

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: P950827

Luminaire Tested: **GALN-SB5A-930-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950827
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-SB5A-930-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15707 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

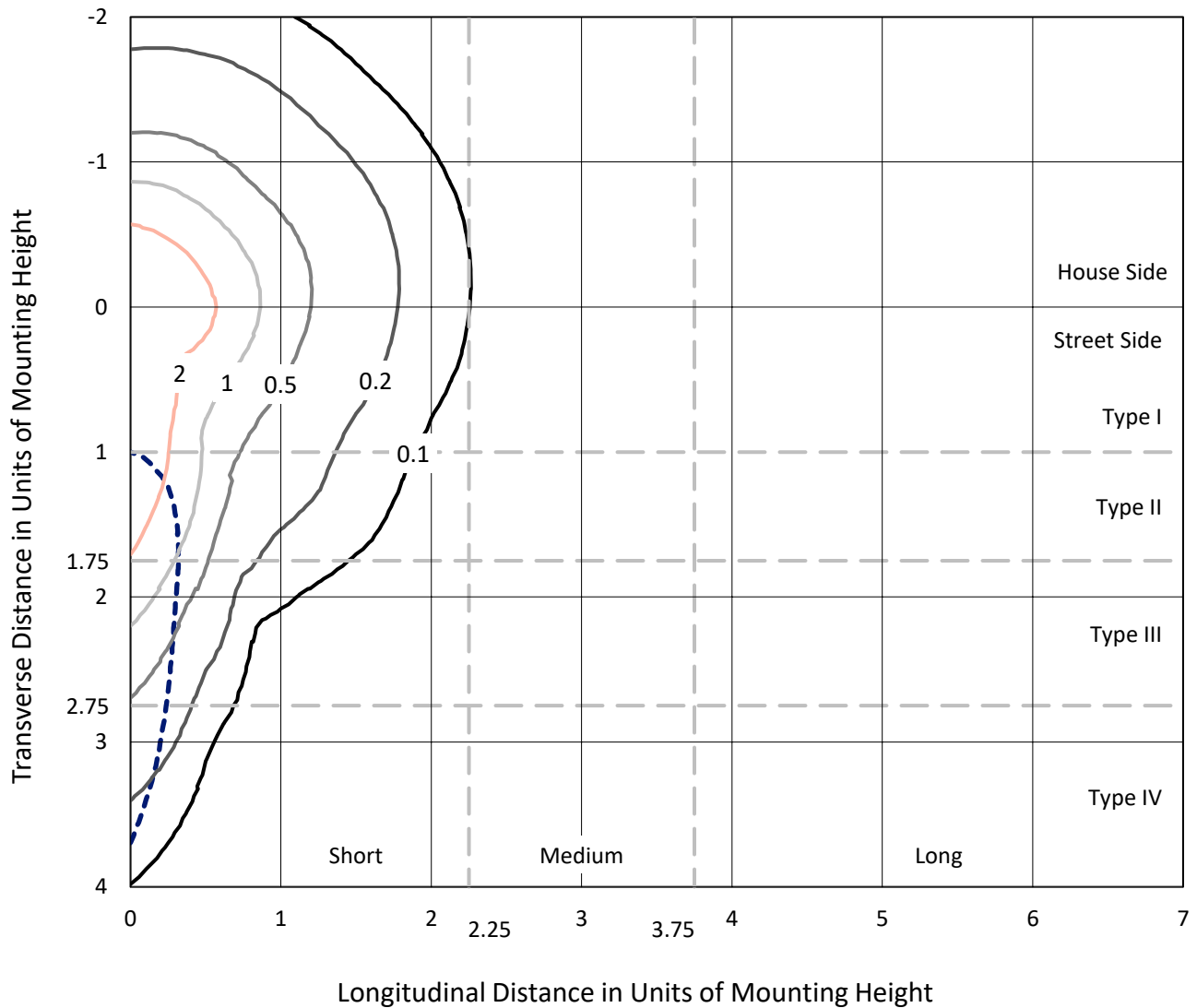
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

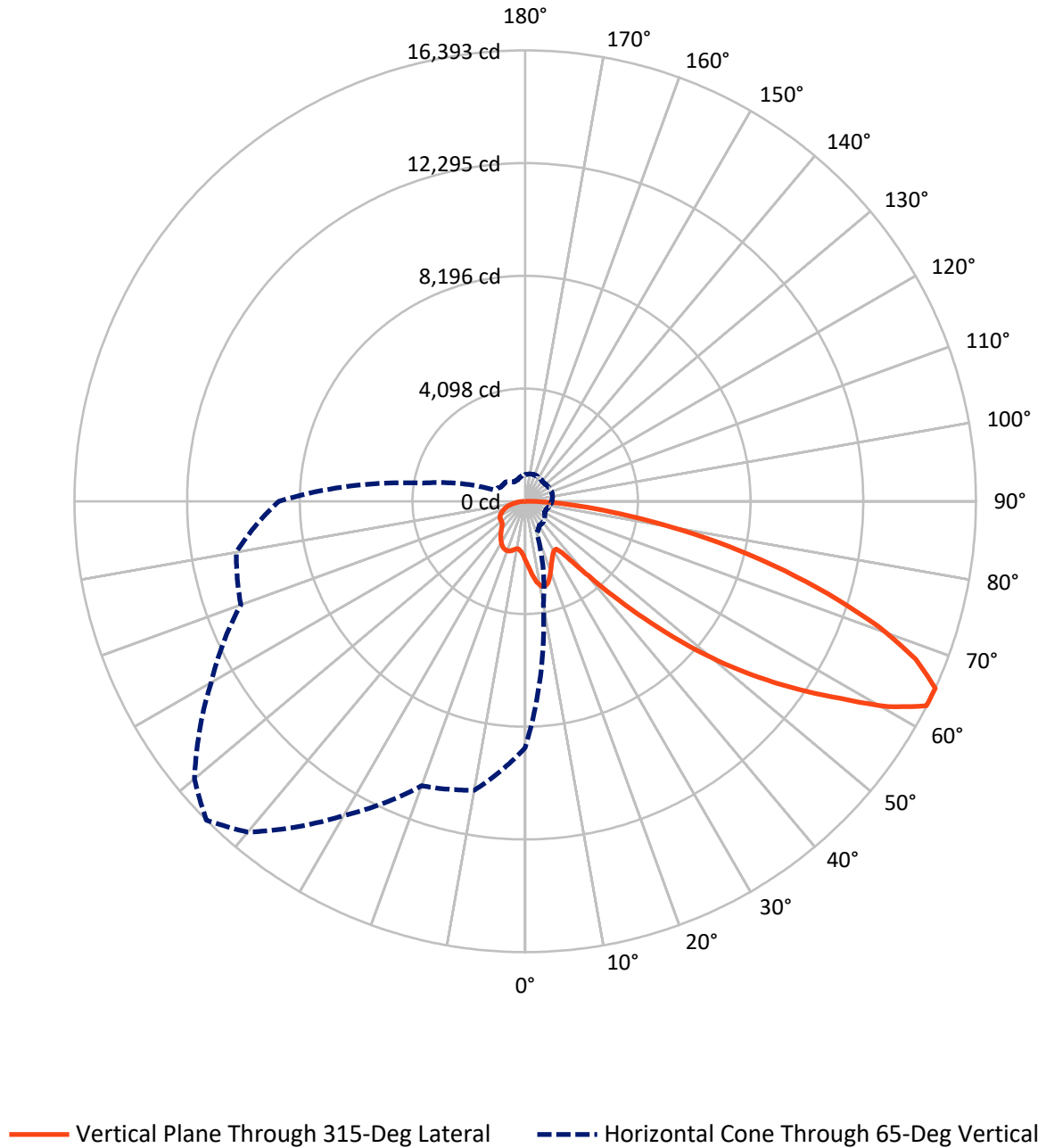
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	3991.9	0.0	3991.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11715.1	0.0	11715.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	15707.0	0.0	15707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.3	1.4
10°-20°	672.6	4.3
20°-30°	1038.9	6.6
30°-40°	1316.6	8.4
40°-50°	1985.7	12.6
50°-60°	3208.2	20.4
60°-70°	3999.6	25.5
70°-80°	2622.7	16.7
80°-90°	648.4	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°	15707.0	100.0
0°-180°	15707.0	100.0

Coefficient of Utilization



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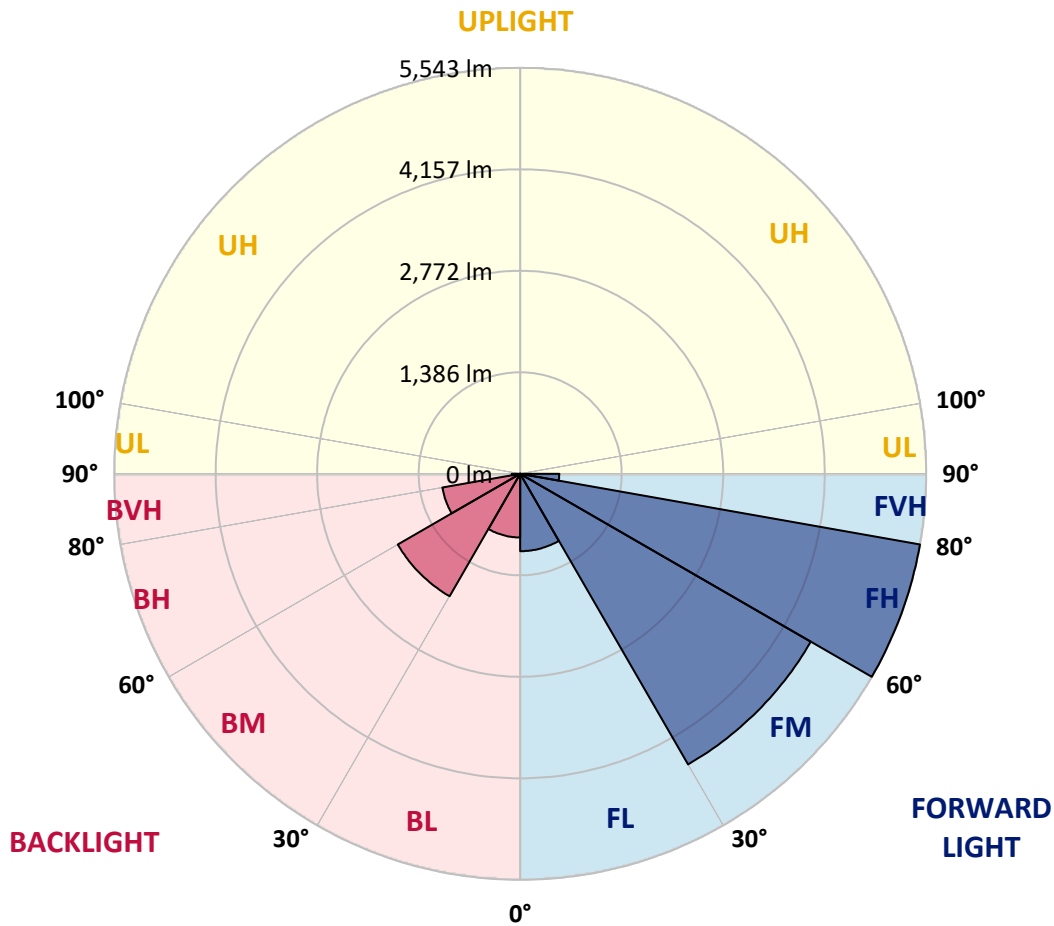
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1056.5	6.7			
FM (30°-60°)	4581.4	29.2			
FH (60°-80°)	5543.1	35.3			G3/7500
FVH (80°-90°)	534.1	3.4			G4/750
BL (0°-30°)	869.3	5.5	B2/1000		
BM (30°-60°)	1929.1	12.3	B2/2500		
BH (60°-80°)	1079.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	114.3	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
2.5°	2322.7	2304.9	2287.1	2268.1	2249.2	2230.1	2211.1	2192.8	2174.6	2156.9
5°	2497.6	2458.2	2418.8	2379.6	2340.4	2300.8	2261.4	2224.5	2187.6	2152.8
7.5°	2673.3	2608.3	2543.4	2483.4	2423.4	2365.0	2306.5	2255.1	2203.6	2156.1
10°	2808.0	2725.8	2643.7	2564.4	2485.2	2414.2	2343.2	2282.3	2221.3	2162.7
12.5°	2890.4	2800.2	2710.0	2620.2	2530.3	2446.6	2362.9	2294.0	2225.2	2163.6
15°	2940.6	2846.5	2752.4	2655.0	2557.5	2461.1	2364.7	2285.0	2205.3	2137.1
17.5°	2968.8	2873.4	2778.0	2671.6	2565.3	2453.4	2341.5	2245.6	2149.7	2069.5
20°	2999.8	2900.7	2801.5	2684.6	2567.8	2432.2	2296.6	2177.7	2058.9	1965.5
22.5°	3035.9	2934.6	2833.2	2702.2	2571.1	2406.2	2241.2	2098.1	1955.0	1848.6
25°	3082.3	2983.0	2883.8	2734.0	2584.2	2380.5	2176.8	2009.2	1841.6	1732.6
27.5°	3145.3	3050.6	2955.9	2783.8	2611.5	2363.3	2115.1	1927.9	1740.6	1641.4
30°	3230.2	3138.7	3047.3	2848.2	2649.0	2355.3	2061.4	1859.9	1658.4	1575.1
32.5°	3330.5	3239.9	3149.4	2915.4	2681.3	2345.3	2009.2	1801.3	1593.4	1526.2
35°	3452.4	3365.7	3278.9	2992.0	2705.0	2326.6	1948.3	1743.7	1539.1	1483.1
37.5°	3657.5	3546.9	3436.4	3077.7	2719.1	2294.5	1869.9	1675.9	1481.9	1433.0
