

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 14K 360P-4-URD-835-U10-WA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 13551818.08
 [TESTLAB] UL Verification Services Inc.
 [ISSUE DATE] 11/9/2020
 [MANUFAC] Lux Dynamics
 [LUMCAT] 360P-4-URD-835-xxx-xx-WA (modified from 2' IES file)
 [LUMINAIRE] Gray cylindrical metal housing with diffuse plastic lens
 [LAMP] White 918 LEDs
 [BALLAST] One (1) OSRAM OPTOTRONIC OTi 85/120-277/2A3 DIM L HB
 [OTHER] 24.4 C, 277.018 V, 0.191225 A, 50.1202 W, 0.946149 PF, 59.9731
 [MORE] Hz
 [OTHER] This test was performed using the calibrated photodetector met
 [MORE] hod of absolute photometry.

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	14722
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	147
Total Luminaire Watts	100.2404
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)	3.83 ft
Luminous Width (90-270)	0.38 ft
Luminous Height	0.38 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10634	9962	10990
55	9421	9480	11299
65	7935	9450	11966
75	5839	9928	13106
85	2642	11210	14803

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8
0.5	1862.4	1855.2	1858.2	1860.0	1862.4	1860.0	1858.2	1855.2	1862.4	1850.6
1.0	1860.6	1858.0	1862.8	1865.0	1868.2	1865.0	1862.8	1858.0	1860.6	1848.2
1.5	1860.0	1860.0	1866.2	1871.2	1874.2	1871.2	1866.2	1860.0	1860.0	1845.2
2.0	1859.6	1860.8	1870.6	1876.4	1880.0	1876.4	1870.6	1860.8	1859.6	1842.6
2.5	1859.4	1863.2	1874.2	1881.8	1886.4	1881.8	1874.2	1863.2	1859.4	1839.2
3.0	1858.2	1865.4	1877.6	1886.2	1891.4	1886.2	1877.6	1865.4	1858.2	1836.0
3.5	1856.8	1866.2	1881.6	1891.8	1898.0	1891.8	1881.6	1866.2	1856.8	1832.0
4.0	1855.6	1867.0	1884.8	1896.4	1903.4	1896.4	1884.8	1867.0	1855.6	1829.2
4.5	1853.2	1868.6	1889.2	1902.4	1910.2	1902.4	1889.2	1868.6	1853.2	1824.6
5.0	1851.0	1869.2	1892.4	1906.2	1915.6	1906.2	1892.4	1869.2	1851.0	1821.8
5.5	1848.8	1869.6	1895.2	1911.8	1920.6	1911.8	1895.2	1869.6	1848.8	1816.8
6.0	1847.4	1870.0	1898.4	1915.8	1925.8	1915.8	1898.4	1870.0	1847.4	1812.6
6.5	1844.4	1870.4	1901.0	1921.0	1930.2	1921.0	1901.0	1870.4	1844.4	1808.4
7.0	1842.2	1870.0	1903.0	1924.0	1935.2	1924.0	1903.0	1870.0	1842.2	1803.4
7.5	1838.2	1870.6	1905.4	1928.8	1939.4	1928.8	1905.4	1870.6	1838.2	1798.4
8.0	1835.2	1869.6	1907.6	1932.0	1943.4	1932.0	1907.6	1869.6	1835.2	1794.0
8.5	1831.8	1869.0	1908.8	1934.6	1948.2	1934.6	1908.8	1869.0	1831.8	1788.6
9.0	1828.4	1868.4	1910.2	1939.4	1953.0	1939.4	1910.2	1868.4	1828.4	1783.6
9.5	1824.0	1868.0	1912.2	1943.4	1957.6	1943.4	1912.2	1868.0	1824.0	1779.0
10.0	1820.4	1865.8	1913.0	1945.8	1962.6	1945.8	1913.0	1865.8	1820.4	1773.2
10.5	1815.2	1864.8	1913.0	1949.6	1966.6	1949.6	1913.0	1864.8	1815.2	1767.8
11.0	1811.2	1862.4	1915.2	1953.2	1968.2	1953.2	1915.2	1862.4	1811.2	1761.6
11.5	1805.2	1860.0	1915.2	1956.0	1972.2	1956.0	1915.2	1860.0	1805.2	1755.8
12.0	1800.8	1858.0	1915.8	1958.6	1977.6	1958.6	1915.8	1858.0	1800.8	1749.8
12.5	1795.4	1855.8	1916.4	1962.2	1980.6	1962.2	1916.4	1855.8	1795.4	1743.4
13.0	1790.8	1853.6	1917.6	1965.0	1984.6	1965.0	1917.6	1853.6	1790.8	1736.8
13.5	1785.0	1851.0	1917.4	1968.0	1987.8	1968.0	1917.4	1851.0	1785.0	1730.2
14.0	1778.8	1847.8	1917.4	1969.4	1991.4	1969.4	1917.4	1847.8	1778.8	1723.4
14.5	1772.8	1844.2	1916.4	1972.4	1994.4	1972.4	1916.4	1844.2	1772.8	1715.8
15.0	1766.4	1840.4	1916.2	1974.6	1996.4	1974.6	1916.2	1840.4	1766.4	1710.2
15.5	1759.8	1837.0	1916.0	1976.2	1999.6	1976.2	1916.0	1837.0	1759.8	1702.2
16.0	1752.8	1833.0	1916.0	1978.2	2002.0	1978.2	1916.0	1833.0	1752.8	1694.4
16.5	1745.8	1828.6	1914.4	1980.2	2006.0	1980.2	1914.4	1828.6	1745.8	1685.6
17.0	1738.4	1824.2	1913.8	1981.0	2010.0	1981.0	1913.8	1824.2	1738.4	1677.8
17.5	1731.6	1819.8	1912.8	1983.0	2012.0	1983.0	1912.8	1819.8	1731.6	1669.0
18.0	1723.0	1815.2	1911.2	1984.8	2016.0	1984.8	1911.2	1815.2	1723.0	1660.4
18.5	1715.0	1809.8	1910.0	1986.6	2018.0	1986.6	1910.0	1809.8	1715.0	1651.6
19.0	1707.0	1804.6	1908.2	1987.2	2022.0	1987.2	1908.2	1804.6	1707.0	1642.4
19.5	1698.6	1800.0	1906.6	1990.8	2024.0	1990.8	1906.6	1800.0	1698.6	1633.8
20.0	1691.4	1794.6	1904.2	1991.8	2026.0	1991.8	1904.2	1794.6	1691.4	1625.4
20.5	1682.6	1788.2	1901.6	1994.0	2028.0	1994.0	1901.6	1788.2	1682.6	1615.8
21.0	1674.4	1783.2	1900.0	1993.6	2030.0	1993.6	1900.0	1783.2	1674.4	1606.4
21.5	1665.2	1777.2	1897.8	1994.8	2034.0	1994.8	1897.8	1777.2	1665.2	1596.2
22.0	1655.6	1770.6	1895.4	1996.2	2036.0	1996.2	1895.4	1770.6	1655.6	1585.8
22.5	1645.4	1765.0	1893.0	1997.0	2038.0	1997.0	1893.0	1765.0	1645.4	1575.4
23.0	1637.2	1757.8	1889.8	1998.2	2040.0	1998.2	1889.8	1757.8	1637.2	1566.0
23.5	1628.0	1750.8	1887.4	1999.0	2042.0	1999.0	1887.4	1750.8	1628.0	1554.2
24.0	1619.8	1745.4	1884.6	1999.0	2044.0	1999.0	1884.6	1745.4	1619.8	1543.0
24.5	1610.0	1737.4	1882.2	1999.0	2044.0	1999.0	1882.2	1737.4	1610.0	1531.6
25.0	1600.2	1730.2	1879.4	1999.2	2048.0	1999.2	1879.4	1730.2	1600.2	1521.0
25.5	1589.8	1722.4	1876.0	1999.6	2050.0	1999.6	1876.0	1722.4	1589.8	1511.4
26.0	1577.0	1715.4	1873.2	1999.6	2052.0	1999.6	1873.2	1715.4	1577.0	1500.6
26.5	1566.6	1708.0	1869.8	2000.0	2054.0	2000.0	1869.8	1708.0	1566.6	1487.6

