

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P947614

Luminaire Tested: **GALN-SB2D-930-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947614
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2D-930-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14106 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

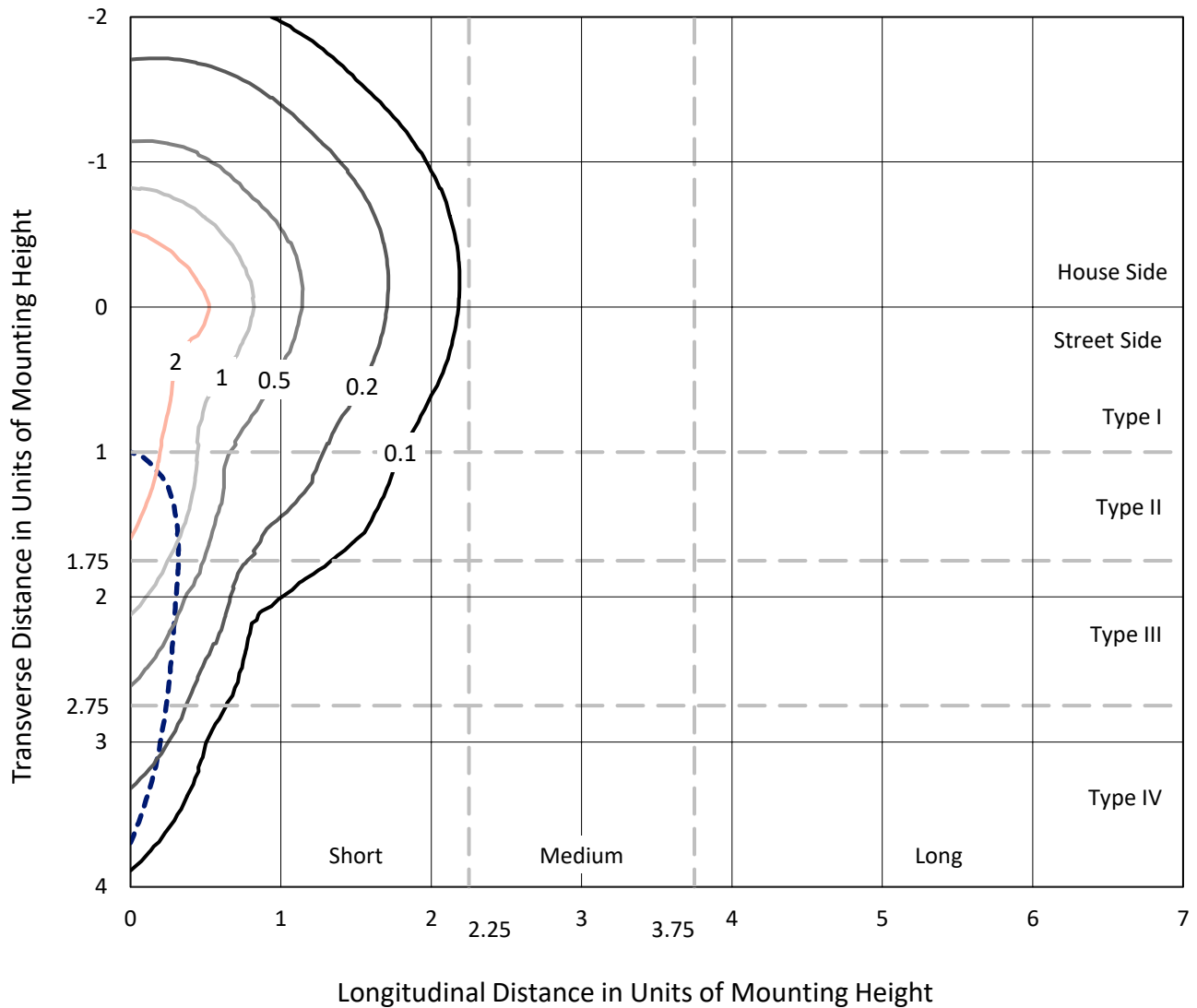
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

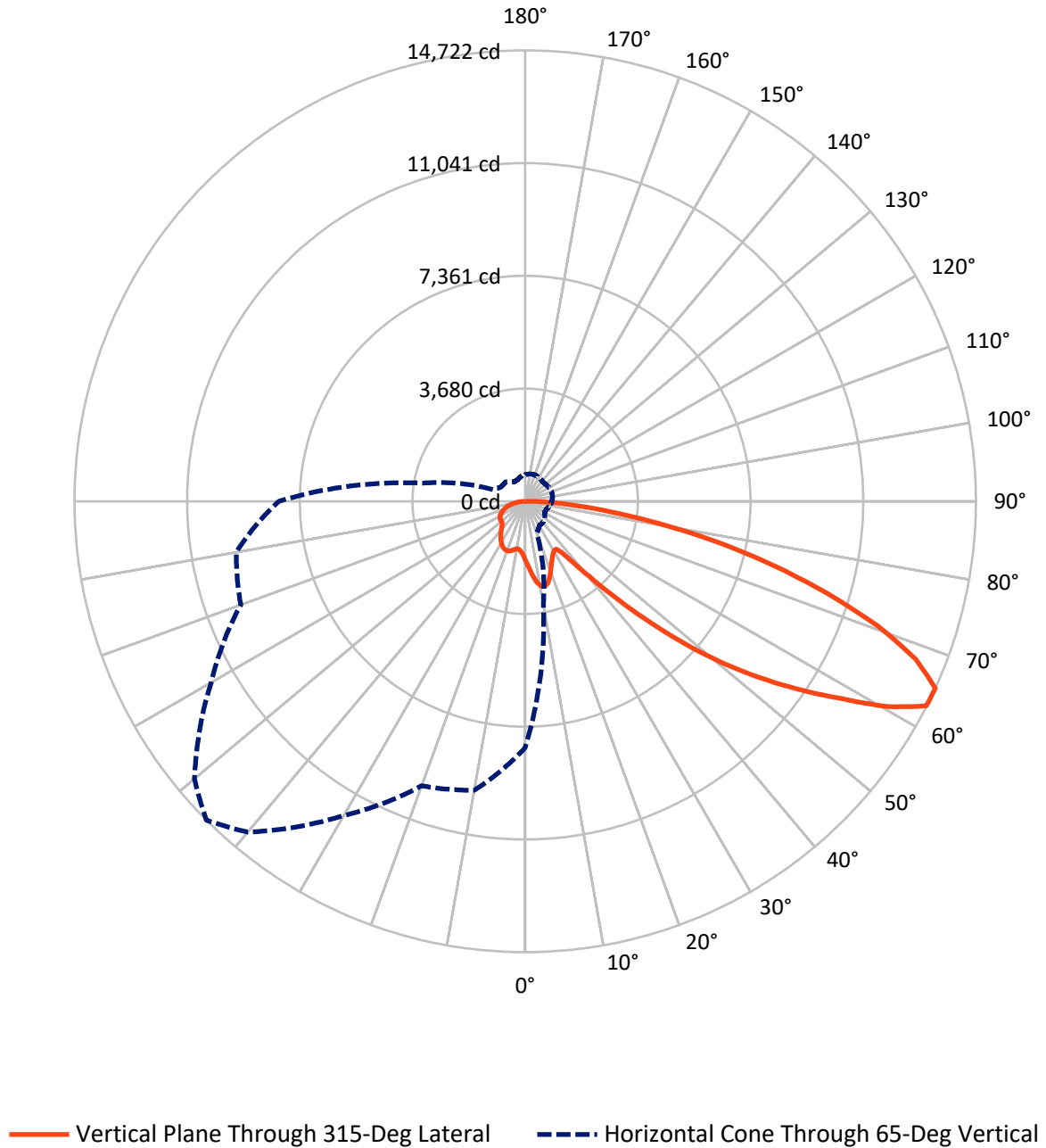
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3585.0	0.0	3585.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10521.0	0.0	10521.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	14106.0	0.0	14106.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	1.4
10°-20°	604.0	4.3
20°-30°	933.0	6.6
30°-40°	1182.4	8.4
40°-50°	1783.3	12.6
50°-60°	2881.2	20.4
60°-70°	3591.9	25.5
70°-80°	2355.4	16.7
80°-90°	582.3	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	14106.0	100.0
0°-180°	14106.0	100.0



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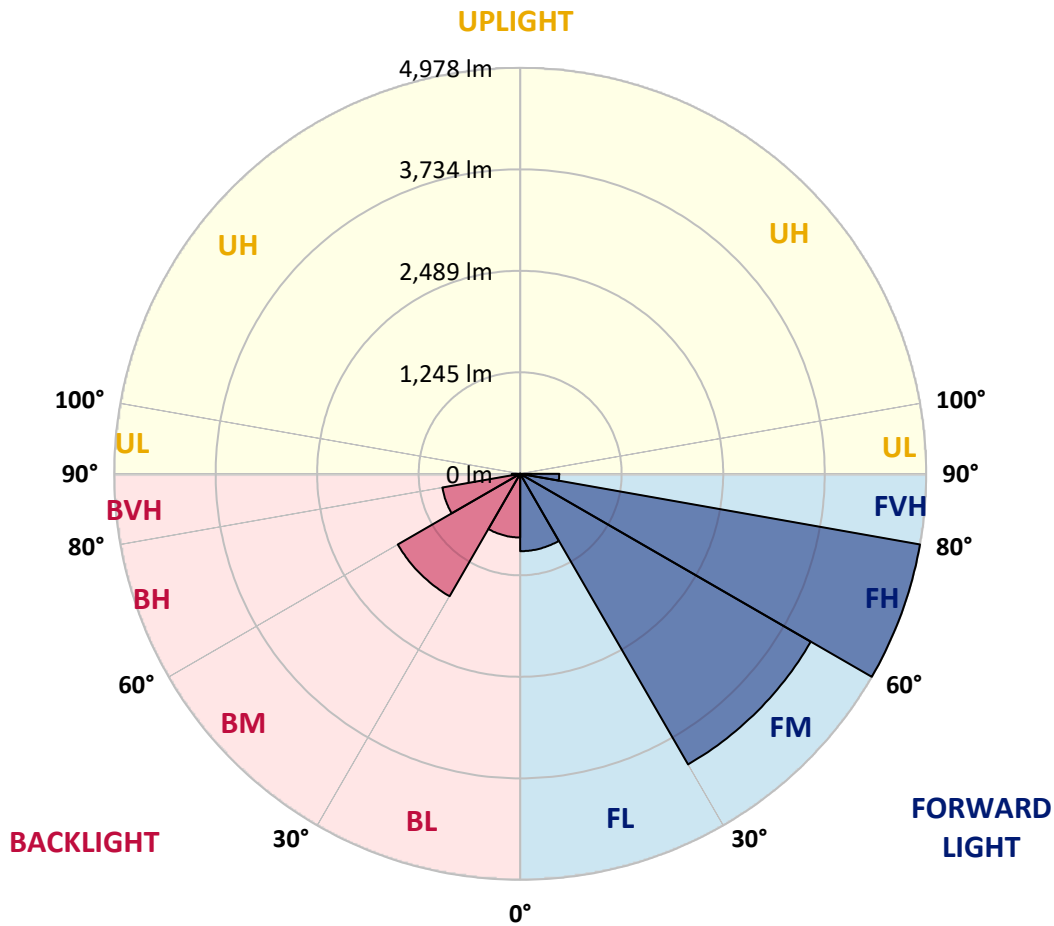
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.8	6.7			
FM (30°-60°)	4114.4	29.2			
FH (60°-80°)	4978.1	35.3			G2/5000
FVH (80°-90°)	479.7	3.4			G3/500
BL (0°-30°)	780.7	5.5	B2/1000		
BM (30°-60°)	1732.5	12.3	B2/2500		
BH (60°-80°)	969.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	102.6	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2.5°	2086.0	2070.0	2053.9	2036.9	2019.9	2002.8	1985.7	1969.3	1952.9	1937.1
5°	2243.0	2207.7	2172.3	2137.0	2101.8	2066.3	2030.9	1997.8	1964.6	1933.4
7.5°	2400.8	2342.4	2284.2	2230.3	2176.4	2123.9	2071.4	2025.2	1979.0	1936.3
10°	2521.8	2448.0	2374.2	2303.0	2231.8	2168.1	2104.3	2049.7	1994.9	1942.3
12.5°	2595.8	2514.8	2433.8	2353.1	2272.4	2197.2	2122.1	2060.2	1998.3	1943.0
15°	2640.8	2556.4	2471.9	2384.4	2296.8	2210.3	2123.7	2052.1	1980.5	1919.2
17.5°	2666.2	2580.5	2494.8	2399.3	2303.8	2203.3	2102.9	2016.7	1930.6	1858.6
20°	2694.1	2605.0	2515.9	2411.0	2306.1	2184.3	2062.5	1955.8	1849.0	1765.2
22.5°	2726.4	2635.5	2544.5	2426.8	2309.0	2160.9	2012.8	1884.2	1755.7	1660.2
25°	2768.1	2679.0	2589.9	2455.4	2320.8	2137.8	1955.0	1804.4	1653.9	1556.0
27.5°	2824.7	2739.7	2654.6	2500.0	2345.4	2122.4	1899.5	1731.4	1563.2	1474.1
30°	2901.0	2818.8	2736.7	2557.9	2379.0	2115.2	1851.3	1670.3	1489.4	1414.6
32.5°	2991.0	2909.7	2828.4	2618.2	2408.0	2106.3	1804.4	1617.7	1431.0	1370.7
35°	3100.5	3022.6	2944.7	2687.0	2429.3	2089.5	1749.7	1566.0	1382.2	1332.0
37.5°	3284.7	3185.4	3086.1	2764.0	2442.0	2060.6	1679.3	1505.1	1330.8	1286.9