40°	3967.5	3806.3	3645.2	3186.6	2728.0	2250.4	1772.8	1595.0	1417.2	1372.9
42.5°	4378.5	4146.0	3913.4	3329.1	2744.8	2204.8	1664.9	1505.8	1346.6	1305.8
45°	4886.2	4572.5	4258.8	3516.6	2774.4	2162.4	1550.5	1410.9	1271.4	1229.9
47.5°	5521.0	5079.5	4638.0	3716.3	2794.7	2127.4	1460.2	1335.9	1211.7	1158.2
50°	6353.2	5687.5	5021.9	3901.6	2781.4	2089.3	1397.2	1286.1	1175.1	1104.8
52.5°	7308.3	6326.2	5344.1	4022.0	2699.8	2024.9	1350.1	1253.3	1156.6	1075.8
55°	8325.3	6892.5	5459.7	3995.5	2531.1	1918.2	1305.2	1229.5	1153.9	1078.7
57.5°	9250.2	7293.8	5337.3	3808.8	2280.4	1767.7	1254.8	1201.3	1147.9	1081.6
60°	9809.2	7394.0	4978.8	3461.5	1944.2	1572.2	1200.3	1158.2	1116.2	1072.5
62.5°	9525.4	6971.8	4418.2	2991.8	1565.4	1338.3	1111.3	1083.3	1055.5	1050.1
65°	8957.2	6374.3	3791.3	2512.6	1233.9	1127.9	1021.9	1008.7	995.6	996.2
67.5°	8196.0	5663.3	3130.5	2043.2	955.8	925.7	895.5	902.9	910.2	908.4
70°	7281.4	4887.4	2493.4	1608.7	724.0	732.6	741.1	775.3	809.3	809.3
72.5°	6191.5	4046.4	1901.3	1229.9	558.4	584.4	610.4	658.8	707.1	715.3
75°	4812.8	3082.2	1351.6	892.6	433.6	457.2	480.7	534.9	589.1	626.6
77.5°	3438.7	2157.3	875.9	604.9	333.8	349.8	365.9	418.5	471.2	532.9
80°	2250.6	1389.9	529.2	389.7	250.3	256.9	263.6	308.1	352.7	426.4
82.5°	1308.3	804.4	300.7	239.7	178.9	180.0	181.3	214.2	247.0	310.0
85°	575.6	361.9	148.2	128.1	108.2	107.6	106.9	131.0	155.0	201.8
87.5°	178.2	118.5	58.8	53.1	47.4	46.8	46.2	56.0	65.9	85.4
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°
2159.8	0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
2137.3	2.5°	2121.4	2105.6	2091.2	2077.0	2064.5	2051.9	2039.3	2026.8	2017.1	2007.3
2118.4	5°	2088.4	2058.3	2033.1	2008.0	1985.8	1963.6	1943.4	1923.2	1907.7	1892.1
2111.6	7.5°	2071.7	2031.8	1998.6	1965.5	1937.6	1909.6	1884.9	1860.2	1841.8	1823.4
2114.9	10°	2072.8	2030.7	1997.6	1964.4	1934.3	1904.2	1876.4	1848.6	1826.6	1804.5
2119.1	12.5°	2084.6	2050.3	2028.2	2006.4	1982.7	1959.1	1930.4	1901.7	1873.5	1845.3
2101.4	15°	2084.9	2068.5	2071.5	2074.5	2068.3	2062.2	2037.3	2012.3	1972.2	1932.1
2047.5	17.5°	2053.6	2059.6	2095.7	2131.8	2151.1	2170.2	2150.1	2130.0	2076.9	2023.8
1959.7	20°	1987.9	2016.1	2078.8	2141.6	2181.8	2222.0	2212.7	2203.4	2142.6	2081.9
1860.0	22.5°	1901.7	1943.4	2015.0	2086.7	2139.0	2191.3	2197.0	2202.5	2144.5	2086.5
1763.3	25°	1811.3	1859.4	1923.8	1988.3	2039.8	2091.2	2110.5	2129.6	2082.0	2034.5
1678.7	27.5°	1725.1	1771.6	1824.5	1877.4	1918.7	1959.9	1981.3	2002.8	1968.9	1935.1
1604.4	30°	1641.2	1678.2	1722.1	1766.0	1800.2	1834.5	1851.9	1869.4	1843.6	1817.7
1539.2	32.5°	1561.0	1582.8	1617.9	1653.0	1685.9	1718.8	1738.1	1757.5	1733.8	1710.0
