

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: P949798

Luminaire Tested: **GALN-SB4B-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949798
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-SB4B-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16295 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

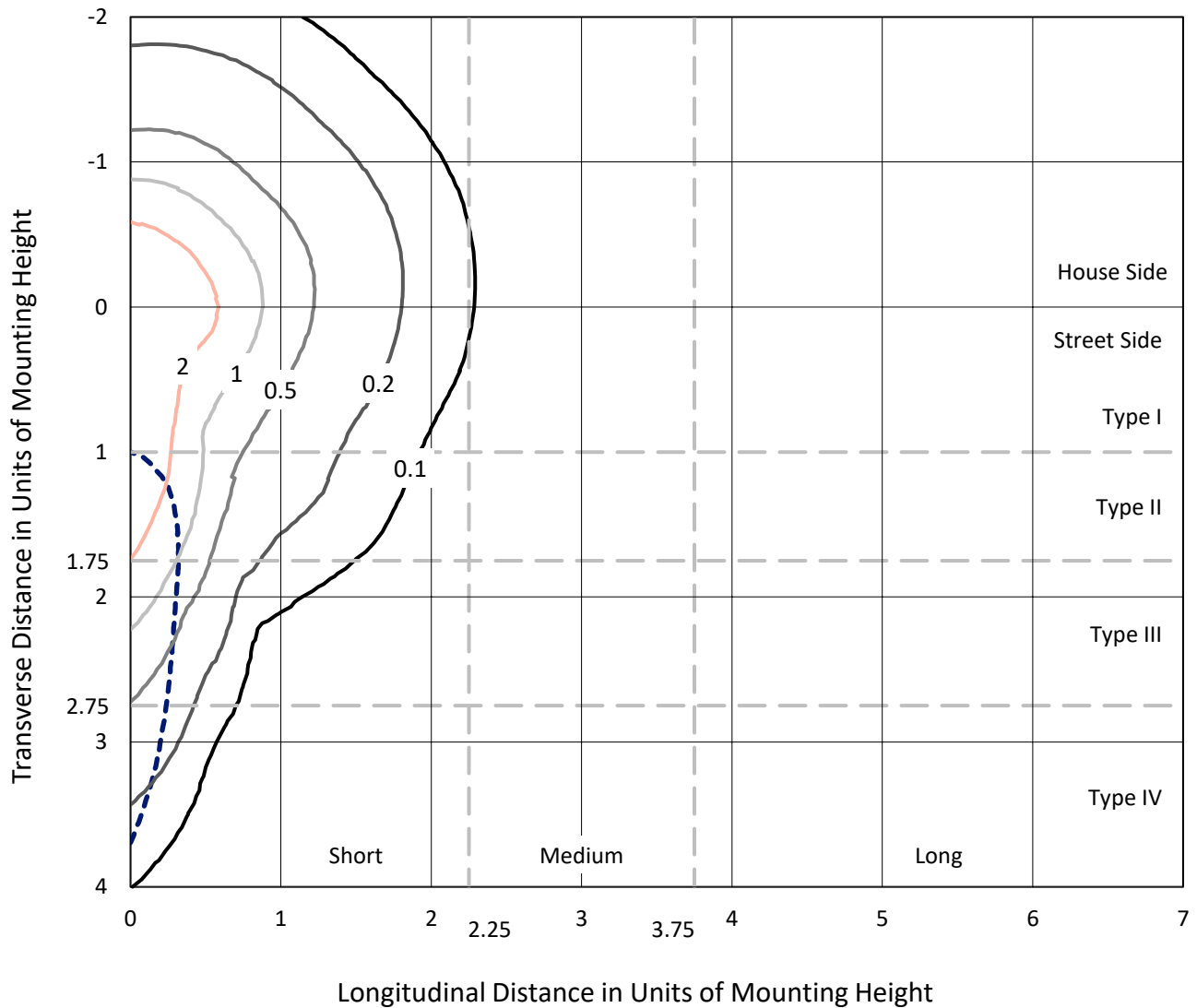
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

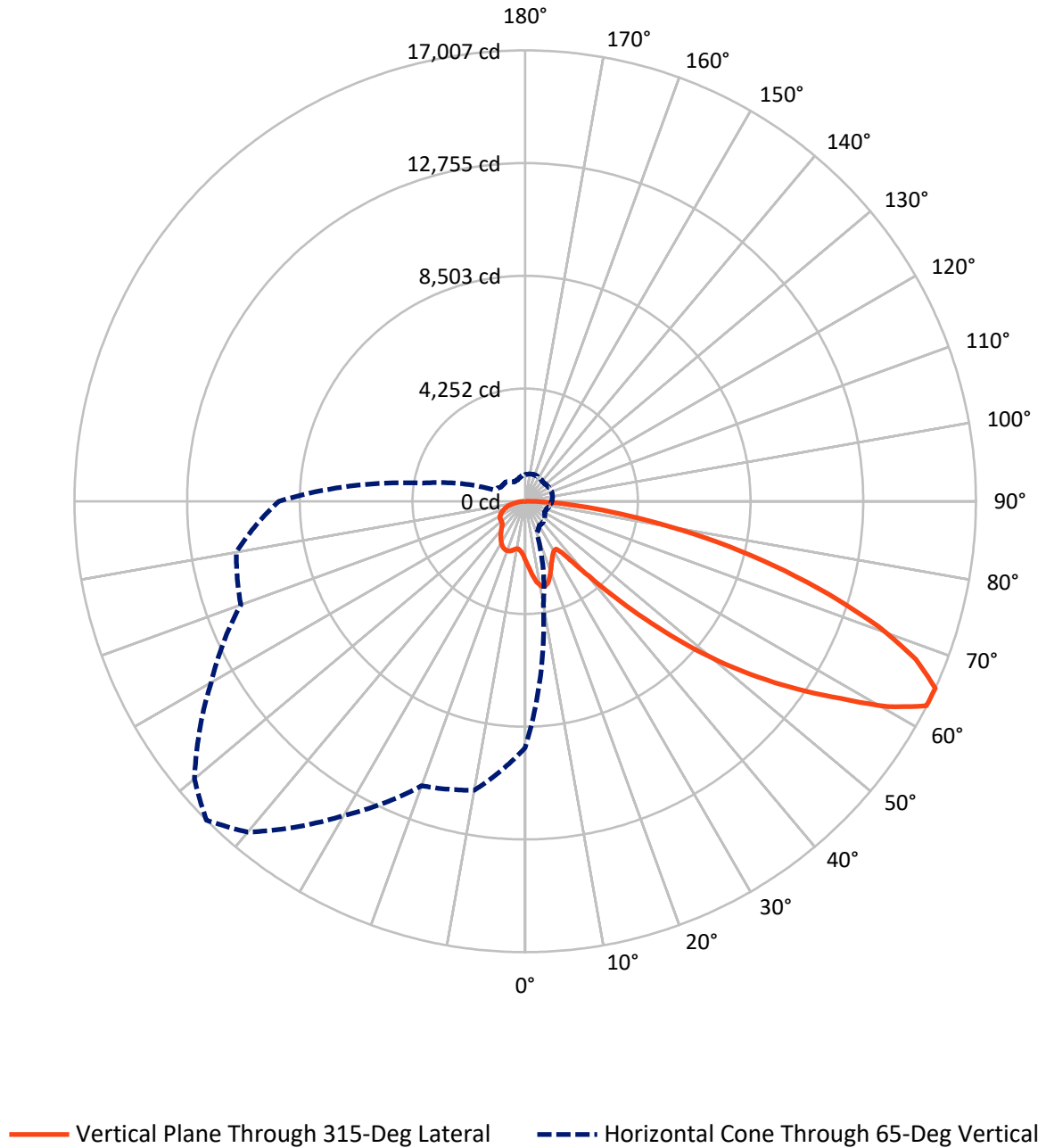
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	4141.4	0.0	4141.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	12153.6	0.0	12153.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	16295.0	0.0	16295.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.3	1.4
10°-20°	697.8	4.3
20°-30°	1077.8	6.6
30°-40°	1365.9	8.4
40°-50°	2060.1	12.6
50°-60°	3328.3	20.4
60°-70°	4149.3	25.5
70°-80°	2720.9	16.7
80°-90°	672.7	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°	16295.0	100.0
0°-180°	16295.0	100.0



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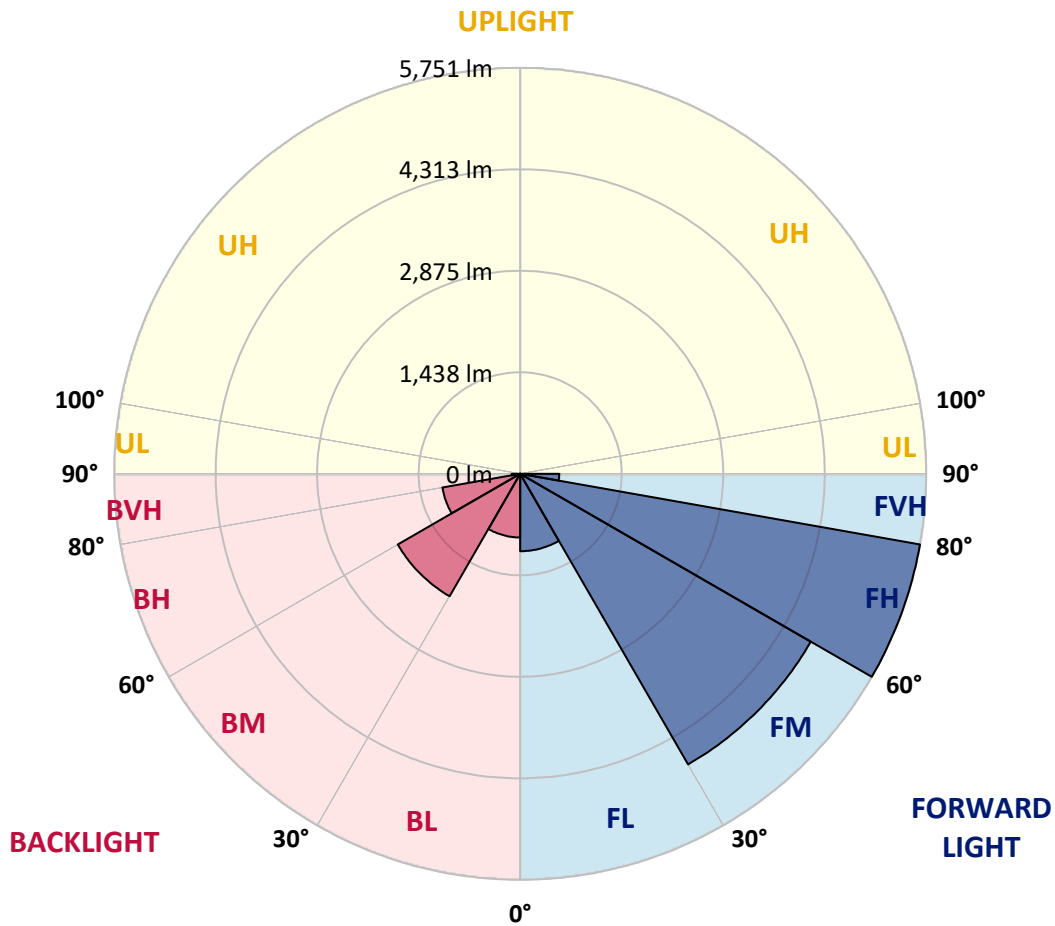
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1096.0	6.7			
FM (30°-60°)	4752.9	29.2			
FH (60°-80°)	5750.6	35.3			G3/7500
FVH (80°-90°)	554.1	3.4			G4/750
BL (0°-30°)	901.8	5.5	B2/1000		
BM (30°-60°)	2001.4	12.3	B2/2500		
BH (60°-80°)	1119.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	118.5	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°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2.5°	2409.7	2391.2	2372.7	2353.0	2333.4	2313.6	2293.8	2274.9	2256.0	2237.7
5°	2591.1	2550.2	2509.4	2468.6	2428.0	2387.0	2346.0	2307.8	2269.5	2233.4
7.5°	2773.4	2706.0	2638.6	2576.4	2514.1	2453.5	2392.9	2339.5	2286.1	2236.8
10°	2913.1	2827.9	2742.7	2660.4	2578.2	2504.6	2430.9	2367.8	2304.5	2243.7
12.5°	2998.6	2905.0	2811.5	2718.2	2625.0	2538.2	2451.4	2379.9	2308.5	2244.6
15°	3050.7	2953.1	2855.5	2754.4	2653.2	2553.2	2453.3	2370.5	2287.8	2217.1
17.5°	3079.9	2980.9	2882.0	2771.6	2661.3	2545.3	2429.2	2329.7	2230.2	2147.0
20°	3112.1	3009.3	2906.4	2785.1	2663.9	2523.2	2382.6	2259.3	2136.0	2039.1
22.5°	3149.5	3044.5	2939.3	2803.4	2667.3	2496.2	2325.1	2176.6	2028.2	1917.8
25°	3197.7	3094.7	2991.8	2836.4	2680.9	2469.6	2258.3	2084.4	1910.5	1797.5
27.5°	3263.0	3164.8	3066.6	2888.0	2709.3	2451.8	2194.3	2000.0	1805.8	1702.9
30°	3351.2	3256.2	3161.4	2954.8	2748.2	2443.4	2138.6	1929.5	1720.5	1634.1
32.5°	3455.2	3361.2	3267.3	3024.5	2781.7	2433.1	2084.4	1868.7	1653.0	1583.4
35°	3581.6	3491.7	3401.6	3104.0	2806.3	2413.7	2021.3	1809.0	1596.7	1538.7
37.5°	3794.4	3679.7	3565.0	3193.0	2820.9	2380.4	1939.9	1738.7	1537.4	1486.6
