

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: P948244

Luminaire Tested: **GALN-SB3B-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948244
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-SB3B-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15615 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

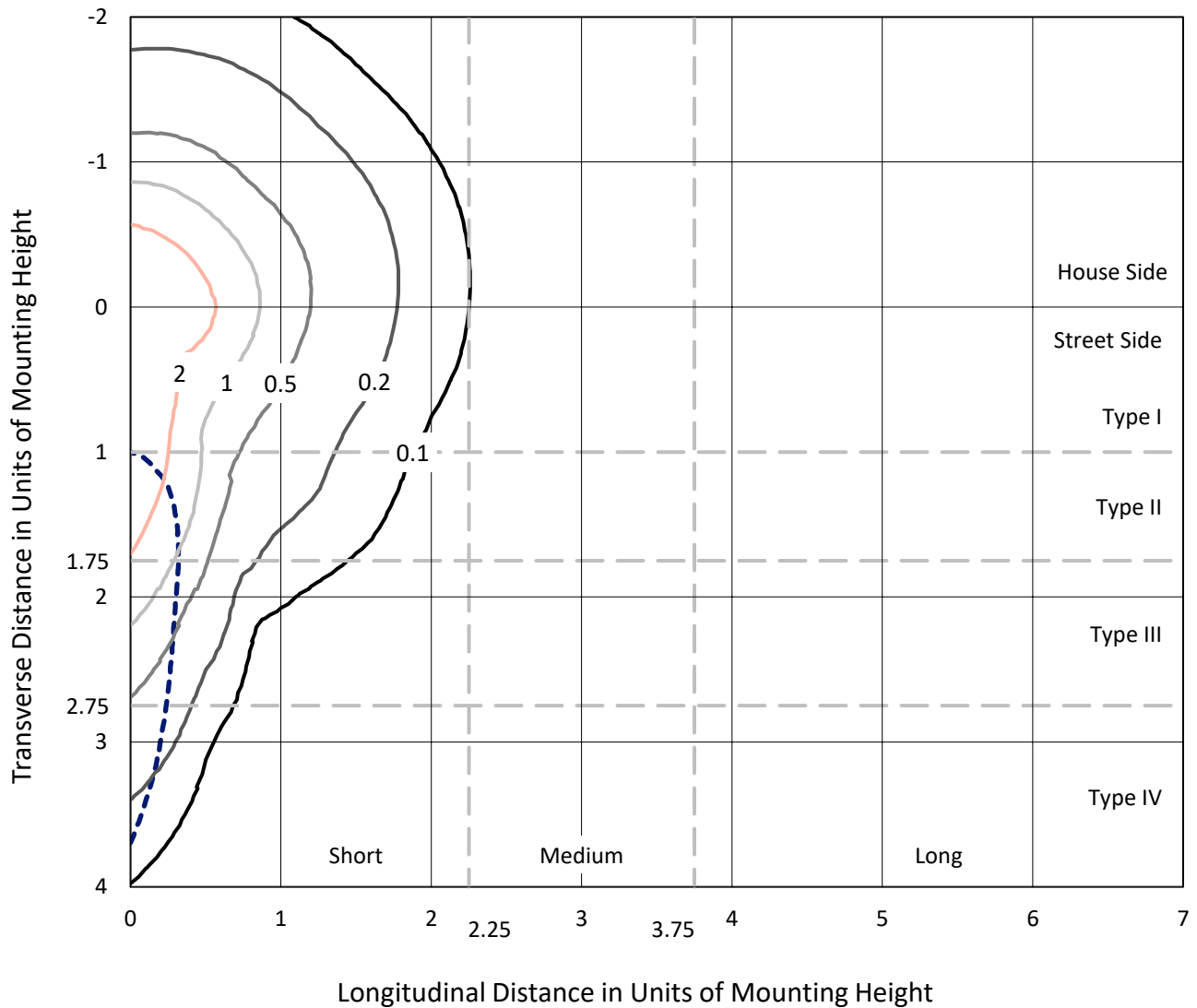
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

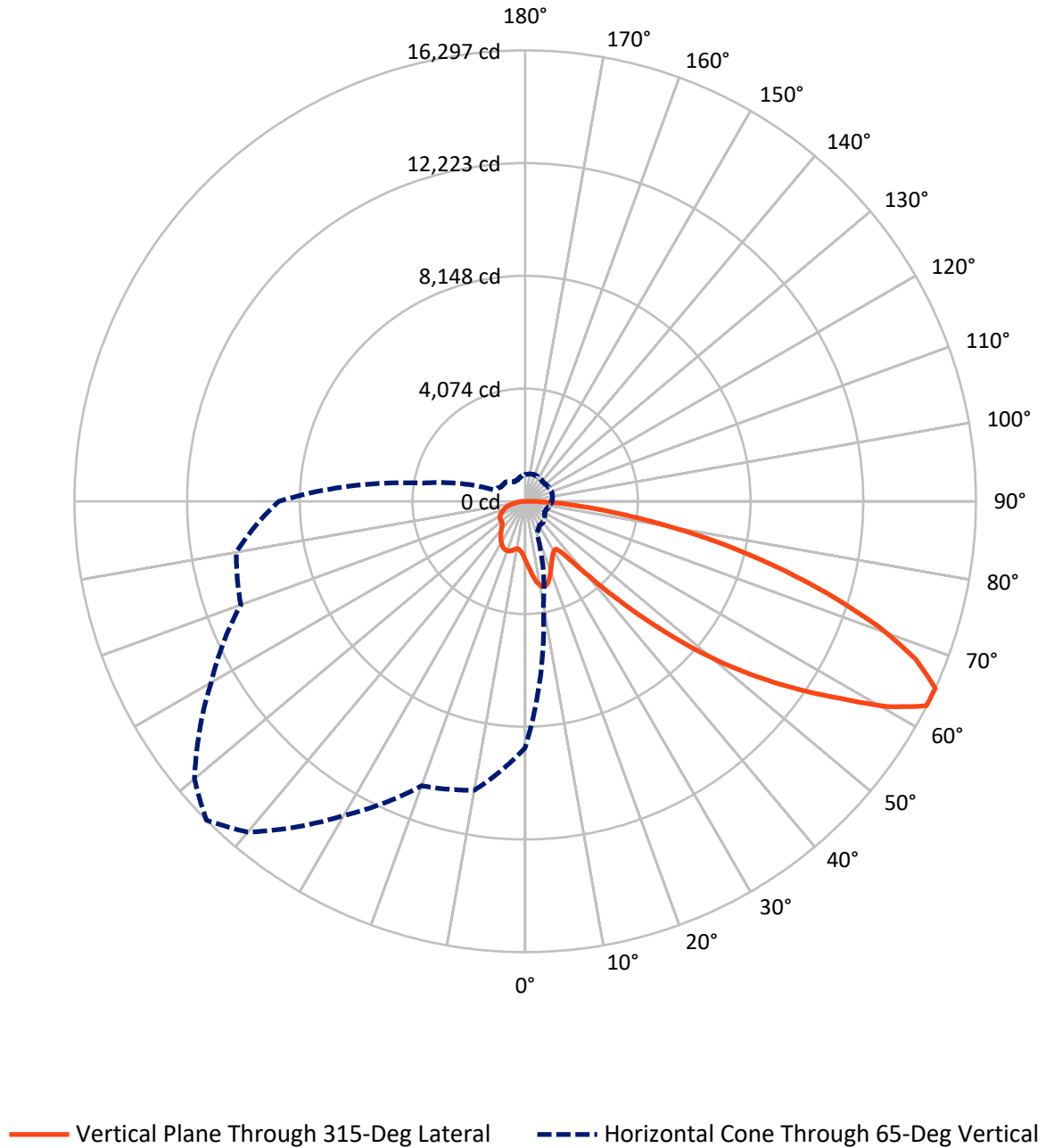
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	3968.6	0.0	3968.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11646.5	0.0	11646.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	15615.0	0.0	15615.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.0	1.4
10°-20°	668.7	4.3
20°-30°	1032.8	6.6
30°-40°	1308.9	8.4
40°-50°	1974.1	12.6
50°-60°	3189.4	20.4
60°-70°	3976.1	25.5
70°-80°	2607.4	16.7
80°-90°	644.6	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°	15615.0	100.0
0°-180°	15615.0	100.0



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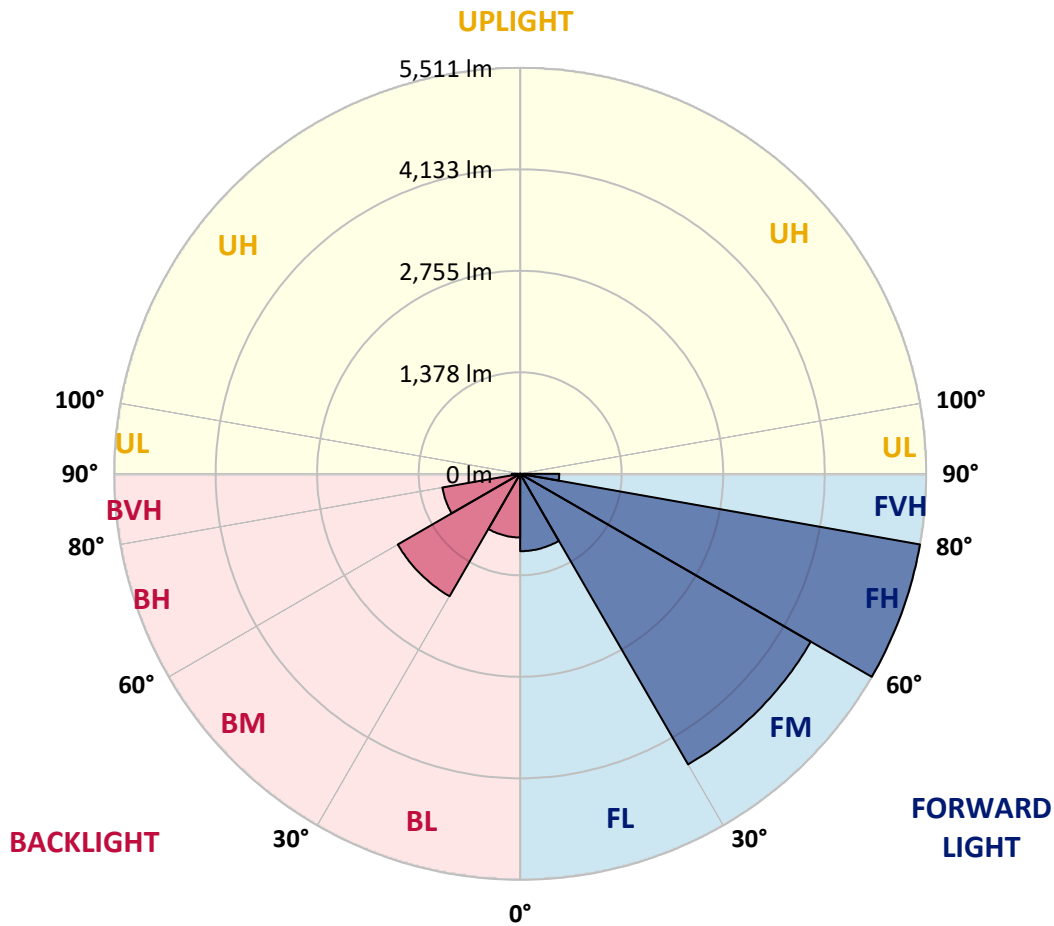
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1050.3	6.7			
FM (30°-60°)	4554.6	29.2			
FH (60°-80°)	5510.6	35.3			G3/7500
FVH (80°-90°)	531.0	3.4			G4/750
BL (0°-30°)	864.2	5.5	B2/1000		
BM (30°-60°)	1917.8	12.3	B2/2500		
BH (60°-80°)	1072.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	113.6	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