1477.7	35°	1483.7	1489.8	1516.5	1543.2	1575.7	1608.3	1631.5	1654.7	1637.8	1621.0
1413.3	37.5°	1406.6	1400.0	1419.2	1438.4	1470.8	1503.3	1532.0	1560.6	1552.8	1545.0
1342.7	40°	1327.7	1312.7	1326.5	1340.3	1371.7	1403.0	1436.0	1469.0	1471.0	1472.8
1267.6	42.5°	1247.8	1227.9	1239.1	1250.5	1280.2	1309.9	1345.6	1381.2	1390.7	1400.3
1193.1	45°	1173.7	1154.3	1163.8	1173.4	1201.6	1229.8	1266.7	1303.7	1317.4	1331.0
1126.5	47.5°	1110.3	1094.0	1103.0	1111.8	1139.4	1166.9	1203.4	1239.9	1255.6	1271.4
1067.9	50°	1053.5	1039.1	1053.1	1067.1	1093.1	1119.0	1151.7	1184.4	1204.6	1224.8
1024.2	52.5°	1010.0	995.8	1016.8	1037.7	1061.5	1085.3	1115.7	1146.2	1170.2	1194.1
1001.0	55°	978.5	956.0	985.8	1015.4	1041.1	1066.8	1093.5	1120.1	1145.5	1170.9
987.1	57.5°	954.3	921.5	953.4	985.4	1015.6	1045.8	1072.1	1098.6	1124.2	1149.7
974.0	60°	931.5	888.9	917.0	945.0	979.6	1014.3	1041.1	1067.9	1093.6	1119.3
958.8	62.5°	905.5	852.4	870.2	888.1	928.4	968.9	997.5	1026.1	1049.6	1073.1
926.6	65°	870.1	813.5	820.3	827.1	870.4	913.7	941.1	968.5	989.2	1009.9
869.2	67.5°	822.2	775.1	772.9	770.8	810.7	850.8	876.7	902.6	920.5	938.4
796.5	70°	763.0	729.5	722.0	714.6	749.7	784.9	807.2	829.6	845.8	861.9
715.4	72.5°	692.5	669.5	658.6	647.7	675.4	703.0	723.2	743.4	759.3	775.1
623.4	75°	605.8	588.0	577.6	567.1	587.6	608.2	626.5	644.8	659.2	673.6
531.3	77.5°	517.1	502.9	492.3	481.7	498.4	515.1	530.8	546.6	561.8	576.8
426.2	80°	414.3	402.4	393.5	384.6	398.5	412.3	425.6	438.8	450.4	461.8
313.5	82.5°	307.6	301.8	295.5	289.3	288.1	286.9	282.3	277.6	302.2	326.7
206.4	85°	200.2	193.9	186.9	179.8	173.9	167.8	155.0	142.1	165.1	188.1
91.2	87.5°	88.7	86.2	84.9	83.5	83.3	83.0	73.3	63.4	73.0	82.7
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°
2159.8	0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
1999.5	2.5°	1991.6	1985.5	1979.3	1973.7	1968.0	1960.9	1968.0	1973.7	1979.3	1985.5
1881.3	5°	1870.4	1862.7	1855.0	1849.1	1843.2	1837.4	1843.2	1849.1	1855.0	1862.7
1810.4	7.5°	1797.5	1788.6	1779.8	1774.5	1769.3	1765.3	1769.3	1774.5	1779.8	1788.6
1790.0	10°	1775.5	1767.1	1758.7	1754.2	1749.8	1747.9	1749.8	1754.2	1758.7	1767.1
1826.7	12.5°	1808.0	1798.7	1789.4	1785.6	1781.8	1781.1	1781.8	1785.6	1789.4	1798.7
1903.7	15°	1875.4	1862.4	1849.5	1844.5	1839.5	1839.1	1839.5	1844.5	1849.5	1862.4
1982.0	17.5°	1940.2	1921.0	1901.7	1895.4	1889.0	1888.0	1889.0	1895.4	1901.7	1921.0
2030.7	20°	1979.6	1955.0	1930.3	1922.4	1914.5	1912.0	1914.5	1922.4	1930.3	1955.0
2033.8	22.5°	1981.0	1955.1	1929.0	1920.3	1911.6	1907.9	1911.6	1920.3	1929.0	1955.1
1987.6	25°	1940.9	1918.3	1895.9	1887.7	1879.5	1874.7	1879.5	1887.7	1895.9	1918.3