40°	4116.0	3948.8	3781.7	3305.9	2830.1	2334.6	1839.2	1654.7	1470.3	1424.3
42.5°	4542.5	4301.2	4059.9	3453.7	2847.6	2287.3	1727.2	1562.1	1397.0	1354.7
45°	5069.1	4743.7	4418.2	3648.2	2878.3	2243.4	1608.6	1463.8	1319.0	1276.0
47.5°	5727.7	5269.7	4811.6	3855.5	2899.3	2207.1	1514.8	1386.0	1257.1	1201.6
50°	6591.0	5900.5	5209.8	4047.7	2885.6	2167.5	1449.5	1334.3	1219.1	1146.1
52.5°	7581.9	6563.0	5544.1	4172.6	2800.9	2100.7	1400.7	1300.2	1199.9	1116.1
55°	8636.9	7150.5	5664.1	4145.0	2625.9	1990.0	1354.1	1275.5	1197.0	1119.1
57.5°	9596.5	7566.8	5537.1	3951.4	2365.8	1833.8	1301.8	1246.3	1190.9	1122.1
60°	10176.5	7670.8	5165.1	3591.1	2017.0	1631.1	1245.2	1201.6	1158.0	1112.6
62.5°	9882.0	7232.8	4583.6	3103.8	1624.0	1388.4	1152.9	1123.9	1095.0	1089.4
65°	9292.6	6612.9	3933.3	2606.6	1280.1	1170.1	1060.2	1046.5	1032.8	1033.5
67.5°	8502.8	5875.3	3247.7	2119.6	991.5	960.3	929.0	936.7	944.3	942.4
70°	7554.0	5070.4	2586.8	1668.9	751.1	760.0	768.9	804.3	839.6	839.6
72.5°	6423.3	4197.8	1972.4	1275.9	579.3	606.3	633.3	683.5	733.6	742.0
75°	4993.0	3197.6	1402.2	926.0	449.9	474.3	498.7	554.9	611.2	650.0
77.5°	3567.4	2238.0	908.7	627.5	346.3	362.9	379.6	434.2	488.8	552.9
80°	2334.9	1441.9	549.0	404.3	259.7	266.5	273.4	319.7	365.9	442.4
82.5°	1357.2	834.5	311.9	248.7	185.6	186.8	188.1	222.2	256.2	321.6
85°	597.1	375.4	153.7	132.9	112.2	111.6	110.9	135.9	160.8	209.4
87.5°	184.9	123.0	61.0	55.1	49.2	48.6	48.0	58.1	68.4	88.6
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°
2240.7	0°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2217.3	2.5°	2200.8	2184.4	2169.5	2154.7	2141.7	2128.8	2115.7	2102.7	2092.6	2082.5
2197.7	5°	2166.6	2135.4	2109.2	2083.2	2060.1	2037.1	2016.2	1995.2	1979.1	1963.0
2190.7	7.5°	2149.2	2107.9	2073.5	2039.1	2010.1	1981.0	1955.4	1929.9	1910.7	1891.6
2194.1	10°	2150.4	2106.7	2072.3	2038.0	2006.7	1975.4	1946.6	1917.8	1895.0	1872.0
2198.4	12.5°	2162.6	2127.0	2104.2	2081.5	2056.9	2032.5	2002.6	1972.9	1943.6	1914.4
2180.1	15°	2163.0	2146.0	2149.0	2152.1	2145.8	2139.4	2113.5	2087.7	2046.0	2004.4
2124.2	17.5°	2130.5	2136.7	2174.2	2211.6	2231.6	2251.5	2230.6	2209.7	2154.6	2099.5
2033.1	20°	2062.3	2091.5	2156.6	2221.8	2263.5	2305.2	2295.6	2285.8	2222.8	2159.9
1929.6	22.5°	1972.9	2016.1	2090.4	2164.9	2219.1	2273.4	2279.2	2285.0	2224.8	2164.6
1829.3	25°	1879.1	1929.0	1995.8	2062.7	2116.1	2169.5	2189.5	2209.3	2160.0	2110.7
1741.6	27.5°	1789.7	1837.9	1892.8	1947.7	1990.5	2033.3	2055.5	2077.8	2042.6	2007.5
1664.4	30°	1702.6	1741.0	1786.5	1832.1	1867.6	1903.2	1921.3	1939.3	1912.6	1885.8
1596.9	32.5°	1619.5	1642.1	1678.5	1714.9	1749.0	1783.1	1803.1	1823.3	1798.7	1774.0