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27.0	1557.2	1700.4	1865.8	2000.0	2056.0	2000.0	1865.8	1700.4	1557.2	1476.8
27.5	1546.8	1691.8	1862.4	2002.0	2058.0	2002.0	1862.4	1691.8	1546.8	1467.6
28.0	1535.6	1684.2	1859.0	2000.0	2060.0	2000.0	1859.0	1684.2	1535.6	1454.6
28.5	1523.6	1675.8	1854.6	2002.0	2060.0	2002.0	1854.6	1675.8	1523.6	1444.0
29.0	1514.4	1667.2	1850.6	2002.0	2062.0	2002.0	1850.6	1667.2	1514.4	1432.8
29.5	1502.8	1657.6	1846.4	2002.0	2062.0	2002.0	1846.4	1657.6	1502.8	1420.6
30.0	1490.2	1650.2	1842.0	2000.0	2064.0	2000.0	1842.0	1650.2	1490.2	1409.4
30.5	1476.0	1641.4	1837.6	2000.0	2066.0	2000.0	1837.6	1641.4	1476.0	1397.6
31.0	1464.4	1632.4	1834.0	2002.0	2066.0	2002.0	1834.0	1632.4	1464.4	1386.0
31.5	1452.6	1623.4	1828.6	2000.0	2068.0	2000.0	1828.6	1623.4	1452.6	1374.2
32.0	1440.8	1614.4	1823.8	1999.6	2068.0	1999.6	1823.8	1614.4	1440.8	1361.8
32.5	1429.0	1604.6	1818.8	1998.6	2070.0	1998.6	1818.8	1604.6	1429.0	1349.8
33.0	1416.4	1595.4	1813.8	1997.6	2070.0	1997.6	1813.8	1595.4	1416.4	1337.6
33.5	1403.6	1585.6	1809.8	1997.8	2070.0	1997.8	1809.8	1585.6	1403.6	1325.4
34.0	1392.6	1576.4	1804.0	1996.2	2072.0	1996.2	1804.0	1576.4	1392.6	1312.6
34.5	1381.4	1567.2	1799.2	1994.8	2072.0	1994.8	1799.2	1567.2	1381.4	1299.6
35.0	1367.8	1556.2	1793.8	1993.4	2072.0	1993.4	1793.8	1556.2	1367.8	1286.6
35.5	1355.8	1546.4	1789.0	1993.4	2074.0	1993.4	1789.0	1546.4	1355.8	1274.8
36.0	1342.8	1536.2	1783.4	1991.6	2074.0	1991.6	1783.4	1536.2	1342.8	1261.6
36.5	1330.4	1523.4	1777.4	1989.8	2076.0	1989.8	1777.4	1523.4	1330.4	1248.4
37.0	1317.4	1516.0	1771.8	1989.6	2076.0	1989.6	1771.8	1516.0	1317.4	1235.6
37.5	1305.0	1505.8	1766.0	1988.4	2076.0	1988.4	1766.0	1505.8	1305.0	1223.2
38.0	1292.8	1495.8	1760.4	1987.6	2076.0	1987.6	1760.4	1495.8	1292.8	1210.2
38.5	1280.4	1485.4	1754.6	1986.2	2076.0	1986.2	1754.6	1485.4	1280.4	1196.4
39.0	1267.2	1475.2	1748.4	1984.8	2078.0	1984.8	1748.4	1475.2	1267.2	1183.6
39.5	1254.0	1465.2	1742.2	1984.0	2076.0	1984.0	1742.2	1465.2	1254.0	1170.4
40.0	1240.8	1455.2	1736.0	1982.6	2078.0	1982.6	1736.0	1455.2	1240.8	1158.2
40.5	1226.8	1444.0	1729.8	1981.0	2076.0	1981.0	1729.8	1444.0	1226.8	1144.6
41.0	1213.2	1432.8	1724.2	1978.8	2078.0	1978.8	1724.2	1432.8	1213.2	1132.2
41.5	1199.0	1420.4	1717.2	1977.0	2078.0	1977.0	1717.2	1420.4	1199.0	1119.4
42.0	1185.4	1410.0	1711.0	1975.4	2078.0	1975.4	1711.0	1410.0	1185.4	1106.2
42.5	1171.4	1399.4	1705.0	1973.0	2078.0	1973.0	1705.0	1399.4	1171.4	1093.2
43.0	1158.0	1388.4	1697.4	1972.0	2078.0	1972.0	1697.4	1388.4	1158.0	1081.0
43.5	1144.6	1377.2	1691.8	1969.4	2078.0	1969.4	1691.8	1377.2	1144.6	1067.6
44.0	1130.8	1365.6	1685.2	1966.8	2078.0	1966.8	1685.2	1365.6	1130.8	1055.0
44.5	1117.6	1354.0	1679.0	1964.8	2076.0	1964.8	1679.0	1354.0	1117.6	1042.4
45.0	1103.6	1342.6	1672.8	1963.0	2078.0	1963.0	1672.8	1342.6	1103.6	1029.6
45.5	1089.2	1331.4	1666.4	1961.2	2078.0	1961.2	1666.4	1331.4	1089.2	1016.8
46.0	1075.6	1320.6	1659.6	1958.6	2078.0	1958.6	1659.6	1320.6	1075.6	1004.0
46.5	1060.6	1308.6	1653.4	1956.6	2078.0	1956.6	1653.4	1308.6	1060.6	990.8
47.0	1047.0	1296.8	1646.4	1955.2	2080.0	1955.2	1646.4	1296.8	1047.0	977.8
47.5	1032.6	1284.6	1640.0	1953.0	2082.0	1953.0	1640.0	1284.6	1032.6	965.2
48.0	1019.0	1273.2	1633.4	1950.6	2084.0	1950.6	1633.4	1273.2	1019.0	952.0
48.5	1005.2	1261.4	1625.8	1949.6	2086.0	1949.6	1625.8	1261.4	1005.2	938.4
49.0	991.6	1250.0	1618.8	1948.0	2086.0	1948.0	1618.8	1250.0	991.6	925.6
49.5	978.0	1238.2	1611.4	1947.2	2090.0	1947.2	1611.4	1238.2	978.0	912.4
50.0	963.4	1227.6	1605.0	1946.8	2092.0	1946.8	1605.0	1227.6	963.4	898.8
50.5	949.4	1215.6	1597.8	1946.4	2092.0	1946.4	1597.8	1215.6	949.4	886.2
51.0	935.2	1204.4	1590.0	1946.2	2094.0	1946.2	1590.0	1204.4	935.2	873.0
51.5	921.2	1193.0	1583.4	1946.4	2096.0	1946.4	1583.4	1193.0	921.2	860.2
52.0	906.8	1181.0	1575.8	1945.6	2096.0	1945.6	1575.8	1181.0	906.8	847.6
52.5	892.6	1169.4	1568.2	1945.4	2098.0	1945.4	1568.2	1169.4	892.6	834.0
53.0	878.4	1158.4	1562.2	1945.6	2098.0	1945.6	1562.2	1158.4	878.4	821.2
53.5	864.8	1146.6	1554.4	1944.0	2100.0	1944.0	1554.4	1146.6	864.8	808.4
54.0	851.0	1135.2	1546.0	1944.0	2102.0	1944.0	1546.0	1135.2	851.0	796.4
54.5	837.6	1123.4	1539.0	1943.6	2104.0	1943.6	1539.0	1123.4	837.6	784.4

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55.0	823.4	1112.0	1533.0	1942.6	2104.0	1942.6	1533.0	1112.0	823.4	772.0
55.5	809.4	1100.2	1527.2	1942.0	2104.0	1942.0	1527.2	1100.2	809.4	759.8
56.0	795.6	1089.2	1519.2	1941.4	2106.0	1941.4	1519.2	1089.2	795.6	746.8
56.5	781.2	1076.6	1513.0	1940.8	2106.0	1940.8	1513.0	1076.6	781.2	734.4
57.0	767.2	1065.2	1508.0	1939.6	2108.0	1939.6	1508.0	1065.2	767.2	722.8
57.5	753.2	1053.6	1503.6	1938.8	2110.0	1938.8	1503.6	1053.6	753.2	710.6
58.0	738.8	1041.8	1499.2	1938.2	2110.0	1938.2	1499.2	1041.8	738.8	698.6
58.5	725.2	1030.0	1494.8	1937.2	2112.0	1937.2	1494.8	1030.0	725.2	686.6
59.0	711.4	1017.8	1488.4	1936.6	2114.0	1936.6	1488.4	1017.8	711.4	674.6
59.5	697.6	1006.2	1483.4	1936.2	2112.0	1936.2	1483.4	1006.2	697.6	661.8
60.0	683.8	994.2	1477.2	1934.4	2116.0	1934.4	1477.2	994.2	683.8	650.0
60.5	669.8	982.2	1473.8	1933.4	2116.0	1933.4	1473.8	982.2	669.8	638.2
61.0	655.8	970.6	1467.6	1932.6	2118.0	1932.6	1467.6	970.6	655.8	626.2
61.5	641.4	958.6	1461.4	1932.0	2118.0	1932.0	1461.4	958.6	641.4	614.0
62.0	626.2	947.0	1458.2	1930.8	2120.0	1930.8	1458.2	947.0	626.2	602.0
62.5	612.0	935.4	1450.6	1929.4	2120.0	1929.4	1450.6	935.4	612.0	589.2
63.0	597.6	923.6	1446.4	1928.4	2122.0	1928.4	1446.4	923.6	597.6	577.4
63.5	583.8	912.0	1441.0	1927.8	2122.0	1927.8	1441.0	912.0	583.8	565.2
64.0	570.0	900.0	1436.0	1927.6	2124.0	1927.6	1436.0	900.0	570.0	553.6
64.5	556.4	888.2	1429.4	1925.8	2126.0	1925.8	1429.4	888.2	556.4	541.6
65.0	542.4	876.8	1422.8	1926.0	2126.0	1926.0	1422.8	876.8	542.4	529.6
65.5	528.4	865.2	1417.4	1925.4	2128.0	1925.4	1417.4	865.2	528.4	517.0
66.0	514.4	853.4	1411.4	1925.0	2128.0	1925.0	1411.4	853.4	514.4	504.8
66.5	500.2	842.2	1407.4	1923.6	2128.0	1923.6	1407.4	842.2	500.2	493.0
67.0	486.6	831.2	1401.6	1923.8	2130.0	1923.8	1401.6	831.2	486.6	480.8
67.5	472.4	819.4	1396.6	1923.8	2130.0	1923.8	1396.6	819.4	472.4	469.8
68.0	458.6	808.6	1392.4	1923.8	2132.0	1923.8	1392.4	808.6	458.6	458.0
68.5	444.6	797.8	1386.6	1922.8	2134.0	1922.8	1386.6	797.8	444.6	446.4
69.0	431.4	787.2	1382.6	1922.2	2134.0	1922.2	1382.6	787.2	431.4	435.2
69.5	418.0	776.4	1378.2	1922.8	2136.0	1922.8	1378.2	776.4	418.0	424.8
70.0	404.8	766.4	1374.2	1922.6	2136.0	1922.6	1374.2	766.4	404.8	414.8
70.5	391.6	756.4	1370.6	1923.2	2138.0	1923.2	1370.6	756.4	391.6	405.6
71.0	378.2	747.0	1366.0	1922.6	2140.0	1922.6	1366.0	747.0	378.2	395.4
71.5	365.0	738.2	1362.6	1922.6	2140.0	1922.6	1362.6	738.2	365.0	385.6
72.0	351.8	729.6	1359.6	1922.6	2142.0	1922.6	1359.6	729.6	351.8	376.2
72.5	338.4	720.4	1356.0	1922.2	2142.0	1922.2	1356.0	720.4	338.4	366.2
73.0	325.8	712.0	1352.8	1922.2	2144.0	1922.2	1352.8	712.0	325.8	357.0
73.5	313.0	703.8	1349.0	1921.4	2144.0	1921.4	1349.0	703.8	313.0	347.2
74.0	300.2	695.6	1345.4	1921.4	2146.0	1921.4	1345.4	695.6	300.2	338.2
74.5	287.8	686.8	1342.2	1921.2	2146.0	1921.2	1342.2	686.8	287.8	329.0
75.0	275.8	678.6	1338.8	1919.8	2146.0	1919.8	1338.8	678.6	275.8	319.6
75.5	263.6	671.0	1336.0	1919.8	2148.0	1919.8	1336.0	671.0	263.6	310.6
76.0	251.4	662.8	1332.6	1919.4	2148.0	1919.4	1332.6	662.8	251.4	301.6
76.5	239.6	654.8	1329.4	1919.0	2150.0	1919.0	1329.4	654.8	239.6	293.2
77.0	227.8	647.4	1327.2	1919.0	2150.0	1919.0	1327.2	647.4	227.8	284.8
77.5	216.0	640.0	1323.8	1918.2	2150.0	1918.2	1323.8	640.0	216.0	276.4
78.0	204.2	632.6	1321.0	1918.4	2152.0	1918.4	1321.0	632.6	204.2	268.2
78.5	192.6	626.0	1317.6	1918.4	2152.0	1918.4	1317.6	626.0	192.6	260.2
79.0	181.2	619.8	1315.0	1916.8	2152.0	1916.8	1315.0	619.8	181.2	253.0
79.5	170.2	613.2	1313.2	1917.2	2152.0	1917.2	1313.2	613.2	170.2	246.0
80.0	159.4	607.6	1310.8	1915.8	2152.0	1915.8	1310.8	607.6	159.4	239.6
80.5	148.8	601.8	1308.4	1915.4	2154.0	1915.4	1308.4	601.8	148.8	233.0
81.0	138.4	596.4	1306.8	1913.8	2152.0	1913.8	1306.8	596.4	138.4	226.4
81.5	128.2	591.4	1304.8	1913.2	2150.0	1913.2	1304.8	591.4	128.2	220.2
82.0	118.2	586.6	1302.8	1912.0	2148.0	1912.0	1302.8	586.6	118.2	214.0
82.5	108.4	582.2	1300.4	1910.4	2150.0	1910.4	1300.4	582.2	108.4	208.4