1898.7	27.5°	1862.3	1847.2	1832.1	1828.3	1824.6	1823.4	1824.6	1828.3	1832.1	1847.2
1791.7	30°	1765.5	1757.8	1750.0	1750.0	1750.0	1751.3	1750.0	1750.0	1750.0	1757.8
1689.2	32.5°	1668.4	1663.3	1658.3	1658.9	1659.7	1660.9	1659.7	1658.9	1658.3	1663.3
1601.7	35°	1582.6	1574.9	1567.3	1565.6	1563.9	1563.1	1563.9	1565.6	1567.3	1574.9
1527.4	37.5°	1509.7	1495.6	1481.7	1474.3	1467.0	1462.8	1467.0	1474.3	1481.7	1495.6
1457.8	40°	1442.8	1422.4	1402.2	1388.4	1374.8	1366.7	1374.8	1388.4	1402.2	1422.4
1387.6	42.5°	1375.0	1349.7	1324.4	1304.4	1284.5	1271.4	1284.5	1304.4	1324.4	1349.7
1319.6	45°	1308.3	1279.3	1250.5	1227.0	1203.6	1188.5	1203.6	1227.0	1250.5	1279.3
1263.4	47.5°	1255.5	1229.8	1204.1	1182.4	1160.7	1146.2	1160.7	1182.4	1204.1	1229.8
1224.3	50°	1224.0	1203.4	1182.9	1162.8	1142.7	1128.8	1142.7	1162.8	1182.9	1203.4
1198.4	52.5°	1202.8	1186.0	1169.3	1151.3	1133.4	1120.5	1133.4	1151.3	1169.3	1186.0
1176.9	55°	1182.9	1168.3	1153.7	1137.9	1122.2	1110.6	1122.2	1137.9	1153.7	1168.3
1155.8	57.5°	1161.8	1147.1	1132.3	1116.7	1101.1	1089.0	1101.1	1116.7	1132.3	1147.1
1125.9	60°	1132.6	1118.1	1103.8	1087.7	1071.6	1059.2	1071.6	1087.7	1103.8	1118.1
1079.5	62.5°	1085.9	1072.9	1059.9	1043.0	1026.1	1011.1	1026.1	1043.0	1059.9	1072.9
1016.4	65°	1022.9	1010.4	997.9	981.5	965.1	952.3	965.1	981.5	997.9	1010.4
944.7	67.5°	951.0	939.5	928.1	912.8	897.6	886.0	897.6	912.8	928.1	939.5
868.1	70°	874.2	864.9	855.5	840.9	826.3	813.1	826.3	840.9	855.5	864.9
782.4	72.5°	789.7	781.9	774.1	760.2	746.3	733.5	746.3	760.2	774.1	781.9
681.3	75°	688.9	685.1	681.3	669.6	657.9	645.6	657.9	669.6	681.3	685.1
584.0	77.5°	591.1	585.8	580.3	568.6	556.8	547.0	556.8	568.6	580.3	585.8
471.3	80°	480.7	478.4	476.1	460.3	444.4	426.0	444.4	460.3	476.1	478.4
342.8	82.5°	358.9	357.9	356.8	343.5	330.0	318.3	330.0	343.5	356.8	357.9
208.0	85°	227.9	226.3	224.6	214.2	203.7	193.1	203.7	214.2	224.6	226.3
90.8	87.5°	98.8	96.8	94.6	89.3	83.9	78.7	83.9	89.3	94.6	96.8
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°
2159.8	0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
1991.6	2.5°	1999.5	2007.3	2017.1	2026.8	2039.3	2051.9	2064.5	2077.0	2091.2	2105.6
1870.4	5°	1881.3	1892.1	1907.7	1923.2	1943.4	1963.6	1985.8	2008.0	2033.1	2058.3
1797.5	7.5°	1810.4	1823.4	1841.8	1860.2	1884.9	1909.6	1937.6	1965.5	1998.6	2031.8
1775.5	10°	1790.0	1804.5	1826.6	1848.6	1876.4	1904.2	1934.3	1964.4	1997.6	2030.7
1808.0	12.5°	1826.7	1845.3	1873.5	1901.7	1930.4	1959.1	1982.7	2006.4	2028.2	2050.3
1875.4	15°	1903.7	1932.1	1972.2	2012.3	2037.3	2062.2	2068.3	2074.5	2071.5	2068.5
1940.2	17.5°	1982.0	2023.8	2076.9	2130.0	2150.1	2170.2	2151.1	2131.8	2095.7	2059.6