2.5°	2309.1	2291.4	2273.7	2254.8	2236.0	2217.1	2198.1	2180.0	2161.9	2144.3
5°	2483.0	2443.8	2404.7	2365.6	2326.7	2287.3	2248.1	2211.5	2174.8	2140.2
7.5°	2657.6	2593.0	2528.5	2468.9	2409.2	2351.1	2293.0	2241.9	2190.7	2143.5
10°	2791.5	2709.9	2628.2	2549.4	2470.6	2400.1	2329.5	2269.0	2208.3	2150.1
12.5°	2873.5	2783.8	2694.1	2604.8	2515.5	2432.3	2349.1	2280.6	2212.1	2150.9
15°	2923.4	2829.8	2736.3	2639.4	2542.5	2446.7	2350.9	2271.6	2192.3	2124.5
17.5°	2951.4	2856.5	2761.7	2656.0	2550.3	2439.0	2327.8	2232.5	2137.1	2057.4
20°	2982.3	2883.7	2785.1	2668.9	2552.7	2417.9	2283.1	2165.0	2046.8	1954.0
22.5°	3018.1	2917.4	2816.7	2686.4	2556.0	2392.1	2228.1	2085.8	1943.5	1837.8
25°	3064.2	2965.5	2866.9	2718.0	2569.1	2366.5	2164.1	1997.4	1830.8	1722.5
27.5°	3126.9	3032.8	2938.6	2767.5	2596.2	2349.5	2102.7	1916.6	1730.4	1631.8
30°	3211.3	3120.4	3029.5	2831.5	2633.5	2341.5	2049.3	1849.0	1648.7	1565.9
32.5°	3311.0	3221.0	3131.0	2898.3	2665.6	2331.6	1997.4	1790.8	1584.0	1517.3
35°	3432.1	3346.0	3259.7	2974.4	2689.2	2313.0	1936.9	1733.5	1530.1	1474.4
37.5°	3636.1	3526.1	3416.2	3059.7	2703.2	2281.1	1859.0	1666.1	1473.2	1424.6
40°	3944.2	3784.0	3623.9	3168.0	2712.0	2237.2	1762.4	1585.7	1408.9	1364.9
42.5°	4352.9	4121.7	3890.5	3309.6	2728.7	2191.9	1655.1	1496.9	1338.7	1298.1
45°	4857.6	4545.7	4233.8	3496.0	2758.2	2149.8	1541.4	1402.7	1263.9	1222.7
47.5°	5488.7	5049.8	4610.8	3694.6	2778.3	2115.0	1451.6	1328.1	1204.6	1151.5
50°	6315.9	5654.2	4992.4	3878.8	2765.2	2077.1	1389.0	1278.6	1168.2	1098.3
