	1667.412	1691.262	1713.888	1736.604
52.5	1510.758	1512.900	1531.980	1554.246	1577.052	1602.396	1627.578	1652.724	1676.412	1699.758
55.0	1462.842	1466.460	1486.386	1509.930	1534.338	1560.924	1586.862	1612.098	1637.262	1661.526
57.5	1413.774	1418.850	1439.640	1464.138	1489.626	1517.004	1543.662	1570.518	1596.222	1621.368
60.0	1363.158	1369.836	1391.562	1417.158	1444.068	1472.004	1498.788	1524.870	1551.348	1577.448
62.5	1310.904	1319.292	1341.630	1368.036	1395.090	1422.486	1449.918	1477.386	1504.134	1532.268
65.0	1257.966	1268.172	1291.158	1318.266	1343.520	1371.132	1399.194	1428.120	1456.614	1485.792
67.5	1206.054	1217.790	1240.704	1266.570	1292.328	1322.100	1350.990	1380.276	1409.220	1439.892
70.0	1153.890	1167.264	1189.404	1215.054	1242.702	1273.032	1303.596	1334.520	1364.310	1395.378
72.5	1100.682	1114.992	1135.656	1163.358	1193.796	1225.944	1256.040	1287.666	1317.636	1349.802
75.0	1047.114	1061.676	1082.844	1113.300	1143.702	1176.678	1206.720	1237.626	1267.938	1300.950
77.5	992.106	1006.704	1030.878	1063.242	1093.788	1125.378	1155.816	1187.478	1217.268	1250.352
80.0	937.620	953.352	980.370	1011.510	1042.128	1074.654	1104.786	1136.844	1166.616	1199.214
82.5	883.908	903.600	930.906	963.522	993.060	1025.730	1055.862	1086.984	1117.242	1150.722
85.0	831.204	854.694	880.110	912.564	942.984	974.988	1005.840	1036.224	1066.788	1100.844
87.5	784.656	810.414	836.460	867.078	896.508	928.854	960.624	990.936	1021.500	1055.718
90.0	805.122	803.484	835.308	868.014	903.276	936.576	970.830	1004.958	1039.950	1075.950
92.5	784.656	810.414	836.460	867.078	896.508	928.854	960.624	990.936	1021.500	1055.718
95.0	831.204	854.694	880.110	912.564	942.984	974.988	1005.840	1036.224	1066.788	1100.844
97.5	883.908	903.600	930.906	963.522	993.060	1025.730	1055.862	1086.984	1117.242	1150.722
100.0	937.620	953.352	980.370	1011.510	1042.128	1074.654	1104.786	1136.844	1166.616	1199.214
102.5	992.106	1006.704	1030.878	1063.242	1093.788	1125.378	1155.816	1187.478	1217.268	1250.352
105.0	1047.114	1061.676	1082.844	1113.300	1143.702	1176.678	1206.720	1237.626	1267.938	1300.950
107.5	1100.682	1114.992	1135.656	1163.358	1193.796	1225.944	1256.040	1287.666	1317.636	1349.802
110.0	1153.890	1167.264	1189.404	1215.054	1242.702	1273.032	1303.596	1334.502	1364.310	1395.378
112.5	1206.054	1217.790	1240.704	1266.570	1292.328	1322.100	1350.990	1380.276	1409.220	1439.892
115.0	1257.966	1268.172	1291.158	1318.266	1343.520	1371.132	1399.194	1428.120	1456.614	1485.792
117.5	1310.904	1319.292	1341.630	1368.036	1395.090	1422.486	1449.918	1477.386	1504.134	1532.268
120.0	1363.158	1369.836	1391.562	1417.158	1444.068	1472.004	1498.788	1524.870	1551.348	1577.448
122.5	1413.774	1418.850	1439.640	1464.138	1489.626	1517.004	1543.662	1570.518	1596.222	1621.368
125.0	1462.842	1466.460	1486.386	1509.930	1534.338	1560.924	1586.862	1612.098	1637.262	1661.526
127.5	1510.758	1512.900	1531.980	1554.246	1577.052	1602.396	1627.578	1652.724	1676.412	1699.758
130.0	1557.306	1557.900	1576.062	1597.284	1619.082	1643.238	1667.412	1691.262	1713.888	1736.604
132.5	1603.512	1602.558	1619.514	1639.530	1660.176	1682.478	1705.572	1728.162	1750.302	1771.758

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CANDELA TABULATION - (Cont.)

135.0	1646.370	1645.830	1660.626	1679.490	1699.092	1719.846	1742.076	1764.180	1784.376	1804.572
137.5	1687.968	1687.464	1699.812	1717.956	1735.920	1755.288	1775.826	1796.382	1816.056	1835.298
140.0	1727.172	1726.668	1736.550	1753.524	1770.426	1788.498	1807.668	1827.342	1846.566	1864.422
142.5	1765.296	1764.846	1772.370	1788.480	1804.140	1820.718	1838.052	1855.710	1873.800	1890.342
145.0	1800.270	1799.820	1804.950	1820.124	1834.398	1849.356	1865.610	1881.972	1898.604	1915.326
147.5	1833.822	1833.390	1836.828	1850.346	1864.044	1877.040	1891.386	1906.272	1920.726	1935.342
150.0	1863.396	1862.928	1864.098	1876.194	1888.668	1900.818	1913.328	1927.440	1940.796	1954.206
152.5	1891.350	1890.882	1890.774	1900.962	1912.392	1923.156	1934.136	1945.836	1958.328	1969.668
155.0	1914.912	1914.426	1914.228	1920.672	1931.310	1941.300	1951.110	1961.370	1972.062	1983.276
157.5	1937.178	1936.620	1936.116	1939.140	1948.392	1957.644	1966.032	1974.510	1983.222	1992.618
160.0	1953.702	1953.252	1952.982	1953.198	1960.884	1969.092	1976.958	1984.338	1991.772	1999.674
162.5	1969.128	1968.696	1968.354	1968.336	1971.666	1978.506	1985.346	1991.700	1997.640	2003.580
165.0	1978.560	1978.200	1977.912	1978.146	1978.038	1983.060	1988.928	1994.814	2000.376	2005.452
167.5	1987.524	1987.200	1987.272	1986.804	1987.056	1986.876	1991.214	1995.786	2000.286	2004.732
170.0	1990.944	1990.692	1990.440	1990.224	1990.008	1990.368	1990.440	1992.618	1996.200	1999.728
172.5	1993.068	1992.852	1992.636	1992.384	1992.132	1992.024	1991.556	1991.412	1991.340	1992.240
175.0	1991.394	1991.268	1991.142	1991.052	1990.962	1990.890	1990.836	1990.800	1990.782	1990.764
177.5	1995.678	1995.606	1995.534	1995.480	1995.408	1995.354	1995.282	1995.228	1995.174	1995.282
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	<u>25.0</u>	<u>27.5</u>	<u>30.0</u>	<u>32.5</u>	<u>35.0</u>	<u>37.5</u>	<u>40.0</u>	<u>42.5</u>	<u>45.0</u>	<u>47.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1995.138	1995.012	1994.886	1994.778	1994.652	1994.544	1994.418	1994.292	1994.166	1994.040
5.0	1990.764	1991.628	1991.340	1991.754	1993.572	1994.544	1996.200	1997.820	1999.386	2000.916
7.5	1994.526	1996.740	1998.864	2000.898	2002.842	2004.696	2006.442	2008.296	2010.168	2012.166
10.0	2003.184	2006.586	2009.952	2012.616	2015.298	2017.908	2020.338	2022.408	2024.190	2025.738
12.5	2008.638	2012.292	2015.892	2019.618	2022.912	2026.404	2029.914	2033.352	2036.628	2039.796
15.0	2010.510	2015.550	2020.734	2025.936	2030.904	2035.332	2039.670	2043.576	2047.104	2050.632
17.5	2009.466	2015.676	2022.156	2028.546	2034.576	2040.084	2045.520	2050.848	2056.068	2059.992
20.0	2007.486	2015.784	2023.596	2030.058	2036.430	2042.694	2048.598	2054.088	2059.470	2064.816
22.5	2002.410	2010.636	2018.988	2027.322	2035.890	2042.964	2050.740	2055.996	2061.198	2066.310
25.0	1993.644	2004.138	2013.552	2022.624	2031.264	2038.824	2046.312	2053.692	2060.964	2068.020
27.5	1981.314	1993.104	2003.598	2013.804	2023.668	2033.406	2041.956	2050.236	2058.138	2065.230
30.0	1967.616	1980.306	1991.376	2002.158	2012.940	2023.740	2034.234	2044.098	2053.350	2061.324
32.5	1950.048	1962.738	1975.770	1988.874	2002.104	2012.814	2023.524	2034.198	2044.800	2054.826
35.0	1930.122	1944.450	1958.526	1972.152	1985.472	1998.756	2011.896	2024.190	2034.126	2043.972
37.5	1906.560	1922.958	1938.708	1954.260	1969.488	1983.996	1996.902	2009.592	2021.742	2033.514
40.0	1882.134	1899.000	1915.668	1932.948	1949.958	1965.726	1980.522	1994.310	2007.162	2019.042
42.5	1853.892	1872.360	1891.062	1909.566	1928.376	1944.630	1960.578	1975.734	1990.242	2002.896
45.0	1823.958	1843.956	1863.756	1883.592	1902.618	1920.924	1938.312	1954.980	1969.668	1983.204
47.5	1792.908	1813.968	1835.154	1855.908	1875.834	1894.896	1913.814	1930.302	1946.394	1961.388
50.0	1758.924	1782.234	1804.410	1825.938	1847.394	1868.094	1886.004	1903.680	1921.518	1936.710
52.5	1723.500	1747.548	1771.254	1794.726	1816.326	1837.116	1857.006	1875.816	1893.654	1910.574
55.0	1687.014	1711.962	1736.424	1759.950	1783.170	1804.608	1825.596	1846.350	1865.070	1882.584
57.5	1647.072	1673.460	1698.606	1723.284	1747.062	1770.480	1792.620	1813.770	1833.570	1851.948
60.0	1604.538	1631.628	1658.268	1683.684	1708.776	1733.310	1756.440	1778.454	1799.946	1817.478
62.5	1562.310	1589.472	1616.310	1642.140	1667.790	1693.188	1718.082	1740.654	1761.354	1780.704
65.0	1516.266	1546.866	1572.354	1598.814	1625.778	1651.770	1677.546	1700.532	1721.736	1741.878
67.5	1470.132	1499.346	1526.580	1553.886	1581.678	1608.264	1634.958	1658.880	1679.922	1701.234
70.0	1426.698	1455.930	1483.920	1510.632	1536.714	1563.840	1592.172	1617.030	1637.550	1659.402
72.5	1382.724	1413.396	1440.162	1466.244	1491.336	1518.048	1545.228	1570.716	1592.892	1614.708
75.0	1332.990	1365.948	1394.784	1420.506	1444.410	1470.744	1497.402	1522.494	1546.632	1569.888
77.5	1281.330	1314.486	1346.526	1372.788	1396.350	1422.990	1449.882	1475.604	1500.804	1524.582
80.0	1230.858	1262.376	1293.516	1320.012	1345.410	1372.140	1399.896	1426.464	1453.284	1476.648

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82.5	1183.626	1212.300	1241.154	1267.830	1294.164	1320.786	1347.354	1375.128	1403.514	1426.752
85.0	1134.486	1161.540	1189.188	1215.918	1244.466	1271.052	1298.970	1328.580	1358.100	1380.672
87.5	1090.314	1116.612	1142.964	1170.486	1198.206	1226.250	1254.762	1285.092	1316.214	1337.508
90.0	1112.436	1148.634	1176.768	1205.064	1234.440	1264.968	1295.154	1324.080	1351.818	1376.838
92.5	1090.314	1116.612	1142.964	1170.486	1198.206	1226.250	1254.762	1285.092	1316.214	1337.508
95.0	1134.486	1161.540	1189.188	1215.918	1244.466	1271.052	1298.970	1328.580	1358.100	1380.672
97.5	1183.626	1212.300	1241.154	1267.830	1294.164	1320.786	1347.354	1375.128	1403.514	1426.752
100.0	1230.858	1262.376	1293.516	1320.012	1345.410	1372.140	1399.896	1426.464	1453.284	1476.648
102.5	1281.330	1314.486	1346.526	1372.788	1396.350	1422.990	1449.882	1475.604	1500.804	1524.582
105.0	1332.990	1365.948	1394.784	1420.506	1444.410	1470.744	1497.402	1522.494	1546.632	1569.888
107.5	1382.724	1413.396	1440.162	1466.244	1491.336	1518.048	1545.228	1570.716	1592.892	1614.708
110.0	1426.698	1455.930	1483.920	1510.632	1536.714	1563.840	1592.172	1617.030	1637.550	1659.402
112.5	1470.132	1499.346	1526.580	1553.886	1581.678	1608.264	1634.958	1658.880	1679.922	1701.234
115.0	1516.266	1546.866	1572.354	1598.814	1625.778	1651.770	1677.546	1700.532	1721.736	1741.878
117.5	1562.310	1589.472	1616.310	1642.140	1667.790	1693.188	1718.082	1740.654	1761.354	1780.704
120.0	1604.538	1631.628	1658.268	1683.684	1708.776	1733.310	1756.440	1778.454	1799.946	1817.478
122.5	1647.072	1673.460	1698.606	1723.284	1747.062	1770.480	1792.620	1813.770	1833.570	1851.948
125.0	1687.014	1711.962	1736.424	1759.950	1783.170	1804.608	1825.596	1846.350	1865.070	1882.584
127.5	1723.500	1747.548	1771.254	1794.726	1816.326	1837.116	1857.006	1875.816	1893.654	1910.574
130.0	1758.924	1782.234	1804.410	1825.938	1847.394	1868.094	1886.004	1903.680	1921.518	1936.710
132.5	1792.908	1813.968	1835.154	1855.908	1875.834	1894.896	1913.814	1930.302	1946.394	1961.388
135.0	1823.958	1843.956	1863.756	1883.592	1902.618	1920.924	1938.312	1954.980	1969.668	1983.204
137.5	1853.892	1872.360	1891.062	1909.566	1928.376	1944.630	1960.578	1975.734	1990.242	2002.896
140.0	1882.134	1899.000	1915.668	1932.948	1949.958	1965.726	1980.522	1994.310	2007.162	2019.042
142.5	1906.560	1922.958	1938.708	1954.260	1969.488	1983.996	1996.902	2009.592	2021.742	2033.514
145.0	1930.122	1944.450	1958.526	1972.152	1985.472	1998.756	2011.896	2024.190	2034.126	2043.972
147.5	1950.048	1962.738	1975.770	1988.874	2002.104	2012.814	2023.524	2034.198	2044.800	2054.826
150.0	1967.616	1980.306	1991.376	2002.158	2012.940	2023.740	2034.234	2044.098	2053.350	2061.324
152.5	1981.314	1993.104	2003.598	2013.804	2023.668	2033.406	2041.956	2050.236	2058.138	2065.230
155.0	1993.644	2004.138	2013.552	2022.624	2031.264	2038.824	2046.312	2053.692	2060.964	2068.020
157.5	2002.410	2010.636	2018.988	2027.322	2035.890	2042.964	2050.740	2055.996	2061.198	2066.310
160.0	2007.486	2015.784	2023.596	2030.058	2036.430	2042.694	2048.598	2054.088	2059.470	2064.816
162.5	2009.466	2015.676	2022.156	2028.546	2034.576	2040.084	2045.520	2050.848	2056.068	2059.992
165.0	2010.510	2015.550	2020.734	2025.936	2030.904	2035.332	2039.670	2043.576	2047.104	2050.632
167.5	2008.638	2012.292	2015.892	2019.618	2022.912	2026.404	2029.914	2033.352	2036.628	2039.796
170.0	2003.184	2006.586	2009.952	2012.616	2015.298	2017.908	2020.338	2022.408	2024.190	2025.738
172.5	1994.526	1996.740	1998.864	2000.898	2002.842	2004.696	2006.442	2008.296	2010.168	2012.166
175.0	1990.764	1991.628	1991.340	1991.754	1993.572	1994.544	1996.200	1997.820	1999.386	2000.916
177.5	1995.138	1995.012	1994.886	1994.778	1994.652	1994.544	1994.418	1994.292	1994.166	1994.040
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	<u>50.0</u>	<u>52.5</u>	<u>55.0</u>	<u>57.5</u>	<u>60.0</u>	<u>62.5</u>	<u>65.0</u>	<u>67.5</u>	<u>70.0</u>	<u>72.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1993.914	1993.788	1993.662	1993.536	1994.346	1993.428	1993.248	1993.194	1993.158	1993.104
5.0	2002.392	2003.814	2005.236	2006.388	2007.378	2008.494	2009.070	2009.628	2010.096	2010.492
7.5	2014.092	2015.946	2017.746	2019.474	2021.130	2022.696	2024.190	2025.648	2026.656	2027.610
10.0	2027.088	2028.510	2029.860	2031.678	2034.108	2036.394	2038.590	2040.642	2042.586	2044.368
12.5	2042.802	2045.574	2047.374	2048.562	2049.570	2050.398	2051.892	2054.232	2056.410	2058.462
15.0	2053.962	2056.968	2060.370	2062.278	2064.204	2065.248	2065.734	2066.022	2067.354	2069.550
17.5	2063.034	2066.184	2069.316	2072.052	2074.212	2076.084	2077.596	2077.884	2077.650	2077.812
20.0	2069.244	2073.420	2076.372	2079.000	2082.222	2084.022	2085.570	2087.280	2087.838	2087.298
22.5	2071.386	2076.354	2081.088	2085.516	2088.378	2090.718	2092.446	2093.922	2095.218	2095.380
25.0	2073.528	2078.532	2083.176	2087.658	2091.942	2095.272	2097.306	2098.674	2099.646	2100.420
27.5	2072.214	2079.468	2083.986	2088.630	2092.770	2096.640	2099.952	2101.140	2101.428	2101.896

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CANDELA TABULATION - (Cont.)