1979.6	20°	2030.7	2081.9	2142.6	2203.4	2212.7	2222.0	2181.8	2141.6	2078.8	2016.1
1981.0	22.5°	2033.8	2086.5	2144.5	2202.5	2197.0	2191.3	2139.0	2086.7	2015.0	1943.4
1940.9	25°	1987.6	2034.5	2082.0	2129.6	2110.5	2091.2	2039.8	1988.3	1923.8	1859.4
1862.3	27.5°	1898.7	1935.1	1968.9	2002.8	1981.3	1959.9	1918.7	1877.4	1824.5	1771.6
1765.5	30°	1791.7	1817.7	1843.6	1869.4	1851.9	1834.5	1800.2	1766.0	1722.1	1678.2
1668.4	32.5°	1689.2	1710.0	1733.8	1757.5	1738.1	1718.8	1685.9	1653.0	1617.9	1582.8
1582.6	35°	1601.7	1621.0	1637.8	1654.7	1631.5	1608.3	1575.7	1543.2	1516.5	1489.8
1509.7	37.5°	1527.4	1545.0	1552.8	1560.6	1532.0	1503.3	1470.8	1438.4	1419.2	1400.0
1442.8	40°	1457.8	1472.8	1471.0	1469.0	1436.0	1403.0	1371.7	1340.3	1326.5	1312.7
1375.0	42.5°	1387.6	1400.3	1390.7	1381.2	1345.6	1309.9	1280.2	1250.5	1239.1	1227.9
1308.3	45°	1319.6	1331.0	1317.4	1303.7	1266.7	1229.8	1201.6	1173.4	1163.8	1154.3
1255.5	47.5°	1263.4	1271.4	1255.6	1239.9	1203.4	1166.9	1139.4	1111.8	1103.0	1094.0
1224.0	50°	1224.3	1224.8	1204.6	1184.4	1151.7	1119.0	1093.1	1067.1	1053.1	1039.1
1202.8	52.5°	1198.4	1194.1	1170.2	1146.2	1115.7	1085.3	1061.5	1037.7	1016.8	995.8
1182.9	55°	1176.9	1170.9	1145.5	1120.1	1093.5	1066.8	1041.1	1015.4	985.8	956.0
1161.8	57.5°	1155.8	1149.7	1124.2	1098.6	1072.1	1045.8	1015.6	985.4	953.4	921.5
1132.6	60°	1125.9	1119.3	1093.6	1067.9	1041.1	1014.3	979.6	945.0	917.0	888.9
1085.9	62.5°	1079.5	1073.1	1049.6	1026.1	997.5	968.9	928.4	888.1	870.2	852.4
1022.9	65°	1016.4	1009.9	989.2	968.5	941.1	913.7	870.4	827.1	820.3	813.5
951.0	67.5°	944.7	938.4	920.5	902.6	876.7	850.8	810.7	770.8	772.9	775.1
874.2	70°	868.1	861.9	845.8	829.6	807.2	784.9	749.7	714.6	722.0	729.5
789.7	72.5°	782.4	775.1	759.3	743.4	723.2	703.0	675.4	647.7	658.6	669.5
688.9	75°	681.3	673.6	659.2	644.8	626.5	608.2	587.6	567.1	577.6	588.0
591.1	77.5°	584.0	576.8	561.8	546.6	530.8	515.1	498.4	481.7	492.3	502.9
480.7	80°	471.3	461.8	450.4	438.8	425.6	412.3	398.5	384.6	393.5	402.4
358.9	82.5°	342.8	326.7	302.2	277.6	282.3	286.9	288.1	289.3	295.5	301.8
227.9	85°	208.0	188.1	165.1	142.1	155.0	167.8	173.9	179.8	186.9	193.9
98.8	87.5°	90.8	82.7	73.0	63.4	73.3	83.0	83.3	83.5	84.9	86.2
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°
2159.8	0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
2121.4	2.5°	2137.3	2156.9	2174.6	2192.8	2211.1	2230.1	2249.2	2268.1	2287.1	2304.9
2088.4	5°	2118.4	2152.8	2187.6	2224.5	2261.4	2300.8	2340.4	2379.6	2418.8	2458.2
2071.7	7.5°	2111.6	2156.1	2203.6	2255.1	2306.5	2365.0	2423.4	2483.4	2543.4	2608.3
2072.8	10°	2114.9	2162.7	2221.3	2282.3	2343.2	2414.2	2485.2	2564.4	2643.7	2725.8