52.5°	7265.5	6289.2	5312.8	3998.4	2684.0	2013.1	1342.2	1246.0	1149.8	1069.5
55°	8276.5	6852.1	5427.7	3972.1	2516.3	1906.9	1297.5	1222.3	1147.1	1072.4
57.5°	9196.0	7251.0	5306.0	3786.5	2267.1	1757.3	1247.5	1194.3	1141.2	1075.2
60°	9751.8	7350.7	4949.6	3441.2	1932.8	1563.0	1193.2	1151.5	1109.7	1066.2
62.5°	9469.6	6930.9	4392.3	2974.3	1556.3	1330.5	1104.7	1077.0	1049.3	1043.9
65°	8904.8	6337.0	3769.1	2497.9	1226.7	1121.3	1015.9	1002.8	989.7	990.4
67.5°	8148.0	5630.1	3112.2	2031.2	950.2	920.3	890.3	897.6	904.9	903.0
70°	7238.8	4858.8	2478.8	1599.3	719.7	728.3	736.8	770.7	804.6	804.6
72.5°	6155.3	4022.7	1890.1	1222.6	555.2	581.0	606.8	655.0	703.0	711.1
75°	4784.6	3064.2	1343.7	887.4	431.1	454.5	477.9	531.8	585.7	622.9
77.5°	3418.5	2144.6	870.7	601.3	331.9	347.8	363.8	416.1	468.4	529.8
80°	2237.4	1381.8	526.1	387.4	248.8	255.4	262.0	306.3	350.6	423.9
82.5°	1300.6	799.7	298.9	238.3	177.8	179.0	180.3	212.9	245.5	308.2
85°	572.2	359.7	147.3	127.4	107.5	106.9	106.3	130.2	154.1	200.6
87.5°	177.1	117.8	58.5	52.8	47.1	46.6	46.0	55.7	65.5	84.9
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°
2147.2	0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
2124.8	2.5°	2109.0	2093.2	2079.0	2064.8	2052.4	2039.9	2027.4	2015.0	2005.3	1995.6
2106.0	5°	2076.2	2046.3	2021.2	1996.3	1974.2	1952.1	1932.1	1912.0	1896.6	1881.1
2099.2	7.5°	2059.5	2019.9	1986.9	1954.0	1926.2	1898.4	1873.8	1849.3	1831.0	1812.7
2102.5	10°	2060.7	2018.8	1985.9	1952.9	1923.0	1893.0	1865.4	1837.8	1815.9	1793.9