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83.0	98.8	578.0	1298.0	1909.4	2148.0	1909.4	1298.0	578.0	98.8	203.0
83.5	89.6	574.0	1295.0	1906.6	2146.0	1906.6	1295.0	574.0	89.6	198.0
84.0	81.0	570.0	1293.2	1906.0	2146.0	1906.0	1293.2	570.0	81.0	193.2
84.5	72.8	567.0	1291.2	1903.8	2144.0	1903.8	1291.2	567.0	72.8	188.6
85.0	65.2	564.2	1289.6	1902.2	2144.0	1902.2	1289.6	564.2	65.2	184.4
85.5	58.0	561.0	1286.8	1900.6	2140.0	1900.6	1286.8	561.0	58.0	180.6
86.0	51.2	558.8	1285.2	1897.8	2138.0	1897.8	1285.2	558.8	51.2	177.0
86.5	44.8	556.2	1283.2	1895.6	2136.0	1895.6	1283.2	556.2	44.8	173.6
87.0	39.2	554.6	1280.4	1892.8	2134.0	1892.8	1280.4	554.6	39.2	170.6
87.5	34.0	552.6	1277.4	1890.6	2132.0	1890.6	1277.4	552.6	34.0	168.0
88.0	30.0	550.6	1274.2	1888.4	2130.0	1888.4	1274.2	550.6	30.0	165.8
88.5	26.6	549.0	1272.6	1886.8	2130.0	1886.8	1272.6	549.0	26.6	164.0
89.0	24.2	547.0	1271.2	1886.8	2130.0	1886.8	1271.2	547.0	24.2	162.6
89.5	22.4	545.8	1270.6	1887.2	2130.0	1887.2	1270.6	545.8	22.4	161.8
90.0	21.4	545.4	1270.2	1887.0	2130.0	1887.0	1270.2	545.4	21.4	161.4
90.5	19.2	545.0	1270.6	1889.2	2132.0	1889.2	1270.6	545.0	19.2	160.4
91.0	20.6	545.4	1271.0	1888.8	2132.0	1888.8	1271.0	545.4	20.6	161.8
91.5	22.8	546.8	1271.8	1889.4	2132.0	1889.4	1271.8	546.8	22.8	163.6
92.0	25.6	549.2	1273.6	1891.4	2134.0	1891.4	1273.6	549.2	25.6	166.0
92.5	29.0	551.6	1275.4	1892.4	2134.0	1892.4	1275.4	551.6	29.0	168.8
93.0	33.0	554.4	1278.4	1894.2	2136.0	1894.2	1278.4	554.4	33.0	171.8
93.5	37.4	557.0	1281.0	1895.8	2138.0	1895.8	1281.0	557.0	37.4	175.2
94.0	42.6	560.0	1283.2	1898.8	2138.0	1898.8	1283.2	560.0	42.6	178.8
94.5	48.6	563.2	1286.6	1901.4	2144.0	1901.4	1286.6	563.2	48.6	182.8
95.0	55.4	566.6	1290.0	1903.4	2144.0	1903.4	1290.0	566.6	55.4	187.0
95.5	62.6	569.6	1291.8	1906.2	2146.0	1906.2	1291.8	569.6	62.6	191.6
96.0	70.2	573.2	1294.6	1908.4	2150.0	1908.4	1294.6	573.2	70.2	196.4
96.5	78.4	577.0	1297.4	1910.6	2152.0	1910.6	1297.4	577.0	78.4	202.0
97.0	86.8	580.8	1299.8	1912.2	2152.0	1912.2	1299.8	580.8	86.8	207.4
97.5	95.6	585.4	1302.4	1914.4	2154.0	1914.4	1302.4	585.4	95.6	213.4
98.0	104.6	590.4	1304.8	1914.6	2154.0	1914.6	1304.8	590.4	104.6	219.4
98.5	113.8	595.2	1308.0	1916.0	2154.0	1916.0	1308.0	595.2	113.8	225.8
99.0	123.6	600.8	1310.8	1918.0	2156.0	1918.0	1310.8	600.8	123.6	232.0
99.5	133.4	606.4	1313.4	1919.8	2156.0	1919.8	1313.4	606.4	133.4	239.2
100.0	143.6	612.6	1316.2	1920.8	2158.0	1920.8	1316.2	612.6	143.6	246.8
100.5	154.0	619.2	1318.8	1922.2	2158.0	1922.2	1318.8	619.2	154.0	253.6
101.0	164.6	625.6	1322.2	1922.8	2158.0	1922.8	1322.2	625.6	164.6	260.6
101.5	175.6	632.6	1324.8	1925.4	2160.0	1925.4	1324.8	632.6	175.6	269.2
102.0	186.6	639.8	1328.4	1925.8	2160.0	1925.8	1328.4	639.8	186.6	277.4
102.5	198.0	646.4	1331.0	1926.8	2160.0	1926.8	1331.0	646.4	198.0	285.2
103.0	209.8	652.8	1333.8	1927.4	2160.0	1927.4	1333.8	652.8	209.8	293.2
103.5	221.4	659.8	1338.0	1928.2	2160.0	1928.2	1338.0	659.8	221.4	302.0
104.0	233.0	667.0	1341.4	1929.0	2160.0	1929.0	1341.4	667.0	233.0	310.2
104.5	244.2	674.4	1344.8	1929.6	2160.0	1929.6	1344.8	674.4	244.2	318.2
105.0	256.0	681.6	1348.0	1929.4	2160.0	1929.4	1348.0	681.6	256.0	326.6
105.5	268.4	689.2	1351.8	1930.8	2160.0	1930.8	1351.8	689.2	268.4	335.2
106.0	281.2	696.6	1355.4	1931.2	2160.0	1931.2	1355.4	696.6	281.2	343.6
106.5	293.6	703.6	1359.4	1932.0	2158.0	1932.0	1359.4	703.6	293.6	351.6
107.0	306.8	710.6	1362.8	1932.4	2156.0	1932.4	1362.8	710.6	306.8	360.8
107.5	319.8	717.2	1366.8	1932.2	2156.0	1932.2	1366.8	717.2	319.8	370.2
108.0	332.4	725.0	1370.8	1933.2	2154.0	1933.2	1370.8	725.0	332.4	378.6
108.5	345.4	732.4	1375.0	1933.0	2154.0	1933.0	1375.0	732.4	345.4	387.0
109.0	358.6	740.2	1379.4	1933.0	2154.0	1933.0	1379.4	740.2	358.6	396.8
109.5	371.2	748.0	1383.6	1934.8	2152.0	1934.8	1383.6	748.0	371.2	406.2
110.0	384.2	756.2	1388.6	1935.0	2152.0	1935.0	1388.6	756.2	384.2	415.6
110.5	398.0	764.4	1393.2	1935.4	2152.0	1935.4	1393.2	764.4	398.0	425.6

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111.0	411.2	773.2	1397.4	1936.4	2152.0	1936.4	1397.4	773.2	411.2	436.2
111.5	424.6	782.2	1403.0	1936.8	2150.0	1936.8	1403.0	782.2	424.6	446.4
112.0	438.0	792.0	1407.2	1938.2	2150.0	1938.2	1407.2	792.0	438.0	456.8
112.5	451.6	801.8	1412.2	1939.8	2150.0	1939.8	1412.2	801.8	451.6	467.6
113.0	465.4	811.4	1417.6	1939.8	2148.0	1939.8	1417.6	811.4	465.4	478.6
113.5	478.8	821.2	1422.6	1942.0	2148.0	1942.0	1422.6	821.2	478.8	489.4
114.0	492.6	831.2	1427.4	1943.0	2148.0	1943.0	1427.4	831.2	492.6	500.8
114.5	505.8	841.8	1432.6	1944.0	2148.0	1944.0	1432.6	841.8	505.8	512.0
115.0	519.8	852.2	1437.4	1944.8	2148.0	1944.8	1437.4	852.2	519.8	523.2
115.5	533.6	862.6	1442.6	1947.2	2148.0	1947.2	1442.6	862.6	533.6	534.8
116.0	547.6	873.6	1447.8	1947.8	2148.0	1947.8	1447.8	873.6	547.6	546.2
116.5	561.2	884.4	1453.2	1948.4	2146.0	1948.4	1453.2	884.4	561.2	558.2
117.0	574.8	895.8	1457.8	1950.2	2146.0	1950.2	1457.8	895.8	574.8	569.8
117.5	588.6	906.2	1463.2	1951.4	2146.0	1951.4	1463.2	906.2	588.6	582.4
118.0	602.6	917.8	1468.0	1952.8	2146.0	1952.8	1468.0	917.8	602.6	594.4
118.5	616.2	929.0	1472.0	1954.4	2144.0	1954.4	1472.0	929.0	616.2	606.0
119.0	630.4	940.2	1477.2	1954.8	2144.0	1954.8	1477.2	940.2	630.4	618.2
119.5	644.0	950.8	1481.6	1955.8	2142.0	1955.8	1481.6	950.8	644.0	630.6
120.0	657.8	963.0	1486.0	1956.8	2140.0	1956.8	1486.0	963.0	657.8	642.8
120.5	671.8	974.2	1490.2	1958.0	2140.0	1958.0	1490.2	974.2	671.8	655.2
121.0	685.4	986.0	1494.8	1958.4	2140.0	1958.4	1494.8	986.0	685.4	667.2
121.5	699.4	997.6	1499.2	1958.4	2138.0	1958.4	1499.2	997.6	699.4	679.8
122.0	713.4	1008.8	1503.0	1958.6	2138.0	1958.6	1503.0	1008.8	713.4	691.8
122.5	727.0	1020.6	1508.4	1960.2	2136.0	1960.2	1508.4	1020.6	727.0	704.4
123.0	740.6	1032.0	1512.4	1960.4	2136.0	1960.4	1512.4	1032.0	740.6	716.8
123.5	754.4	1043.6	1517.0	1960.4	2134.0	1960.4	1517.0	1043.6	754.4	729.6
124.0	768.0	1055.2	1520.8	1960.6	2132.0	1960.6	1520.8	1055.2	768.0	741.4
124.5	782.0	1067.0	1525.4	1961.4	2132.0	1961.4	1525.4	1067.0	782.0	753.8
125.0	795.8	1078.2	1530.4	1961.8	2130.0	1961.8	1530.4	1078.2	795.8	766.6
125.5	809.6	1090.2	1533.8	1961.8	2128.0	1961.8	1533.8	1090.2	809.6	779.4
126.0	822.8	1101.8	1540.2	1962.2	2128.0	1962.2	1540.2	1101.8	822.8	791.2
126.5	836.6	1114.0	1547.4	1962.0	2126.0	1962.0	1547.4	1114.0	836.6	804.0
127.0	850.4	1125.8	1553.8	1962.0	2124.0	1962.0	1553.8	1125.8	850.4	816.8
127.5	863.6	1137.0	1556.4	1961.8	2122.0	1961.8	1556.4	1137.0	863.6	829.0
128.0	877.4	1148.2	1564.6	1960.6	2120.0	1960.6	1564.6	1148.2	877.4	841.8
128.5	891.2	1159.4	1569.2	1960.8	2116.0	1960.8	1569.2	1159.4	891.2	854.2
129.0	904.4	1171.8	1575.8	1959.4	2114.0	1959.4	1575.8	1171.8	904.4	866.8
129.5	918.0	1182.8	1581.2	1958.6	2114.0	1958.6	1581.2	1182.8	918.0	879.8
130.0	931.0	1194.4	1587.0	1957.6	2110.0	1957.6	1587.0	1194.4	931.0	892.2
130.5	944.6	1205.4	1592.6	1957.4	2106.0	1957.4	1592.6	1205.4	944.6	905.2
131.0	958.4	1217.4	1597.6	1956.0	2102.0	1956.0	1597.6	1217.4	958.4	917.8
131.5	971.8	1228.8	1602.6	1956.2	2102.0	1956.2	1602.6	1228.8	971.8	930.0
132.0	985.0	1240.0	1607.2	1954.0	2098.0	1954.0	1607.2	1240.0	985.0	943.0
132.5	999.4	1252.6	1615.0	1953.6	2096.0	1953.6	1615.0	1252.6	999.4	956.0
133.0	1012.4	1264.4	1621.4	1953.6	2092.0	1953.6	1621.4	1264.4	1012.4	968.4
133.5	1025.8	1275.6	1628.8	1954.2	2090.0	1954.2	1628.8	1275.6	1025.8	982.0
134.0	1039.2	1287.2	1634.4	1954.2	2088.0	1954.2	1634.4	1287.2	1039.2	994.6
134.5	1053.2	1298.4	1639.6	1955.6	2084.0	1955.6	1639.6	1298.4	1053.2	1007.2
135.0	1066.6	1310.6	1645.8	1956.6	2082.0	1956.6	1645.8	1310.6	1066.6	1020.0
135.5	1080.0	1321.8	1653.8	1958.0	2080.0	1958.0	1653.8	1321.8	1080.0	1032.8
136.0	1094.2	1333.6	1660.0	1959.4	2078.0	1959.4	1660.0	1333.6	1094.2	1045.4
136.5	1107.6	1345.2	1666.8	1961.2	2078.0	1961.2	1666.8	1345.2	1107.6	1058.4
137.0	1120.8	1356.8	1673.8	1962.2	2078.0	1962.2	1673.8	1356.8	1120.8	1071.2
137.5	1135.0	1367.8	1679.4	1963.6	2078.0	1963.6	1679.4	1367.8	1135.0	1084.4
138.0	1148.2	1378.8	1688.0	1965.0	2078.0	1965.0	1688.0	1378.8	1148.2	1097.4
138.5	1162.0	1390.0	1696.0	1967.2	2076.0	1967.2	1696.0	1390.0	1162.0	1110.0