2084.6	12.5°	2119.1	2163.6	2225.2	2294.0	2362.9	2446.6	2530.3	2620.2	2710.0	2800.2
2084.9	15°	2101.4	2137.1	2205.3	2285.0	2364.7	2461.1	2557.5	2655.0	2752.4	2846.5
2053.6	17.5°	2047.5	2069.5	2149.7	2245.6	2341.5	2453.4	2565.3	2671.6	2778.0	2873.4
1987.9	20°	1959.7	1965.5	2058.9	2177.7	2296.6	2432.2	2567.8	2684.6	2801.5	2900.7
1901.7	22.5°	1860.0	1848.6	1955.0	2098.1	2241.2	2406.2	2571.1	2702.2	2833.2	2934.6
1811.3	25°	1763.3	1732.6	1841.6	2009.2	2176.8	2380.5	2584.2	2734.0	2883.8	2983.0
1725.1	27.5°	1678.7	1641.4	1740.6	1927.9	2115.1	2363.3	2611.5	2783.8	2955.9	3050.6
1641.2	30°	1604.4	1575.1	1658.4	1859.9	2061.4	2355.3	2649.0	2848.2	3047.3	3138.7
1561.0	32.5°	1539.2	1526.2	1593.4	1801.3	2009.2	2345.3	2681.3	2915.4	3149.4	3239.9
1483.7	35°	1477.7	1483.1	1539.1	1743.7	1948.3	2326.6	2705.0	2992.0	3278.9	3365.7
1406.6	37.5°	1413.3	1433.0	1481.9	1675.9	1869.9	2294.5	2719.1	3077.7	3436.4	3546.9
1327.7	40°	1342.7	1372.9	1417.2	1595.0	1772.8	2250.4	2728.0	3186.6	3645.2	3806.3
1247.8	42.5°	1267.6	1305.8	1346.6	1505.8	1664.9	2204.8	2744.8	3329.1	3913.4	4146.0
1173.7	45°	1193.1	1229.9	1271.4	1410.9	1550.5	2162.4	2774.4	3516.6	4258.8	4572.5
1110.3	47.5°	1126.5	1158.2	1211.7	1335.9	1460.2	2127.4	2794.7	3716.3	4638.0	5079.5
1053.5	50°	1067.9	1104.8	1175.1	1286.1	1397.2	2089.3	2781.4	3901.6	5021.9	5687.5
1010.0	52.5°	1024.2	1075.8	1156.6	1253.3	1350.1	2024.9	2699.8	4022.0	5344.1	6326.2
978.5	55°	1001.0	1078.7	1153.9	1229.5	1305.2	1918.2	2531.1	3995.5	5459.7	6892.5
954.3	57.5°	987.1	1081.6	1147.9	1201.3	1254.8	1767.7	2280.4	3808.8	5337.3	7293.8
931.5	60°	974.0	1072.5	1116.2	1158.2	1200.3	1572.2	1944.2	3461.5	4978.8	7394.0
905.5	62.5°	958.8	1050.1	1055.5	1083.3	1111.3	1338.3	1565.4	2991.8	4418.2	6971.8
870.1	65°	926.6	996.2	995.6	1008.7	1021.9	1127.9	1233.9	2512.6	3791.3	6374.3
822.2	67.5°	869.2	908.4	910.2	902.9	895.5	925.7	955.8	2043.2	3130.5	5663.3
763.0	70°	796.5	809.3	809.3	775.3	741.1	732.6	724.0	1608.7	2493.4	4887.4
692.5	72.5°	715.4	715.3	707.1	658.8	610.4	584.4	558.4	1229.9	1901.3	4046.4
605.8	75°	623.4	626.6	589.1	534.9	480.7	457.2	433.6	892.6	1351.6	3082.2
517.1	77.5°	531.3	532.9	471.2	418.5	365.9	349.8	333.8	604.9	875.9	2157.3
414.3	80°	426.2	426.4	352.7	308.1	263.6	256.9	250.3	389.7	529.2	1389.9
307.6	82.5°	313.5	310.0	247.0	214.2	181.3	180.0	178.9	239.7	300.7	804.4
200.2	85°	206.4	201.8	155.0	131.0	106.9	107.6	108.2	128.1	148.2	361.9
88.7	87.5°	91.2	85.4	65.9	56.0	46.2	46.8	47.4	53.1	58.8	118.5
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°
2159.8	0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