30.0	2068.758	2075.742	2082.024	2087.316	2091.078	2094.750	2098.206	2101.824	2101.752	2101.770
32.5	2063.232	2069.910	2076.354	2082.618	2088.954	2092.284	2095.272	2097.576	2099.322	2098.548
35.0	2053.602	2062.890	2070.540	2076.192	2081.322	2086.308	2089.494	2091.816	2093.922	2094.390
37.5	2043.252	2052.090	2060.226	2067.696	2073.060	2078.136	2082.816	2084.832	2085.804	2086.614
40.0	2029.878	2039.814	2048.616	2056.482	2063.412	2067.030	2070.630	2074.680	2076.120	2076.822
42.5	2014.866	2024.604	2034.072	2041.542	2047.968	2054.160	2058.354	2061.882	2064.690	2064.420
45.0	1996.182	2006.802	2016.198	2025.198	2032.686	2038.680	2043.828	2046.906	2049.732	2050.758
47.5	1974.726	1987.650	1998.000	2006.964	2015.100	2021.778	2027.124	2032.452	2033.910	2035.134
50.0	1951.704	1965.060	1977.084	1987.488	1995.498	2002.860	2008.782	2012.508	2015.838	2016.774
52.5	1926.216	1940.922	1953.756	1964.556	1974.510	1981.836	1987.848	1992.420	1995.750	1997.784
55.0	1898.856	1913.634	1927.116	1939.338	1949.562	1958.418	1964.700	1970.118	1973.916	1976.544
57.5	1868.850	1883.952	1897.128	1909.566	1920.690	1930.068	1937.844	1943.622	1948.716	1952.406
60.0	1834.398	1850.004	1863.846	1876.770	1888.470	1898.370	1906.146	1912.860	1918.260	1923.318
62.5	1797.678	1814.022	1828.044	1842.408	1855.404	1867.266	1876.320	1881.702	1885.734	1890.774
65.0	1760.040	1776.168	1791.720	1806.912	1821.348	1836.018	1844.784	1849.302	1853.892	1858.230
67.5	1720.566	1737.810	1754.586	1769.364	1784.952	1799.694	1810.980	1817.118	1821.546	1826.064
70.0	1680.012	1698.552	1715.976	1733.634	1750.968	1766.322	1778.706	1786.734	1791.252	1796.346
72.5	1636.704	1657.008	1676.070	1695.456	1715.760	1734.750	1748.574	1753.776	1759.464	1765.476
75.0	1592.640	1614.222	1633.950	1655.352	1675.656	1695.222	1707.426	1715.076	1721.232	1727.316
77.5	1547.964	1570.014	1590.264	1612.062	1632.222	1649.016	1661.688	1672.236	1680.120	1688.130
80.0	1499.364	1521.792	1544.058	1565.658	1585.854	1603.242	1618.668	1630.584	1639.044	1648.134
82.5	1450.674	1473.606	1497.060	1518.948	1540.422	1560.438	1579.572	1590.552	1598.184	1606.212
85.0	1402.992	1426.410	1449.990	1471.860	1493.874	1516.104	1538.514	1547.262	1554.264	1561.842
87.5	1359.972	1382.544	1405.890	1427.778	1449.828	1473.894	1497.744	1505.034	1511.424	1519.650
90.0	1400.688	1422.162	1443.294	1464.768	1486.278	1504.224	1517.814	1527.408	1532.196	1535.976
92.5	1359.972	1382.544	1405.890	1427.778	1449.828	1473.894	1497.744	1505.034	1511.424	1519.650
95.0	1402.992	1426.410	1449.990	1471.860	1493.874	1516.104	1538.514	1547.262	1554.264	1561.842
97.5	1450.674	1473.606	1497.060	1518.948	1540.422	1560.438	1579.572	1590.552	1598.184	1606.212
100.0	1499.364	1521.792	1544.058	1565.658	1585.854	1603.242	1618.668	1630.584	1639.044	1648.134
102.5	1547.964	1570.014	1590.264	1612.062	1632.222	1649.016	1661.688	1672.236	1680.120	1688.130
105.0	1592.640	1614.222	1633.950	1655.352	1675.656	1695.222	1707.426	1715.076	1721.232	1727.316
107.5	1636.704	1657.008	1676.070	1695.456	1715.760	1734.750	1748.574	1753.776	1759.464	1765.476
110.0	1680.012	1698.552	1715.976	1733.634	1750.968	1766.322	1778.706	1786.734	1791.252	1796.346
112.5	1720.566	1737.810	1754.586	1769.364	1784.952	1799.694	1810.980	1817.118	1821.546	1826.064
115.0	1760.040	1776.168	1791.720	1806.912	1821.348	1836.018	1844.784	1849.302	1853.892	1858.230
117.5	1797.678	1814.022	1828.044	1842.408	1855.404	1867.266	1876.320	1881.702	1885.734	1890.774
120.0	1834.398	1850.004	1863.846	1876.770	1888.470	1898.370	1906.146	1912.860	1918.260	1923.318
122.5	1868.850	1883.952	1897.128	1909.566	1920.690	1930.068	1937.844	1943.622	1948.716	1952.406
125.0	1898.856	1913.634	1927.116	1939.338	1949.562	1958.418	1964.700	1970.118	1973.916	1976.544
127.5	1926.216	1940.922	1953.756	1964.556	1974.510	1981.836	1987.848	1992.420	1995.750	1997.784
130.0	1951.704	1965.060	1977.084	1987.488	1995.498	2002.860	2008.782	2012.508	2015.838	2016.774
132.5	1974.726	1987.650	1998.000	2006.964	2015.100	2021.778	2027.124	2032.452	2033.928	2035.134
135.0	1996.182	2006.802	2016.198	2025.198	2032.686	2038.680	2043.828	2046.906	2049.732	2050.758
137.5	2014.866	2024.604	2034.072	2041.542	2047.968	2054.160	2058.354	2061.882	2064.690	2064.420
140.0	2029.878	2039.814	2048.616	2056.482	2063.412	2067.030	2070.630	2074.680	2076.120	2076.822
142.5	2043.252	2052.090	2060.226	2067.696	2073.060	2078.136	2082.816	2084.832	2085.804	2086.614
145.0	2053.602	2062.890	2070.540	2076.192	2081.322	2086.308	2089.494	2091.816	2093.922	2094.390
147.5	2063.232	2069.910	2076.354	2082.618	2088.954	2092.284	2095.272	2097.576	2099.322	2098.548
150.0	2068.758	2075.742	2082.024	2087.316	2091.078	2094.750	2098.206	2101.824	2101.752	2101.770
152.5	2072.214	2079.468	2083.986	2088.630	2092.770	2096.640	2099.952	2101.140	2101.428	2101.896
155.0	2073.528	2078.532	2083.176	2087.658	2091.942	2095.272	2097.306	2098.674	2099.646	2100.420
157.5	2071.386	2076.354	2081.088	2085.516	2088.378	2090.718	2092.446	2093.922	2095.218	2095.380
160.0	2069.244	2073.420	2076.372	2079.000	2082.222	2084.022	2085.570	2087.280	2087.838	2087.298
162.5	2063.034	2066.184	2069.316	2072.052	2074.212	2076.084	2077.596	2077.884	2077.650	2077.812
165.0	2053.962	2056.968	2060.370	2062.278	2064.204	2065.248	2065.734	2066.022	2067.354	2069.550
167.5	2042.802	2045.574	2047.374	2048.562	2049.570	2050.398	2051.892	2054.232	2056.410	2058.480

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CANDELA TABULATION - (Cont.)

170.0	2027.088	2028.510	2029.860	2031.678	2034.108	2036.394	2038.590	2040.642	2042.586	2044.368
172.5	2014.092	2015.946	2017.746	2019.474	2021.130	2022.696	2024.190	2025.648	2026.656	2027.610
175.0	2002.392	2003.814	2005.236	2006.388	2007.378	2008.494	2009.070	2009.628	2010.096	2010.492
177.5	1993.914	1993.788	1993.662	1993.536	1994.346	1993.428	1993.248	1993.194	1993.158	1993.104
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	75.0	77.5	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1993.536	1993.014	1993.032	1993.050	1993.068	1993.086	1993.086	1993.086	1993.068	1993.050
5.0	2010.816	2011.050	2011.194	2011.914	2011.392	2011.500	2011.554	2011.500	2011.392	2011.284
7.5	2028.654	2028.222	2028.384	2028.438	2028.402	2028.438	2028.492	2028.438	2028.402	2028.456
10.0	2045.808	2046.780	2047.104	2047.266	2047.266	2047.158	2047.248	2047.158	2047.266	2047.266
12.5	2060.370	2062.080	2063.394	2063.160	2062.908	2063.250	2062.584	2062.620	2062.926	2063.178
15.0	2071.602	2073.474	2075.040	2075.562	2075.364	2075.004	2074.860	2075.022	2075.382	2075.580
17.5	2079.900	2081.862	2083.680	2084.796	2085.120	2084.706	2084.094	2084.724	2085.138	2084.814
20.0	2087.244	2089.422	2091.456	2093.238	2093.382	2092.806	2092.320	2092.824	2093.400	2093.238
22.5	2094.192	2094.408	2096.442	2098.296	2099.034	2098.566	2097.954	2098.584	2099.052	2098.296
25.0	2099.664	2097.756	2099.088	2100.906	2102.148	2101.284	2100.276	2101.302	2102.112	2100.924
27.5	2102.076	2100.078	2099.052	2101.122	2102.742	2101.878	2101.500	2101.878	2102.760	2101.122
30.0	2101.554	2100.384	2097.252	2098.602	2100.348	2099.880	2098.800	2099.898	2100.366	2098.602
32.5	2097.882	2097.180	2093.958	2093.292	2094.894	2094.822	2093.742	2094.840	2094.894	2093.292
35.0	2093.022	2091.528	2088.900	2085.948	2087.532	2087.730	2086.668	2087.748	2087.532	2085.948
37.5	2085.066	2083.104	2080.872	2076.372	2077.452	2077.938	2076.858	2077.956	2077.452	2076.444
40.0	2076.498	2073.708	2070.792	2066.346	2065.428	2066.040	2064.960	2066.058	2065.446	2066.400
42.5	2063.682	2061.126	2057.760	2053.746	2051.064	2051.928	2050.902	2051.964	2051.064	2053.818
45.0	2049.768	2048.004	2044.152	2040.318	2035.836	2036.754	2036.016	2036.754	2035.854	2040.372
47.5	2033.838	2031.570	2027.772	2023.596	2017.836	2018.862	2018.322	2018.880	2017.854	2023.650
50.0	2017.800	2014.380	2010.960	2005.992	1999.836	1999.656	1999.494	1999.656	1999.908	2006.046
52.5	1997.604	1995.192	1991.754	1986.282	1980.342	1978.614	1978.902	1978.614	1980.414	1986.354
55.0	1976.454	1975.320	1971.288	1966.446	1960.200	1956.672	1957.338	1956.672	1960.254	1966.518
57.5	1954.494	1952.442	1948.500	1943.388	1937.106	1932.012	1933.074	1932.030	1937.160	1943.442
60.0	1925.856	1926.216	1924.326	1919.934	1912.932	1906.794	1907.784	1906.740	1912.986	1919.988
62.5	1894.410	1896.678	1895.652	1891.710	1885.608	1878.228	1879.794	1878.228	1885.662	1891.746
65.0	1860.462	1862.172	1862.946	1862.298	1858.230	1849.608	1851.174	1849.608	1858.266	1862.334
67.5	1828.998	1829.934	1829.250	1829.394	1827.558	1819.620	1820.520	1819.656	1827.594	1829.430
70.0	1798.596	1797.804	1795.770	1794.276	1794.672	1789.884	1789.308	1789.920	1794.690	1794.294
72.5	1767.006	1767.798	1764.558	1758.510	1755.828	1754.046	1754.028	1754.046	1755.846	1758.564
75.0	1732.104	1734.138	1730.520	1723.986	1717.812	1716.552	1718.352	1716.552	1717.830	1724.022
77.5	1692.792	1694.628	1693.908	1689.210	1679.670	1673.262	1675.800	1673.280	1679.688	1689.246
80.0	1652.364	1655.802	1654.290	1649.952	1642.500	1631.232	1632.942	1631.250	1642.518	1649.988
82.5	1611.990	1616.058	1614.222	1612.314	1603.944	1592.334	1588.212	1592.352	1603.962	1612.332
85.0	1569.366	1572.066	1572.030	1569.186	1561.338	1553.778	1543.662	1553.778	1561.356	1569.204
87.5	1527.642	1529.370	1530.018	1527.264	1521.738	1513.530	1502.730	1513.548	1521.738	1527.264
90.0	1537.380	1539.846	1536.444	1531.386	1522.944	1527.624	1524.510	1527.642	1522.998	1531.530
92.5	1527.642	1529.370	1530.018	1527.264	1521.738	1513.530	1502.730	1513.548	1521.738	1527.264
95.0	1569.366	1572.066	1572.030	1569.186	1561.338	1553.778	1543.662	1553.778	1561.356	1569.204
97.5	1611.990	1616.058	1614.222	1612.314	1603.944	1592.334	1588.212	1592.352	1603.962	1612.332
100.0	1652.364	1655.802	1654.290	1649.952	1642.500	1631.232	1632.942	1631.250	1642.518	1649.988
102.5	1692.792	1694.628	1693.908	1689.210	1679.670	1673.262	1675.800	1673.280	1679.688	1689.246
105.0	1732.104	1734.138	1730.520	1723.986	1717.812	1716.552	1718.352	1716.552	1717.830	1724.022
107.5	1767.006	1767.798	1764.558	1758.510	1755.828	1754.046	1754.028	1754.046	1755.846	1758.564
110.0	1798.596	1797.804	1795.770	1794.276	1794.672	1789.884	1789.308	1789.920	1794.690	1794.294
112.5	1828.998	1829.934	1829.250	1829.394	1827.558	1819.620	1820.520	1819.656	1827.594	1829.430
115.0	1860.462	1862.172	1862.946	1862.298	1858.230	1849.608	1851.174	1849.608	1858.266	1862.334

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CANDELA TABULATION - (Cont.)

117.5	1894.410	1896.678	1895.652	1891.710	1885.608	1878.228	1879.794	1878.228	1885.662	1891.746
120.0	1925.856	1926.216	1924.326	1919.934	1912.932	1906.794	1907.784	1906.740	1912.986	1919.988
122.5	1954.494	1952.442	1948.500	1943.388	1937.106	1932.012	1933.074	1932.030	1937.160	1943.442
125.0	1976.454	1975.320	1971.288	1966.446	1960.200	1956.672	1957.338	1956.672	1960.254	1966.518
127.5	1997.604	1995.192	1991.754	1986.282	1980.342	1978.614	1978.902	1978.614	1980.414	1986.354
130.0	2017.800	2014.380	2010.960	2005.992	1999.836	1999.656	1999.494	1999.656	1999.908	2006.046
132.5	2033.838	2031.570	2027.772	2023.596	2017.836	2018.862	2018.322	2018.880	2017.854	2023.650
135.0	2049.768	2048.004	2044.152	2040.318	2035.836	2036.754	2036.016	2036.754	2035.854	2040.372
137.5	2063.682	2061.126	2057.760	2053.746	2051.064	2051.928	2050.902	2051.964	2051.064	2053.818
140.0	2076.498	2073.708	2070.792	2066.346	2065.428	2066.040	2064.960	2066.058	2065.446	2066.400
142.5	2085.066	2083.104	2080.872	2076.372	2077.452	2077.938	2076.858	2077.956	2077.452	2076.444
145.0	2093.022	2091.528	2088.900	2085.948	2087.532	2087.730	2086.668	2087.748	2087.532	2085.948
147.5	2097.882	2097.180	2093.958	2093.292	2094.894	2094.822	2093.742	2094.840	2094.894	2093.292
150.0	2101.554	2100.384	2097.252	2098.602	2100.348	2099.880	2098.800	2099.898	2100.366	2098.602
152.5	2102.076	2100.078	2099.052	2101.122	2102.742	2101.878	2101.500	2101.878	2102.760	2101.122
155.0	2099.664	2097.756	2099.088	2100.906	2102.148	2101.284	2100.276	2101.302	2102.112	2100.924
157.5	2094.192	2094.408	2096.442	2098.296	2099.034	2098.566	2097.954	2098.584	2099.052	2098.296
160.0	2087.244	2089.422	2091.456	2093.238	2093.382	2092.806	2092.320	2092.824	2093.400	2093.238
162.5	2079.900	2081.862	2083.680	2084.796	2085.120	2084.706	2084.094	2084.724	2085.138	2084.814
165.0	2071.602	2073.474	2075.040	2075.562	2075.364	2075.004	2074.860	2075.022	2075.382	2075.580
167.5	2060.370	2062.080	2063.394	2063.160	2062.908	2063.250	2062.584	2062.620	2062.926	2063.178
170.0	2045.808	2046.780	2047.104	2047.266	2047.266	2047.158	2047.248	2047.158	2047.266	2047.266
172.5	2028.654	2028.222	2028.384	2028.438	2028.402	2028.438	2028.492	2028.438	2028.402	2028.456
175.0	2010.816	2011.050	2011.194	2011.914	2011.392	2011.500	2011.554	2011.500	2011.392	2011.284
177.5	1993.536	1993.014	1993.032	1993.050	1993.068	1993.086	1993.086	1993.086	1993.068	1993.050
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