1533.1	35°	1539.3	1545.5	1573.3	1601.0	1634.7	1668.5	1692.6	1716.6	1699.1	1681.6
1466.2	37.5°	1459.3	1452.4	1472.4	1492.2	1525.8	1559.5	1589.3	1619.0	1611.0	1602.9
1392.9	40°	1377.4	1361.8	1376.1	1390.5	1423.0	1455.5	1489.7	1524.0	1526.0	1527.9
1315.1	42.5°	1294.5	1273.8	1285.5	1297.3	1328.1	1359.0	1395.9	1432.9	1442.8	1452.7
1237.7	45°	1217.6	1197.6	1207.4	1217.3	1246.6	1275.8	1314.2	1352.5	1366.7	1380.9
1168.7	47.5°	1151.8	1135.0	1144.3	1153.5	1182.1	1210.6	1248.5	1286.3	1302.6	1319.0
1107.9	50°	1092.9	1078.0	1092.5	1107.0	1134.0	1160.9	1194.8	1228.7	1249.7	1270.6
1062.6	52.5°	1047.8	1033.1	1054.8	1076.5	1101.3	1125.9	1157.5	1189.1	1214.0	1238.8
1038.5	55°	1015.1	991.8	1022.7	1053.5	1080.1	1106.8	1134.5	1162.1	1188.4	1214.8
1024.1	57.5°	990.0	956.0	989.1	1022.3	1053.6	1084.9	1112.3	1139.7	1166.3	1192.7
1010.5	60°	966.4	922.2	951.3	980.4	1016.3	1052.3	1080.0	1107.9	1134.5	1161.2
994.6	62.5°	939.4	884.3	902.8	921.3	963.2	1005.1	1034.8	1064.5	1088.9	1113.3
961.3	65°	902.6	843.9	851.1	858.1	903.0	948.0	976.3	1004.7	1026.2	1047.7
901.8	67.5°	852.9	804.1	801.9	799.6	841.1	882.6	909.5	936.3	954.9	973.5
826.3	70°	791.6	756.8	749.1	741.3	777.8	814.3	837.5	860.7	877.5	894.2
742.2	72.5°	718.4	694.6	683.2	672.0	700.7	729.3	750.3	771.3	787.7	804.1
646.8	75°	628.4	610.0	599.2	588.3	609.6	630.9	649.9	668.9	683.9	698.9
551.1	77.5°	536.4	521.7	510.7	499.7	517.1	534.4	550.7	567.1	582.8	598.4
442.1	80°	429.8	417.4	408.2	399.0	413.4	427.8	441.5	455.3	467.2	479.1
325.2	82.5°	319.2	313.1	306.6	300.1	298.9	297.7	292.9	288.0	313.5	338.9
214.1	85°	207.6	201.2	193.9	186.6	180.4	174.1	160.8	147.5	171.3	195.2
94.6	87.5°	92.0	89.4	88.0	86.7	86.4	86.2	76.0	65.8	75.8	85.8
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2240.7	0°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2074.3	2.5°	2066.2	2059.8	2053.4	2047.6	2041.7	2034.3	2041.7	2047.6	2053.4	2059.8
1951.7	5°	1940.5	1932.5	1924.5	1918.4	1912.2	1906.2	1912.2	1918.4	1924.5	1932.5
1878.2	7.5°	1864.8	1855.6	1846.5	1841.0	1835.6	1831.4	1835.6	1841.0	1846.5	1855.6
1857.0	10°	1841.9	1833.2	1824.5	1819.9	1815.3	1813.4	1815.3	1819.9	1824.5	1833.2
1895.1	12.5°	1875.7	1866.0	1856.4	1852.4	1848.5	1847.8	1848.5	1852.4	1856.4	1866.0
1975.0	15°	1945.6	1932.1	1918.7	1913.5	1908.4	1908.0	1908.4	1913.5	1918.7	1932.1
2056.2	17.5°	2012.8	1992.9	1972.9	1966.3	1959.7	1958.7	1959.7	1966.3	1972.9	1992.9
2106.7	20°	2053.7	2028.2	2002.5	1994.4	1986.2	1983.6	1986.2	1994.4	2002.5	2028.2
2109.9	22.5°	2055.2	2028.2	2001.2	1992.2	1983.2	1979.3	1983.2	1992.2	2001.2	2028.2
2062.0	25°	2013.5	1990.1	1966.8	1958.3	1949.9	1944.9	1949.9	1958.3	1966.8	1990.1