2106.7	12.5°	2072.4	2038.3	2016.4	1994.6	1971.0	1947.6	1919.0	1890.5	1862.5	1834.5
2089.1	15°	2072.7	2056.4	2059.4	2062.3	2056.2	2050.1	2025.3	2000.5	1960.7	1920.8
2035.6	17.5°	2041.6	2047.5	2083.4	2119.3	2138.5	2157.5	2137.5	2117.5	2064.7	2011.9
1948.2	20°	1976.2	2004.2	2066.6	2129.1	2169.0	2209.0	2199.8	2190.5	2130.1	2069.7
1849.1	22.5°	1890.5	1932.0	2003.2	2074.5	2126.5	2178.5	2184.1	2189.6	2132.0	2074.3
1752.9	25°	1800.7	1848.5	1912.5	1976.6	2027.8	2079.0	2098.1	2117.1	2069.8	2022.6
1668.9	27.5°	1715.0	1761.2	1813.8	1866.4	1907.4	1948.5	1969.7	1991.1	1957.4	1923.7
1595.0	30°	1631.6	1668.3	1712.0	1755.7	1789.7	1823.8	1841.1	1858.4	1832.8	1807.1
1530.2	32.5°	1551.9	1573.6	1608.4	1643.4	1676.0	1708.7	1727.9	1747.2	1723.6	1700.0
1469.1	35°	1475.0	1481.0	1507.7	1534.2	1566.5	1598.9	1621.9	1645.0	1628.2	1611.5
1405.0	37.5°	1398.4	1391.8	1410.9	1430.0	1462.2	1494.5	1523.0	1551.5	1543.7	1536.0
1334.8	40°	1319.9	1305.0	1318.7	1332.5	1363.6	1394.8	1427.6	1460.4	1462.3	1464.1
1260.2	42.5°	1240.4	1220.7	1231.9	1243.2	1272.7	1302.2	1337.7	1373.1	1382.6	1392.1
1186.1	45°	1166.8	1147.6	1157.0	1166.5	1194.6	1222.6	1259.3	1296.1	1309.7	1323.3
1119.9	47.5°	1103.8	1087.6	1096.5	1105.3	1132.8	1160.1	1196.4	1232.6	1248.3	1263.9
1061.7	50°	1047.3	1033.1	1046.9	1060.8	1086.7	1112.5	1145.0	1177.4	1197.5	1217.6
1018.2	52.5°	1004.1	990.0	1010.8	1031.6	1055.3	1079.0	1109.2	1139.5	1163.3	1187.1
995.2	55°	972.7	950.4	980.0	1009.5	1035.0	1060.6	1087.1	1113.6	1138.8	1164.1