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139.0	1175.2	1401.0	1701.4	1968.8	2076.0	1968.8	1701.4	1401.0	1175.2	1123.2
139.5	1188.4	1412.0	1707.8	1970.4	2076.0	1970.4	1707.8	1412.0	1188.4	1135.8
140.0	1202.0	1422.8	1715.0	1970.8	2076.0	1970.8	1715.0	1422.8	1202.0	1149.2
140.5	1215.4	1433.6	1721.6	1973.2	2074.0	1973.2	1721.6	1433.6	1215.4	1162.2
141.0	1229.2	1444.4	1727.0	1975.0	2074.0	1975.0	1727.0	1444.4	1229.2	1175.0
141.5	1242.0	1455.2	1733.8	1976.4	2072.0	1976.4	1733.8	1455.2	1242.0	1187.4
142.0	1255.4	1465.2	1741.0	1977.8	2072.0	1977.8	1741.0	1465.2	1255.4	1200.0
142.5	1268.4	1476.2	1746.8	1979.4	2072.0	1979.4	1746.8	1476.2	1268.4	1213.4
143.0	1281.4	1486.4	1753.4	1981.0	2072.0	1981.0	1753.4	1486.4	1281.4	1226.0
143.5	1295.2	1496.8	1760.4	1982.8	2072.0	1982.8	1760.4	1496.8	1295.2	1238.4
144.0	1307.4	1507.2	1767.0	1984.0	2070.0	1984.0	1767.0	1507.2	1307.4	1250.8
144.5	1320.2	1516.6	1774.4	1985.6	2070.0	1985.6	1774.4	1516.6	1320.2	1263.8
145.0	1332.8	1526.2	1779.4	1987.0	2070.0	1987.0	1779.4	1526.2	1332.8	1276.8
145.5	1345.2	1535.8	1784.4	1988.2	2068.0	1988.2	1784.4	1535.8	1345.2	1289.0
146.0	1357.8	1546.4	1789.8	1990.6	2068.0	1990.6	1789.8	1546.4	1357.8	1301.8
146.5	1369.8	1553.4	1795.4	1991.2	2066.0	1991.2	1795.4	1553.4	1369.8	1314.0
147.0	1382.2	1563.4	1800.8	1992.6	2068.0	1992.6	1800.8	1563.4	1382.2	1326.2
147.5	1393.6	1574.4	1807.0	1993.2	2066.0	1993.2	1807.0	1574.4	1393.6	1338.8
148.0	1404.8	1582.6	1811.6	1995.4	2066.0	1995.4	1811.6	1582.6	1404.8	1350.6
148.5	1417.2	1593.6	1817.4	1995.4	2066.0	1995.4	1817.4	1593.6	1417.2	1362.6
149.0	1428.6	1603.6	1822.6	1997.2	2064.0	1997.2	1822.6	1603.6	1428.6	1374.6
149.5	1440.2	1610.0	1827.8	1997.6	2064.0	1997.6	1827.8	1610.0	1440.2	1385.6
150.0	1451.2	1619.6	1833.0	1998.4	2062.0	1998.4	1833.0	1619.6	1451.2	1398.0
150.5	1463.2	1628.6	1836.8	1999.6	2064.0	1999.6	1836.8	1628.6	1463.2	1409.0
151.0	1473.6	1636.6	1842.0	2000.0	2060.0	2000.0	1842.0	1636.6	1473.6	1420.8
151.5	1484.6	1645.4	1846.8	2002.0	2060.0	2002.0	1846.8	1645.4	1484.6	1432.2
152.0	1495.8	1653.8	1850.0	2002.0	2058.0	2002.0	1850.0	1653.8	1495.8	1443.2
152.5	1507.0	1661.0	1854.8	2002.0	2058.0	2002.0	1854.8	1661.0	1507.0	1454.0
153.0	1517.6	1669.8	1858.8	2002.0	2058.0	2002.0	1858.8	1669.8	1517.6	1465.0
153.5	1528.4	1680.2	1862.2	2002.0	2056.0	2002.0	1862.2	1680.2	1528.4	1476.2
154.0	1539.2	1686.0	1865.2	2002.0	2054.0	2002.0	1865.2	1686.0	1539.2	1487.0
154.5	1548.8	1694.8	1867.8	2004.0	2052.0	2004.0	1867.8	1694.8	1548.8	1498.0
155.0	1559.0	1703.6	1870.6	2002.0	2052.0	2002.0	1870.6	1703.6	1559.0	1508.2
155.5	1570.2	1710.4	1873.0	2004.0	2050.0	2004.0	1873.0	1710.4	1570.2	1518.6
156.0	1578.2	1718.4	1877.0	2004.0	2048.0	2004.0	1877.0	1718.4	1578.2	1528.2
156.5	1589.6	1724.8	1879.4	2004.0	2048.0	2004.0	1879.4	1724.8	1589.6	1539.0
157.0	1598.8	1733.0	1881.8	2002.0	2048.0	2002.0	1881.8	1733.0	1598.8	1549.4
157.5	1610.4	1737.4	1883.2	2002.0	2046.0	2002.0	1883.2	1737.4	1610.4	1561.6
158.0	1618.4	1745.8	1884.8	2002.0	2044.0	2002.0	1884.8	1745.8	1618.4	1569.4
158.5	1627.8	1752.2	1887.2	2000.0	2042.0	2000.0	1887.2	1752.2	1627.8	1579.2
159.0	1635.8	1757.6	1888.2	2000.0	2040.0	2000.0	1888.2	1757.6	1635.8	1590.2
159.5	1644.8	1764.2	1890.8	1997.8	2038.0	1997.8	1890.8	1764.2	1644.8	1596.8
160.0	1654.6	1769.6	1891.8	1996.2	2036.0	1996.2	1891.8	1769.6	1654.6	1609.4
160.5	1663.0	1775.6	1893.0	1994.0	2032.0	1994.0	1893.0	1775.6	1663.0	1618.2
161.0	1670.6	1781.6	1894.4	1991.2	2028.0	1991.2	1894.4	1781.6	1670.6	1628.6
161.5	1679.0	1787.0	1896.0	1989.4	2026.0	1989.4	1896.0	1787.0	1679.0	1636.8
162.0	1688.4	1792.0	1897.8	1987.4	2022.0	1987.4	1897.8	1792.0	1688.4	1644.8
162.5	1693.0	1795.2	1898.8	1984.6	2016.0	1984.6	1898.8	1795.2	1693.0	1654.0
163.0	1701.0	1800.6	1899.0	1980.8	2012.0	1980.8	1899.0	1800.6	1701.0	1661.4
163.5	1708.2	1804.6	1900.2	1979.0	2010.0	1979.0	1900.2	1804.6	1708.2	1670.8
164.0	1716.4	1809.4	1900.6	1975.4	2004.0	1975.4	1900.6	1809.4	1716.4	1678.2
164.5	1724.2	1813.0	1901.6	1971.6	2000.0	1971.6	1901.6	1813.0	1724.2	1686.0
165.0	1730.0	1816.6	1901.0	1969.0	1994.6	1969.0	1901.0	1816.6	1730.0	1694.4
165.5	1737.0	1819.6	1900.8	1965.4	1989.6	1965.4	1900.8	1819.6	1737.0	1704.2
166.0	1743.2	1823.6	1901.0	1962.4	1984.8	1962.4	1901.0	1823.6	1743.2	1711.0
166.5	1749.2	1827.2	1901.0	1959.6	1982.8	1959.6	1901.0	1827.2	1749.2	1718.0

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CANDELA TABULATION - (Cont.)