Vert. Horizontal Angles
Angles

	<u>100.0</u>	<u>102.5</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>117.5</u>	<u>120.0</u>	<u>122.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1993.032	1993.014	1993.680	1993.122	1993.176	1993.212	1993.248	1993.428	1994.364	1993.554
5.0	2011.212	2011.050	2010.816	2010.510	2010.114	2009.646	2009.088	2008.422	2007.378	2006.388
7.5	2028.402	2028.240	2028.672	2027.628	2026.674	2025.630	2024.190	2022.696	2021.130	2019.474
10.0	2047.104	2046.798	2045.826	2044.368	2042.568	2040.642	2038.590	2036.394	2034.090	2031.678
12.5	2063.412	2062.080	2060.370	2058.462	2056.410	2054.214	2051.892	2050.452	2049.624	2048.616
15.0	2075.058	2073.474	2071.602	2069.550	2067.354	2066.076	2065.788	2065.302	2064.258	2062.332
17.5	2083.680	2081.880	2079.900	2077.812	2077.722	2077.956	2077.650	2076.138	2074.248	2072.088
20.0	2091.456	2089.422	2087.244	2087.352	2087.910	2087.316	2085.624	2084.076	2082.150	2079.054
22.5	2096.460	2094.408	2094.246	2095.452	2095.272	2093.976	2092.500	2090.826	2088.432	2085.570
25.0	2099.088	2097.810	2099.736	2100.474	2099.700	2098.728	2097.360	2095.326	2091.978	2087.694
27.5	2099.052	2100.132	2102.130	2101.950	2101.482	2101.086	2100.024	2096.694	2092.806	2088.684
30.0	2097.324	2100.456	2101.608	2101.824	2101.860	2101.770	2098.260	2094.804	2091.114	2087.370
32.5	2093.976	2097.198	2097.954	2098.602	2099.376	2097.648	2095.326	2092.338	2088.882	2082.654
35.0	2088.972	2091.600	2093.094	2094.462	2093.976	2091.888	2089.566	2086.362	2081.376	2076.246
37.5	2080.926	2083.176	2085.138	2086.686	2085.876	2084.904	2082.870	2078.190	2073.114	2067.750
40.0	2070.864	2073.780	2076.570	2076.876	2076.174	2074.770	2070.684	2067.084	2063.322	2056.536
42.5	2057.832	2061.198	2063.736	2064.474	2064.762	2061.936	2058.426	2054.214	2048.022	2041.596
45.0	2044.224	2048.076	2049.822	2050.830	2049.606	2046.978	2043.882	2038.734	2032.740	2025.252
47.5	2027.844	2031.642	2033.892	2035.206	2033.982	2032.434	2027.196	2021.850	2015.154	2007.018
50.0	2011.032	2014.452	2017.800	2016.846	2015.892	2012.580	2008.836	2002.914	1995.552	1987.542
52.5	1991.826	1995.246	1997.658	1997.856	1995.804	1992.474	1987.902	1981.890	1974.582	1964.592
55.0	1971.342	1975.374	1976.526	1976.598	1973.970	1970.172	1964.772	1958.472	1949.616	1939.392
57.5	1948.554	1952.496	1954.548	1952.478	1948.752	1943.676	1937.898	1929.978	1920.744	1909.620
60.0	1924.380	1926.270	1925.892	1923.372	1918.314	1912.914	1906.200	1898.424	1888.524	1876.824
62.5	1895.706	1896.714	1894.464	1890.810	1885.788	1881.756	1876.392	1867.320	1855.440	1842.462

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CANDELA TABULATION - (Cont.)

65.0	1862.982	1862.208	1860.498	1858.284	1853.946	1849.356	1844.838	1836.072	1821.402	1806.966
67.5	1829.304	1829.970	1829.034	1826.100	1821.618	1817.172	1810.980	1799.730	1785.006	1769.418
70.0	1795.806	1797.858	1798.650	1796.400	1791.306	1786.806	1778.760	1766.376	1751.022	1733.670
72.5	1764.612	1767.852	1767.060	1765.530	1759.518	1753.812	1748.628	1734.804	1715.760	1695.510
75.0	1730.556	1734.174	1732.140	1727.352	1721.268	1715.112	1707.480	1695.258	1675.692	1655.388
77.5	1693.944	1694.664	1692.828	1688.166	1680.156	1672.272	1661.724	1649.052	1632.258	1612.098
80.0	1654.308	1655.820	1652.400	1648.152	1639.080	1630.620	1618.704	1603.260	1585.890	1565.676
82.5	1614.240	1616.076	1612.008	1606.230	1598.202	1590.570	1579.590	1560.474	1540.440	1518.966
85.0	1572.048	1572.084	1569.366	1561.860	1554.282	1547.280	1538.532	1516.122	1493.892	1471.860
87.5	1530.018	1529.370	1527.642	1519.650	1511.442	1505.052	1497.762	1473.912	1449.828	1427.778
90.0	1536.606	1540.008	1537.560	1536.156	1532.394	1527.588	1518.012	1504.386	1486.458	1464.948
92.5	1530.018	1529.370	1527.642	1519.650	1511.442	1505.052	1497.762	1473.912	1449.828	1427.778
95.0	1572.048	1572.084	1569.366	1561.860	1554.282	1547.280	1538.532	1516.122	1493.892	1471.860
97.5	1614.240	1616.076	1612.008	1606.230	1598.202	1590.570	1579.590	1560.474	1540.440	1518.966
100.0	1654.308	1655.820	1652.400	1648.152	1639.080	1630.620	1618.704	1603.260	1585.890	1565.676
102.5	1693.944	1694.664	1692.828	1688.166	1680.156	1672.272	1661.724	1649.052	1632.258	1612.098
105.0	1730.556	1734.174	1732.140	1727.352	1721.268	1715.112	1707.480	1695.258	1675.692	1655.388
107.5	1764.612	1767.852	1767.060	1765.530	1759.518	1753.812	1748.628	1734.804	1715.760	1695.510
110.0	1795.806	1797.858	1798.650	1796.400	1791.306	1786.806	1778.760	1766.376	1751.022	1733.670
112.5	1829.304	1829.970	1829.034	1826.100	1821.618	1817.172	1810.980	1799.730	1785.006	1769.418
115.0	1862.982	1862.208	1860.498	1858.284	1853.946	1849.356	1844.838	1836.072	1821.402	1806.966
117.5	1895.706	1896.714	1894.464	1890.810	1885.788	1881.756	1876.392	1867.320	1855.440	1842.462
120.0	1924.380	1926.270	1925.892	1923.372	1918.314	1912.914	1906.200	1898.424	1888.524	1876.824
122.5	1948.554	1952.496	1954.548	1952.478	1948.752	1943.676	1937.898	1929.978	1920.744	1909.620
125.0	1971.342	1975.374	1976.526	1976.598	1973.970	1970.172	1964.772	1958.472	1949.616	1939.392
127.5	1991.826	1995.246	1997.658	1997.856	1995.804	1992.474	1987.902	1981.890	1974.582	1964.592
130.0	2011.032	2014.452	2017.800	2016.846	2015.892	2012.580	2008.836	2002.914	1995.552	1987.542
132.5	2027.844	2031.642	2033.892	2035.206	2033.982	2032.434	2027.196	2021.850	2015.154	2007.018
135.0	2044.224	2048.076	2049.822	2050.830	2049.606	2046.978	2043.882	2038.734	2032.740	2025.252
137.5	2057.832	2061.198	2063.736	2064.474	2064.762	2061.936	2058.426	2054.214	2048.022	2041.596
140.0	2070.864	2073.780	2076.570	2076.876	2076.174	2074.770	2070.684	2067.084	2063.322	2056.536
142.5	2080.926	2083.176	2085.138	2086.686	2085.876	2084.904	2082.870	2078.190	2073.114	2067.750
145.0	2088.972	2091.600	2093.094	2094.462	2093.976	2091.888	2089.566	2086.362	2081.376	2076.246
147.5	2093.976	2097.198	2097.954	2098.602	2099.376	2097.648	2095.326	2092.338	2088.882	2082.654
150.0	2097.324	2100.456	2101.608	2101.824	2101.860	2101.770	2098.260	2094.804	2091.114	2087.370
152.5	2099.052	2100.132	2102.130	2101.950	2101.482	2101.086	2100.024	2096.694	2092.806	2088.684
155.0	2099.088	2097.810	2099.736	2100.474	2099.700	2098.728	2097.360	2095.326	2091.978	2087.694
157.5	2096.460	2094.408	2094.246	2095.452	2095.272	2093.976	2092.500	2090.826	2088.432	2085.570
160.0	2091.456	2089.422	2087.244	2087.352	2087.910	2087.316	2085.624	2084.076	2082.150	2079.054
162.5	2083.680	2081.880	2079.900	2077.812	2077.722	2077.956	2077.650	2076.138	2074.248	2072.088
165.0	2075.058	2073.474	2071.602	2069.550	2067.354	2066.076	2065.788	2065.302	2064.258	2062.332
167.5	2063.412	2062.080	2060.370	2058.462	2056.410	2054.214	2051.892	2050.452	2049.624	2048.616
170.0	2047.104	2046.798	2045.826	2044.368	2042.568	2040.642	2038.590	2036.394	2034.090	2031.678
172.5	2028.402	2028.240	2028.672	2027.628	2026.674	2025.630	2024.190	2022.696	2021.130	2019.474
175.0	2011.212	2011.050	2010.816	2010.510	2010.114	2009.646	2009.088	2008.422	2007.378	2006.388
177.5	1993.032	1993.014	1993.680	1993.122	1993.176	1993.212	1993.248	1993.428	1994.364	1993.554
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	<u>125.0</u>	<u>127.5</u>	<u>130.0</u>	<u>132.5</u>	<u>135.0</u>	<u>137.5</u>	<u>140.0</u>	<u>142.5</u>	<u>145.0</u>	<u>147.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1993.680	1993.806	1993.932	1994.058	1994.184	1994.310	1994.436	1994.562	1994.670	1994.796
5.0	2005.236	2003.814	2002.392	2000.916	1999.386	1997.820	1996.200	1994.526	1993.572	1991.754
7.5	2017.746	2015.946	2014.074	2012.148	2010.168	2008.278	2006.496	2004.750	2002.896	2000.952
10.0	2029.914	2028.564	2027.142	2025.792	2024.244	2022.462	2020.392	2017.944	2015.334	2012.652

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CANDELA TABULATION - (Cont.)

12.5	2047.446	2045.628	2042.856	2039.832	2036.682	2033.388	2029.968	2026.422	2022.948	2019.708
15.0	2060.406	2057.004	2054.016	2050.668	2047.140	2043.612	2039.706	2035.368	2030.958	2025.972
17.5	2069.352	2066.220	2063.070	2060.028	2056.104	2050.866	2045.538	2040.120	2034.594	2028.564
20.0	2076.426	2073.474	2069.262	2064.852	2059.506	2054.124	2048.670	2042.712	2036.448	2030.076
22.5	2081.124	2076.372	2071.422	2066.346	2061.234	2056.032	2050.560	2042.982	2035.890	2027.322
25.0	2083.230	2078.568	2073.564	2068.074	2060.982	2053.710	2046.330	2038.860	2031.282	2022.624
27.5	2084.040	2079.558	2072.250	2065.266	2058.156	2050.272	2041.974	2033.442	2023.668	2013.804
30.0	2082.078	2075.778	2068.794	2061.414	2053.386	2044.116	2034.252	2023.758	2012.958	2002.176
32.5	2076.408	2069.946	2063.268	2054.862	2044.836	2034.216	2023.542	2012.832	2002.104	1988.874
35.0	2070.594	2062.926	2053.638	2044.008	2034.162	2024.244	2011.914	1998.756	1985.472	1972.152
37.5	2060.262	2052.126	2043.288	2033.550	2021.778	2009.610	1996.920	1984.014	1969.254	1954.260
40.0	2048.670	2039.850	2029.914	2019.078	2007.198	1994.346	1980.540	1965.744	1949.958	1932.948
42.5	2034.126	2024.658	2014.902	2002.932	1990.260	1975.752	1960.596	1944.648	1928.448	1909.566
45.0	2016.234	2006.856	1996.218	1983.240	1969.704	1955.016	1938.330	1920.654	1902.618	1883.592
47.5	1998.054	1987.614	1974.762	1961.424	1946.430	1930.320	1913.832	1894.914	1875.834	1855.926
50.0	1977.138	1965.114	1951.740	1936.746	1921.536	1903.698	1886.022	1868.094	1847.412	1825.956
52.5	1953.810	1940.760	1926.270	1910.610	1893.690	1875.852	1857.024	1837.134	1816.326	1794.726
55.0	1927.170	1913.688	1898.910	1882.638	1865.106	1846.368	1825.614	1804.626	1783.188	1759.968
57.5	1897.182	1884.006	1868.904	1851.984	1833.606	1813.788	1792.656	1770.498	1747.080	1723.302
60.0	1863.900	1850.040	1834.452	1817.532	1799.928	1778.490	1756.458	1733.310	1708.794	1683.684
62.5	1828.080	1814.058	1797.732	1780.758	1761.390	1740.690	1718.100	1693.206	1667.790	1642.158
65.0	1791.774	1776.222	1760.094	1741.914	1721.772	1700.568	1677.564	1651.788	1625.796	1598.832
67.5	1754.442	1737.864	1720.602	1701.270	1679.958	1658.898	1634.976	1608.282	1581.696	1553.904
70.0	1716.030	1698.606	1680.066	1659.438	1637.568	1617.066	1592.208	1563.876	1536.732	1510.650
72.5	1676.106	1657.044	1636.740	1614.744	1592.910	1570.752	1545.264	1518.066	1491.354	1466.262
75.0	1633.986	1614.258	1592.676	1569.924	1546.668	1522.530	1497.420	1470.762	1444.428	1420.524
77.5	1590.300	1570.050	1547.982	1524.618	1500.840	1475.622	1449.900	1423.008	1396.368	1372.806
80.0	1544.076	1521.828	1499.382	1476.684	1453.320	1426.482	1399.914	1372.158	1345.428	1320.030
82.5	1497.078	1473.624	1450.692	1426.788	1403.532	1375.146	1347.372	1320.804	1294.182	1267.848
85.0	1450.008	1426.428	1402.992	1380.690	1358.118	1328.598	1298.988	1271.052	1244.466	1215.918
87.5	1405.890	1382.544	1359.972	1337.508	1316.214	1285.110	1254.780	1226.250	1198.206	1170.486
90.0	1443.474	1422.342	1400.850	1377.000	1351.944	1324.224	1295.280	1265.094	1234.548	1205.172
92.5	1405.890	1382.544	1359.990	1337.508	1316.214	1285.110	1254.780	1226.250	1198.206	1170.486
95.0	1450.008	1426.428	1402.992	1380.690	1358.118	1328.598	1298.988	1271.052	1244.466	1215.918
97.5	1497.078	1473.624	1450.692	1426.788	1403.532	1375.146	1347.372	1320.804	1294.182	1267.848
100.0	1544.076	1521.828	1499.382	1476.684	1453.320	1426.482	1399.914	1372.158	1345.428	1320.030
102.5	1590.300	1570.050	1547.982	1524.618	1500.840	1475.622	1449.900	1423.008	1396.368	1372.806
105.0	1633.986	1614.258	1592.676	1569.924	1546.668	1522.530	1497.420	1470.762	1444.428	1420.524
107.5	1676.106	1657.044	1636.740	1614.744	1592.910	1570.752	1545.264	1518.066	1491.354	1466.262
110.0	1716.030	1698.606	1680.066	1659.438	1637.568	1617.066	1592.208	1563.876	1536.732	1510.650
112.5	1754.442	1737.864	1720.602	1701.270	1679.958	1658.898	1634.976	1608.282	1581.696	1553.904
115.0	1791.774	1776.222	1760.094	1741.914	1721.772	1700.568	1677.564	1651.788	1625.796	1598.832
117.5	1828.080	1814.058	1797.732	1780.758	1761.390	1740.690	1718.100	1693.206	1667.790	1642.158
120.0	1863.900	1850.040	1834.452	1817.532	1799.928	1778.490	1756.458	1733.310	1708.794	1683.684
122.5	1897.182	1884.006	1868.904	1851.984	1833.606	1813.788	1792.656	1770.498	1747.080	1723.302
125.0	1927.170	1913.688	1898.910	1882.638	1865.106	1846.368	1825.614	1804.626	1783.188	1759.968
127.5	1953.810	1940.760	1926.270	1910.610	1893.690	1875.852	1857.024	1837.134	1816.326	1794.726
130.0	1977.138	1965.114	1951.740	1936.746	1921.536	1903.698	1886.022	1868.094	1847.412	1825.956
132.5	1998.054	1987.614	1974.762	1961.424	1946.430	1930.320	1913.832	1894.914	1875.834	1855.926
135.0	2016.234	2006.856	1996.218	1983.240	1969.704	1955.016	1938.330	1920.654	1902.618	1883.592
137.5	2034.126	2024.658	2014.902	2002.932	1990.260	1975.752	1960.596	1944.648	1928.448	1909.584
140.0	2048.670	2039.850	2029.914	2019.078	2007.198	1994.346	1980.540	1965.744	1949.958	1932.948
142.5	2060.262	2052.126	2043.288	2033.550	2021.778	2009.610	1996.920	1984.014	1969.254	1954.260
145.0	2070.594	2062.926	2053.638	2044.008	2034.162	2024.244	2011.914	1998.756	1985.472	1972.152
147.5	2076.408	2069.946	2063.268	2054.862	2044.836	2034.216	2023.542	2012.832	2002.104	1988.874
150.0	2082.078	2075.778	2068.794	2061.414	2053.386	2044.116	2034.252	2023.758	2012.958	2002.176

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CANDELA TABULATION - (Cont.)