40°	3563.1	3418.4	3273.7	2861.8	2449.9	2021.0	1592.1	1432.4	1272.8	1233.0
42.5°	3932.2	3723.4	3514.5	2989.8	2465.0	1980.0	1495.2	1352.3	1209.4	1172.7
45°	4388.1	4106.4	3824.7	3158.1	2491.6	1942.0	1392.5	1267.1	1141.8	1104.6
47.5°	4958.3	4561.8	4165.2	3337.5	2509.8	1910.6	1311.3	1199.8	1088.2	1040.2
50°	5705.6	5107.8	4510.0	3504.0	2497.9	1876.4	1254.8	1155.0	1055.3	992.2
52.5°	6563.4	5681.4	4799.4	3612.0	2424.6	1818.5	1212.5	1125.6	1038.7	966.1
55°	7476.7	6189.9	4903.2	3588.2	2273.2	1722.7	1172.2	1104.2	1036.2	968.7
57.5°	8307.3	6550.3	4793.3	3420.6	2048.0	1587.5	1126.9	1078.9	1030.9	971.3
60°	8809.4	6640.4	4471.3	3108.7	1746.0	1412.0	1077.9	1040.2	1002.4	963.1
62.5°	8554.5	6261.1	3967.8	2686.8	1405.9	1201.9	998.0	972.9	947.9	943.1
65°	8044.2	5724.6	3404.9	2256.5	1108.1	1012.9	917.7	905.9	894.1	894.7
67.5°	7360.6	5086.0	2811.4	1834.9	858.3	831.3	804.2	810.9	817.4	815.8
70°	6539.2	4389.3	2239.3	1444.7	650.2	657.9	665.6	696.2	726.8	726.8
72.5°	5560.4	3633.9	1707.5	1104.5	501.5	524.8	548.2	591.7	635.1	642.3
75°	4322.3	2768.0	1213.8	801.6	389.4	410.6	431.7	480.4	529.1	562.7
77.5°	3088.2	1937.4	786.6	543.2	299.8	314.2	328.6	375.9	423.1	478.6
80°	2021.2	1248.2	475.2	350.0	224.8	230.7	236.7	276.7	316.7	383.0
82.5°	1174.9	722.4	270.0	215.3	160.6	161.7	162.9	192.3	221.8	278.4
85°	516.9	325.0	133.1	115.1	97.1	96.6	96.0	117.6	139.2	181.2
87.5°	160.0	106.4	52.8	47.7	42.6	42.1	41.5	50.3	59.2	76.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1919.5	2.5°	1905.2	1890.9	1878.1	1865.3	1854.0	1842.8	1831.5	1820.2	1811.5	1802.7
1902.5	5°	1875.5	1848.5	1825.9	1803.3	1783.4	1763.4	1745.4	1727.2	1713.3	1699.3
1896.4	7.5°	1860.5	1824.7	1794.9	1765.2	1740.1	1714.9	1692.7	1670.6	1654.0	1637.5
1899.4	10°	1861.5	1823.7	1794.0	1764.2	1737.2	1710.1	1685.1	1660.2	1640.4	1620.5
1903.1	12.5°	1872.1	1841.3	1821.5	1801.8	1780.6	1759.4	1733.6	1707.8	1682.5	1657.2
1887.2	15°	1872.4	1857.7	1860.4	1863.0	1857.5	1852.0	1829.6	1807.2	1771.2	1735.2
1838.8	17.5°	1844.3	1849.6	1882.1	1914.5	1931.8	1949.0	1930.9	1912.9	1865.2	1817.5
1759.9	20°	1785.3	1810.6	1866.9	1923.3	1959.4	1995.5	1987.2	1978.8	1924.2	1869.7
1670.4	22.5°	1707.8	1745.3	1809.6	1874.0	1921.0	1968.0	1973.0	1978.0	1925.9	1873.8
1583.5	25°	1626.7	1669.9	1727.7	1785.6	1831.8	1878.1	1895.3	1912.5	1869.8	1827.2
1507.6	27.5°	1549.3	1591.0	1638.5	1686.0	1723.1	1760.2	1779.4	1798.6	1768.2	1737.8
1440.9	30°	1473.9	1507.1	1546.5	1586.0	1616.7	1647.6	1663.2	1678.8	1655.7	1632.4
1382.4	32.5°	1401.9	1421.5	1453.0	1484.5	1514.0	1543.6	1560.9	1578.3	1557.0	1535.7