167.0	1755.2	1829.8	1900.6	1955.4	1976.8	1955.4	1900.6	1829.8	1755.2	1726.4
167.5	1761.0	1832.0	1900.8	1951.8	1972.8	1951.8	1900.8	1832.0	1761.0	1733.2
168.0	1767.6	1834.8	1899.8	1950.2	1968.0	1950.2	1899.8	1834.8	1767.6	1740.0
168.5	1772.4	1838.0	1900.2	1945.0	1964.2	1945.0	1900.2	1838.0	1772.4	1747.2
169.0	1777.6	1840.4	1899.0	1942.2	1960.8	1942.2	1899.0	1840.4	1777.6	1752.2
169.5	1783.0	1841.4	1899.0	1940.0	1955.8	1940.0	1899.0	1841.4	1783.0	1758.4
170.0	1788.2	1844.0	1898.2	1935.8	1952.0	1935.8	1898.2	1844.0	1788.2	1765.2
170.5	1793.2	1846.4	1897.4	1933.0	1948.0	1933.0	1897.4	1846.4	1793.2	1772.6
171.0	1797.6	1848.0	1895.2	1929.4	1943.2	1929.4	1895.2	1848.0	1797.6	1777.6
171.5	1801.6	1848.4	1893.6	1927.2	1940.4	1927.2	1893.6	1848.4	1801.6	1783.2
172.0	1805.2	1850.6	1891.6	1923.4	1937.0	1923.4	1891.6	1850.6	1805.2	1790.0
172.5	1809.6	1851.4	1889.4	1920.2	1932.2	1920.2	1889.4	1851.4	1809.6	1795.2
173.0	1814.2	1852.0	1887.6	1915.6	1928.2	1915.6	1887.6	1852.0	1814.2	1800.4
173.5	1815.8	1853.2	1886.0	1911.0	1922.6	1911.0	1886.0	1853.2	1815.8	1804.4
174.0	1819.0	1853.4	1884.0	1906.6	1919.0	1906.6	1884.0	1853.4	1819.0	1808.8
174.5	1822.6	1854.4	1881.0	1902.0	1912.8	1902.0	1881.0	1854.4	1822.6	1814.4
175.0	1824.0	1854.6	1878.4	1897.4	1907.8	1897.4	1878.4	1854.6	1824.0	1817.8
175.5	1826.8	1854.8	1876.0	1892.8	1903.4	1892.8	1876.0	1854.8	1826.8	1823.0
176.0	1830.0	1855.2	1872.4	1887.4	1895.8	1887.4	1872.4	1855.2	1830.0	1826.0
176.5	1831.6	1855.2	1870.2	1882.4	1890.8	1882.4	1870.2	1855.2	1831.6	1829.0
177.0	1832.6	1854.6	1867.6	1877.8	1886.6	1877.8	1867.6	1854.6	1832.6	1832.8
177.5	1833.6	1854.0	1863.6	1873.4	1879.4	1873.4	1863.6	1854.0	1833.6	1834.8
178.0	1834.6	1852.0	1861.2	1868.4	1874.6	1868.4	1861.2	1852.0	1834.6	1837.8
178.5	1836.8	1851.6	1857.8	1863.2	1870.0	1863.2	1857.8	1851.6	1836.8	1839.8
179.0	1836.6	1849.8	1854.8	1858.4	1863.8	1858.4	1854.8	1849.8	1836.6	1843.4
179.5	1837.4	1847.4	1852.2	1854.4	1859.4	1854.4	1852.2	1847.4	1837.4	1844.8
180.0	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8

Vert. Horizontal Angles
Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8	1855.8
0.5	1850.8	1849.8	1850.6	1849.8	1850.8	1850.6	1862.4
1.0	1846.6	1845.0	1845.6	1845.0	1846.6	1848.2	1860.6
1.5	1842.0	1839.6	1840.2	1839.6	1842.0	1845.2	1860.0
2.0	1838.4	1834.4	1835.0	1834.4	1838.4	1842.6	1859.6
2.5	1832.8	1829.8	1829.8	1829.8	1832.8	1839.2	1859.4
3.0	1829.4	1824.6	1825.2	1824.6	1829.4	1836.0	1858.2
3.5	1824.6	1821.0	1819.6	1821.0	1824.6	1832.0	1856.8
4.0	1820.6	1816.2	1816.0	1816.2	1820.6	1829.2	1855.6
4.5	1816.2	1810.8	1811.6	1810.8	1816.2	1824.6	1853.2
5.0	1811.2	1806.8	1806.8	1806.8	1811.2	1821.8	1851.0
5.5	1807.2	1801.6	1800.8	1801.6	1807.2	1816.8	1848.8
6.0	1802.4	1796.6	1795.8	1796.6	1802.4	1812.6	1847.4
6.5	1797.2	1792.2	1791.2	1792.2	1797.2	1808.4	1844.4
7.0	1792.6	1787.4	1784.6	1787.4	1792.6	1803.4	1842.2
7.5	1788.0	1781.6	1779.0	1781.6	1788.0	1798.4	1838.2
8.0	1782.0	1776.2	1773.8	1776.2	1782.0	1794.0	1835.2
8.5	1777.6	1770.6	1767.2	1770.6	1777.6	1788.6	1831.8
9.0	1771.8	1764.2	1760.8	1764.2	1771.8	1783.6	1828.4
9.5	1766.6	1758.6	1754.4	1758.6	1766.6	1779.0	1824.0
10.0	1760.4	1751.0	1747.2	1751.0	1760.4	1773.2	1820.4
10.5	1754.4	1744.4	1740.0	1744.4	1754.4	1767.8	1815.2
11.0	1747.8	1737.2	1732.6	1737.2	1747.8	1761.6	1811.2
11.5	1741.4	1730.4	1726.6	1730.4	1741.4	1755.8	1805.2
12.0	1734.6	1723.0	1719.6	1723.0	1734.6	1749.8	1800.8

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CANDELA TABULATION - (Cont.)

12.5	1727.2	1716.8	1713.6	1716.8	1727.2	1743.4	1795.4
13.0	1720.0	1710.4	1707.6	1710.4	1720.0	1736.8	1790.8
13.5	1713.0	1703.6	1700.0	1703.6	1713.0	1730.2	1785.0
14.0	1704.8	1697.8	1693.6	1697.8	1704.8	1723.4	1778.8
14.5	1697.2	1690.4	1686.2	1690.4	1697.2	1715.8	1772.8
15.0	1689.4	1682.8	1677.4	1682.8	1689.4	1710.2	1766.4
15.5	1681.8	1676.2	1669.6	1676.2	1681.8	1702.2	1759.8
16.0	1673.4	1667.8	1662.4	1667.8	1673.4	1694.4	1752.8
16.5	1664.6	1659.6	1652.8	1659.6	1664.6	1685.6	1745.8
17.0	1656.4	1650.6	1644.8	1650.6	1656.4	1677.8	1738.4
17.5	1648.2	1641.6	1635.8	1641.6	1648.2	1669.0	1731.6
18.0	1639.8	1633.2	1628.4	1633.2	1639.8	1660.4	1723.0
18.5	1631.8	1625.6	1619.8	1625.6	1631.8	1651.6	1715.0
19.0	1622.2	1616.0	1612.4	1616.0	1622.2	1642.4	1707.0
19.5	1613.0	1607.6	1604.8	1607.6	1613.0	1633.8	1698.6
20.0	1604.6	1599.0	1597.2	1599.0	1604.6	1625.4	1691.4
20.5	1595.6	1590.6	1590.2	1590.6	1595.6	1615.8	1682.6
21.0	1585.8	1582.0	1581.6	1582.0	1585.8	1606.4	1674.4
21.5	1575.6	1574.4	1573.4	1574.4	1575.6	1596.2	1665.2
22.0	1565.6	1566.4	1564.6	1566.4	1565.6	1585.8	1655.6
22.5	1555.4	1557.8	1556.0	1557.8	1555.4	1575.4	1645.4
23.0	1546.8	1549.8	1551.4	1549.8	1546.8	1566.0	1637.2
23.5	1537.4	1540.8	1541.8	1540.8	1537.4	1554.2	1628.0
24.0	1525.0	1531.8	1530.6	1531.8	1525.0	1543.0	1619.8
24.5	1516.0	1523.4	1524.6	1523.4	1516.0	1531.6	1610.0
25.0	1504.8	1513.8	1516.8	1513.8	1504.8	1521.0	1600.2
25.5	1495.2	1503.8	1505.4	1503.8	1495.2	1511.4	1589.8
26.0	1487.0	1496.4	1499.8	1496.4	1487.0	1500.6	1577.0
26.5	1476.4	1486.8	1489.2	1486.8	1476.4	1487.6	1566.6
27.0	1466.4	1477.6	1481.0	1477.6	1466.4	1476.8	1557.2
27.5	1457.2	1469.2	1470.6	1469.2	1457.2	1467.6	1546.8
28.0	1444.4	1458.2	1463.8	1458.2	1444.4	1454.6	1535.6
28.5	1434.4	1451.0	1453.4	1451.0	1434.4	1444.0	1523.6
29.0	1424.8	1442.6	1446.4	1442.6	1424.8	1432.8	1514.4
29.5	1414.4	1432.6	1437.4	1432.6	1414.4	1420.6	1502.8
30.0	1403.4	1423.4	1429.6	1423.4	1403.4	1409.4	1490.2
30.5	1392.8	1413.2	1421.6	1413.2	1392.8	1397.6	1476.0
31.0	1382.2	1404.6	1413.6	1404.6	1382.2	1386.0	1464.4
31.5	1371.6	1395.2	1404.0	1395.2	1371.6	1374.2	1452.6
32.0	1360.8	1386.0	1395.2	1386.0	1360.8	1361.8	1440.8
32.5	1350.2	1376.4	1386.8	1376.4	1350.2	1349.8	1429.0
33.0	1338.8	1367.4	1376.8	1367.4	1338.8	1337.6	1416.4
33.5	1328.2	1358.0	1368.6	1358.0	1328.2	1325.4	1403.6
34.0	1317.8	1348.6	1360.0	1348.6	1317.8	1312.6	1392.6
34.5	1306.8	1339.6	1352.2	1339.6	1306.8	1299.6	1381.4
35.0	1295.2	1330.0	1343.6	1330.0	1295.2	1286.6	1367.8
35.5	1284.4	1321.0	1334.4	1321.0	1284.4	1274.8	1355.8
36.0	1273.6	1310.8	1326.2	1310.8	1273.6	1261.6	1342.8
36.5	1262.0	1301.6	1317.2	1301.6	1262.0	1248.4	1330.4
37.0	1251.0	1292.4	1308.8	1292.4	1251.0	1235.6	1317.4
37.5	1240.8	1283.2	1299.6	1283.2	1240.8	1223.2	1305.0
38.0	1229.0	1274.0	1290.4	1274.0	1229.0	1210.2	1292.8
38.5	1217.8	1264.0	1280.8	1264.0	1217.8	1196.4	1280.4
39.0	1207.0	1254.6	1271.8	1254.6	1207.0	1183.6	1267.2
39.5	1194.8	1244.6	1261.8	1244.6	1194.8	1170.4	1254.0
40.0	1184.0	1235.0	1252.8	1235.0	1184.0	1158.2	1240.8

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CANDELA TABULATION - (Cont.)