152.5	2084.040	2079.558	2072.250	2065.266	2058.156	2050.272	2041.974	2033.442	2023.668	2013.804
155.0	2083.230	2078.568	2073.564	2068.074	2060.982	2053.710	2046.330	2038.842	2031.282	2022.624
157.5	2081.124	2076.372	2071.422	2066.346	2061.234	2056.032	2050.560	2042.982	2035.890	2027.322
160.0	2076.426	2073.474	2069.262	2064.852	2059.506	2054.124	2048.670	2042.712	2036.448	2030.076
162.5	2069.352	2066.220	2063.070	2060.028	2056.104	2050.866	2045.538	2040.120	2034.594	2028.564
165.0	2060.406	2057.004	2054.016	2050.668	2047.140	2043.612	2039.706	2035.368	2030.958	2025.972
167.5	2047.446	2045.628	2042.856	2039.832	2036.682	2033.388	2029.968	2026.422	2022.948	2019.708
170.0	2029.914	2028.564	2027.142	2025.792	2024.244	2022.462	2020.392	2017.944	2015.334	2012.652
172.5	2017.746	2015.946	2014.074	2012.148	2010.168	2008.278	2006.496	2004.750	2002.896	2000.952
175.0	2005.236	2003.814	2002.392	2000.916	1999.386	1997.820	1996.200	1994.526	1993.572	1991.754
177.5	1993.680	1993.806	1993.932	1994.058	1994.184	1994.310	1994.436	1994.562	1994.670	1994.796
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	<u>150.0</u>	<u>152.5</u>	<u>155.0</u>	<u>157.5</u>	<u>160.0</u>	<u>162.5</u>	<u>165.0</u>	<u>167.5</u>	<u>170.0</u>	<u>172.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1994.904	1995.012	1995.156	1995.192	1995.174	1995.228	1995.282	1995.354	1995.408	1995.480
5.0	1991.340	1991.466	1990.764	1990.764	1990.764	1990.782	1990.836	1990.890	1990.944	1991.034
7.5	1998.918	1996.776	1994.580	1992.276	1991.394	1991.466	1991.610	1992.078	1992.168	1992.420
10.0	2009.970	2006.622	2003.220	1999.764	1996.236	1992.654	1990.332	1990.386	1990.026	1990.242
12.5	2015.910	2012.328	2008.674	2004.750	2000.322	1995.804	1991.250	1986.894	1987.074	1986.840
15.0	2020.752	2015.550	2010.528	2005.470	2000.394	1994.832	1988.946	1983.078	1978.056	1978.020
17.5	2022.174	2015.694	2009.484	2003.580	1997.658	1991.718	1985.364	1978.524	1971.684	1968.336
20.0	2023.632	2015.784	2007.504	1999.674	1991.772	1984.338	1976.958	1969.092	1960.866	1953.180
22.5	2019.006	2010.654	2002.302	1992.618	1983.222	1974.510	1966.014	1957.626	1948.392	1939.122
25.0	2013.552	2004.174	1993.626	1983.258	1972.044	1961.352	1951.092	1941.282	1931.274	1920.690
27.5	2003.598	1993.086	1981.350	1969.650	1958.310	1945.818	1934.100	1923.120	1912.356	1900.962
30.0	1991.394	1980.306	1967.598	1954.188	1940.778	1927.404	1913.292	1900.782	1888.632	1876.140
32.5	1975.770	1962.720	1950.030	1935.324	1920.708	1906.236	1891.350	1876.986	1864.026	1850.292
35.0	1958.526	1944.450	1930.104	1915.308	1898.568	1881.936	1865.574	1849.356	1834.344	1820.070
37.5	1938.690	1922.940	1906.542	1890.324	1873.764	1855.674	1838.016	1820.718	1804.086	1788.426
40.0	1915.668	1899.000	1882.116	1864.404	1846.548	1827.306	1807.632	1788.462	1770.372	1753.470
42.5	1891.062	1872.288	1853.874	1835.280	1816.020	1796.364	1775.790	1755.252	1735.884	1717.866
45.0	1863.738	1843.938	1823.958	1804.554	1784.358	1764.162	1742.058	1719.792	1699.038	1679.436
47.5	1835.154	1813.950	1792.890	1771.758	1750.284	1728.126	1705.518	1682.424	1660.140	1639.476
50.0	1804.428	1782.252	1758.906	1736.586	1713.870	1691.244	1667.376	1643.202	1619.028	1597.248
52.5	1771.254	1747.548	1723.500	1699.740	1676.376	1652.706	1627.542	1602.360	1576.998	1554.210
55.0	1736.424	1711.962	1686.978	1661.526	1637.244	1612.080	1586.844	1560.852	1534.302	1509.894
57.5	1698.624	1673.460	1647.072	1621.350	1596.204	1570.482	1543.644	1516.968	1489.590	1464.120
60.0	1658.268	1631.628	1604.538	1577.448	1551.330	1524.852	1498.752	1471.968	1444.014	1417.122
62.5	1616.328	1589.472	1562.292	1532.268	1504.116	1477.368	1449.900	1422.468	1395.054	1368.000
65.0	1572.372	1546.866	1516.266	1485.774	1456.614	1428.120	1399.176	1371.096	1343.502	1318.230
67.5	1526.580	1499.346	1470.132	1439.892	1409.220	1380.276	1350.990	1322.082	1292.310	1266.552
70.0	1483.938	1455.930	1426.716	1395.378	1364.310	1334.502	1303.596	1273.032	1242.684	1215.036
72.5	1440.180	1413.414	1382.724	1349.802	1317.636	1287.666	1256.040	1225.944	1193.778	1163.340
75.0	1394.802	1365.966	1333.008	1300.950	1267.938	1237.626	1206.702	1176.678	1143.702	1113.300
77.5	1346.544	1314.504	1281.330	1250.352	1217.268	1187.478	1155.816	1125.360	1093.788	1063.242
80.0	1293.534	1262.394	1230.876	1199.214	1166.616	1136.844	1104.786	1074.654	1042.128	1011.510
82.5	1241.154	1212.300	1183.626	1150.722	1117.260	1086.984	1055.862	1025.730	993.060	963.522
85.0	1189.206	1161.558	1134.504	1100.844	1066.788	1036.224	1005.840	974.988	942.984	912.564
87.5	1142.964	1116.612	1090.314	1055.718	1021.500	990.936	960.624	928.854	896.508	867.078
90.0	1176.858	1148.724	1112.508	1076.004	1040.004	1005.012	970.866	936.594	903.294	868.032
92.5	1142.964	1116.612	1090.314	1055.718	1021.500	990.936	960.624	928.854	896.508	867.078
95.0	1189.206	1161.558	1134.504	1100.844	1066.788	1036.224	1005.840	974.988	942.984	912.564
97.5	1241.154	1212.300	1183.626	1150.722	1117.260	1086.984	1055.862	1025.730	993.060	963.522

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CANDELA TABULATION - (Cont.)

100.0	1293.534	1262.394	1230.876	1199.214	1166.616	1136.844	1104.786	1074.654	1042.128	1011.510
102.5	1346.544	1314.504	1281.330	1250.352	1217.268	1187.478	1155.816	1125.360	1093.788	1063.242
105.0	1394.802	1365.966	1333.008	1300.950	1267.938	1237.626	1206.702	1176.678	1143.702	1113.300
107.5	1440.180	1413.414	1382.724	1349.802	1317.636	1287.666	1256.040	1225.944	1193.778	1163.340
110.0	1483.938	1455.930	1426.716	1395.378	1364.310	1334.502	1303.596	1273.032	1242.684	1215.036
112.5	1526.580	1499.346	1470.132	1439.892	1409.220	1380.276	1350.990	1322.082	1292.310	1266.552
115.0	1572.372	1546.866	1516.266	1485.774	1456.614	1428.120	1399.176	1371.096	1343.502	1318.230
117.5	1616.328	1589.472	1562.292	1532.268	1504.116	1477.368	1449.900	1422.468	1395.054	1368.000
120.0	1658.268	1631.628	1604.538	1577.448	1551.330	1524.852	1498.752	1471.968	1444.014	1417.122
122.5	1698.624	1673.460	1647.072	1621.350	1596.204	1570.482	1543.644	1516.968	1489.590	1464.120
125.0	1736.424	1711.962	1686.978	1661.526	1637.244	1612.080	1586.844	1560.870	1534.302	1509.894
127.5	1771.254	1747.548	1723.500	1699.740	1676.376	1652.706	1627.542	1602.360	1576.998	1554.210
130.0	1804.428	1782.252	1758.906	1736.586	1713.870	1691.244	1667.376	1643.202	1619.028	1597.248
132.5	1835.154	1813.950	1792.890	1771.758	1750.284	1728.126	1705.518	1682.424	1660.140	1639.476
135.0	1863.738	1843.938	1823.958	1804.554	1784.358	1764.162	1742.058	1719.792	1699.038	1679.436
137.5	1891.062	1872.288	1853.874	1835.280	1816.020	1796.364	1775.790	1755.252	1735.884	1717.866
140.0	1915.668	1899.000	1882.116	1864.404	1846.548	1827.306	1807.632	1788.462	1770.372	1753.470
142.5	1938.690	1922.940	1906.542	1890.324	1873.764	1855.674	1838.016	1820.718	1804.086	1788.426
145.0	1958.526	1944.450	1930.104	1915.308	1898.568	1881.936	1865.574	1849.356	1834.344	1820.070
147.5	1975.770	1962.720	1950.030	1935.324	1920.708	1906.236	1891.350	1876.986	1864.026	1850.292
150.0	1991.394	1980.306	1967.598	1954.188	1940.778	1927.404	1913.292	1900.782	1888.632	1876.140
152.5	2003.598	1993.086	1981.350	1969.650	1958.310	1945.818	1934.100	1923.120	1912.356	1900.962
155.0	2013.552	2004.156	1993.626	1983.258	1972.044	1961.352	1951.092	1941.282	1931.274	1920.690
157.5	2019.006	2010.654	2002.302	1992.618	1983.222	1974.510	1966.014	1957.626	1948.392	1939.122
160.0	2023.632	2015.784	2007.504	1999.674	1991.772	1984.338	1976.958	1969.092	1960.866	1953.180
162.5	2022.174	2015.694	2009.484	2003.580	1997.658	1991.718	1985.364	1978.524	1971.684	1968.336
165.0	2020.752	2015.550	2010.528	2005.470	2000.394	1994.832	1988.946	1983.078	1978.056	1978.020
167.5	2015.910	2012.328	2008.674	2004.750	2000.304	1995.804	1991.250	1986.894	1987.074	1986.840
170.0	2009.970	2006.622	2003.220	1999.764	1996.236	1992.654	1990.332	1990.386	1990.026	1990.242
172.5	1998.918	1996.776	1994.580	1992.276	1991.394	1991.466	1991.610	1992.078	1992.168	1992.420
175.0	1991.340	1991.466	1990.764	1990.764	1990.764	1990.782	1990.836	1990.890	1990.944	1991.034
177.5	1994.904	1995.012	1995.156	1995.192	1995.174	1995.228	1995.282	1995.354	1995.408	1995.480
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	175.0	177.5	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1995.552	1995.606	1995.696	1995.624	1995.552	1995.480	1995.426	1995.354	1995.300	1995.228
5.0	1991.142	1991.250	1991.394	1991.268	1991.142	1991.052	1990.962	1990.890	1990.836	1990.800
7.5	1992.672	1992.888	1993.104	1992.906	1992.672	1992.438	1992.186	1992.078	1991.610	1991.520
10.0	1990.458	1990.710	1990.962	1990.710	1990.476	1990.242	1990.044	1990.458	1990.332	1992.582
12.5	1987.326	1987.218	1987.524	1987.218	1987.326	1986.858	1987.146	1986.876	1991.178	1995.732
15.0	1977.930	1978.200	1978.560	1978.218	1977.930	1978.038	1978.038	1982.988	1988.874	1994.742
17.5	1968.354	1968.696	1969.164	1968.714	1968.372	1968.390	1971.612	1978.434	1985.292	1991.646
20.0	1952.964	1953.234	1953.684	1953.252	1952.964	1953.162	1960.794	1969.002	1976.886	1984.266
22.5	1936.116	1936.638	1937.196	1936.638	1936.116	1939.050	1948.302	1957.554	1965.960	1974.438
25.0	1914.210	1914.390	1914.858	1914.408	1914.210	1920.618	1931.202	1941.210	1951.020	1961.352
27.5	1890.720	1890.828	1891.296	1890.828	1890.720	1900.890	1912.284	1923.048	1934.028	1945.728
30.0	1864.044	1862.874	1863.342	1862.874	1863.936	1876.068	1888.560	1900.710	1913.202	1927.314
32.5	1836.774	1833.336	1833.768	1833.336	1836.756	1850.202	1863.972	1876.914	1891.260	1906.164
35.0	1804.896	1799.766	1800.198	1799.766	1804.824	1819.998	1834.272	1849.284	1865.484	1881.846
37.5	1772.298	1764.774	1765.224	1764.774	1772.226	1788.354	1804.014	1820.700	1837.944	1855.584
40.0	1736.478	1726.596	1727.100	1726.596	1736.406	1753.398	1770.300	1788.390	1807.542	1827.216
42.5	1699.758	1687.410	1687.896	1687.410	1699.686	1717.794	1735.812	1755.162	1775.700	1796.274
45.0	1660.572	1645.776	1646.298	1645.776	1660.500	1679.364	1698.966	1719.720	1741.986	1764.090

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CANDELA TABULATION - (Cont.)