1969.8	27.5°	1932.0	1916.4	1900.6	1896.8	1892.9	1891.6	1892.9	1896.8	1900.6	1916.4
1858.8	30°	1831.6	1823.6	1815.5	1815.5	1815.5	1816.8	1815.5	1815.5	1815.5	1823.6
1752.4	32.5°	1730.8	1725.6	1720.3	1721.0	1721.8	1723.1	1721.8	1721.0	1720.3	1725.6
1661.7	35°	1641.8	1633.8	1625.9	1624.2	1622.5	1621.6	1622.5	1624.2	1625.9	1633.8
1584.6	37.5°	1566.2	1551.6	1537.2	1529.5	1521.9	1517.6	1521.9	1529.5	1537.2	1551.6
1512.3	40°	1496.8	1475.6	1454.7	1440.4	1426.3	1417.9	1426.3	1440.4	1454.7	1475.6
1439.5	42.5°	1426.4	1400.2	1374.0	1353.3	1332.6	1319.0	1332.6	1353.3	1374.0	1400.2
1369.0	45°	1357.2	1327.2	1297.3	1273.0	1248.6	1233.0	1248.6	1273.0	1297.3	1327.2
1310.7	47.5°	1302.5	1275.8	1249.2	1226.6	1204.2	1189.1	1204.2	1226.6	1249.2	1275.8
1270.1	50°	1269.8	1248.5	1227.1	1206.3	1185.5	1171.1	1185.5	1206.3	1227.1	1248.5
1243.3	52.5°	1247.8	1230.4	1213.0	1194.4	1175.8	1162.5	1175.8	1194.4	1213.0	1230.4
1221.0	55°	1227.1	1212.0	1196.9	1180.5	1164.2	1152.2	1164.2	1180.5	1196.9	1212.0
1199.0	57.5°	1205.3	1190.0	1174.7	1158.5	1142.3	1129.8	1142.3	1158.5	1174.7	1190.0
1168.1	60°	1175.0	1160.0	1145.1	1128.4	1111.8	1098.9	1111.8	1128.4	1145.1	1160.0
1119.9	62.5°	1126.5	1113.0	1099.5	1082.0	1064.5	1049.0	1064.5	1082.0	1099.5	1113.0
1054.5	65°	1061.2	1048.2	1035.2	1018.2	1001.3	987.9	1001.3	1018.2	1035.2	1048.2
980.1	67.5°	986.6	974.7	962.8	947.0	931.2	919.2	931.2	947.0	962.8	974.7
900.6	70°	906.9	897.2	887.5	872.4	857.2	843.5	857.2	872.4	887.5	897.2
811.7	72.5°	819.2	811.2	803.1	788.6	774.3	760.9	774.3	788.6	803.1	811.2
706.8	75°	714.7	710.7	706.8	694.7	682.5	669.8	682.5	694.7	706.8	710.7
605.8	77.5°	613.2	607.7	602.0	589.8	577.6	567.5	577.6	589.8	602.0	607.7
488.9	80°	498.7	496.3	494.0	477.5	461.0	441.9	461.0	477.5	494.0	496.3
355.6	82.5°	372.3	371.3	370.2	356.3	342.4	330.2	342.4	356.3	370.2	371.3
215.8	85°	236.5	234.7	233.0	222.2	211.3	200.3	211.3	222.2	233.0	234.7
94.2	87.5°	102.5	100.4	98.2	92.7	87.0	81.7	87.0	92.7	98.2	100.4
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2240.7	0°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2066.2	2.5°	2074.3	2082.5	2092.6	2102.7	2115.7	2128.8	2141.7	2154.7	2169.5	2184.4
1940.5	5°	1951.7	1963.0	1979.1	1995.2	2016.2	2037.1	2060.1	2083.2	2109.2	2135.4
1864.8	7.5°	1878.2	1891.6	1910.7	1929.9	1955.4	1981.0	2010.1	2039.1	2073.5	2107.9
1841.9	10°	1857.0	1872.0	1895.0	1917.8	1946.6	1975.4	2006.7	2038.0	2072.3	2106.7
1875.7	12.5°	1895.1	1914.4	1943.6	1972.9	2002.6	2032.5	2056.9	2081.5	2104.2	2127.0
1945.6	15°	1975.0	2004.4	2046.0	2087.7	2113.5	2139.4	2145.8	2152.1	2149.0	2146.0
2012.8	17.5°	2056.2	2099.5	2154.6	2209.7	2230.6	2251.5	2231.6	2211.6	2174.2	2136.7