40.5	1173.4	1225.4	1243.4	1225.4	1173.4	1144.6	1226.8
41.0	1162.0	1215.6	1233.4	1215.6	1162.0	1132.2	1213.2
41.5	1150.6	1206.0	1224.6	1206.0	1150.6	1119.4	1199.0
42.0	1139.8	1195.8	1214.6	1195.8	1139.8	1106.2	1185.4
42.5	1128.4	1185.8	1204.6	1185.8	1128.4	1093.2	1171.4
43.0	1117.4	1175.6	1196.0	1175.6	1117.4	1081.0	1158.0
43.5	1106.4	1165.0	1185.4	1165.0	1106.4	1067.6	1144.6
44.0	1095.2	1155.2	1176.0	1155.2	1095.2	1055.0	1130.8
44.5	1084.6	1145.2	1166.0	1145.2	1084.6	1042.4	1117.6
45.0	1074.0	1135.2	1156.0	1135.2	1074.0	1029.6	1103.6
45.5	1062.8	1125.0	1147.2	1125.0	1062.8	1016.8	1089.2
46.0	1052.0	1114.2	1139.2	1114.2	1052.0	1004.0	1075.6
46.5	1040.6	1104.4	1131.0	1104.4	1040.6	990.8	1060.6
47.0	1029.4	1094.0	1123.2	1094.0	1029.4	977.8	1047.0
47.5	1018.4	1083.6	1115.2	1083.6	1018.4	965.2	1032.6
48.0	1007.4	1074.2	1106.4	1074.2	1007.4	952.0	1019.0
48.5	996.8	1065.2	1099.4	1065.2	996.8	938.4	1005.2
49.0	985.2	1057.0	1091.2	1057.0	985.2	925.6	991.6
49.5	973.4	1047.8	1082.4	1047.8	973.4	912.4	978.0
50.0	962.0	1038.8	1074.4	1038.8	962.0	898.8	963.4
50.5	950.8	1030.4	1065.8	1030.4	950.8	886.2	949.4
51.0	939.0	1022.0	1057.6	1022.0	939.0	873.0	935.2
51.5	927.8	1013.0	1048.4	1013.0	927.8	860.2	921.2
52.0	916.2	1004.2	1040.6	1004.2	916.2	847.6	906.8
52.5	904.6	995.0	1032.0	995.0	904.6	834.0	892.6
53.0	893.4	986.2	1023.8	986.2	893.4	821.2	878.4
53.5	881.8	977.2	1016.0	977.2	881.8	808.4	864.8
54.0	870.2	968.8	1007.6	968.8	870.2	796.4	851.0
54.5	859.2	960.0	999.4	960.0	859.2	784.4	837.6
55.0	848.0	951.4	990.8	951.4	848.0	772.0	823.4
55.5	838.2	942.8	983.2	942.8	838.2	759.8	809.4
56.0	829.2	934.4	974.4	934.4	829.2	746.8	795.6
56.5	819.2	926.0	966.8	926.0	819.2	734.4	781.2
57.0	809.6	916.6	958.6	916.6	809.6	722.8	767.2
57.5	799.8	907.8	950.4	907.8	799.8	710.6	753.2
58.0	790.2	899.8	941.8	899.8	790.2	698.6	738.8
58.5	781.2	890.8	933.0	890.8	781.2	686.6	725.2
59.0	771.4	882.0	925.0	882.0	771.4	674.6	711.4
59.5	761.4	873.4	915.8	873.4	761.4	661.8	697.6
60.0	752.2	864.6	908.0	864.6	752.2	650.0	683.8
60.5	742.0	856.0	898.8	856.0	742.0	638.2	669.8
61.0	732.8	846.8	889.6	846.8	732.8	626.2	655.8
61.5	723.4	838.2	882.0	838.2	723.4	614.0	641.4
62.0	713.8	829.4	873.8	829.4	713.8	602.0	626.2
62.5	704.8	821.2	866.2	821.2	704.8	589.2	612.0
63.0	694.8	812.4	859.0	812.4	694.8	577.4	597.6
63.5	685.2	804.0	851.8	804.0	685.2	565.2	583.8
64.0	676.4	795.8	844.6	795.8	676.4	553.6	570.0
64.5	667.2	788.0	837.0	788.0	667.2	541.6	556.4
65.0	658.0	780.4	830.4	780.4	658.0	529.6	542.4
65.5	648.4	773.0	822.8	773.0	648.4	517.0	528.4
66.0	639.4	765.4	817.0	765.4	639.4	504.8	514.4
66.5	629.8	758.0	810.0	758.0	629.8	493.0	500.2
67.0	620.8	750.6	803.2	750.6	620.8	480.8	486.6
67.5	611.8	743.8	796.6	743.8	611.8	469.8	472.4
68.0	603.0	736.4	790.8	736.4	603.0	458.0	458.6

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CANDELA TABULATION - (Cont.)

68.5	594.0	730.0	784.2	730.0	594.0	446.4	444.6
69.0	584.8	723.0	777.4	723.0	584.8	435.2	431.4
69.5	576.0	716.6	771.4	716.6	576.0	424.8	418.0
70.0	567.8	710.2	765.2	710.2	567.8	414.8	404.8
70.5	559.8	703.6	758.8	703.6	559.8	405.6	391.6
71.0	552.4	697.6	752.8	697.6	552.4	395.4	378.2
71.5	544.6	691.6	747.2	691.6	544.6	385.6	365.0
72.0	537.0	685.4	741.8	685.4	537.0	376.2	351.8
72.5	530.0	679.6	735.8	679.6	530.0	366.2	338.4
73.0	523.0	673.4	730.2	673.4	523.0	357.0	325.8
73.5	515.4	668.0	724.2	668.0	515.4	347.2	313.0
74.0	509.2	662.0	718.8	662.0	509.2	338.2	300.2
74.5	502.6	656.6	713.8	656.6	502.6	329.0	287.8
75.0	496.0	651.4	708.4	651.4	496.0	319.6	275.8
75.5	489.8	645.4	702.8	645.4	489.8	310.6	263.6
76.0	483.8	640.2	697.4	640.2	483.8	301.6	251.4
76.5	477.6	634.6	692.2	634.6	477.6	293.2	239.6
77.0	471.8	629.8	687.2	629.8	471.8	284.8	227.8
77.5	466.0	624.8	682.4	624.8	466.0	276.4	216.0
78.0	460.2	619.6	677.0	619.6	460.2	268.2	204.2
78.5	454.4	614.4	672.8	614.4	454.4	260.2	192.6
79.0	449.2	610.2	667.6	610.2	449.2	253.0	181.2
79.5	444.2	605.4	663.6	605.4	444.2	246.0	170.2
80.0	439.6	600.6	658.6	600.6	439.6	239.6	159.4
80.5	434.2	595.4	654.4	595.4	434.2	233.0	148.8
81.0	429.6	591.2	650.2	591.2	429.6	226.4	138.4
81.5	425.0	586.8	645.4	586.8	425.0	220.2	128.2
82.0	420.6	582.2	641.0	582.2	420.6	214.0	118.2
82.5	416.2	578.4	636.4	578.4	416.2	208.4	108.4
83.0	412.0	574.0	632.0	574.0	412.0	203.0	98.8
83.5	407.0	569.4	628.4	569.4	407.0	198.0	89.6
84.0	403.0	565.8	624.6	565.8	403.0	193.2	81.0
84.5	399.0	561.2	620.6	561.2	399.0	188.6	72.8
85.0	394.4	557.4	617.4	557.4	394.4	184.4	65.2
85.5	391.2	553.4	613.6	553.4	391.2	180.6	58.0
86.0	387.6	550.6	610.4	550.6	387.6	177.0	51.2
86.5	384.6	547.2	607.2	547.2	384.6	173.6	44.8
87.0	381.4	544.0	603.6	544.0	381.4	170.6	39.2
87.5	378.6	541.4	600.6	541.4	378.6	168.0	34.0
88.0	376.0	538.6	597.6	538.6	376.0	165.8	30.0
88.5	374.2	536.4	595.8	536.4	374.2	164.0	26.6
89.0	372.4	534.2	593.2	534.2	372.4	162.6	24.2
89.5	371.0	533.0	591.6	533.0	371.0	161.8	22.4
90.0	370.2	531.8	589.8	531.8	370.2	161.4	21.4
90.5	365.6	525.0	581.8	525.0	365.6	160.4	19.2
91.0	367.0	526.4	583.0	526.4	367.0	161.8	20.6
91.5	368.6	528.2	584.8	528.2	368.6	163.6	22.8
92.0	371.0	529.8	586.8	529.8	371.0	166.0	25.6
92.5	373.2	532.4	589.2	532.4	373.2	168.8	29.0
93.0	376.0	535.0	592.2	535.0	376.0	171.8	33.0
93.5	379.0	538.2	594.6	538.2	379.0	175.2	37.4
94.0	382.6	541.4	598.2	541.4	382.6	178.8	42.6
94.5	385.8	544.4	601.4	544.4	385.8	182.8	48.6
95.0	389.6	548.2	605.4	548.2	389.6	187.0	55.4
95.5	393.2	552.0	609.0	552.0	393.2	191.6	62.6
96.0	397.6	555.6	612.6	555.6	397.6	196.4	70.2

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CANDELA TABULATION - (Cont.)