47.5	1619.460	1602.504	1603.404	1602.504	1619.388	1639.404	1660.068	1682.352	1705.446	1728.108
50.0	1576.008	1557.846	1557.252	1557.792	1575.954	1597.176	1618.974	1643.130	1667.304	1691.172
52.5	1531.962	1512.846	1510.704	1512.792	1531.908	1554.138	1576.944	1602.288	1627.470	1652.652
55.0	1486.350	1466.406	1462.788	1466.370	1486.278	1509.840	1534.284	1560.780	1586.790	1612.008
57.5	1439.586	1418.814	1413.738	1418.760	1439.532	1464.066	1489.536	1516.914	1543.572	1570.428
60.0	1391.526	1369.800	1363.104	1369.746	1391.472	1417.068	1443.942	1471.914	1498.698	1524.798
62.5	1341.594	1319.256	1310.850	1319.220	1341.540	1367.946	1395.036	1422.414	1449.846	1477.296
65.0	1291.122	1268.136	1257.930	1268.100	1291.086	1318.176	1343.448	1371.060	1399.176	1428.048
67.5	1240.686	1217.754	1206.018	1217.736	1240.650	1266.516	1292.274	1322.046	1350.936	1380.222
70.0	1189.386	1167.246	1153.872	1167.210	1189.350	1215.000	1242.648	1272.978	1303.542	1334.466
72.5	1135.638	1114.974	1100.664	1114.956	1135.602	1163.322	1193.742	1225.890	1256.004	1287.630
75.0	1082.844	1061.658	1047.114	1061.640	1082.808	1113.282	1143.666	1176.642	1206.702	1237.590
77.5	1030.860	1006.704	992.088	1006.686	1030.842	1063.206	1093.752	1125.342	1155.780	1187.460
80.0	980.370	953.352	937.620	953.334	980.352	1011.492	1042.110	1074.636	1104.768	1136.808
82.5	930.888	903.600	883.908	903.582	930.888	963.504	993.042	1025.712	1055.844	1086.966
85.0	880.110	854.694	831.204	854.694	880.092	912.546	942.966	974.970	1005.840	1036.206
87.5	836.460	810.414	784.656	810.414	836.442	867.078	896.508	928.854	960.624	990.936
90.0	835.326	803.484	805.122	803.448	835.182	867.888	903.150	936.450	970.704	1004.850
92.5	836.460	810.414	784.656	810.414	836.442	867.078	896.508	928.854	960.624	990.936
95.0	880.110	854.694	831.204	854.694	880.092	912.546	942.966	974.970	1005.840	1036.206
97.5	930.888	903.600	883.908	903.582	930.888	963.504	993.042	1025.712	1055.844	1086.966
100.0	980.370	953.352	937.620	953.334	980.352	1011.492	1042.110	1074.636	1104.768	1136.808
102.5	1030.860	1006.704	992.088	1006.686	1030.842	1063.206	1093.752	1125.342	1155.780	1187.460
105.0	1082.844	1061.658	1047.114	1061.640	1082.808	1113.282	1143.666	1176.642	1206.702	1237.590
107.5	1135.638	1114.974	1100.664	1114.956	1135.602	1163.322	1193.742	1225.890	1256.004	1287.630
110.0	1189.386	1167.246	1153.872	1167.210	1189.350	1215.000	1242.648	1272.978	1303.542	1334.466
112.5	1240.686	1217.754	1206.018	1217.736	1240.650	1266.516	1292.274	1322.046	1350.936	1380.222
115.0	1291.122	1268.136	1257.930	1268.100	1291.086	1318.176	1343.448	1371.060	1399.176	1428.048
117.5	1341.594	1319.256	1310.850	1319.220	1341.540	1367.946	1395.036	1422.414	1449.846	1477.296
120.0	1391.526	1369.800	1363.104	1369.746	1391.472	1417.068	1443.942	1471.914	1498.698	1524.798
122.5	1439.586	1418.814	1413.738	1418.760	1439.532	1464.066	1489.536	1516.914	1543.572	1570.428
125.0	1486.350	1466.406	1462.788	1466.370	1486.278	1509.840	1534.284	1560.780	1586.790	1612.008
127.5	1531.962	1512.846	1510.704	1512.792	1531.908	1554.138	1576.944	1602.288	1627.470	1652.652
130.0	1576.008	1557.846	1557.252	1557.792	1575.954	1597.176	1618.974	1643.130	1667.304	1691.172
132.5	1619.460	1602.504	1603.404	1602.504	1619.388	1639.404	1660.068	1682.352	1705.446	1728.108
135.0	1660.572	1645.776	1646.298	1645.776	1660.500	1679.364	1698.966	1719.720	1741.986	1764.090
137.5	1699.758	1687.410	1687.896	1687.410	1699.686	1717.794	1735.812	1755.162	1775.700	1796.274
140.0	1736.478	1726.596	1727.100	1726.596	1736.406	1753.398	1770.300	1788.390	1807.542	1827.216
142.5	1772.298	1764.774	1765.224	1764.774	1772.226	1788.354	1804.014	1820.700	1837.944	1855.584
145.0	1804.896	1799.766	1800.198	1799.766	1804.824	1819.998	1834.272	1849.284	1865.484	1881.846
147.5	1836.774	1833.336	1833.768	1833.336	1836.756	1850.202	1863.972	1876.914	1891.260	1906.164
150.0	1864.044	1862.874	1863.342	1862.874	1863.936	1876.068	1888.560	1900.710	1913.202	1927.314
152.5	1890.720	1890.828	1891.296	1890.828	1890.720	1900.890	1912.284	1923.048	1934.028	1945.728
155.0	1914.210	1914.390	1914.858	1914.408	1914.210	1920.618	1931.202	1941.210	1951.020	1961.352
157.5	1936.116	1936.638	1937.196	1936.638	1936.116	1939.050	1948.302	1957.554	1965.960	1974.438
160.0	1952.964	1953.234	1953.684	1953.252	1952.964	1953.162	1960.794	1969.002	1976.886	1984.266
162.5	1968.354	1968.696	1969.164	1968.714	1968.372	1968.390	1971.612	1978.434	1985.292	1991.646
165.0	1977.930	1978.200	1978.560	1978.218	1977.930	1978.038	1978.038	1983.006	1988.874	1994.742
167.5	1987.326	1987.218	1987.524	1987.218	1987.326	1986.858	1987.146	1986.876	1991.178	1995.732
170.0	1990.458	1990.710	1990.962	1990.710	1990.476	1990.242	1990.044	1990.458	1990.332	1992.582
172.5	1992.672	1992.888	1993.104	1992.906	1992.672	1992.438	1992.186	1992.078	1991.610	1991.520
175.0	1991.142	1991.250	1991.394	1991.268	1991.142	1991.052	1990.962	1990.890	1990.836	1990.800
177.5	1995.552	1995.606	1995.696	1995.624	1995.552	1995.480	1995.426	1995.354	1995.300	1995.228
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>200.0</u>	<u>202.5</u>	<u>205.0</u>	<u>207.5</u>	<u>210.0</u>	<u>212.5</u>	<u>215.0</u>	<u>217.5</u>	<u>220.0</u>	<u>222.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1995.174	1995.210	1995.174	1995.030	1994.904	1994.796	1994.688	1994.562	1994.436	1994.310
5.0	1990.764	1990.764	1990.764	1991.466	1991.322	1991.736	1993.428	1994.454	1996.128	1997.748
7.5	1991.394	1992.960	1994.508	1996.722	1998.846	2000.880	2002.824	2004.678	2006.424	2008.206
10.0	1996.164	1999.692	2003.148	2006.550	2009.898	2012.598	2015.280	2017.890	2020.338	2022.408
12.5	2000.232	2004.678	2008.602	2012.274	2015.856	2019.654	2022.876	2026.368	2029.896	2033.316
15.0	2000.322	2005.398	2010.456	2015.496	2020.770	2025.900	2030.886	2035.296	2039.634	2043.558
17.5	1997.604	2003.526	2009.412	2015.622	2022.102	2028.492	2034.522	2040.048	2045.484	2050.812
20.0	1991.700	1999.674	2007.414	2015.712	2023.560	2030.022	2036.394	2042.640	2048.616	2054.052
22.5	1983.132	1992.528	2002.212	2010.582	2018.934	2027.250	2035.908	2042.910	2050.506	2055.978
25.0	1971.954	1983.186	1993.554	2004.102	2013.480	2022.552	2031.210	2038.788	2046.276	2053.656
27.5	1958.454	1969.578	1981.278	1993.068	2003.526	2013.732	2023.596	2033.388	2041.902	2050.200
30.0	1940.688	1954.098	1967.490	1980.234	1991.322	2002.104	2012.886	2023.686	2034.198	2044.044
32.5	1920.618	1935.234	1949.922	1962.648	1975.698	1988.802	2001.996	2012.760	2023.488	2034.162
35.0	1898.478	1915.218	1930.032	1944.360	1958.454	1972.080	1985.400	1998.702	2011.842	2024.190
37.5	1873.656	1890.252	1906.470	1922.868	1938.618	1954.188	1969.182	1983.888	1996.866	2009.538
40.0	1846.458	1864.314	1882.044	1898.928	1915.578	1932.858	1949.868	1965.672	1980.468	1994.274
42.5	1816.002	1835.208	1853.784	1872.198	1890.972	1909.494	1928.376	1944.576	1960.524	1975.680
45.0	1784.268	1804.482	1823.868	1843.866	1863.666	1883.502	1902.546	1920.582	1938.258	1954.944
47.5	1750.212	1771.686	1792.818	1813.878	1835.064	1855.836	1875.762	1894.842	1913.724	1930.248
50.0	1713.780	1736.514	1758.834	1782.180	1804.338	1825.866	1847.322	1868.094	1885.950	1903.644
52.5	1676.304	1699.668	1723.410	1747.458	1771.164	1794.636	1816.254	1837.062	1856.952	1875.780
55.0	1637.172	1661.454	1686.906	1711.872	1736.352	1759.896	1783.116	1804.572	1825.542	1846.314
57.5	1596.132	1621.296	1647.000	1673.388	1698.552	1723.230	1747.008	1770.426	1792.584	1813.734
60.0	1551.276	1577.376	1604.466	1631.574	1658.196	1683.630	1708.722	1733.238	1756.404	1778.418
62.5	1504.062	1532.196	1562.202	1589.418	1616.256	1642.086	1667.718	1693.134	1718.028	1740.636
65.0	1456.560	1485.720	1516.194	1546.812	1572.300	1598.760	1625.742	1651.734	1677.510	1700.514
67.5	1409.166	1439.838	1470.078	1499.292	1526.526	1553.850	1581.642	1608.228	1634.922	1658.844
70.0	1364.310	1395.324	1426.662	1455.894	1483.884	1510.596	1536.678	1563.804	1592.136	1617.012
72.5	1317.582	1349.748	1382.670	1413.360	1440.144	1466.208	1491.318	1518.012	1545.210	1570.698
75.0	1267.902	1300.896	1332.954	1365.930	1394.766	1420.488	1444.392	1470.726	1497.384	1522.476
77.5	1217.232	1250.298	1281.294	1314.468	1346.508	1372.770	1396.332	1422.972	1449.864	1475.586
80.0	1166.616	1199.196	1230.840	1262.358	1293.498	1319.994	1345.392	1372.122	1399.896	1426.464
82.5	1117.224	1150.704	1183.626	1212.282	1241.136	1267.830	1294.164	1320.768	1347.354	1375.128
85.0	1066.770	1100.826	1134.486	1161.540	1189.188	1215.918	1244.448	1271.034	1298.970	1328.580
87.5	1021.500	1055.718	1090.296	1116.594	1142.964	1170.486	1198.206	1226.250	1254.762	1285.092
90.0	1039.824	1075.806	1112.310	1148.544	1176.696	1204.992	1234.350	1264.878	1295.064	1324.026
92.5	1021.500	1055.718	1090.296	1116.594	1142.964	1170.486	1198.206	1226.250	1254.762	1285.092
95.0	1066.770	1100.826	1134.486	1161.540	1189.188	1215.918	1244.448	1271.034	1298.970	1328.580
97.5	1117.224	1150.704	1183.626	1212.282	1241.136	1267.830	1294.164	1320.768	1347.354	1375.128
100.0	1166.616	1199.196	1230.840	1262.358	1293.498	1319.994	1345.392	1372.122	1399.896	1426.464
102.5	1217.232	1250.298	1281.294	1314.468	1346.508	1372.770	1396.332	1422.972	1449.864	1475.586
105.0	1267.902	1300.896	1332.954	1365.930	1394.766	1420.488	1444.392	1470.726	1497.384	1522.476
107.5	1317.582	1349.748	1382.670	1413.360	1440.144	1466.208	1491.318	1518.012	1545.210	1570.698
110.0	1364.310	1395.324	1426.662	1455.894	1483.884	1510.596	1536.678	1563.804	1592.136	1617.012
112.5	1409.166	1439.838	1470.078	1499.292	1526.526	1553.850	1581.642	1608.228	1634.922	1658.844
115.0	1456.560	1485.720	1516.194	1546.812	1572.300	1598.760	1625.742	1651.734	1677.510	1700.514
117.5	1504.062	1532.196	1562.202	1589.418	1616.256	1642.086	1667.718	1693.134	1718.028	1740.636
120.0	1551.276	1577.376	1604.466	1631.574	1658.196	1683.630	1708.722	1733.238	1756.404	1778.418
122.5	1596.132	1621.296	1647.000	1673.388	1698.552	1723.230	1747.008	1770.426	1792.584	1813.734
125.0	1637.172	1661.454	1686.906	1711.872	1736.352	1759.896	1783.116	1804.572	1825.542	1846.314
127.5	1676.304	1699.668	1723.410	1747.458	1771.164	1794.636	1816.254	1837.062	1856.952	1875.780
130.0	1713.780	1736.514	1758.834	1782.180	1804.338	1825.866	1847.322	1868.094	1885.950	1903.644

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CANDELA TABULATION - (Cont.)

132.5	1750.212	1771.686	1792.818	1813.878	1835.064	1855.836	1875.762	1894.842	1913.724	1930.248
135.0	1784.268	1804.482	1823.868	1843.866	1863.666	1883.502	1902.546	1920.582	1938.258	1954.944
137.5	1816.002	1835.208	1853.784	1872.198	1890.972	1909.494	1928.376	1944.576	1960.524	1975.680
140.0	1846.458	1864.314	1882.044	1898.928	1915.578	1932.858	1949.868	1965.672	1980.468	1994.274
142.5	1873.656	1890.252	1906.470	1922.868	1938.618	1954.188	1969.182	1983.888	1996.866	2009.538
145.0	1898.478	1915.218	1930.032	1944.360	1958.454	1972.080	1985.400	1998.702	2011.842	2024.190
147.5	1920.618	1935.234	1949.922	1962.648	1975.698	1988.802	2001.996	2012.760	2023.488	2034.162
150.0	1940.688	1954.098	1967.490	1980.234	1991.322	2002.104	2012.886	2023.686	2034.198	2044.044
152.5	1958.454	1969.578	1981.278	1993.068	2003.526	2013.732	2023.596	2033.388	2041.902	2050.200
155.0	1971.954	1983.186	1993.554	2004.102	2013.480	2022.552	2031.210	2038.788	2046.276	2053.656
157.5	1983.132	1992.528	2002.212	2010.582	2018.934	2027.250	2035.908	2042.910	2050.506	2055.978
160.0	1991.700	1999.674	2007.414	2015.712	2023.560	2030.022	2036.394	2042.640	2048.616	2054.052
162.5	1997.604	2003.526	2009.412	2015.622	2022.102	2028.492	2034.522	2040.048	2045.484	2050.812
165.0	2000.322	2005.398	2010.456	2015.496	2020.770	2025.900	2030.886	2035.296	2039.634	2043.558
167.5	2000.232	2004.678	2008.602	2012.274	2015.856	2019.654	2022.876	2026.368	2029.896	2033.316
170.0	1996.164	1999.692	2003.148	2006.550	2009.898	2012.598	2015.280	2017.890	2020.338	2022.408
172.5	1991.394	1992.960	1994.508	1996.722	1998.846	2000.880	2002.824	2004.678	2006.424	2008.206
175.0	1990.764	1990.764	1990.764	1991.466	1991.322	1991.736	1993.428	1994.454	1996.128	1997.748
177.5	1995.174	1995.210	1995.174	1995.030	1994.904	1994.796	1994.688	1994.562	1994.436	1994.310
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

**Vert.
Angles**

Horizontal Angles

	<u>225.0</u>	<u>227.5</u>	<u>230.0</u>	<u>232.5</u>	<u>235.0</u>	<u>237.5</u>	<u>240.0</u>	<u>242.5</u>	<u>245.0</u>	<u>247.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1994.202	1994.076	1993.950	1993.824	1993.698	1993.572	1994.508	1993.572	1993.248	1993.212
5.0	1999.314	2000.844	2002.320	2003.742	2005.164	2006.334	2007.324	2008.350	2009.016	2009.574
7.5	2010.096	2012.094	2014.020	2015.892	2017.692	2019.420	2021.076	2022.642	2024.136	2025.558
10.0	2024.190	2025.810	2027.088	2028.510	2029.842	2031.606	2034.036	2036.340	2038.518	2040.588
12.5	2036.610	2039.760	2042.784	2045.556	2047.392	2048.562	2049.570	2050.416	2051.856	2054.178
15.0	2047.086	2050.614	2053.944	2056.950	2060.424	2062.260	2064.204	2065.266	2065.752	2066.040
17.5	2056.104	2059.956	2063.016	2066.166	2069.316	2072.052	2074.212	2076.102	2077.614	2077.920
20.0	2059.452	2064.762	2069.226	2073.420	2076.372	2079.000	2082.114	2084.076	2085.588	2087.280
22.5	2061.198	2066.292	2071.368	2076.300	2081.070	2085.516	2088.396	2090.790	2092.464	2093.958
25.0	2060.928	2068.002	2073.510	2078.532	2083.176	2087.658	2091.942	2095.290	2097.396	2098.710
27.5	2058.102	2065.212	2072.196	2079.522	2083.986	2088.630	2092.770	2096.658	2100.024	2101.050
30.0	2053.314	2061.360	2068.740	2075.724	2082.042	2087.334	2091.096	2094.768	2098.242	2101.644
32.5	2044.764	2054.808	2063.214	2069.910	2076.354	2082.618	2088.756	2092.320	2095.272	2097.630
35.0	2034.108	2043.954	2053.584	2062.872	2070.558	2076.210	2081.358	2086.326	2089.548	2091.870
37.5	2021.706	2033.478	2043.252	2052.090	2060.226	2067.714	2073.078	2078.172	2082.852	2084.886
40.0	2007.126	2019.024	2029.860	2039.814	2048.616	2056.518	2063.196	2067.066	2070.666	2074.734
42.5	1990.206	2002.860	2014.812	2024.604	2034.090	2041.560	2047.986	2054.178	2058.408	2061.936
45.0	1969.650	1983.186	1996.164	2006.802	2016.198	2025.216	2032.704	2038.716	2043.864	2046.960
47.5	1946.358	1961.370	1974.708	1987.560	1998.000	2006.982	2015.136	2021.814	2027.160	2032.416
50.0	1921.536	1936.692	1951.686	1965.060	1977.084	1987.506	1995.516	2002.878	2008.818	2012.562
52.5	1893.636	1910.538	1926.198	1940.706	1953.756	1964.556	1974.564	1981.872	1987.884	1992.456
55.0	1865.034	1882.566	1898.856	1913.634	1927.116	1939.356	1949.580	1958.436	1964.736	1970.154
57.5	1833.534	1851.930	1868.850	1883.952	1897.128	1909.584	1920.708	1929.960	1937.880	1943.676
60.0	1799.856	1817.478	1834.398	1850.004	1863.864	1876.788	1888.488	1898.388	1906.182	1912.896
62.5	1761.336	1780.704	1797.678	1814.058	1828.044	1842.444	1855.404	1867.284	1876.356	1881.738
65.0	1721.718	1741.860	1760.040	1776.168	1791.738	1806.948	1821.348	1836.036	1844.820	1849.338
67.5	1679.904	1701.216	1720.548	1737.810	1754.406	1769.364	1784.952	1799.730	1810.926	1817.154
70.0	1637.532	1659.384	1680.012	1698.552	1715.976	1733.634	1750.968	1766.340	1778.724	1786.788
72.5	1592.874	1614.690	1636.686	1657.008	1676.052	1695.456	1715.688	1734.750	1748.592	1753.794
75.0	1546.614	1569.870	1592.640	1614.240	1633.950	1655.352	1675.656	1695.222	1707.462	1715.094
77.5	1500.804	1524.582	1547.946	1570.014	1590.264	1612.062	1632.222	1649.034	1661.706	1672.236

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CANDELA TABULATION - (Cont.)