2053.7	20°	2106.7	2159.9	2222.8	2285.8	2295.6	2305.2	2263.5	2221.8	2156.6	2091.5
2055.2	22.5°	2109.9	2164.6	2224.8	2285.0	2279.2	2273.4	2219.1	2164.9	2090.4	2016.1
2013.5	25°	2062.0	2110.7	2160.0	2209.3	2189.5	2169.5	2116.1	2062.7	1995.8	1929.0
1932.0	27.5°	1969.8	2007.5	2042.6	2077.8	2055.5	2033.3	1990.5	1947.7	1892.8	1837.9
1831.6	30°	1858.8	1885.8	1912.6	1939.3	1921.3	1903.2	1867.6	1832.1	1786.5	1741.0
1730.8	32.5°	1752.4	1774.0	1798.7	1823.3	1803.1	1783.1	1749.0	1714.9	1678.5	1642.1
1641.8	35°	1661.7	1681.6	1699.1	1716.6	1692.6	1668.5	1634.7	1601.0	1573.3	1545.5
1566.2	37.5°	1584.6	1602.9	1611.0	1619.0	1589.3	1559.5	1525.8	1492.2	1472.4	1452.4
1496.8	40°	1512.3	1527.9	1526.0	1524.0	1489.7	1455.5	1423.0	1390.5	1376.1	1361.8
1426.4	42.5°	1439.5	1452.7	1442.8	1432.9	1395.9	1359.0	1328.1	1297.3	1285.5	1273.8
1357.2	45°	1369.0	1380.9	1366.7	1352.5	1314.2	1275.8	1246.6	1217.3	1207.4	1197.6
1302.5	47.5°	1310.7	1319.0	1302.6	1286.3	1248.5	1210.6	1182.1	1153.5	1144.3	1135.0
1269.8	50°	1270.1	1270.6	1249.7	1228.7	1194.8	1160.9	1134.0	1107.0	1092.5	1078.0
1247.8	52.5°	1243.3	1238.8	1214.0	1189.1	1157.5	1125.9	1101.3	1076.5	1054.8	1033.1
1227.1	55°	1221.0	1214.8	1188.4	1162.1	1134.5	1106.8	1080.1	1053.5	1022.7	991.8
1205.3	57.5°	1199.0	1192.7	1166.3	1139.7	1112.3	1084.9	1053.6	1022.3	989.1	956.0
1175.0	60°	1168.1	1161.2	1134.5	1107.9	1080.0	1052.3	1016.3	980.4	951.3	922.2
1126.5	62.5°	1119.9	1113.3	1088.9	1064.5	1034.8	1005.1	963.2	921.3	902.8	884.3
1061.2	65°	1054.5	1047.7	1026.2	1004.7	976.3	948.0	903.0	858.1	851.1	843.9
986.6	67.5°	980.1	973.5	954.9	936.3	909.5	882.6	841.1	799.6	801.9	804.1
906.9	70°	900.6	894.2	877.5	860.7	837.5	814.3	777.8	741.3	749.1	756.8
819.2	72.5°	811.7	804.1	787.7	771.3	750.3	729.3	700.7	672.0	683.2	694.6
714.7	75°	706.8	698.9	683.9	668.9	649.9	630.9	609.6	588.3	599.2	610.0
613.2	77.5°	605.8	598.4	582.8	567.1	550.7	534.4	517.1	499.7	510.7	521.7
498.7	80°	488.9	479.1	467.2	455.3	441.5	427.8	413.4	399.0	408.2	417.4
372.3	82.5°	355.6	338.9	313.5	288.0	292.9	297.7	298.9	300.1	306.6	313.1
236.5	85°	215.8	195.2	171.3	147.5	160.8	174.1	180.4	186.6	193.9	201.2
102.5	87.5°	94.2	85.8	75.8	65.8	76.0	86.2	86.4	86.7	88.0	89.4
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°
2240.7	0°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2200.8	2.5°	2217.3	2237.7	2256.0	2274.9	2293.8	2313.6	2333.4	2353.0	2372.7	2391.2
2166.6	5°	2197.7	2233.4	2269.5	2307.8	2346.0	2387.0	2428.0	2468.6	2509.4	2550.2
2149.2	7.5°	2190.7	2236.8	2286.1	2339.5	2392.9	2453.5	2514.1	2576.4	2638.6	2706.0
2150.4	10°	2194.1	2243.7	2304.5	2367.8	2430.9	2504.6	2578.2	2660.4	2742.7	2827.9