2322.7	2.5°	2331.5	2340.4	2352.9	2365.4	2372.8	2380.3	2384.0	2387.8	2386.1	2387.8
2497.6	5°	2528.3	2559.2	2589.7	2620.2	2636.8	2653.4	2663.4	2673.5	2681.2	2673.5
2673.3	7.5°	2723.3	2773.3	2818.3	2863.3	2890.4	2917.5	2932.2	2946.8	2953.8	2946.8
2808.0	10°	2867.1	2926.3	2979.1	3031.9	3063.9	3095.7	3110.0	3124.2	3129.5	3124.2
2890.4	12.5°	2954.6	3018.6	3066.4	3114.0	3137.2	3160.4	3168.2	3176.0	3176.8	3176.0
2940.6	15°	2995.9	3051.2	3081.1	3111.1	3112.0	3112.8	3104.5	3096.2	3086.4	3096.2
2968.8	17.5°	3006.1	3043.5	3044.1	3044.6	3011.0	2977.5	2946.7	2915.9	2894.2	2915.9
2999.8	20°	3012.8	3025.9	2986.6	2947.2	2873.1	2799.0	2745.1	2691.1	2658.0	2691.1
3035.9	22.5°	3018.8	3001.7	2920.2	2838.6	2729.6	2620.7	2553.2	2485.7	2449.1	2485.7
3082.3	25°	3028.4	2974.6	2850.7	2726.9	2594.6	2462.2	2391.2	2320.5	2285.8	2320.5
3145.3	27.5°	3049.0	2952.6	2788.6	2624.6	2477.9	2331.2	2261.5	2191.8	2159.0	2191.8
3230.2	30°	3086.6	2943.1	2741.2	2539.3	2386.4	2233.6	2168.9	2104.2	2073.7	2104.2
3330.5	32.5°	3133.9	2937.3	2708.8	2480.4	2336.8	2193.2	2142.4	2091.5	2069.5	2091.5
3452.4	35°	3211.7	2971.1	2733.0	2495.1	2395.3	2295.6	2283.8	2271.9	2270.1	2271.9
3657.5	37.5°	3374.4	3091.3	2874.9	2658.6	2652.2	2645.7	2699.9	2754.1	2782.3	2754.1
3967.5	40°	3659.6	3351.7	3190.8	3029.9	3143.5	3257.0	3388.8	3520.6	3586.2	3520.6
4378.5	42.5°	4073.0	3767.6	3674.9	3582.2	3829.9	4077.5	4317.2	4556.9	4697.6	4556.9
4886.2	45°	4611.8	4337.3	4296.4	4255.5	4652.2	5049.0	5442.9	5836.8	6075.9	5836.8
5521.0	47.5°	5254.1	4987.0	4978.8	4970.5	5542.8	6115.0	6691.6	7268.1	7606.7	7268.1
6353.2	50°	6023.4	5693.7	5695.1	5696.5	6434.1	7171.8	7932.8	8693.9	9154.1	8693.9
7308.3	52.5°	6909.0	6509.8	6469.4	6429.0	7310.1	8191.2	9132.9	10074.5	10626.0	10074.5
8325.3	55°	7930.8	7536.3	7378.9	7221.5	8202.1	9182.7	10305.3	11427.9	12083.9	11427.9
9250.2	57.5°	9035.4	8820.5	8504.8	8189.2	9179.4	10169.5	11441.1	12712.5	13526.0	12712.5
9809.2	60°	10142.9	10476.7	10084.6	9692.6	10629.7	11566.7	12928.1	14289.5	15168.7	14289.5
9525.4	62.5°	10437.1	11348.9	11304.7	11260.5	12118.9	12977.3	14272.6	15567.7	16380.4	15567.7
8957.2	65°	9813.0	10668.7	10838.0	11007.3	12098.1	13189.1	14445.0	15700.9	16392.8	15700.9
8196.0	67.5°	9009.9	9823.7	9903.1	9982.5	11119.1	12255.6	13517.0	14778.3	15320.3	14778.3
7281.4	70°	8166.6	9052.0	9087.4	9123.0	10139.4	11155.8	12241.3	13326.7	13627.9	13326.7
6191.5	72.5°	7207.4	8223.3	8248.9	8274.3	9069.5	9864.8	10677.7	11490.6	11521.1	11490.6
4812.8	75°	5864.2	6915.7	7010.1	7104.5	7723.2	8341.9	8914.1	9486.4	9333.1	9486.4
3438.7	77.5°	4420.1	5401.7	5536.8	5671.9	6142.2	6612.6	7018.4	7424.4	7160.8	7424.4
2250.6	80°	3076.3	3902.0	4069.9	4237.8	4593.0	4948.1	5161.3	5374.3	4950.4	5374.3