1327.1	35°	1332.5	1337.9	1362.0	1385.9	1415.1	1444.4	1465.2	1486.0	1470.8	1455.7
1269.2	37.5°	1263.3	1257.3	1274.6	1291.8	1320.9	1350.0	1375.8	1401.6	1394.6	1387.6
1205.8	40°	1192.3	1178.9	1191.3	1203.7	1231.8	1260.0	1289.6	1319.3	1321.0	1322.7
1138.4	42.5°	1120.6	1102.7	1112.8	1123.0	1149.7	1176.4	1208.4	1240.4	1249.0	1257.5
1071.4	45°	1054.0	1036.7	1045.2	1053.8	1079.1	1104.4	1137.6	1170.8	1183.1	1195.4
1011.7	47.5°	997.1	982.5	990.5	998.5	1023.3	1048.0	1080.8	1113.5	1127.6	1141.8
959.1	50°	946.1	933.2	945.7	958.3	981.7	1005.0	1034.3	1063.6	1081.8	1100.0
919.8	52.5°	907.0	894.3	913.1	931.9	953.3	974.7	1002.0	1029.4	1050.9	1072.4
899.0	55°	878.7	858.6	885.3	911.9	935.0	958.1	982.1	1005.9	1028.7	1051.6
886.5	57.5°	857.0	827.5	856.3	885.0	912.1	939.2	962.9	986.6	1009.6	1032.5
874.7	60°	836.5	798.3	823.5	848.7	879.8	910.9	934.9	959.1	982.1	1005.2
861.0	62.5°	813.2	765.5	781.5	797.5	833.8	870.1	895.8	921.5	942.6	963.7
832.1	65°	781.4	730.5	736.7	742.8	781.7	820.6	845.2	869.7	888.3	907.0
780.6	67.5°	738.4	696.1	694.2	692.2	728.1	764.0	787.3	810.6	826.6	842.7
715.3	70°	685.2	655.1	648.5	641.8	673.3	704.9	725.0	745.1	759.6	774.1
642.5	72.5°	621.9	601.3	591.4	581.7	606.5	631.3	649.5	667.7	681.9	696.1
559.9	75°	544.0	528.1	518.7	509.3	527.7	546.2	562.6	579.1	592.0	605.0
477.1	77.5°	464.4	451.7	442.1	432.6	447.6	462.6	476.7	490.9	504.5	518.0
382.7	80°	372.1	361.4	353.4	345.4	357.9	370.3	382.2	394.1	404.5	414.7
281.5	82.5°	276.3	271.1	265.4	259.8	258.7	257.7	253.5	249.3	271.4	293.4
185.3	85°	179.8	174.2	167.8	161.5	156.2	150.7	139.2	127.7	148.3	169.0
81.9	87.5°	79.6	77.4	76.2	75.0	74.8	74.6	65.8	56.9	65.6	74.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1795.7	2.5°	1788.6	1783.1	1777.6	1772.5	1767.4	1761.1	1767.4	1772.5	1777.6	1783.1
1689.5	5°	1679.8	1672.9	1665.9	1660.7	1655.4	1650.2	1655.4	1660.7	1665.9	1672.9
1625.9	7.5°	1614.3	1606.3	1598.4	1593.7	1589.0	1585.4	1589.0	1593.7	1598.4	1606.3
1607.6	10°	1594.5	1587.0	1579.4	1575.4	1571.4	1569.8	1571.4	1575.4	1579.4	1587.0
1640.5	12.5°	1623.7	1615.3	1607.0	1603.6	1600.1	1599.5	1600.1	1603.6	1607.0	1615.3
1709.7	15°	1684.2	1672.6	1660.9	1656.5	1652.0	1651.6	1652.0	1656.5	1660.9	1672.6
1780.0	17.5°	1742.5	1725.2	1707.8	1702.2	1696.5	1695.6	1696.5	1702.2	1707.8	1725.2
1823.7	20°	1777.8	1755.7	1733.5	1726.4	1719.4	1717.1	1719.4	1726.4	1733.5	1755.7
1826.5	22.5°	1779.1	1755.8	1732.4	1724.6	1716.8	1713.4	1716.8	1724.6	1732.4	1755.8
1785.0	25°	1743.0	1722.8	1702.6	1695.3	1688.0	1683.7	1688.0	1695.3	1702.6	1722.8