2162.6	12.5°	2198.4	2244.6	2308.5	2379.9	2451.4	2538.2	2625.0	2718.2	2811.5	2905.0
2163.0	15°	2180.1	2217.1	2287.8	2370.5	2453.3	2553.2	2653.2	2754.4	2855.5	2953.1
2130.5	17.5°	2124.2	2147.0	2230.2	2329.7	2429.2	2545.3	2661.3	2771.6	2882.0	2980.9
2062.3	20°	2033.1	2039.1	2136.0	2259.3	2382.6	2523.2	2663.9	2785.1	2906.4	3009.3
1972.9	22.5°	1929.6	1917.8	2028.2	2176.6	2325.1	2496.2	2667.3	2803.4	2939.3	3044.5
1879.1	25°	1829.3	1797.5	1910.5	2084.4	2258.3	2469.6	2680.9	2836.4	2991.8	3094.7
1789.7	27.5°	1741.6	1702.9	1805.8	2000.0	2194.3	2451.8	2709.3	2888.0	3066.6	3164.8
1702.6	30°	1664.4	1634.1	1720.5	1929.5	2138.6	2443.4	2748.2	2954.8	3161.4	3256.2
1619.5	32.5°	1596.9	1583.4	1653.0	1868.7	2084.4	2433.1	2781.7	3024.5	3267.3	3361.2
1539.3	35°	1533.1	1538.7	1596.7	1809.0	2021.3	2413.7	2806.3	3104.0	3401.6	3491.7
1459.3	37.5°	1466.2	1486.6	1537.4	1738.7	1939.9	2380.4	2820.9	3193.0	3565.0	3679.7
1377.4	40°	1392.9	1424.3	1470.3	1654.7	1839.2	2334.6	2830.1	3305.9	3781.7	3948.8
1294.5	42.5°	1315.1	1354.7	1397.0	1562.1	1727.2	2287.3	2847.6	3453.7	4059.9	4301.2
1217.6	45°	1237.7	1276.0	1319.0	1463.8	1608.6	2243.4	2878.3	3648.2	4418.2	4743.7
1151.8	47.5°	1168.7	1201.6	1257.1	1386.0	1514.8	2207.1	2899.3	3855.5	4811.6	5269.7
1092.9	50°	1107.9	1146.1	1219.1	1334.3	1449.5	2167.5	2885.6	4047.7	5209.8	5900.5
1047.8	52.5°	1062.6	1116.1	1199.9	1300.2	1400.7	2100.7	2800.9	4172.6	5544.1	6563.0
1015.1	55°	1038.5	1119.1	1197.0	1275.5	1354.1	1990.0	2625.9	4145.0	5664.1	7150.5
990.0	57.5°	1024.1	1122.1	1190.9	1246.3	1301.8	1833.8	2365.8	3951.4	5537.1	7566.8
966.4	60°	1010.5	1112.6	1158.0	1201.6	1245.2	1631.1	2017.0	3591.1	5165.1	7670.8
939.4	62.5°	994.6	1089.4	1095.0	1123.9	1152.9	1388.4	1624.0	3103.8	4583.6	7232.8
902.6	65°	961.3	1033.5	1032.8	1046.5	1060.2	1170.1	1280.1	2606.6	3933.3	6612.9
852.9	67.5°	901.8	942.4	944.3	936.7	929.0	960.3	991.5	2119.6	3247.7	5875.3
791.6	70°	826.3	839.6	839.6	804.3	768.9	760.0	751.1	1668.9	2586.8	5070.4
718.4	72.5°	742.2	742.0	733.6	683.5	633.3	606.3	579.3	1275.9	1972.4	4197.8
628.4	75°	646.8	650.0	611.2	554.9	498.7	474.3	449.9	926.0	1402.2	3197.6
536.4	77.5°	551.1	552.9	488.8	434.2	379.6	362.9	346.3	627.5	908.7	2238.0
429.8	80°	442.1	442.4	365.9	319.7	273.4	266.5	259.7	404.3	549.0	1441.9
319.2	82.5°	325.2	321.6	256.2	222.2	188.1	186.8	185.6	248.7	311.9	834.5
207.6	85°	214.1	209.4	160.8	135.9	110.9	111.6	112.2	132.9	153.7	375.4
92.0	87.5°	94.6	88.6	68.4	58.1	48.0	48.6	49.2	55.1	61.0	123.0
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°
2240.7	0°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2409.7	2.5°	2418.8	2428.0	2441.0	2453.9	2461.7	2469.4	2473.3	2477.2	2475.4	2477.2