80.0	1453.284	1476.648	1499.346	1521.792	1544.040	1565.658	1585.854	1603.242	1618.668	1630.602
82.5	1403.514	1426.752	1450.674	1473.606	1497.060	1518.948	1540.422	1560.438	1579.572	1590.570
85.0	1358.100	1380.672	1402.992	1426.410	1449.990	1471.860	1493.892	1516.104	1538.514	1547.280
87.5	1316.214	1337.508	1359.972	1382.544	1405.890	1427.778	1449.828	1473.894	1497.744	1505.034
90.0	1351.890	1376.802	1400.670	1422.162	1443.276	1464.768	1486.260	1504.242	1517.850	1527.480
92.5	1316.214	1337.508	1359.972	1382.544	1405.890	1427.778	1449.828	1473.894	1497.744	1505.034
95.0	1358.100	1380.672	1402.992	1426.410	1449.990	1471.860	1493.892	1516.104	1538.514	1547.280
97.5	1403.514	1426.752	1450.674	1473.606	1497.060	1518.948	1540.422	1560.438	1579.572	1590.570
100.0	1453.284	1476.648	1499.346	1521.792	1544.040	1565.658	1585.854	1603.242	1618.668	1630.602
102.5	1500.804	1524.582	1547.946	1570.014	1590.264	1612.062	1632.222	1649.034	1661.706	1672.236
105.0	1546.614	1569.870	1592.640	1614.240	1633.950	1655.352	1675.656	1695.222	1707.462	1715.094
107.5	1592.874	1614.690	1636.686	1657.008	1676.052	1695.456	1715.688	1734.750	1748.592	1753.794
110.0	1637.532	1659.384	1680.012	1698.552	1715.976	1733.634	1750.968	1766.340	1778.724	1786.788
112.5	1679.904	1701.216	1720.548	1737.810	1754.406	1769.364	1784.952	1799.730	1810.926	1817.154
115.0	1721.718	1741.860	1760.040	1776.168	1791.738	1806.948	1821.348	1836.036	1844.820	1849.338
117.5	1761.336	1780.704	1797.678	1814.058	1828.044	1842.444	1855.404	1867.284	1876.356	1881.738
120.0	1799.856	1817.478	1834.398	1850.004	1863.864	1876.788	1888.488	1898.388	1906.182	1912.896
122.5	1833.534	1851.930	1868.850	1883.952	1897.128	1909.584	1920.708	1929.960	1937.880	1943.676
125.0	1865.034	1882.566	1898.856	1913.634	1927.116	1939.356	1949.580	1958.436	1964.736	1970.154
127.5	1893.636	1910.538	1926.198	1940.706	1953.756	1964.556	1974.564	1981.872	1987.884	1992.456
130.0	1921.536	1936.692	1951.686	1965.060	1977.084	1987.506	1995.516	2002.878	2008.818	2012.562
132.5	1946.358	1961.370	1974.708	1987.560	1998.000	2006.982	2015.136	2021.814	2027.160	2032.416
135.0	1969.650	1983.186	1996.164	2006.802	2016.198	2025.216	2032.704	2038.716	2043.864	2046.960
137.5	1990.206	2002.860	2014.812	2024.604	2034.090	2041.560	2047.986	2054.178	2058.408	2061.936
140.0	2007.126	2019.024	2029.860	2039.814	2048.616	2056.518	2063.196	2067.066	2070.666	2074.734
142.5	2021.706	2033.478	2043.252	2052.090	2060.226	2067.714	2073.078	2078.172	2082.852	2084.886
145.0	2034.108	2043.954	2053.584	2062.872	2070.558	2076.210	2081.358	2086.326	2089.548	2091.870
147.5	2044.764	2054.808	2063.214	2069.910	2076.354	2082.618	2088.756	2092.320	2095.272	2097.630
150.0	2053.314	2061.360	2068.740	2075.724	2082.042	2087.334	2091.096	2094.768	2098.242	2101.644
152.5	2058.102	2065.212	2072.196	2079.522	2083.986	2088.630	2092.770	2096.658	2100.024	2101.050
155.0	2060.928	2068.002	2073.510	2078.532	2083.176	2087.658	2091.942	2095.290	2097.396	2098.710
157.5	2061.198	2066.292	2071.368	2076.300	2081.070	2085.516	2088.396	2090.790	2092.464	2093.958
160.0	2059.452	2064.762	2069.226	2073.420	2076.372	2079.000	2082.114	2084.076	2085.588	2087.280
162.5	2056.104	2059.956	2063.016	2066.166	2069.316	2072.052	2074.212	2076.102	2077.614	2077.920
165.0	2047.086	2050.614	2053.944	2056.950	2060.424	2062.260	2064.204	2065.266	2065.752	2066.040
167.5	2036.610	2039.760	2042.784	2045.556	2047.392	2048.562	2049.570	2050.416	2051.856	2054.178
170.0	2024.190	2025.810	2027.088	2028.510	2029.842	2031.606	2034.036	2036.340	2038.518	2040.588
172.5	2010.096	2012.094	2014.020	2015.892	2017.692	2019.420	2021.076	2022.642	2024.136	2025.558
175.0	1999.314	2000.844	2002.320	2003.742	2005.164	2006.334	2007.324	2008.350	2009.016	2009.574
177.5	1994.202	1994.076	1993.950	1993.824	1993.698	1993.572	1994.508	1993.572	1993.248	1993.212
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

Vert. Angles **Horizontal Angles**

	<u>250.0</u>	<u>252.5</u>	<u>255.0</u>	<u>257.5</u>	<u>260.0</u>	<u>262.5</u>	<u>265.0</u>	<u>267.5</u>	<u>270.0</u>	<u>272.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1993.158	1993.104	1993.662	1992.996	1993.032	1993.050	1993.068	1993.068	1993.068	1993.068
5.0	2010.042	2010.438	2010.762	2010.996	2011.140	2011.212	2011.320	2011.446	2011.482	2011.446
7.5	2026.620	2027.574	2028.762	2028.186	2028.348	2028.402	2028.366	2028.402	2028.456	2028.402
10.0	2042.514	2044.314	2045.754	2046.744	2047.050	2047.212	2047.212	2047.104	2047.176	2047.104
12.5	2056.374	2058.426	2060.316	2062.044	2063.448	2063.214	2062.890	2062.584	2062.566	2063.214
15.0	2067.318	2069.496	2071.548	2073.438	2075.022	2075.544	2075.364	2074.986	2074.824	2074.968
17.5	2077.686	2077.794	2079.882	2081.844	2083.644	2084.778	2085.192	2084.832	2084.202	2084.814
20.0	2087.874	2087.334	2087.226	2089.404	2091.438	2093.220	2093.382	2092.824	2092.284	2092.806
22.5	2095.236	2095.434	2094.246	2094.390	2096.442	2098.296	2099.052	2098.530	2097.918	2098.512
25.0	2099.682	2100.456	2099.718	2097.810	2099.088	2100.906	2102.112	2101.302	2100.258	2101.302

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CANDELA TABULATION - (Cont.)

27.5	2101.464	2101.932	2102.130	2100.132	2099.052	2101.104	2102.742	2101.896	2101.518	2101.878
30.0	2101.860	2101.824	2101.608	2100.456	2097.324	2098.620	2100.366	2099.916	2098.800	2099.898
32.5	2099.376	2098.602	2097.954	2097.162	2093.976	2093.292	2094.912	2094.876	2093.760	2094.858
35.0	2093.958	2094.462	2093.094	2091.600	2088.990	2085.966	2087.550	2087.784	2086.668	2087.766
37.5	2085.858	2086.668	2085.138	2083.176	2080.944	2076.462	2077.488	2077.992	2076.894	2077.974
40.0	2076.156	2076.876	2076.570	2073.798	2070.882	2066.436	2065.482	2066.094	2064.978	2066.076
42.5	2064.762	2064.474	2063.754	2061.198	2057.850	2053.836	2051.100	2052.000	2050.938	2051.982
45.0	2049.606	2050.830	2049.840	2048.094	2044.242	2040.408	2035.890	2036.790	2036.034	2036.790
47.5	2033.982	2035.206	2033.910	2031.642	2027.862	2023.686	2017.872	2018.916	2018.358	2018.916
50.0	2015.892	2016.846	2017.782	2014.452	2011.050	2006.064	1999.926	1999.692	1999.530	1999.692
52.5	1995.786	1997.856	1997.658	1995.264	1991.844	1986.372	1980.432	1978.650	1978.938	1978.650
55.0	1973.952	1976.580	1976.526	1975.392	1971.378	1966.536	1960.272	1956.708	1957.356	1956.708
57.5	1948.752	1952.478	1954.566	1952.496	1948.572	1943.460	1937.196	1932.048	1933.110	1932.066
60.0	1918.296	1923.372	1925.892	1926.288	1924.398	1920.006	1913.004	1906.758	1907.802	1906.830
62.5	1885.770	1890.810	1894.464	1896.732	1895.706	1891.764	1885.662	1878.246	1879.812	1878.264
65.0	1853.928	1858.266	1860.498	1862.226	1863.000	1862.334	1858.284	1849.626	1851.192	1849.644
67.5	1821.582	1826.082	1829.034	1829.970	1829.304	1829.448	1827.612	1819.656	1820.538	1819.638
70.0	1791.288	1796.382	1798.632	1797.840	1795.806	1794.312	1794.708	1789.938	1789.326	1789.902
72.5	1759.500	1765.512	1767.042	1767.834	1764.594	1758.564	1755.864	1754.064	1754.028	1754.046
75.0	1721.268	1727.334	1732.122	1734.174	1730.538	1724.004	1717.848	1716.570	1718.370	1716.552
77.5	1680.138	1688.148	1692.828	1694.646	1693.926	1689.246	1679.688	1673.280	1675.800	1673.262
80.0	1639.062	1648.134	1652.382	1655.820	1654.308	1649.970	1642.518	1631.250	1632.942	1631.232
82.5	1598.184	1606.212	1612.008	1616.076	1614.222	1612.332	1603.962	1592.352	1588.212	1592.334
85.0	1554.282	1561.860	1569.366	1572.084	1572.048	1569.204	1561.356	1553.778	1543.662	1553.778
87.5	1511.442	1519.650	1527.642	1529.370	1530.018	1527.264	1521.738	1513.548	1502.730	1513.548
90.0	1532.286	1536.066	1537.470	1539.954	1536.534	1531.512	1522.980	1527.660	1524.528	1527.624
92.5	1511.442	1519.650	1527.642	1529.370	1530.018	1527.264	1521.738	1513.548	1502.730	1513.548
95.0	1554.282	1561.860	1569.366	1572.084	1572.048	1569.204	1561.356	1553.778	1543.662	1553.778
97.5	1598.184	1606.212	1612.008	1616.076	1614.222	1612.332	1603.962	1592.352	1588.212	1592.334
100.0	1639.062	1648.134	1652.382	1655.820	1654.308	1649.970	1642.518	1631.250	1632.942	1631.232
102.5	1680.138	1688.148	1692.828	1694.646	1693.926	1689.246	1679.688	1673.280	1675.800	1673.262
105.0	1721.268	1727.334	1732.122	1734.174	1730.538	1724.004	1717.848	1716.570	1718.370	1716.552
107.5	1759.500	1765.512	1767.042	1767.834	1764.594	1758.564	1755.864	1754.064	1754.028	1754.046
110.0	1791.288	1796.382	1798.632	1797.840	1795.806	1794.312	1794.708	1789.938	1789.326	1789.902
112.5	1821.582	1826.082	1829.034	1829.970	1829.304	1829.448	1827.612	1819.656	1820.538	1819.638
115.0	1853.928	1858.266	1860.498	1862.226	1863.000	1862.334	1858.284	1849.626	1851.192	1849.644
117.5	1885.770	1890.810	1894.464	1896.732	1895.706	1891.764	1885.662	1878.246	1879.812	1878.264
120.0	1918.296	1923.372	1925.892	1926.288	1924.398	1920.006	1913.004	1906.758	1907.802	1906.830
122.5	1948.752	1952.478	1954.566	1952.496	1948.572	1943.460	1937.196	1932.048	1933.110	1932.066
125.0	1973.952	1976.580	1976.526	1975.392	1971.378	1966.536	1960.272	1956.708	1957.356	1956.708
127.5	1995.786	1997.856	1997.658	1995.264	1991.844	1986.372	1980.432	1978.650	1978.938	1978.650
130.0	2015.892	2016.846	2017.782	2014.452	2011.050	2006.064	1999.926	1999.692	1999.530	1999.692
132.5	2033.982	2035.206	2033.910	2031.642	2027.862	2023.686	2017.872	2018.916	2018.358	2018.916
135.0	2049.606	2050.830	2049.840	2048.094	2044.242	2040.408	2035.890	2036.790	2036.034	2036.790
137.5	2064.762	2064.474	2063.754	2061.198	2057.850	2053.836	2051.100	2052.000	2050.938	2051.982
140.0	2076.156	2076.876	2076.570	2073.798	2070.882	2066.436	2065.482	2066.094	2064.978	2066.076
142.5	2085.858	2086.668	2085.138	2083.176	2080.944	2076.462	2077.488	2077.992	2076.894	2077.974
145.0	2093.958	2094.462	2093.094	2091.600	2088.990	2085.966	2087.550	2087.784	2086.668	2087.766
147.5	2099.376	2098.602	2097.954	2097.162	2093.976	2093.292	2094.912	2094.876	2093.760	2094.858
150.0	2101.860	2101.824	2101.608	2100.456	2097.324	2098.620	2100.366	2099.916	2098.800	2099.898
152.5	2101.464	2101.932	2102.130	2100.132	2099.052	2101.104	2102.742	2101.896	2101.518	2101.878
155.0	2099.682	2100.456	2099.718	2097.810	2099.088	2100.906	2102.112	2101.302	2100.258	2101.302
157.5	2095.236	2095.434	2094.246	2094.390	2096.442	2098.296	2099.052	2098.530	2097.918	2098.512
160.0	2087.874	2087.334	2087.226	2089.404	2091.438	2093.220	2093.382	2092.824	2092.284	2092.806
162.5	2077.686	2077.794	2079.882	2081.844	2083.644	2084.778	2085.192	2084.832	2084.202	2084.814
165.0	2067.318	2069.496	2071.548	2073.438	2075.022	2075.544	2075.364	2074.986	2074.824	2074.968

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CANDELA TABULATION - (Cont.)

167.5	2056.374	2058.426	2060.316	2062.044	2063.448	2063.214	2062.890	2062.584	2062.566	2063.214
170.0	2042.514	2044.314	2045.754	2046.744	2047.050	2047.212	2047.212	2047.104	2047.176	2047.104
172.5	2026.620	2027.574	2028.762	2028.186	2028.348	2028.402	2028.366	2028.402	2028.456	2028.402
175.0	2010.042	2010.438	2010.762	2010.996	2011.140	2011.212	2011.320	2011.446	2011.482	2011.446
177.5	1993.158	1993.104	1993.662	1992.996	1993.032	1993.050	1993.068	1993.068	1993.068	1993.068
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

Vert. Horizontal Angles
Angles

	<u>275.0</u>	<u>277.5</u>	<u>280.0</u>	<u>282.5</u>	<u>285.0</u>	<u>287.5</u>	<u>290.0</u>	<u>292.5</u>	<u>295.0</u>	<u>297.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1993.068	1993.050	1993.032	1992.996	1993.518	1993.086	1993.140	1993.194	1993.230	1993.554
5.0	2011.320	2011.860	2011.122	2010.978	2010.744	2010.420	2010.042	2009.556	2008.998	2008.422
7.5	2028.348	2028.384	2028.330	2028.168	2028.762	2027.556	2026.620	2025.612	2024.154	2022.660
10.0	2047.194	2047.212	2047.050	2046.726	2045.754	2044.314	2042.532	2040.606	2038.536	2036.358
12.5	2062.872	2063.196	2063.430	2062.044	2060.334	2058.444	2056.392	2054.196	2051.874	2050.362
15.0	2075.346	2075.526	2075.022	2073.456	2071.566	2069.514	2067.336	2066.004	2065.698	2065.230
17.5	2085.174	2084.796	2083.662	2081.862	2079.900	2077.812	2077.650	2077.884	2077.596	2076.084
20.0	2093.364	2093.238	2091.438	2089.422	2087.244	2087.298	2087.838	2087.280	2085.570	2084.058
22.5	2099.034	2098.314	2096.460	2094.426	2094.192	2095.398	2095.236	2093.940	2092.464	2090.736
25.0	2102.202	2100.924	2099.106	2097.774	2099.682	2100.456	2099.682	2098.710	2097.378	2095.308
27.5	2102.742	2101.122	2099.070	2100.096	2102.112	2101.932	2101.464	2101.158	2099.988	2096.676
30.0	2100.384	2098.638	2097.288	2100.420	2101.590	2101.806	2101.806	2101.842	2098.260	2094.804
32.5	2094.930	2093.310	2093.976	2097.234	2097.936	2098.602	2099.376	2097.648	2095.290	2092.338
35.0	2087.568	2085.984	2088.936	2091.582	2093.094	2094.444	2093.976	2091.888	2089.566	2086.380
37.5	2077.506	2076.426	2080.926	2083.176	2085.138	2086.686	2085.876	2084.904	2082.888	2078.208
40.0	2065.482	2066.400	2070.864	2073.780	2076.570	2076.894	2076.174	2074.752	2070.702	2067.102
42.5	2051.118	2053.800	2057.832	2061.198	2063.754	2064.492	2064.780	2061.972	2058.444	2054.232
45.0	2035.890	2040.372	2044.224	2048.076	2049.840	2050.830	2049.822	2046.996	2043.918	2038.770
47.5	2017.890	2023.650	2027.844	2031.642	2033.910	2035.224	2034.000	2032.524	2027.214	2021.868
50.0	1999.890	2006.046	2011.032	2014.452	2017.872	2016.864	2015.910	2012.598	2008.872	2002.950
52.5	1980.396	1986.354	1991.808	1995.246	1997.676	1997.874	1995.822	1992.492	1987.938	1981.926
55.0	1960.254	1966.518	1971.360	1975.374	1976.526	1976.616	1973.988	1970.190	1964.790	1958.508
57.5	1937.160	1943.442	1948.554	1952.496	1954.566	1952.496	1948.788	1943.712	1937.916	1930.158
60.0	1912.986	1919.988	1924.380	1926.288	1925.910	1923.390	1918.332	1912.932	1906.236	1898.442
62.5	1885.644	1891.746	1895.706	1896.732	1894.464	1890.828	1885.806	1881.774	1876.410	1867.338
65.0	1858.266	1862.334	1863.000	1862.226	1860.516	1858.302	1853.946	1849.374	1844.856	1836.090
67.5	1827.576	1829.430	1829.286	1829.970	1829.052	1826.118	1821.618	1817.190	1811.016	1799.748
70.0	1794.690	1794.294	1795.806	1797.858	1798.650	1796.400	1791.306	1786.788	1778.760	1766.394
72.5	1755.846	1758.546	1764.594	1767.852	1767.060	1765.512	1759.518	1753.812	1748.628	1734.804
75.0	1717.830	1724.004	1730.538	1734.174	1732.140	1727.352	1721.268	1715.112	1707.480	1695.276
77.5	1679.688	1689.228	1693.944	1694.664	1692.828	1688.166	1680.156	1672.272	1661.724	1649.070
80.0	1642.500	1649.970	1654.308	1655.820	1652.382	1648.152	1639.080	1630.620	1618.704	1603.260
82.5	1603.944	1612.332	1614.222	1616.076	1612.008	1606.230	1598.202	1590.570	1579.590	1560.474
85.0	1561.356	1569.186	1572.048	1572.084	1569.366	1561.860	1554.282	1547.280	1538.532	1516.122
87.5	1521.738	1527.264	1530.018	1529.370	1527.642	1519.650	1511.442	1505.034	1497.744	1473.912
90.0	1523.016	1531.440	1536.534	1539.954	1537.506	1536.102	1532.340	1527.552	1517.976	1504.368
92.5	1521.738	1527.264	1530.018	1529.370	1527.642	1519.650	1511.442	1505.034	1497.744	1473.912
95.0	1561.356	1569.186	1572.048	1572.084	1569.366	1561.860	1554.282	1547.280	1538.532	1516.122
97.5	1603.944	1612.332	1614.222	1616.076	1612.008	1606.230	1598.202	1590.570	1579.590	1560.474
100.0	1642.500	1649.970	1654.308	1655.820	1652.382	1648.152	1639.080	1630.620	1618.704	1603.260
102.5	1679.688	1689.228	1693.944	1694.664	1692.828	1688.166	1680.156	1672.272	1661.724	1649.070
105.0	1717.830	1724.004	1730.538	1734.174	1732.140	1727.352	1721.268	1715.112	1707.480	1695.276
107.5	1755.846	1758.546	1764.594	1767.852	1767.060	1765.512	1759.518	1753.812	1748.628	1734.804
110.0	1794.690	1794.294	1795.806	1797.858	1798.650	1796.400	1791.306	1786.788	1778.760	1766.394
112.5	1827.576	1829.430	1829.286	1829.970	1829.052	1826.118	1821.618	1817.190	1811.016	1799.748

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CANDELA TABULATION - (Cont.)