1705.2	27.5°	1672.5	1658.9	1645.3	1642.0	1638.6	1637.5	1638.6	1642.0	1645.3	1658.9
1609.1	30°	1585.5	1578.6	1571.6	1571.6	1571.6	1572.7	1571.6	1571.6	1571.6	1578.6
1517.0	32.5°	1498.3	1493.8	1489.2	1489.8	1490.5	1491.6	1490.5	1489.8	1489.2	1493.8
1438.5	35°	1421.3	1414.4	1407.5	1406.0	1404.5	1403.8	1404.5	1406.0	1407.5	1414.4
1371.7	37.5°	1355.8	1343.2	1330.7	1324.1	1317.4	1313.7	1317.4	1324.1	1330.7	1343.2
1309.2	40°	1295.7	1277.4	1259.2	1246.9	1234.7	1227.4	1234.7	1246.9	1259.2	1277.4
1246.1	42.5°	1234.8	1212.1	1189.4	1171.5	1153.5	1141.8	1153.5	1171.5	1189.4	1212.1
1185.1	45°	1174.9	1148.9	1123.0	1102.0	1080.9	1067.4	1080.9	1102.0	1123.0	1148.9
1134.6	47.5°	1127.5	1104.4	1081.3	1061.8	1042.4	1029.4	1042.4	1061.8	1081.3	1104.4
1099.5	50°	1099.2	1080.8	1062.3	1044.3	1026.3	1013.8	1026.3	1044.3	1062.3	1080.8
1076.3	52.5°	1080.2	1065.1	1050.1	1033.9	1017.9	1006.3	1017.9	1033.9	1050.1	1065.1
1056.9	55°	1062.3	1049.2	1036.1	1022.0	1007.8	997.4	1007.8	1022.0	1036.1	1049.2
1038.0	57.5°	1043.4	1030.1	1016.9	1002.9	988.8	978.0	988.8	1002.9	1016.9	1030.1
1011.2	60°	1017.1	1004.2	991.3	976.8	962.4	951.2	962.4	976.8	991.3	1004.2
969.5	62.5°	975.2	963.5	951.8	936.7	921.5	908.1	921.5	936.7	951.8	963.5
912.8	65°	918.6	907.4	896.2	881.4	866.8	855.2	866.8	881.4	896.2	907.4
848.4	67.5°	854.1	843.8	833.5	819.8	806.1	795.7	806.1	819.8	833.5	843.8
779.6	70°	785.1	776.7	768.3	755.2	742.1	730.2	742.1	755.2	768.3	776.7
702.6	72.5°	709.2	702.2	695.2	682.7	670.3	658.7	670.3	682.7	695.2	702.2
611.8	75°	618.7	615.3	611.8	601.3	590.8	579.8	590.8	601.3	611.8	615.3
524.4	77.5°	530.8	526.1	521.2	510.6	500.0	491.3	500.0	510.6	521.2	526.1
423.2	80°	431.7	429.6	427.6	413.4	399.1	382.6	399.1	413.4	427.6	429.6
307.9	82.5°	322.3	321.4	320.4	308.4	296.4	285.8	296.4	308.4	320.4	321.4
186.8	85°	204.7	203.2	201.7	192.3	183.0	173.4	183.0	192.3	201.7	203.2
81.5	87.5°	88.7	86.9	85.0	80.2	75.3	70.7	75.3	80.2	85.0	86.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1788.6	2.5°	1795.7	1802.7	1811.5	1820.2	1831.5	1842.8	1854.0	1865.3	1878.1	1890.9
1679.8	5°	1689.5	1699.3	1713.3	1727.2	1745.4	1763.4	1783.4	1803.3	1825.9	1848.5
1614.3	7.5°	1625.9	1637.5	1654.0	1670.6	1692.7	1714.9	1740.1	1765.2	1794.9	1824.7
1594.5	10°	1607.6	1620.5	1640.4	1660.2	1685.1	1710.1	1737.2	1764.2	1794.0	1823.7
1623.7	12.5°	1640.5	1657.2	1682.5	1707.8	1733.6	1759.4	1780.6	1801.8	1821.5	1841.3
1684.2	15°	1709.7	1735.2	1771.2	1807.2	1829.6	1852.0	1857.5	1863.0	1860.4	1857.7
1742.5	17.5°	1780.0	1817.5	1865.2	1912.9	1930.9	1949.0	1931.8	1914.5	1882.1	1849.6