2591.1	5°	2623.0	2655.0	2686.6	2718.3	2735.5	2752.7	2763.1	2773.6	2781.5	2773.6
2773.4	7.5°	2825.3	2877.1	2923.8	2970.5	2998.6	3026.8	3042.0	3057.1	3064.4	3057.1
2913.1	10°	2974.5	3035.9	3090.6	3145.4	3178.6	3211.6	3226.4	3241.1	3246.7	3241.1
2998.6	12.5°	3065.2	3131.7	3181.2	3230.5	3254.6	3278.7	3286.8	3294.8	3295.7	3294.8
3050.7	15°	3108.1	3165.4	3196.5	3227.6	3228.5	3229.3	3220.7	3212.1	3202.0	3212.1
3079.9	17.5°	3118.7	3157.4	3158.0	3158.6	3123.7	3088.9	3057.0	3025.0	3002.5	3025.0
3112.1	20°	3125.6	3139.2	3098.4	3057.5	2980.7	2903.8	2847.8	2791.9	2757.5	2791.9
3149.5	22.5°	3131.8	3114.1	3029.5	2944.9	2831.8	2718.8	2648.8	2578.8	2540.8	2578.8
3197.7	25°	3141.8	3085.9	2957.5	2829.0	2691.7	2554.4	2480.8	2407.3	2371.4	2407.3
3263.0	27.5°	3163.1	3063.1	2893.0	2722.9	2570.7	2418.5	2346.1	2273.8	2239.8	2273.8
3351.2	30°	3202.2	3053.2	2843.8	2634.3	2475.8	2317.2	2250.1	2182.9	2151.3	2182.9
3455.2	32.5°	3251.2	3047.2	2810.3	2573.3	2424.3	2275.3	2222.6	2169.8	2147.0	2169.8
3581.6	35°	3331.9	3082.3	2835.4	2588.5	2485.0	2381.5	2369.2	2357.0	2355.1	2357.0
3794.4	37.5°	3500.7	3207.0	2982.6	2758.1	2751.4	2744.7	2801.0	2857.2	2886.4	2857.2
4116.0	40°	3796.6	3477.1	3310.2	3143.3	3261.1	3378.9	3515.7	3652.4	3720.5	3652.4
4542.5	42.5°	4225.5	3908.6	3812.5	3716.3	3973.2	4230.2	4478.8	4727.5	4873.5	4727.5
5069.1	45°	4784.4	4499.6	4457.2	4414.8	4826.4	5238.1	5646.6	6055.3	6303.4	6055.3
5727.7	47.5°	5450.8	5173.7	5165.1	5156.5	5750.3	6344.0	6942.1	7540.2	7891.5	7540.2
6591.0	50°	6248.9	5906.8	5908.3	5909.7	6675.0	7440.2	8229.8	9019.4	9496.8	9019.4
7581.9	52.5°	7167.7	6753.5	6711.6	6669.7	7583.7	8497.8	9474.8	10451.6	11023.8	10451.6
8636.9	55°	8227.7	7818.4	7655.1	7491.8	8509.2	9526.4	10691.1	11855.7	12536.2	11855.7
9596.5	57.5°	9373.6	9150.7	8823.2	8495.8	9523.0	10550.2	11869.4	13188.4	14032.3	13188.4
10176.5	60°	10522.6	10868.9	10462.2	10055.5	11027.6	11999.7	13412.1	14824.4	15736.5	14824.4
9882.0	62.5°	10827.9	11773.7	11727.9	11682.0	12572.5	13463.1	14806.9	16150.5	16993.6	16150.5
9292.6	65°	10180.3	11068.1	11243.8	11419.3	12551.0	13682.8	14985.8	16288.7	17006.5	16288.7
8502.8	67.5°	9347.2	10191.5	10273.9	10356.2	11535.3	12714.4	14023.0	15331.5	15893.9	15331.5
7554.0	70°	8472.4	9390.8	9427.6	9464.5	10519.0	11573.4	12699.5	13825.5	14138.1	13825.5
6423.3	72.5°	7477.2	8531.2	8557.7	8584.1	9409.1	10234.1	11077.5	11920.8	11952.4	11920.8
4993.0	75°	6083.8	7174.5	7272.5	7370.4	8012.3	8654.1	9247.8	9841.6	9682.5	9841.6
3567.4	77.5°	4585.6	5603.9	5744.1	5884.2	6372.2	6860.1	7281.2	7702.3	7428.9	7702.3