981.3	57.5°	948.7	916.1	947.9	979.7	1009.7	1039.7	1065.9	1092.1	1117.6	1143.0
968.3	60°	926.0	883.7	911.6	939.5	973.9	1008.3	1035.0	1061.7	1087.2	1112.7
953.1	62.5°	900.2	847.4	865.1	882.9	923.0	963.2	991.6	1020.0	1043.4	1066.8
921.2	65°	865.0	808.7	815.5	822.3	865.3	908.4	935.6	962.8	983.4	1004.0
864.2	67.5°	817.4	770.6	768.4	766.3	806.0	845.8	871.6	897.3	915.1	932.9
791.8	70°	758.5	725.2	717.8	710.4	745.3	780.3	802.5	824.8	840.8	856.9
711.2	72.5°	688.4	665.6	654.7	643.9	671.4	698.9	719.0	739.1	754.8	770.6
619.8	75°	602.2	584.6	574.2	563.7	584.2	604.6	622.8	641.0	655.4	669.7
528.1	77.5°	514.1	500.0	489.4	478.9	495.5	512.1	527.7	543.4	558.5	573.5
423.7	80°	411.9	400.0	391.2	382.3	396.2	409.9	423.1	436.3	447.7	459.1
311.6	82.5°	305.8	300.1	293.8	287.6	286.4	285.2	280.6	276.0	300.4	324.8
205.2	85°	199.0	192.8	185.8	178.8	172.9	166.8	154.1	141.3	164.1	187.0
90.6	87.5°	88.2	85.7	84.4	83.1	82.8	82.6	72.8	63.0	72.6	82.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2147.2	0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
1987.8	2.5°	1979.9	1973.8	1967.7	1962.1	1956.5	1949.5	1956.5	1962.1	1967.7	1973.8
1870.3	5°	1859.5	1851.8	1844.2	1838.3	1832.5	1826.7	1832.5	1838.3	1844.2	1851.8
1799.8	7.5°	1787.0	1778.2	1769.4	1764.1	1759.0	1755.0	1759.0	1764.1	1769.4	1778.2
1779.6	10°	1765.1	1756.7	1748.4	1744.0	1739.5	1737.7	1739.5	1744.0	1748.4	1756.7
1816.0	12.5°	1797.4	1788.1	1778.9	1775.1	1771.3	1770.7	1771.3	1775.1	1778.9	1788.1