115.0	1858.266	1862.334	1863.000	1862.226	1860.516	1858.302	1853.946	1849.374	1844.856	1836.090
117.5	1885.644	1891.746	1895.706	1896.732	1894.464	1890.828	1885.806	1881.774	1876.410	1867.338
120.0	1912.986	1919.988	1924.380	1926.288	1925.910	1923.390	1918.332	1912.932	1906.236	1898.442
122.5	1937.160	1943.442	1948.554	1952.496	1954.566	1952.496	1948.788	1943.712	1937.916	1930.158
125.0	1960.254	1966.518	1971.360	1975.374	1976.526	1976.616	1973.988	1970.190	1964.790	1958.508
127.5	1980.396	1986.354	1991.808	1995.246	1997.676	1997.874	1995.822	1992.492	1987.938	1981.926
130.0	1999.890	2006.046	2011.032	2014.452	2017.872	2016.864	2015.910	2012.598	2008.872	2002.950
132.5	2017.890	2023.650	2027.844	2031.642	2033.910	2035.224	2034.000	2032.524	2027.214	2021.868
135.0	2035.890	2040.372	2044.224	2048.076	2049.840	2050.830	2049.822	2046.996	2043.918	2038.770
137.5	2051.118	2053.800	2057.832	2061.198	2063.754	2064.492	2064.780	2061.972	2058.444	2054.232
140.0	2065.482	2066.400	2070.864	2073.780	2076.570	2076.894	2076.174	2074.752	2070.702	2067.102
142.5	2077.506	2076.426	2080.926	2083.158	2085.138	2086.686	2085.876	2084.904	2082.888	2078.208
145.0	2087.568	2085.984	2088.936	2091.582	2093.094	2094.444	2093.976	2091.888	2089.566	2086.380
147.5	2094.930	2093.310	2093.976	2097.234	2097.936	2098.602	2099.376	2097.648	2095.290	2092.338
150.0	2100.384	2098.638	2097.288	2100.420	2101.590	2101.806	2101.806	2101.842	2098.260	2094.804
152.5	2102.742	2101.122	2099.070	2100.096	2102.112	2101.932	2101.464	2101.158	2099.988	2096.676
155.0	2102.202	2100.924	2099.106	2097.774	2099.682	2100.456	2099.682	2098.710	2097.378	2095.308
157.5	2099.034	2098.314	2096.460	2094.426	2094.192	2095.398	2095.236	2093.940	2092.464	2090.736
160.0	2093.364	2093.238	2091.438	2089.422	2087.244	2087.298	2087.838	2087.280	2085.570	2084.058
162.5	2085.174	2084.796	2083.662	2081.862	2079.900	2077.812	2077.650	2077.884	2077.596	2076.084
165.0	2075.346	2075.526	2075.022	2073.456	2071.566	2069.514	2067.336	2066.004	2065.698	2065.230
167.5	2062.872	2063.196	2063.430	2062.044	2060.334	2058.444	2056.392	2054.196	2051.874	2050.362
170.0	2047.194	2047.212	2047.050	2046.726	2045.754	2044.314	2042.532	2040.606	2038.536	2036.358
172.5	2028.348	2028.384	2028.330	2028.168	2028.762	2027.556	2026.620	2025.612	2024.154	2022.660
175.0	2011.320	2011.860	2011.122	2010.978	2010.744	2010.420	2010.042	2009.556	2008.998	2008.422
177.5	1993.068	1993.050	1993.032	1992.996	1993.518	1993.086	1993.140	1993.194	1993.230	1993.554
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

Vert. Horizontal Angles
Angles

	<u>300.0</u>	<u>302.5</u>	<u>305.0</u>	<u>307.5</u>	<u>310.0</u>	<u>312.5</u>	<u>315.0</u>	<u>317.5</u>	<u>320.0</u>	<u>322.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1994.490	1993.554	1993.680	1993.806	1993.932	1994.058	1994.184	1994.310	1994.436	1994.544
5.0	2007.306	2006.334	2005.164	2003.760	2002.338	2000.862	1999.332	1997.748	1996.128	1994.472
7.5	2021.076	2019.438	2017.710	2015.910	2014.038	2012.112	2010.114	2008.224	2006.388	2004.642
10.0	2034.054	2031.624	2029.806	2028.456	2027.052	2025.756	2024.154	2022.372	2020.302	2017.872
12.5	2049.534	2048.526	2047.356	2045.538	2042.766	2039.760	2036.592	2033.298	2029.878	2026.350
15.0	2064.186	2062.242	2060.406	2056.950	2053.944	2050.614	2047.086	2043.540	2039.634	2035.296
17.5	2074.212	2072.034	2069.316	2066.166	2063.016	2059.956	2056.104	2050.830	2045.502	2040.066
20.0	2082.222	2079.000	2076.372	2073.438	2069.244	2064.780	2059.470	2054.088	2048.580	2042.676
22.5	2088.396	2085.534	2081.088	2076.336	2071.404	2066.310	2061.216	2055.996	2050.794	2042.964
25.0	2091.960	2087.676	2083.212	2078.550	2073.546	2068.038	2060.982	2053.710	2046.312	2038.842
27.5	2092.806	2088.666	2084.022	2079.486	2072.250	2065.266	2058.156	2050.254	2041.974	2033.406
30.0	2091.114	2087.370	2082.078	2075.778	2068.794	2061.360	2053.386	2044.134	2034.270	2023.758
32.5	2088.990	2082.672	2076.408	2069.964	2063.286	2054.880	2044.854	2034.234	2023.560	2012.850
35.0	2081.394	2076.264	2070.612	2062.944	2053.656	2044.044	2034.180	2024.226	2011.932	1998.792
37.5	2073.132	2067.768	2060.298	2052.162	2043.324	2033.550	2021.796	2009.646	1996.956	1983.978
40.0	2063.484	2056.572	2048.688	2039.886	2029.950	2019.114	2007.234	1994.364	1980.558	1965.780
42.5	2048.040	2041.632	2034.162	2024.694	2014.902	2002.968	1990.296	1975.788	1960.632	1944.684
45.0	2032.776	2025.288	2016.270	2006.892	1996.254	1983.294	1969.740	1955.052	1938.384	1921.086
47.5	2015.190	2007.054	1998.072	1987.722	1974.816	1961.460	1946.466	1930.356	1913.832	1894.950
50.0	1995.570	1987.578	1977.174	1965.150	1951.776	1936.782	1921.608	1903.752	1886.058	1868.166
52.5	1974.582	1964.628	1953.828	1941.102	1926.306	1910.628	1893.726	1875.888	1857.060	1837.170
55.0	1949.652	1939.428	1927.206	1913.724	1898.946	1882.674	1865.142	1846.404	1825.650	1804.680
57.5	1920.780	1909.656	1897.218	1884.042	1868.940	1852.020	1833.642	1813.842	1792.692	1770.534
60.0	1888.560	1876.860	1863.936	1850.076	1834.488	1817.568	1800.000	1778.526	1756.494	1733.346

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CANDELA TABULATION - (Cont.)

62.5	1855.476	1842.498	1828.116	1814.094	1797.750	1780.794	1761.426	1740.726	1718.136	1693.224
65.0	1821.420	1806.984	1791.810	1776.240	1760.112	1741.950	1721.808	1700.586	1677.600	1651.806
67.5	1785.024	1769.436	1754.748	1737.882	1720.620	1701.288	1679.976	1658.934	1634.994	1608.300
70.0	1751.040	1733.688	1716.030	1698.624	1680.084	1659.456	1637.586	1617.084	1592.208	1563.876
72.5	1715.796	1695.510	1676.124	1657.062	1636.740	1614.762	1592.928	1570.752	1545.264	1518.084
75.0	1675.692	1655.406	1634.004	1614.258	1592.676	1569.924	1546.668	1522.530	1497.438	1470.780
77.5	1632.276	1612.098	1590.300	1570.050	1548.000	1524.618	1500.840	1475.622	1449.918	1423.008
80.0	1585.890	1565.676	1544.076	1521.828	1499.382	1476.684	1453.320	1426.500	1399.914	1372.158
82.5	1540.440	1518.966	1497.078	1473.624	1450.692	1426.788	1403.532	1375.146	1347.372	1320.804
85.0	1493.892	1471.860	1450.008	1426.428	1402.992	1380.690	1358.118	1328.598	1298.988	1271.052
87.5	1449.828	1427.778	1405.890	1382.544	1359.972	1337.508	1316.214	1285.092	1254.780	1226.250
90.0	1486.440	1464.948	1443.456	1422.324	1400.850	1376.982	1351.926	1324.206	1295.262	1265.076
92.5	1449.828	1427.778	1405.890	1382.544	1359.972	1337.508	1316.214	1285.092	1254.780	1226.250
95.0	1493.892	1471.860	1450.008	1426.428	1402.992	1380.690	1358.118	1328.598	1298.988	1271.052
97.5	1540.440	1518.966	1497.078	1473.624	1450.692	1426.788	1403.532	1375.146	1347.372	1320.804
100.0	1585.890	1565.676	1544.076	1521.828	1499.382	1476.684	1453.320	1426.500	1399.914	1372.158
102.5	1632.276	1612.098	1590.300	1570.050	1548.000	1524.618	1500.840	1475.622	1449.918	1423.008
105.0	1675.692	1655.406	1634.004	1614.258	1592.676	1569.924	1546.668	1522.530	1497.438	1470.780
107.5	1715.796	1695.510	1676.124	1657.062	1636.740	1614.762	1592.928	1570.752	1545.264	1518.084
110.0	1751.040	1733.688	1716.030	1698.624	1680.084	1659.456	1637.586	1617.084	1592.208	1563.876
112.5	1785.024	1769.436	1754.748	1737.882	1720.620	1701.288	1679.976	1658.934	1634.994	1608.300
115.0	1821.420	1806.984	1791.810	1776.240	1760.112	1741.950	1721.808	1700.586	1677.600	1651.806
117.5	1855.476	1842.498	1828.116	1814.094	1797.750	1780.794	1761.426	1740.726	1718.136	1693.224
120.0	1888.560	1876.860	1863.936	1850.076	1834.488	1817.568	1800.000	1778.526	1756.494	1733.346
122.5	1920.780	1909.656	1897.218	1884.042	1868.940	1852.020	1833.642	1813.842	1792.692	1770.534
125.0	1949.652	1939.428	1927.206	1913.724	1898.946	1882.674	1865.142	1846.404	1825.650	1804.680
127.5	1974.582	1964.628	1953.828	1941.102	1926.306	1910.628	1893.726	1875.888	1857.060	1837.170
130.0	1995.570	1987.578	1977.174	1965.150	1951.776	1936.782	1921.608	1903.752	1886.058	1868.166
132.5	2015.190	2007.054	1998.072	1987.722	1974.816	1961.460	1946.466	1930.356	1913.832	1894.950
135.0	2032.776	2025.288	2016.270	2006.892	1996.254	1983.294	1969.740	1955.052	1938.384	1921.086
137.5	2048.040	2041.632	2034.162	2024.694	2014.902	2002.968	1990.296	1975.788	1960.632	1944.684
140.0	2063.484	2056.572	2048.688	2039.886	2029.950	2019.114	2007.234	1994.364	1980.558	1965.780
142.5	2073.132	2067.768	2060.298	2052.162	2043.324	2033.550	2021.796	2009.646	1996.956	1983.978
145.0	2081.394	2076.264	2070.612	2062.944	2053.656	2044.044	2034.180	2024.226	2011.932	1998.792
147.5	2088.990	2082.672	2076.408	2069.964	2063.286	2054.880	2044.854	2034.234	2023.560	2012.850
150.0	2091.114	2087.352	2082.078	2075.778	2068.794	2061.360	2053.386	2044.134	2034.270	2023.758
152.5	2092.806	2088.666	2084.022	2079.486	2072.250	2065.266	2058.156	2050.254	2041.974	2033.406
155.0	2091.960	2087.676	2083.212	2078.550	2073.546	2068.038	2060.982	2053.710	2046.312	2038.842
157.5	2088.396	2085.534	2081.088	2076.336	2071.404	2066.310	2061.216	2055.996	2050.794	2042.964
160.0	2082.222	2079.000	2076.372	2073.438	2069.244	2064.780	2059.470	2054.088	2048.580	2042.676
162.5	2074.212	2072.034	2069.316	2066.166	2063.016	2059.956	2056.104	2050.830	2045.502	2040.066
165.0	2064.186	2062.242	2060.406	2056.950	2053.944	2050.614	2047.086	2043.540	2039.634	2035.296
167.5	2049.534	2048.526	2047.356	2045.538	2042.766	2039.760	2036.592	2033.298	2029.878	2026.350
170.0	2034.054	2031.624	2029.806	2028.456	2027.052	2025.756	2024.154	2022.372	2020.302	2017.872
172.5	2021.076	2019.438	2017.710	2015.910	2014.038	2012.112	2010.114	2008.224	2006.388	2004.642
175.0	2007.306	2006.334	2005.164	2003.760	2002.338	2000.862	1999.332	1997.748	1996.128	1994.472
177.5	1994.490	1993.554	1993.680	1993.806	1993.932	1994.058	1994.184	1994.310	1994.436	1994.544
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

Vert. Angles **Horizontal Angles**

	<u>325.0</u>	<u>327.5</u>	<u>330.0</u>	<u>332.5</u>	<u>335.0</u>	<u>337.5</u>	<u>340.0</u>	<u>342.5</u>	<u>345.0</u>	<u>347.5</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1994.670	1994.778	1994.904	1995.012	1995.156	1995.282	1995.174	1995.228	1995.300	1995.354
5.0	1993.446	1991.754	1991.340	1991.610	1990.782	1990.782	1990.782	1990.800	1990.854	1990.908
7.5	2002.788	2000.844	1998.792	1996.668	1994.454	1992.924	1991.340	1991.466	1991.574	1992.024

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CANDELA TABULATION - (Cont.)