2334.9	80°	3191.5	4048.1	4222.3	4396.5	4765.0	5133.3	5354.5	5575.5	5135.7	5575.5
1357.2	82.5°	1942.9	2528.6	2723.2	2917.8	3171.5	3425.1	3517.4	3609.5	3263.9	3609.5
597.1	85°	908.0	1218.8	1384.3	1549.8	1758.3	1966.6	2019.0	2071.3	1794.5	2071.3
184.9	87.5°	289.3	393.8	486.1	578.5	682.7	786.9	791.4	795.8	668.1	795.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
2240.7	0°	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7	2240.7
2473.3	2.5°	2469.4	2461.7	2453.9	2441.0	2428.0	2418.8	2409.7
2763.1	5°	2752.7	2735.5	2718.3	2686.6	2655.0	2623.0	2591.1
3042.0	7.5°	3026.8	2998.6	2970.5	2923.8	2877.1	2825.3	2773.4
3226.4	10°	3211.6	3178.6	3145.4	3090.6	3035.9	2974.5	2913.1
3286.8	12.5°	3278.7	3254.6	3230.5	3181.2	3131.7	3065.2	2998.6
3220.7	15°	3229.3	3228.5	3227.6	3196.5	3165.4	3108.1	3050.7
3057.0	17.5°	3088.9	3123.7	3158.6	3158.0	3157.4	3118.7	3079.9
2847.8	20°	2903.8	2980.7	3057.5	3098.4	3139.2	3125.6	3112.1
2648.8	22.5°	2718.8	2831.8	2944.9	3029.5	3114.1	3131.8	3149.5
2480.8	25°	2554.4	2691.7	2829.0	2957.5	3085.9	3141.8	3197.7
2346.1	27.5°	2418.5	2570.7	2722.9	2893.0	3063.1	3163.1	3263.0
2250.1	30°	2317.2	2475.8	2634.3	2843.8	3053.2	3202.2	3351.2
2222.6	32.5°	2275.3	2424.3	2573.3	2810.3	3047.2	3251.2	3455.2
2369.2	35°	2381.5	2485.0	2588.5	2835.4	3082.3	3331.9	3581.6
2801.0	37.5°	2744.7	2751.4	2758.1	2982.6	3207.0	3500.7	3794.4
3515.7	40°	3378.9	3261.1	3143.3	3310.2	3477.1	3796.6	4116.0
4478.8	42.5°	4230.2	3973.2	3716.3	3812.5	3908.6	4225.5	4542.5
5646.6	45°	5238.1	4826.4	4414.8	4457.2	4499.6	4784.4	5069.1
6942.1	47.5°	6344.0	5750.3	5156.5	5165.1	5173.7	5450.8	5727.7
8229.8	50°	7440.2	6675.0	5909.7	5908.3	5906.8	6248.9	6591.0
9474.8	52.5°	8497.8	7583.7	6669.7	6711.6	6753.5	7167.7	7581.9
10691.1	55°	9526.4	8509.2	7491.8	7655.1	7818.4	8227.7	8636.9
11869.4	57.5°	10550.2	9523.0	8495.8	8823.2	9150.7	9373.6	9596.5
13412.1	60°	11999.7	11027.6	10055.5	10462.2	10868.9	10522.6	10176.5
14806.9	62.5°	13463.1	12572.5	11682.0	11727.9	11773.7	10827.9	9882.0
14985.8	65°	13682.8	12551.0	11419.3	11243.8	11068.1	10180.3	9292.6
14023.0	67.5°	12714.4	11535.3	10356.2	10273.9	10191.5	9347.2	8502.8
12699.5	70°	11573.4	10519.0	9464.5	9427.6	9390.8	8472.4	7554.0
11077.5	72.5°	10234.1	9409.1	8584.1	8557.7	8531.2	7477.2	6423.3
9247.8	75°	8654.1	8012.3	7370.4	7272.5	7174.5	6083.8	4993.0
7281.2	77.5°	6860.1	6372.2	5884.2	5744.1	5603.9	4585.6	3567.4
5354.5	80°	5133.3	4765.0	4396.5	4222.3	4048.1	3191.5	2334.9
3517.4	82.5°	3425.1	3171.5	2917.8	2723.2	2528.6	1942.9	1357.2
2019.0	85°	1966.6	1758.3	1549.8	1384.3	1218.8	908.0	597.1
791.4	87.5°	786.9	682.7	578.5	486.1	393.8	289.3	184.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)