1777.8	20°	1823.7	1869.7	1924.2	1978.8	1987.2	1995.5	1959.4	1923.3	1866.9	1810.6
1779.1	22.5°	1826.5	1873.8	1925.9	1978.0	1973.0	1968.0	1921.0	1874.0	1809.6	1745.3
1743.0	25°	1785.0	1827.2	1869.8	1912.5	1895.3	1878.1	1831.8	1785.6	1727.7	1669.9
1672.5	27.5°	1705.2	1737.8	1768.2	1798.6	1779.4	1760.2	1723.1	1686.0	1638.5	1591.0
1585.5	30°	1609.1	1632.4	1655.7	1678.8	1663.2	1647.6	1616.7	1586.0	1546.5	1507.1
1498.3	32.5°	1517.0	1535.7	1557.0	1578.3	1560.9	1543.6	1514.0	1484.5	1453.0	1421.5
1421.3	35°	1438.5	1455.7	1470.8	1486.0	1465.2	1444.4	1415.1	1385.9	1362.0	1337.9
1355.8	37.5°	1371.7	1387.6	1394.6	1401.6	1375.8	1350.0	1320.9	1291.8	1274.6	1257.3
1295.7	40°	1309.2	1322.7	1321.0	1319.3	1289.6	1260.0	1231.8	1203.7	1191.3	1178.9
1234.8	42.5°	1246.1	1257.5	1249.0	1240.4	1208.4	1176.4	1149.7	1123.0	1112.8	1102.7
1174.9	45°	1185.1	1195.4	1183.1	1170.8	1137.6	1104.4	1079.1	1053.8	1045.2	1036.7
1127.5	47.5°	1134.6	1141.8	1127.6	1113.5	1080.8	1048.0	1023.3	998.5	990.5	982.5
1099.2	50°	1099.5	1100.0	1081.8	1063.6	1034.3	1005.0	981.7	958.3	945.7	933.2
1080.2	52.5°	1076.3	1072.4	1050.9	1029.4	1002.0	974.7	953.3	931.9	913.1	894.3
1062.3	55°	1056.9	1051.6	1028.7	1005.9	982.1	958.1	935.0	911.9	885.3	858.6
1043.4	57.5°	1038.0	1032.5	1009.6	986.6	962.9	939.2	912.1	885.0	856.3	827.5
1017.1	60°	1011.2	1005.2	982.1	959.1	934.9	910.9	879.8	848.7	823.5	798.3
975.2	62.5°	969.5	963.7	942.6	921.5	895.8	870.1	833.8	797.5	781.5	765.5
918.6	65°	912.8	907.0	888.3	869.7	845.2	820.6	781.7	742.8	736.7	730.5
854.1	67.5°	848.4	842.7	826.6	810.6	787.3	764.0	728.1	692.2	694.2	696.1
785.1	70°	779.6	774.1	759.6	745.1	725.0	704.9	673.3	641.8	648.5	655.1
709.2	72.5°	702.6	696.1	681.9	667.7	649.5	631.3	606.5	581.7	591.4	601.3
618.7	75°	611.8	605.0	592.0	579.1	562.6	546.2	527.7	509.3	518.7	528.1
530.8	77.5°	524.4	518.0	504.5	490.9	476.7	462.6	447.6	432.6	442.1	451.7
431.7	80°	423.2	414.7	404.5	394.1	382.2	370.3	357.9	345.4	353.4	361.4
322.3	82.5°	307.9	293.4	271.4	249.3	253.5	257.7	258.7	259.8	265.4	271.1
204.7	85°	186.8	169.0	148.3	127.7	139.2	150.7	156.2	161.5	167.8	174.2
88.7	87.5°	81.5	74.3	65.6	56.9	65.8	74.6	74.8	75.0	76.2	77.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1905.2	2.5°	1919.5	1937.1	1952.9	1969.3	1985.7	2002.8	2019.9	2036.9	2053.9	2070.0
1875.5	5°	1902.5	1933.4	1964.6	1997.8	2030.9	2066.3	2101.8	2137.0	2172.3	2207.7
1860.5	7.5°	1896.4	1936.3	1979.0	2025.2	2071.4	2123.9	2176.4	2230.3	2284.2	2342.4
1861.5	10°	1899.4	1942.3	1994.9	2049.7	2104.3	2168.1	2231.8	2303.0	2374.2	2448.0