96.5	401.6	559.8	616.6	559.8	401.6	202.0	78.4
97.0	406.0	563.8	621.4	563.8	406.0	207.4	86.8
97.5	410.8	568.2	625.2	568.2	410.8	213.4	95.6
98.0	415.2	572.2	630.6	572.2	415.2	219.4	104.6
98.5	420.0	577.0	634.6	577.0	420.0	225.8	113.8
99.0	425.4	581.4	639.4	581.4	425.4	232.0	123.6
99.5	430.6	585.8	644.4	585.8	430.6	239.2	133.4
100.0	435.6	590.4	648.8	590.4	435.6	246.8	143.6
100.5	441.0	594.8	653.8	594.8	441.0	253.6	154.0
101.0	446.6	600.2	658.4	600.2	446.6	260.6	164.6
101.5	452.4	605.2	663.8	605.2	452.4	269.2	175.6
102.0	458.4	610.4	668.6	610.4	458.4	277.4	186.6
102.5	464.2	615.8	673.8	615.8	464.2	285.2	198.0
103.0	470.6	621.2	679.2	621.2	470.6	293.2	209.8
103.5	476.8	626.8	684.8	626.8	476.8	302.0	221.4
104.0	483.2	632.2	690.0	632.2	483.2	310.2	233.0
104.5	489.8	638.6	695.6	638.6	489.8	318.2	244.2
105.0	496.6	644.0	700.4	644.0	496.6	326.6	256.0
105.5	503.0	650.0	706.6	650.0	503.0	335.2	268.4
106.0	510.2	656.0	711.6	656.0	510.2	343.6	281.2
106.5	517.2	662.2	717.0	662.2	517.2	351.6	293.6
107.0	524.4	668.2	722.4	668.2	524.4	360.8	306.8
107.5	531.4	674.4	728.6	674.4	531.4	370.2	319.8
108.0	538.4	680.4	733.8	680.4	538.4	378.6	332.4
108.5	546.2	687.2	740.2	687.2	546.2	387.0	345.4
109.0	553.6	693.6	746.4	693.6	553.6	396.8	358.6
109.5	561.8	700.0	752.0	700.0	561.8	406.2	371.2
110.0	569.2	706.0	758.0	706.0	569.2	415.6	384.2
110.5	577.6	712.6	764.2	712.6	577.6	425.6	398.0
111.0	585.6	719.2	770.4	719.2	585.6	436.2	411.2
111.5	594.0	726.0	776.8	726.0	594.0	446.4	424.6
112.0	602.2	732.8	783.8	732.8	602.2	456.8	438.0
112.5	611.2	739.4	789.8	739.4	611.2	467.6	451.6
113.0	620.2	746.4	796.4	746.4	620.2	478.6	465.4
113.5	629.0	753.8	803.4	753.8	629.0	489.4	478.8
114.0	637.6	760.4	810.2	760.4	637.6	500.8	492.6
114.5	646.4	767.8	817.0	767.8	646.4	512.0	505.8
115.0	655.6	775.2	823.8	775.2	655.6	523.2	519.8
115.5	664.0	782.8	830.4	782.8	664.0	534.8	533.6
116.0	672.6	790.6	838.4	790.6	672.6	546.2	547.6
116.5	681.8	799.0	846.4	799.0	681.8	558.2	561.2
117.0	691.0	807.0	853.2	807.0	691.0	569.8	574.8
117.5	699.6	815.6	861.0	815.6	699.6	582.4	588.6
118.0	709.2	823.6	869.2	823.6	709.2	594.4	602.6
118.5	718.4	832.6	877.2	832.6	718.4	606.0	616.2
119.0	727.4	842.2	885.4	842.2	727.4	618.2	630.4
119.5	736.4	850.8	893.6	850.8	736.4	630.6	644.0
120.0	746.0	860.0	902.2	860.0	746.0	642.8	657.8
120.5	755.6	868.8	910.6	868.8	755.6	655.2	671.8
121.0	765.0	877.6	919.2	877.6	765.0	667.2	685.4
121.5	774.4	886.4	927.6	886.4	774.4	679.8	699.4
122.0	783.6	894.6	935.8	894.6	783.6	691.8	713.4
122.5	793.0	903.6	944.6	903.6	793.0	704.4	727.0
123.0	802.8	912.0	953.4	912.0	802.8	716.8	740.6
123.5	813.2	920.6	961.2	920.6	813.2	729.6	754.4
124.0	823.8	928.8	970.2	928.8	823.8	741.4	768.0

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CANDELA TABULATION - (Cont.)

124.5	834.4	937.6	978.4	937.6	834.4	753.8	782.0
125.0	845.4	946.2	986.4	946.2	845.4	766.6	795.8
125.5	855.8	954.4	994.0	954.4	855.8	779.4	809.6
126.0	866.2	963.0	1001.8	963.0	866.2	791.2	822.8
126.5	877.4	971.6	1010.2	971.6	877.4	804.0	836.6
127.0	888.2	980.0	1018.4	980.0	888.2	816.8	850.4
127.5	898.8	988.0	1026.4	988.0	898.8	829.0	863.6
128.0	909.0	995.6	1034.8	995.6	909.0	841.8	877.4
128.5	920.2	1004.6	1042.6	1004.6	920.2	854.2	891.2
129.0	931.0	1012.8	1051.0	1012.8	931.0	866.8	904.4
129.5	941.4	1020.0	1058.0	1020.0	941.4	879.8	918.0
130.0	952.2	1029.2	1066.2	1029.2	952.2	892.2	931.0
130.5	963.0	1038.0	1074.4	1038.0	963.0	905.2	944.6
131.0	974.0	1047.6	1081.4	1047.6	974.0	917.8	958.4
131.5	984.8	1057.2	1089.0	1057.2	984.8	930.0	971.8
132.0	995.8	1066.6	1096.6	1066.6	995.8	943.0	985.0
132.5	1007.0	1076.8	1105.0	1076.8	1007.0	956.0	999.4
133.0	1018.2	1086.6	1115.2	1086.6	1018.2	968.4	1012.4
133.5	1029.4	1096.2	1123.8	1096.2	1029.4	982.0	1025.8
134.0	1040.8	1105.6	1133.6	1105.6	1040.8	994.6	1039.2
134.5	1052.0	1115.4	1143.2	1115.4	1052.0	1007.2	1053.2
135.0	1063.2	1125.4	1151.8	1125.4	1063.2	1020.0	1066.6
135.5	1074.4	1135.0	1161.4	1135.0	1074.4	1032.8	1080.0
136.0	1085.4	1145.0	1171.0	1145.0	1085.4	1045.4	1094.2
136.5	1096.8	1154.2	1179.8	1154.2	1096.8	1058.4	1107.6
137.0	1108.0	1163.8	1189.2	1163.8	1108.0	1071.2	1120.8
137.5	1119.4	1173.4	1199.0	1173.4	1119.4	1084.4	1135.0
138.0	1130.4	1183.2	1208.0	1183.2	1130.4	1097.4	1148.2
138.5	1141.6	1193.0	1215.6	1193.0	1141.6	1110.0	1162.0
139.0	1152.8	1202.8	1225.2	1202.8	1152.8	1123.2	1175.2
139.5	1163.8	1212.6	1234.8	1212.6	1163.8	1135.8	1188.4
140.0	1174.6	1222.0	1243.0	1222.0	1174.6	1149.2	1202.0
140.5	1186.0	1231.8	1253.0	1231.8	1186.0	1162.2	1215.4
141.0	1196.8	1241.6	1262.4	1241.6	1196.8	1175.0	1229.2
141.5	1208.2	1251.2	1271.6	1251.2	1208.2	1187.4	1242.0
142.0	1219.4	1260.8	1280.4	1260.8	1219.4	1200.0	1255.4
142.5	1230.4	1270.4	1290.0	1270.4	1230.4	1213.4	1268.4
143.0	1242.0	1280.0	1298.6	1280.0	1242.0	1226.0	1281.4
143.5	1252.4	1289.2	1308.2	1289.2	1252.4	1238.4	1295.2
144.0	1262.8	1298.4	1316.4	1298.4	1262.8	1250.8	1307.4
144.5	1274.0	1308.2	1325.2	1308.2	1274.0	1263.8	1320.2
145.0	1285.4	1317.8	1335.2	1317.8	1285.4	1276.8	1332.8
145.5	1296.8	1327.6	1344.4	1327.6	1296.8	1289.0	1345.2
146.0	1307.4	1336.6	1353.8	1336.6	1307.4	1301.8	1357.8
146.5	1317.6	1346.0	1362.6	1346.0	1317.6	1314.0	1369.8
147.0	1328.4	1354.8	1370.8	1354.8	1328.4	1326.2	1382.2
147.5	1339.0	1364.2	1380.4	1364.2	1339.0	1338.8	1393.6
148.0	1350.2	1373.6	1388.8	1373.6	1350.2	1350.6	1404.8
148.5	1360.6	1382.6	1397.0	1382.6	1360.6	1362.6	1417.2
149.0	1371.4	1392.2	1405.8	1392.2	1371.4	1374.6	1428.6
149.5	1382.2	1402.0	1414.0	1402.0	1382.2	1385.6	1440.2
150.0	1392.2	1410.6	1422.8	1410.6	1392.2	1398.0	1451.2
150.5	1402.8	1420.6	1431.0	1420.6	1402.8	1409.0	1463.2
151.0	1413.6	1429.0	1439.4	1429.0	1413.6	1420.8	1473.6
151.5	1423.8	1438.0	1447.8	1438.0	1423.8	1432.2	1484.6
152.0	1433.4	1446.4	1456.4	1446.4	1433.4	1443.2	1495.8

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CANDELA TABULATION - (Cont.)

152.5	1444.0	1456.4	1463.8	1456.4	1444.0	1454.0	1507.0
153.0	1454.0	1464.2	1473.4	1464.2	1454.0	1465.0	1517.6
153.5	1464.6	1473.6	1481.2	1473.6	1464.6	1476.2	1528.4
154.0	1474.0	1483.0	1489.4	1483.0	1474.0	1487.0	1539.2
154.5	1484.2	1491.6	1497.2	1491.6	1484.2	1498.0	1548.8
155.0	1494.0	1500.0	1506.2	1500.0	1494.0	1508.2	1559.0
155.5	1503.0	1509.0	1514.6	1509.0	1503.0	1518.6	1570.2
156.0	1513.4	1518.4	1522.8	1518.4	1513.4	1528.2	1578.2
156.5	1523.0	1525.8	1530.8	1525.8	1523.0	1539.0	1589.6
157.0	1531.8	1535.2	1538.6	1535.2	1531.8	1549.4	1598.8
157.5	1541.8	1543.2	1546.0	1543.2	1541.8	1561.6	1610.4
158.0	1550.8	1551.8	1557.0	1551.8	1550.8	1569.4	1618.4
158.5	1559.6	1559.6	1564.4	1559.6	1559.6	1579.2	1627.8
159.0	1570.0	1567.8	1572.6	1567.8	1570.0	1590.2	1635.8
159.5	1578.0	1577.2	1581.6	1577.2	1578.0	1596.8	1644.8
160.0	1586.6	1586.6	1588.2	1586.6	1586.6	1609.4	1654.6
160.5	1596.0	1592.6	1595.4	1592.6	1596.0	1618.2	1663.0
161.0	1606.6	1602.4	1602.6	1602.4	1606.6	1628.6	1670.6
161.5	1615.0	1609.6	1612.2	1609.6	1615.0	1636.8	1679.0
162.0	1623.0	1616.8	1619.6	1616.8	1623.0	1644.8	1688.4
162.5	1632.6	1626.4	1627.4	1626.4	1632.6	1654.0	1693.0
163.0	1640.6	1634.2	1635.8	1634.2	1640.6	1661.4	1701.0
163.5	1648.0	1640.8	1642.8	1640.8	1648.0	1670.8	1708.2
164.0	1658.0	1650.4	1650.0	1650.4	1658.0	1678.2	1716.4
164.5	1666.6	1661.0	1656.2	1661.0	1666.6	1686.0	1724.2
165.0	1673.8	1665.6	1664.4	1665.6	1673.8	1694.4	1730.0
165.5	1681.4	1674.8	1675.4	1674.8	1681.4	1704.2	1737.0
166.0	1688.4	1680.6	1682.0	1680.6	1688.4	1711.0	1743.2
166.5	1696.6	1688.0	1688.2	1688.0	1696.6	1718.0	1749.2
167.0	1703.8	1695.4	1693.8	1695.4	1703.8	1726.4	1755.2
167.5	1710.2	1704.4	1706.4	1704.4	1710.2	1733.2	1761.0
168.0	1717.6	1710.8	1710.6	1710.8	1717.6	1740.0	1767.6
168.5	1725.0	1717.8	1717.4	1717.8	1725.0	1747.2	1772.4
169.0	1730.8	1724.4	1722.6	1724.4	1730.8	1752.2	1777.6
169.5	1738.0	1730.8	1733.8	1730.8	1738.0	1758.4	1783.0
170.0	1746.2	1737.4	1735.8	1737.4	1746.2	1765.2	1788.2
170.5	1751.6	1744.0	1746.2	1744.0	1751.6	1772.6	1793.2
171.0	1759.4	1751.2	1750.6	1751.2	1759.4	1777.6	1797.6
171.5	1767.0	1758.2	1757.4	1758.2	1767.0	1783.2	1801.6
172.0	1772.4	1764.8	1764.2	1764.8	1772.4	1790.0	1805.2
172.5	1778.4	1771.6	1771.4	1771.6	1778.4	1795.2	1809.6
173.0	1784.8	1776.0	1777.2	1776.0	1784.8	1800.4	1814.2
173.5	1790.4	1783.6	1783.8	1783.6	1790.4	1804.4	1815.8
174.0	1796.4	1789.8	1793.2	1789.8	1796.4	1808.8	1819.0
174.5	1802.2	1795.8	1798.8	1795.8	1802.2	1814.4	1822.6
175.0	1807.0	1801.6	1804.0	1801.6	1807.0	1817.8	1824.0
175.5	1811.8	1807.4	1807.8	1807.4	1811.8	1823.0	1826.8
176.0	1816.8	1812.4	1814.8	1812.4	1816.8	1826.0	1830.0
176.5	1820.8	1817.8	1820.2	1817.8	1820.8	1829.0	1831.6
177.0	1825.4	1822.2	1824.8	1822.2	1825.4	1832.8	1832.6
177.5	1829.2	1827.6	1829.6	1827.6	1829.2	1834.8	1833.6
178.0	1834.0	1831.8	1835.4	1831.8	1834.0	1837.8	1834.6
178.5	1838.0	1837.2	1839.8	1837.2	1838.0	1839.8	1836.8
179.0	1842.0	1841.4	1844.0	1841.4	1842.0	1843.4	1836.6
179.5	1843.4	1845.8	1849.2	1845.8	1843.4	1844.8	1837.4
180.0	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8	1847.8