10.0	2015.262	2012.580	2009.880	2006.532	2003.130	1999.674	1996.146	1992.564	1990.440	1990.440
12.5	2022.876	2019.582	2015.838	2012.256	2008.602	2004.678	2000.232	1995.714	1991.160	1986.876
15.0	2030.850	2025.900	2020.770	2015.514	2010.474	2005.416	2000.340	1994.760	1988.874	1983.006
17.5	2034.540	2028.510	2022.120	2015.640	2009.430	2003.544	1997.604	1991.664	1985.292	1978.452
20.0	2036.412	2030.040	2023.578	2015.748	2007.450	1999.692	1991.736	1984.302	1976.922	1969.038
22.5	2035.926	2027.304	2018.970	2010.618	2002.356	1992.582	1983.168	1974.474	1965.996	1957.590
25.0	2031.264	2022.624	2013.534	2004.120	1993.626	1983.258	1972.026	1961.406	1951.074	1941.264
27.5	2023.686	2013.822	2003.598	1993.122	1981.296	1969.650	1958.526	1945.800	1934.100	1923.120
30.0	2012.958	2002.176	1991.394	1980.306	1967.580	1954.188	1940.778	1927.404	1913.292	1900.782
32.5	2002.086	1988.892	1975.788	1962.756	1950.012	1935.324	1920.708	1906.254	1891.350	1877.004
35.0	1985.508	1972.188	1958.544	1944.468	1930.140	1915.308	1898.586	1881.954	1865.592	1849.338
37.5	1969.614	1954.296	1938.726	1922.976	1906.560	1890.360	1873.764	1855.692	1838.034	1820.736
40.0	1949.976	1932.984	1915.704	1899.036	1882.152	1864.422	1846.566	1827.324	1807.650	1788.480
42.5	1928.430	1909.620	1891.098	1872.378	1853.910	1835.316	1816.092	1796.382	1775.790	1755.270
45.0	1902.672	1883.610	1863.792	1843.974	1823.994	1804.590	1784.376	1764.144	1742.058	1719.810
47.5	1875.870	1855.962	1835.190	1813.986	1792.926	1771.776	1750.302	1728.180	1705.554	1682.442
50.0	1847.448	1825.992	1804.464	1782.270	1758.942	1736.622	1713.888	1691.262	1667.394	1643.220
52.5	1816.362	1794.744	1771.290	1747.566	1723.518	1699.776	1676.412	1652.706	1627.560	1602.378
55.0	1783.224	1760.004	1736.460	1711.980	1687.032	1661.544	1637.262	1612.098	1586.844	1560.888
57.5	1747.116	1723.320	1698.642	1673.496	1647.090	1621.386	1596.222	1570.518	1543.662	1516.986
60.0	1708.830	1683.720	1658.304	1631.664	1604.556	1577.466	1551.348	1524.870	1498.770	1471.986
62.5	1667.826	1642.176	1616.346	1589.508	1562.310	1532.286	1504.134	1477.368	1449.918	1422.468
65.0	1625.832	1598.850	1572.390	1546.884	1516.284	1485.792	1456.614	1428.120	1399.212	1371.114
67.5	1581.714	1553.922	1526.598	1499.364	1470.150	1439.892	1409.238	1380.276	1350.990	1322.100
70.0	1536.750	1510.668	1483.938	1455.948	1426.716	1395.378	1364.328	1334.502	1303.596	1273.032
72.5	1491.372	1466.262	1440.198	1413.414	1382.724	1349.802	1317.636	1287.666	1256.040	1225.926
75.0	1444.446	1420.542	1394.802	1365.966	1333.008	1300.950	1267.938	1237.626	1206.720	1176.660
77.5	1396.368	1372.806	1346.544	1314.504	1281.330	1250.334	1217.268	1187.478	1155.816	1125.360
80.0	1345.428	1320.030	1293.534	1262.394	1230.876	1199.214	1166.634	1136.844	1104.786	1074.654
82.5	1294.182	1267.848	1241.154	1212.300	1183.626	1150.722	1117.242	1086.984	1055.862	1025.730
85.0	1244.466	1215.918	1189.206	1161.558	1134.486	1100.844	1066.788	1036.224	1005.840	974.970
87.5	1198.206	1170.486	1142.964	1116.612	1090.314	1055.718	1021.500	990.936	960.624	928.854
90.0	1234.512	1205.154	1176.840	1148.688	1112.454	1075.950	1039.950	1004.940	970.794	936.540
92.5	1198.206	1170.486	1142.964	1116.612	1090.314	1055.718	1021.500	990.936	960.624	928.854
95.0	1244.466	1215.918	1189.206	1161.558	1134.486	1100.844	1066.788	1036.224	1005.840	974.970
97.5	1294.182	1267.848	1241.154	1212.300	1183.626	1150.722	1117.242	1086.984	1055.862	1025.730
100.0	1345.428	1320.030	1293.534	1262.394	1230.876	1199.214	1166.634	1136.844	1104.786	1074.654
102.5	1396.368	1372.806	1346.544	1314.504	1281.330	1250.334	1217.268	1187.478	1155.816	1125.360
105.0	1444.446	1420.542	1394.802	1365.966	1333.008	1300.950	1267.938	1237.626	1206.720	1176.660
107.5	1491.372	1466.262	1440.198	1413.414	1382.724	1349.802	1317.636	1287.666	1256.040	1225.926
110.0	1536.750	1510.668	1483.938	1455.948	1426.716	1395.378	1364.328	1334.502	1303.596	1273.032
112.5	1581.714	1553.922	1526.598	1499.364	1470.150	1439.892	1409.238	1380.276	1350.990	1322.100
115.0	1625.832	1598.850	1572.390	1546.884	1516.284	1485.792	1456.614	1428.120	1399.212	1371.114
117.5	1667.826	1642.176	1616.346	1589.508	1562.310	1532.286	1504.134	1477.368	1449.918	1422.468
120.0	1708.830	1683.720	1658.304	1631.664	1604.556	1577.466	1551.348	1524.870	1498.770	1471.986
122.5	1747.116	1723.320	1698.642	1673.496	1647.090	1621.386	1596.222	1570.518	1543.662	1516.986
125.0	1783.224	1760.004	1736.460	1711.980	1687.032	1661.544	1637.262	1612.098	1586.844	1560.888
127.5	1816.362	1794.744	1771.290	1747.566	1723.518	1699.776	1676.412	1652.706	1627.560	1602.378
130.0	1847.448	1825.992	1804.464	1782.270	1758.942	1736.622	1713.888	1691.262	1667.394	1643.220
132.5	1875.870	1855.962	1835.190	1813.986	1792.926	1771.776	1750.302	1728.180	1705.554	1682.442
135.0	1902.672	1883.610	1863.792	1843.974	1823.994	1804.590	1784.376	1764.144	1742.058	1719.810
137.5	1928.430	1909.620	1891.098	1872.378	1853.910	1835.316	1816.092	1796.382	1775.790	1755.270
140.0	1949.976	1932.984	1915.704	1899.036	1882.152	1864.422	1846.566	1827.324	1807.650	1788.480
142.5	1969.614	1954.296	1938.726	1922.976	1906.560	1890.360	1873.764	1855.692	1838.034	1820.736
145.0	1985.508	1972.188	1958.544	1944.468	1930.140	1915.308	1898.586	1881.954	1865.592	1849.338
147.5	2002.086	1988.892	1975.788	1962.756	1950.012	1935.324	1920.708	1906.254	1891.350	1877.004

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CANDELA TABULATION - (Cont.)

150.0	2012.958	2002.176	1991.394	1980.306	1967.580	1954.188	1940.778	1927.404	1913.292	1900.782
152.5	2023.686	2013.822	2003.598	1993.122	1981.296	1969.650	1958.526	1945.800	1934.100	1923.120
155.0	2031.264	2022.606	2013.534	2004.120	1993.626	1983.258	1972.026	1961.406	1951.074	1941.264
157.5	2035.926	2027.304	2018.970	2010.618	2002.356	1992.582	1983.168	1974.474	1965.996	1957.590
160.0	2036.412	2030.040	2023.578	2015.748	2007.450	1999.692	1991.736	1984.302	1976.922	1969.038
162.5	2034.540	2028.510	2022.120	2015.640	2009.430	2003.544	1997.604	1991.664	1985.292	1978.452
165.0	2030.850	2025.900	2020.770	2015.514	2010.474	2005.416	2000.340	1994.760	1988.874	1983.006
167.5	2022.876	2019.582	2015.838	2012.256	2008.602	2004.678	2000.232	1995.714	1991.160	1986.876
170.0	2015.262	2012.580	2009.880	2006.532	2003.130	1999.674	1996.146	1992.564	1990.440	1990.440
172.5	2002.788	2000.844	1998.792	1996.668	1994.454	1992.924	1991.340	1991.466	1991.574	1992.024
175.0	1993.446	1991.754	1991.340	1991.610	1990.782	1990.782	1990.782	1990.800	1990.854	1990.908
177.5	1994.670	1994.778	1994.904	1995.012	1995.156	1995.282	1995.174	1995.228	1995.300	1995.354
180.0	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472	1994.472

Vert. Horizontal Angles

	<u>350.0</u>	<u>352.5</u>	<u>355.0</u>	<u>357.5</u>	<u>360.0</u>
0.0	1994.472	1994.472	1994.472	1994.472	1994.472
2.5	1995.426	1995.480	1995.552	1995.624	1995.678
5.0	1990.962	1991.052	1991.160	1991.268	1991.394
7.5	1992.150	1992.402	1992.636	1992.852	1993.068
10.0	1990.026	1990.242	1990.458	1990.692	1990.944
12.5	1987.128	1986.804	1987.290	1987.218	1987.524
15.0	1978.038	1978.146	1977.930	1978.218	1978.560
17.5	1971.612	1968.408	1968.372	1968.714	1969.128
20.0	1960.830	1953.198	1952.982	1953.270	1953.702
22.5	1948.338	1939.086	1936.134	1936.638	1937.178
25.0	1931.256	1920.618	1914.246	1914.444	1914.912
27.5	1912.356	1900.908	1890.792	1890.882	1891.350
30.0	1888.632	1876.140	1864.008	1862.946	1863.396
32.5	1864.008	1850.292	1836.828	1833.408	1833.822
35.0	1834.362	1820.088	1804.896	1799.838	1800.270
37.5	1804.104	1788.444	1772.316	1764.846	1765.296
40.0	1770.390	1753.488	1736.496	1726.686	1727.172
42.5	1735.902	1717.920	1699.758	1687.482	1687.968
45.0	1699.056	1679.454	1660.572	1645.848	1646.370
47.5	1660.158	1639.494	1619.460	1602.558	1603.512
50.0	1619.046	1597.248	1576.026	1557.864	1557.306
52.5	1577.016	1554.210	1531.944	1512.864	1510.758
55.0	1534.338	1509.912	1486.350	1466.424	1462.842
57.5	1489.608	1464.120	1439.604	1418.814	1413.774
60.0	1444.032	1417.140	1391.526	1369.800	1363.158
62.5	1395.090	1368.000	1341.594	1319.256	1310.904
65.0	1343.502	1318.248	1291.122	1268.136	1257.966
67.5	1292.310	1266.552	1240.686	1217.754	1206.054
70.0	1242.666	1215.036	1189.386	1167.246	1153.890
72.5	1193.778	1163.340	1135.638	1114.974	1100.682
75.0	1143.684	1113.282	1082.826	1061.658	1047.114
77.5	1093.788	1063.224	1030.860	1006.704	992.106
80.0	1042.128	1011.510	980.370	953.352	937.620
82.5	993.060	963.522	930.888	903.582	883.908
85.0	942.966	912.546	880.092	854.694	831.204
87.5	896.508	867.078	836.442	810.414	784.656
90.0	903.222	867.942	835.218	803.484	805.122
92.5	896.508	867.078	836.442	810.414	784.656
95.0	942.966	912.546	880.092	854.694	831.204

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

97.5	993.060	963.522	930.888	903.582	883.908
100.0	1042.128	1011.510	980.370	953.352	937.620
102.5	1093.788	1063.224	1030.860	1006.704	992.106
105.0	1143.684	1113.282	1082.826	1061.658	1047.114
107.5	1193.778	1163.340	1135.638	1114.974	1100.682
110.0	1242.666	1215.036	1189.386	1167.246	1153.890
112.5	1292.310	1266.552	1240.686	1217.754	1206.054
115.0	1343.502	1318.248	1291.122	1268.136	1257.966
117.5	1395.090	1368.000	1341.594	1319.256	1310.904
120.0	1444.032	1417.140	1391.526	1369.800	1363.158
122.5	1489.608	1464.120	1439.604	1418.814	1413.774
125.0	1534.338	1509.912	1486.350	1466.424	1462.842
127.5	1577.016	1554.210	1531.944	1512.864	1510.758
130.0	1619.046	1597.248	1576.026	1557.864	1557.306
132.5	1660.158	1639.494	1619.460	1602.558	1603.512
135.0	1699.056	1679.454	1660.572	1645.848	1646.370
137.5	1735.902	1717.920	1699.758	1687.482	1687.968
140.0	1770.390	1753.488	1736.496	1726.686	1727.172
142.5	1804.104	1788.444	1772.316	1764.846	1765.296
145.0	1834.362	1820.088	1804.896	1799.838	1800.270
147.5	1864.008	1850.292	1836.828	1833.408	1833.822
150.0	1888.632	1876.140	1864.008	1862.946	1863.396
152.5	1912.356	1900.908	1890.792	1890.882	1891.350
155.0	1931.256	1920.618	1914.246	1914.444	1914.912
157.5	1948.338	1939.086	1936.134	1936.638	1937.178
160.0	1960.830	1953.198	1952.982	1953.270	1953.702
162.5	1971.612	1968.408	1968.372	1968.714	1969.128
165.0	1978.038	1978.146	1977.930	1978.218	1978.560
167.5	1987.128	1986.804	1987.290	1987.218	1987.524
170.0	1990.026	1990.242	1990.458	1990.692	1990.944
172.5	1992.150	1992.402	1992.636	1992.852	1993.068
175.0	1990.962	1991.052	1991.160	1991.268	1991.394
177.5	1995.426	1995.480	1995.552	1995.624	1995.678
180.0	1994.472	1994.472	1994.472	1994.472	1994.472

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	768.64	N.A.	3.60
0-30	1710.39	N.A.	8.00
0-40	2962.4	N.A.	13.80
0-60	6060.07	N.A.	28.30
0-80	9276.38	N.A.	43.30
0-90	10708.54	N.A.	50.00
10-90	10516.92	N.A.	49.10
20-40	2193.76	N.A.	10.20
20-50	3675.66	N.A.	17.20
40-70	4740.11	N.A.	22.10
60-80	3216.31	N.A.	15.00
70-80	1573.87	N.A.	7.30
80-90	1432.17	N.A.	6.70
90-110	3006.03	N.A.	14.00
90-120	4648.47	N.A.	21.70
90-130	6264.25	N.A.	29.20
90-150	8998.15	N.A.	42.00
90-180	10708.54	N.A.	50.00
110-180	7702.51	N.A.	36.00
0-180	21417.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	191.62
10-20	577.02
20-30	941.75
30-40	1252.01
40-50	1481.9
50-60	1615.78
60-70	1642.44
70-80	1573.87
80-90	1432.16
90-100	1432.16
100-110	1573.87
110-120	1642.44
120-130	1615.78
130-140	1481.9
140-150	1252.01
150-160	941.75
160-170	577.02
170-180	191.62

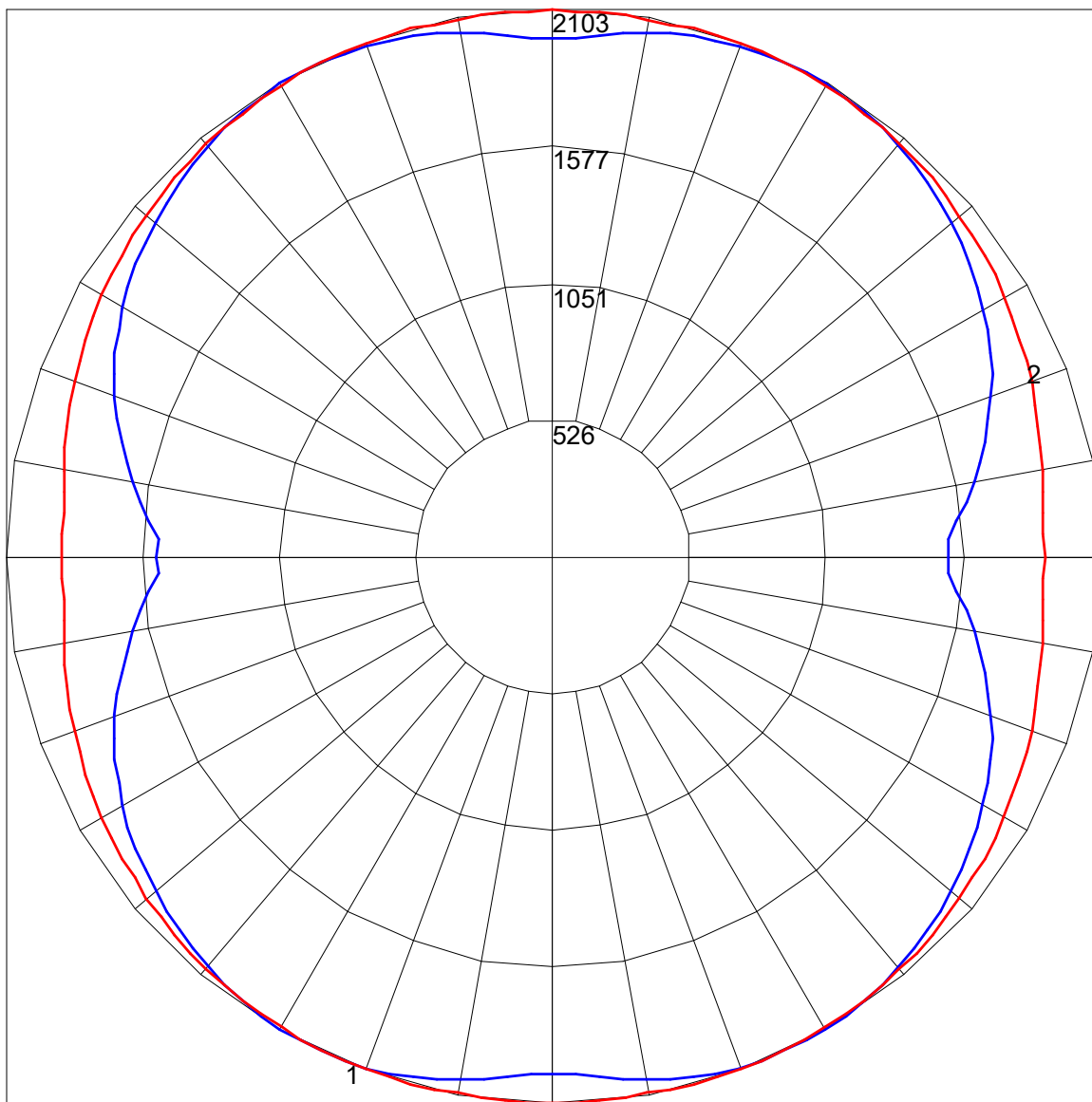
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	95	89	84	79	87	82	77	73	68	65	62	56	53	51	44	43	41	35
2	85	76	68	62	77	70	63	57	58	53	49	47	43	40	37	35	32	27
3	77	66	57	50	70	60	53	47	50	44	39	41	36	33	32	29	26	22
4	70	57	48	42	63	53	45	39	44	38	33	36	31	27	28	24	22	18
5	64	51	42	35	58	47	39	33	39	33	28	32	27	23	25	21	18	15
6	58	45	36	30	53	42	34	28	35	28	24	28	23	20	22	19	16	13
7	54	41	32	26	49	37	30	24	31	25	21	26	21	17	20	17	14	11
8	50	37	28	23	45	34	26	21	28	22	18	23	19	15	19	15	12	10
9	46	33	25	20	42	31	24	19	26	20	16	21	17	13	17	13	11	8
10	43	30	23	18	40	28	21	17	24	18	14	20	15	12	16	12	10	8

POLAR GRAPH



Maximum Candela = 2102.76 Located At Horizontal Angle = 95, Vertical Angle = 27.5
1 - Vertical Plane Through Horizontal Angles (95 - 275) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (27.5) (Through Max. Cd.)