1872.1	12.5°	1903.1	1943.0	1998.3	2060.2	2122.1	2197.2	2272.4	2353.1	2433.8	2514.8
1872.4	15°	1887.2	1919.2	1980.5	2052.1	2123.7	2210.3	2296.8	2384.4	2471.9	2556.4
1844.3	17.5°	1838.8	1858.6	1930.6	2016.7	2102.9	2203.3	2303.8	2399.3	2494.8	2580.5
1785.3	20°	1759.9	1765.2	1849.0	1955.8	2062.5	2184.3	2306.1	2411.0	2515.9	2605.0
1707.8	22.5°	1670.4	1660.2	1755.7	1884.2	2012.8	2160.9	2309.0	2426.8	2544.5	2635.5
1626.7	25°	1583.5	1556.0	1653.9	1804.4	1955.0	2137.8	2320.8	2455.4	2589.9	2679.0
1549.3	27.5°	1507.6	1474.1	1563.2	1731.4	1899.5	2122.4	2345.4	2500.0	2654.6	2739.7
1473.9	30°	1440.9	1414.6	1489.4	1670.3	1851.3	2115.2	2379.0	2557.9	2736.7	2818.8
1401.9	32.5°	1382.4	1370.7	1431.0	1617.7	1804.4	2106.3	2408.0	2618.2	2828.4	2909.7
1332.5	35°	1327.1	1332.0	1382.2	1566.0	1749.7	2089.5	2429.3	2687.0	2944.7	3022.6
1263.3	37.5°	1269.2	1286.9	1330.8	1505.1	1679.3	2060.6	2442.0	2764.0	3086.1	3185.4
1192.3	40°	1205.8	1233.0	1272.8	1432.4	1592.1	2021.0	2449.9	2861.8	3273.7	3418.4
1120.6	42.5°	1138.4	1172.7	1209.4	1352.3	1495.2	1980.0	2465.0	2989.8	3514.5	3723.4
1054.0	45°	1071.4	1104.6	1141.8	1267.1	1392.5	1942.0	2491.6	3158.1	3824.7	4106.4
997.1	47.5°	1011.7	1040.2	1088.2	1199.8	1311.3	1910.6	2509.8	3337.5	4165.2	4561.8
946.1	50°	959.1	992.2	1055.3	1155.0	1254.8	1876.4	2497.9	3504.0	4510.0	5107.8
907.0	52.5°	919.8	966.1	1038.7	1125.6	1212.5	1818.5	2424.6	3612.0	4799.4	5681.4
878.7	55°	899.0	968.7	1036.2	1104.2	1172.2	1722.7	2273.2	3588.2	4903.2	6189.9
857.0	57.5°	886.5	971.3	1030.9	1078.9	1126.9	1587.5	2048.0	3420.6	4793.3	6550.3
836.5	60°	874.7	963.1	1002.4	1040.2	1077.9	1412.0	1746.0	3108.7	4471.3	6640.4
813.2	62.5°	861.0	943.1	947.9	972.9	998.0	1201.9	1405.9	2686.8	3967.8	6261.1
781.4	65°	832.1	894.7	894.1	905.9	917.7	1012.9	1108.1	2256.5	3404.9	5724.6
738.4	67.5°	780.6	815.8	817.4	810.9	804.2	831.3	858.3	1834.9	2811.4	5086.0
685.2	70°	715.3	726.8	726.8	696.2	665.6	657.9	650.2	1444.7	2239.3	4389.3
621.9	72.5°	642.5	642.3	635.1	591.7	548.2	524.8	501.5	1104.5	1707.5	3633.9
544.0	75°	559.9	562.7	529.1	480.4	431.7	410.6	389.4	801.6	1213.8	2768.0
464.4	77.5°	477.1	478.6	423.1	375.9	328.6	314.2	299.8	543.2	786.6	1937.4
372.1	80°	382.7	383.0	316.7	276.7	236.7	230.7	224.8	350.0	475.2	1248.2
276.3	82.5°	281.5	278.4	221.8	192.3	162.9	161.7	160.6	215.3	270.0	722.4
179.8	85°	185.3	181.2	139.2	117.6	96.0	96.6	97.1	115.1	133.1	325.0
79.6	87.5°	81.9	76.7	59.2	50.3	41.5	42.1	42.6	47.7	52.8	106.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2086.0	2.5°	2093.8	2101.8	2113.0	2124.3	2131.0	2137.7	2141.0	2144.4	2142.9	2144.4