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 14K 360P-4-URD-835-U10-WA.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	685.04	N.A.	4.70
0-30	1465.34	N.A.	10.00
0-40	2431.06	N.A.	16.50
0-60	4555.9	N.A.	30.90
0-80	6516.05	N.A.	44.30
0-90	7383.38	N.A.	50.20
10-90	7207.08	N.A.	49.00
20-40	1746.03	N.A.	11.90
20-50	2802.86	N.A.	19.00
40-70	3143.91	N.A.	21.40
60-80	1960.14	N.A.	13.30
70-80	941.07	N.A.	6.40
80-90	867.34	N.A.	5.90
90-110	1805.92	N.A.	12.30
90-120	2822.8	N.A.	19.20
90-130	3884.8	N.A.	26.40
90-150	5885.21	N.A.	40.00
90-180	7338.17	N.A.	49.80
110-180	5532.25	N.A.	37.60
0-180	14721.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	176.30
10-20	508.73
20-30	780.30
30-40	965.73
40-50	1056.83
50-60	1068.01
60-70	1019.07
70-80	941.07
80-90	867.34
90-100	864.64
100-110	941.28
110-120	1016.88
120-130	1062.00
130-140	1044.74
140-150	955.67
150-160	773.61
160-170	504.22
170-180	175.14

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 14K 360P-4-URD-835-U10-WA.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
	RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	95	90	85	80	87	83	78	74	69	66	63	57	55	52	46	44	42	37
2	86	77	70	64	78	71	65	59	59	54	50	49	45	42	39	36	34	29
3	78	67	59	52	71	62	54	48	52	46	41	42	38	34	34	31	28	24
4	71	59	50	43	65	54	46	40	45	39	35	37	33	29	30	26	23	20
5	65	52	43	37	59	48	40	34	40	34	29	33	28	25	27	23	20	17
6	60	47	38	32	54	43	35	30	36	30	25	30	25	21	24	20	17	14
7	55	42	33	28	50	39	31	26	33	27	22	27	22	19	22	18	15	13
8	51	38	30	24	47	35	28	23	30	24	20	25	20	17	20	16	14	11
9	47	35	27	21	43	32	25	20	27	21	17	23	18	15	18	15	12	10
10	44	32	24	19	41	29	23	18	25	19	16	21	16	13	17	14	11	9

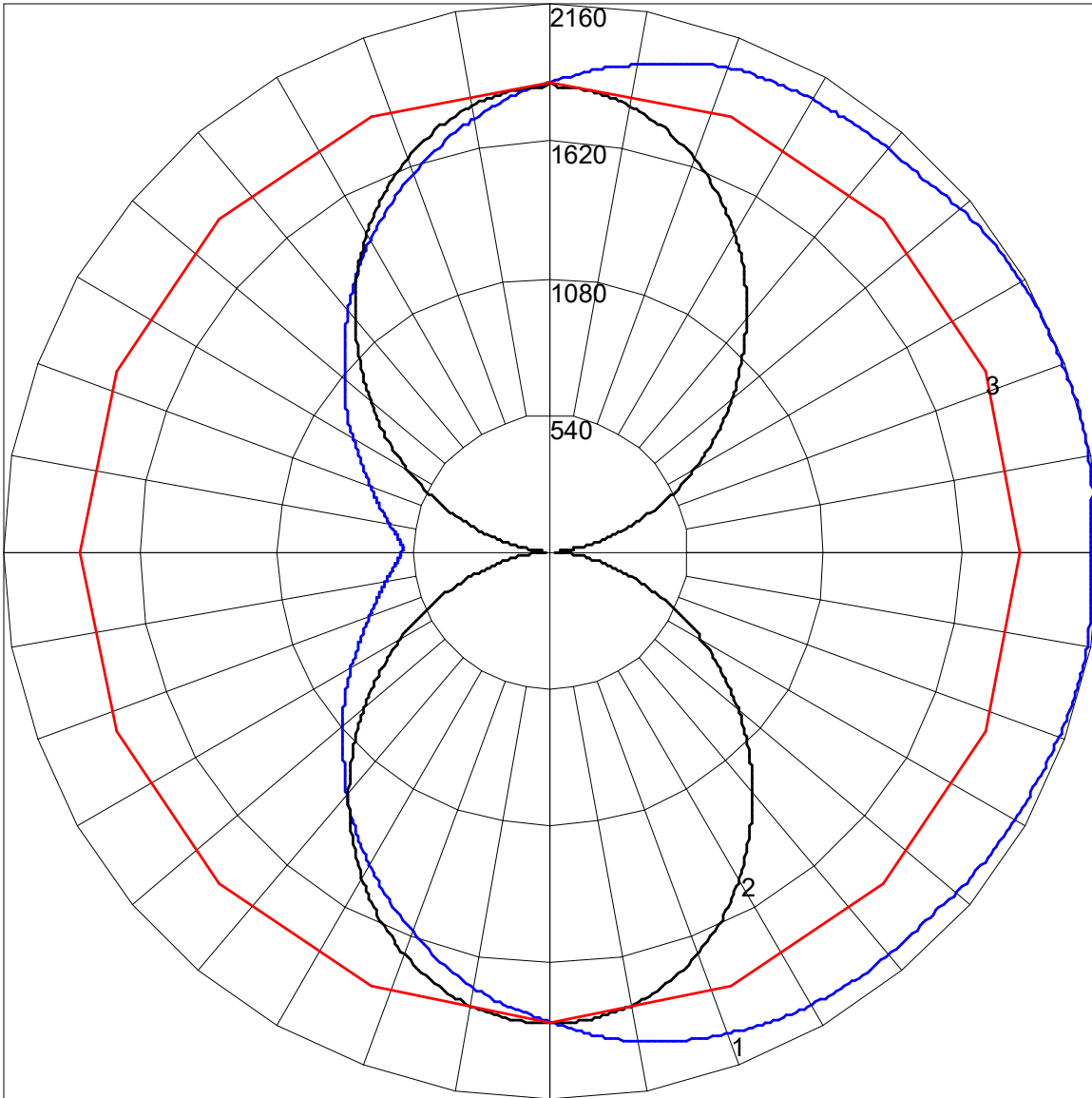
IES INDOOR REPORT
PHOTOMETRIC FILENAME : 14K 360P-4-URD-835-U10-WA.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	12.5	13.4	13.4	14.4	15.7	19.7	20.7	20.7	21.6	22.9
	3H	13.8	14.7	14.8	15.7	16.9	23.3	24.1	24.2	25.1	26.4
	4H	14.2	15.0	15.2	16.0	17.3	25.1	26.0	26.1	26.9	28.2
	6H	14.5	15.2	15.4	16.2	17.5	27.1	27.9	28.1	28.9	30.2
	8H	14.5	15.2	15.5	16.2	17.5	28.2	28.9	29.2	29.9	31.2
	12H	14.5	15.2	15.5	16.2	17.5	29.3	30.0	30.3	31.0	32.3
4H	2H	14.2	15.0	15.1	16.0	17.3	19.9	20.8	20.9	21.7	23.0
	3H	15.8	16.5	16.7	17.5	18.8	23.7	24.4	24.7	25.4	26.7
	4H	16.3	17.0	17.3	18.0	19.3	25.8	26.4	26.8	27.4	28.8
	6H	16.7	17.3	17.7	18.3	19.6	28.0	28.6	29.0	29.6	30.9
	8H	16.8	17.3	17.8	18.3	19.7	29.2	29.7	30.2	30.7	32.1
	12H	16.8	17.3	17.8	18.4	19.7	30.4	30.9	31.4	31.9	33.3
8H	4H	18.0	18.5	19.0	19.5	20.9	25.9	26.4	26.9	27.5	28.8
	6H	18.7	19.1	19.7	20.2	21.5	28.3	28.7	29.3	29.8	31.1
	8H	18.9	19.3	19.9	20.4	21.7	29.6	30.0	30.6	31.1	32.4
	12H	19.1	19.4	20.1	20.5	21.9	31.0	31.4	32.1	32.4	33.8
12H	4H	18.6	19.1	19.6	20.1	21.5	25.9	26.4	26.9	27.4	28.7
	6H	19.5	19.9	20.5	20.9	22.3	28.3	28.7	29.3	29.8	31.1
	8H	19.9	20.2	20.9	21.3	22.7	29.7	30.0	30.7	31.1	32.5

Maximum UGR = 33.8

POLAR GRAPH



Maximum Candela = 2160 Located At Horizontal Angle = 90, Vertical Angle = 101.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)
3 - Horizontal Cone Through Vertical Angle (0)