1308.3	82.5°	1872.8	2437.3	2624.9	2812.5	3057.0	3301.5	3390.4	3479.3	3146.1	3479.3
575.6	85°	875.2	1174.8	1334.4	1493.9	1694.8	1895.6	1946.1	1996.6	1729.7	1996.6
178.2	87.5°	278.9	379.6	468.6	557.6	658.1	758.5	762.8	767.1	644.0	767.1
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°
2159.8	0°	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8	2159.8
2384.0	2.5°	2380.3	2372.8	2365.4	2352.9	2340.4	2331.5	2322.7
2663.4	5°	2653.4	2636.8	2620.2	2589.7	2559.2	2528.3	2497.6
2932.2	7.5°	2917.5	2890.4	2863.3	2818.3	2773.3	2723.3	2673.3
3110.0	10°	3095.7	3063.9	3031.9	2979.1	2926.3	2867.1	2808.0
3168.2	12.5°	3160.4	3137.2	3114.0	3066.4	3018.6	2954.6	2890.4
3104.5	15°	3112.8	3112.0	3111.1	3081.1	3051.2	2995.9	2940.6
2946.7	17.5°	2977.5	3011.0	3044.6	3044.1	3043.5	3006.1	2968.8
2745.1	20°	2799.0	2873.1	2947.2	2986.6	3025.9	3012.8	2999.8
2553.2	22.5°	2620.7	2729.6	2838.6	2920.2	3001.7	3018.8	3035.9
2391.2	25°	2462.2	2594.6	2726.9	2850.7	2974.6	3028.4	3082.3
2261.5	27.5°	2331.2	2477.9	2624.6	2788.6	2952.6	3049.0	3145.3
2168.9	30°	2233.6	2386.4	2539.3	2741.2	2943.1	3086.6	3230.2
2142.4	32.5°	2193.2	2336.8	2480.4	2708.8	2937.3	3133.9	3330.5
2283.8	35°	2295.6	2395.3	2495.1	2733.0	2971.1	3211.7	3452.4
2699.9	37.5°	2645.7	2652.2	2658.6	2874.9	3091.3	3374.4	3657.5
3388.8	40°	3257.0	3143.5	3029.9	3190.8	3351.7	3659.6	3967.5
4317.2	42.5°	4077.5	3829.9	3582.2	3674.9	3767.6	4073.0	4378.5
5442.9	45°	5049.0	4652.2	4255.5	4296.4	4337.3	4611.8	4886.2
6691.6	47.5°	6115.0	5542.8	4970.5	4978.8	4987.0	5254.1	5521.0
7932.8	50°	7171.8	6434.1	5696.5	5695.1	5693.7	6023.4	6353.2
9132.9	52.5°	8191.2	7310.1	6429.0	6469.4	6509.8	6909.0	7308.3
10305.3	55°	9182.7	8202.1	7221.5	7378.9	7536.3	7930.8	8325.3
11441.1	57.5°	10169.5	9179.4	8189.2	8504.8	8820.5	9035.4	9250.2
12928.1	60°	11566.7	10629.7	9692.6	10084.6	10476.7	10142.9	9809.2
14272.6	62.5°	12977.3	12118.9	11260.5	11304.7	11348.9	10437.1	9525.4
14445.0	65°	13189.1	12098.1	11007.3	10838.0	10668.7	9813.0	8957.2
13517.0	67.5°	12255.6	11119.1	9982.5	9903.1	9823.7	9009.9	8196.0
12241.3	70°	11155.8	10139.4	9123.0	9087.4	9052.0	8166.6	7281.4
10677.7	72.5°	9864.8	9069.5	8274.3	8248.9	8223.3	7207.4	6191.5
8914.1	75°	8341.9	7723.2	7104.5	7010.1	6915.7	5864.2	4812.8
7018.4	77.5°	6612.6	6142.2	5671.9	5536.8	5401.7	4420.1	3438.7
5161.3	80°	4948.1	4593.0	4237.8	4069.9	3902.0	3076.3	2250.6
3390.4	82.5°	3301.5	3057.0	2812.5	2624.9	2437.3	1872.8	1308.3
1946.1	85°	1895.6	1694.8	1493.9	1334.4	1174.8	875.2	575.6
762.8	87.5°	758.5	658.1	557.6	468.6	379.6	278.9	178.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)