2243.0	5°	2270.6	2298.3	2325.7	2353.2	2368.1	2382.9	2391.9	2401.0	2407.9	2401.0
2400.8	7.5°	2445.8	2490.6	2531.1	2571.5	2595.8	2620.2	2633.3	2646.4	2652.8	2646.4
2521.8	10°	2574.9	2628.0	2675.5	2722.9	2751.6	2780.2	2793.0	2805.7	2810.6	2805.7
2595.8	12.5°	2653.4	2711.0	2753.8	2796.6	2817.4	2838.2	2845.2	2852.2	2853.0	2852.2
2640.8	15°	2690.6	2740.2	2767.1	2794.0	2794.8	2795.5	2788.1	2780.6	2771.8	2780.6
2666.2	17.5°	2699.7	2733.3	2733.8	2734.3	2704.1	2674.0	2646.4	2618.7	2599.2	2618.7
2694.1	20°	2705.8	2717.5	2682.2	2646.8	2580.3	2513.7	2465.3	2416.8	2387.0	2416.8
2726.4	22.5°	2711.1	2695.8	2622.5	2549.3	2451.4	2353.5	2293.0	2232.4	2199.5	2232.4
2768.1	25°	2719.7	2671.4	2560.2	2449.0	2330.1	2211.2	2147.5	2083.9	2052.8	2083.9
2824.7	27.5°	2738.2	2651.6	2504.3	2357.1	2225.4	2093.6	2031.0	1968.4	1939.0	1968.4
2901.0	30°	2772.0	2643.1	2461.8	2280.4	2143.2	2005.9	1947.8	1889.7	1862.3	1889.7
2991.0	32.5°	2814.4	2637.9	2432.7	2227.6	2098.6	1969.6	1924.0	1878.3	1858.6	1878.3
3100.5	35°	2884.3	2668.2	2454.5	2240.8	2151.2	2061.6	2051.0	2040.3	2038.7	2040.3
3284.7	37.5°	3030.4	2776.2	2581.9	2387.6	2381.8	2376.0	2424.7	2473.4	2498.7	2473.4
3563.1	40°	3286.5	3010.0	2865.6	2721.1	2823.1	2925.0	3043.4	3161.7	3220.7	3161.7
3932.2	42.5°	3657.9	3383.5	3300.3	3217.1	3439.5	3661.9	3877.2	4092.4	4218.8	4092.4
4388.1	45°	4141.7	3895.2	3858.5	3821.7	4178.0	4534.4	4888.1	5241.9	5456.6	5241.9
4958.3	47.5°	4718.5	4478.7	4471.3	4463.8	4977.9	5491.7	6009.6	6527.3	6831.4	6527.3
5705.6	50°	5409.4	5113.3	5114.6	5115.9	5778.3	6440.7	7124.3	7807.8	8221.0	7807.8
6563.4	52.5°	6204.8	5846.3	5810.0	5773.7	6565.0	7356.3	8202.0	9047.6	9542.9	9047.6
7476.7	55°	7122.4	6768.1	6626.8	6485.4	7366.1	8246.7	9254.9	10263.0	10852.2	10263.0
8307.3	57.5°	8114.4	7921.4	7637.9	7354.5	8243.7	9132.9	10274.9	11416.7	12147.3	11416.7
8809.4	60°	9109.1	9408.8	9056.7	8704.7	9546.2	10387.7	11610.3	12833.0	13622.5	12833.0
8554.5	62.5°	9373.3	10192.1	10152.4	10112.7	10883.6	11654.6	12817.8	13980.9	14710.7	13980.9
8044.2	65°	8812.7	9581.3	9733.3	9885.3	10865.0	11844.7	12972.7	14100.5	14721.9	14100.5
7360.6	67.5°	8091.5	8822.4	8893.7	8965.0	9985.7	11006.4	12139.2	13272.0	13758.7	13272.0
6539.2	70°	7334.2	8129.3	8161.2	8193.1	9105.9	10018.7	10993.5	11968.3	12238.8	11968.3
5560.4	72.5°	6472.8	7385.1	7408.1	7430.9	8145.1	8859.3	9589.4	10319.4	10346.8	10319.4
4322.3	75°	5266.5	6210.8	6295.5	6380.3	6935.9	7491.6	8005.5	8519.5	8381.8	8519.5
3088.2	77.5°	3969.6	4851.1	4972.4	5093.8	5516.2	5938.6	6303.0	6667.6	6430.9	6667.6
2021.2	80°	2762.8	3504.3	3655.1	3805.9	4124.9	4443.7	4635.2	4826.5	4445.8	4826.5
1174.9	82.5°	1681.9	2188.9	2357.3	2525.8	2745.4	2965.0	3044.9	3124.7	2825.4	3124.7
516.9	85°	786.0	1055.1	1198.4	1341.6	1522.1	1702.4	1747.7	1793.1	1553.4	1793.1
160.0	87.5°	250.5	340.9	420.8	500.8	591.0	681.2	685.1	688.9	578.3	688.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2141.0	2.5°	2137.7	2131.0	2124.3	2113.0	2101.8	2093.8	2086.0
2391.9	5°	2382.9	2368.1	2353.2	2325.7	2298.3	2270.6	2243.0
2633.3	7.5°	2620.2	2595.8	2571.5	2531.1	2490.6	2445.8	2400.8
2793.0	10°	2780.2	2751.6	2722.9	2675.5	2628.0	2574.9	2521.8
2845.2	12.5°	2838.2	2817.4	2796.6	2753.8	2711.0	2653.4	2595.8
2788.1	15°	2795.5	2794.8	2794.0	2767.1	2740.2	2690.6	2640.8
2646.4	17.5°	2674.0	2704.1	2734.3	2733.8	2733.3	2699.7	2666.2
2465.3	20°	2513.7	2580.3	2646.8	2682.2	2717.5	2705.8	2694.1
2293.0	22.5°	2353.5	2451.4	2549.3	2622.5	2695.8	2711.1	2726.4
2147.5	25°	2211.2	2330.1	2449.0	2560.2	2671.4	2719.7	2768.1
2031.0	27.5°	2093.6	2225.4	2357.1	2504.3	2651.6	2738.2	2824.7
1947.8	30°	2005.9	2143.2	2280.4	2461.8	2643.1	2772.0	2901.0
1924.0	32.5°	1969.6	2098.6	2227.6	2432.7	2637.9	2814.4	2991.0
2051.0	35°	2061.6	2151.2	2240.8	2454.5	2668.2	2884.3	3100.5
2424.7	37.5°	2376.0	2381.8	2387.6	2581.9	2776.2	3030.4	3284.7
3043.4	40°	2925.0	2823.1	2721.1	2865.6	3010.0	3286.5	3563.1
3877.2	42.5°	3661.9	3439.5	3217.1	3300.3	3383.5	3657.9	3932.2
4888.1	45°	4534.4	4178.0	3821.7	3858.5	3895.2	4141.7	4388.1
6009.6	47.5°	5491.7	4977.9	4463.8	4471.3	4478.7	4718.5	4958.3
7124.3	50°	6440.7	5778.3	5115.9	5114.6	5113.3	5409.4	5705.6
8202.0	52.5°	7356.3	6565.0	5773.7	5810.0	5846.3	6204.8	6563.4
9254.9	55°	8246.7	7366.1	6485.4	6626.8	6768.1	7122.4	7476.7
10274.9	57.5°	9132.9	8243.7	7354.5	7637.9	7921.4	8114.4	8307.3
11610.3	60°	10387.7	9546.2	8704.7	9056.7	9408.8	9109.1	8809.4
12817.8	62.5°	11654.6	10883.6	10112.7	10152.4	10192.1	9373.3	8554.5
12972.7	65°	11844.7	10865.0	9885.3	9733.3	9581.3	8812.7	8044.2
12139.2	67.5°	11006.4	9985.7	8965.0	8893.7	8822.4	8091.5	7360.6
10993.5	70°	10018.7	9105.9	8193.1	8161.2	8129.3	7334.2	6539.2
9589.4	72.5°	8859.3	8145.1	7430.9	7408.1	7385.1	6472.8	5560.4
8005.5	75°	7491.6	6935.9	6380.3	6295.5	6210.8	5266.5	4322.3
6303.0	77.5°	5938.6	5516.2	5093.8	4972.4	4851.1	3969.6	3088.2
4635.2	80°	4443.7	4124.9	3805.9	3655.1	3504.3	2762.8	2021.2
3044.9	82.5°	2965.0	2745.4	2525.8	2357.3	2188.9	1681.9	1174.9
1747.7	85°	1702.4	1522.1	1341.6	1198.4	1055.1	786.0	516.9
685.1	87.5°	681.2	591.0	500.8	420.8	340.9	250.5	160.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)