1892.6	15°	1864.4	1851.5	1838.6	1833.7	1828.7	1828.3	1828.7	1833.7	1838.6	1851.5
1970.4	17.5°	1928.9	1909.7	1890.5	1884.3	1877.9	1876.9	1877.9	1884.3	1890.5	1909.7
2018.8	20°	1968.0	1943.5	1919.0	1911.1	1903.3	1900.8	1903.3	1911.1	1919.0	1943.5
2021.9	22.5°	1969.4	1943.6	1917.7	1909.1	1900.4	1896.7	1900.4	1909.1	1917.7	1943.6
1976.0	25°	1929.5	1907.1	1884.8	1876.6	1868.5	1863.8	1868.5	1876.6	1884.8	1907.1
1887.6	27.5°	1851.4	1836.4	1821.3	1817.6	1813.9	1812.7	1813.9	1817.6	1821.3	1836.4
1781.2	30°	1755.2	1747.5	1739.8	1739.8	1739.8	1741.0	1739.8	1739.8	1739.8	1747.5
1679.3	32.5°	1658.6	1653.6	1648.5	1649.2	1649.9	1651.2	1649.9	1649.2	1648.5	1653.6
1592.4	35°	1573.3	1565.7	1558.1	1556.4	1554.8	1554.0	1554.8	1556.4	1558.1	1565.7
1518.4	37.5°	1500.8	1486.9	1473.0	1465.7	1458.4	1454.3	1458.4	1465.7	1473.0	1486.9
1449.2	40°	1434.3	1414.1	1393.9	1380.3	1366.8	1358.7	1366.8	1380.3	1393.9	1414.1
1379.4	42.5°	1366.9	1341.8	1316.7	1296.8	1276.9	1263.9	1276.9	1296.8	1316.7	1341.8
1311.9	45°	1300.6	1271.8	1243.2	1219.8	1196.5	1181.5	1196.5	1219.8	1243.2	1271.8
1256.0	47.5°	1248.1	1222.6	1197.0	1175.4	1153.9	1139.5	1153.9	1175.4	1197.0	1222.6
1217.1	50°	1216.8	1196.4	1175.9	1156.0	1136.1	1122.2	1136.1	1156.0	1175.9	1196.4
1191.4	52.5°	1195.7	1179.1	1162.4	1144.5	1126.7	1114.0	1126.7	1144.5	1162.4	1179.1
1170.0	55°	1175.9	1161.4	1146.9	1131.3	1115.6	1104.1	1115.6	1131.3	1146.9	1161.4
1149.0	57.5°	1155.0	1140.3	1125.7	1110.2	1094.6	1082.7	1094.6	1110.2	1125.7	1140.3
1119.3	60°	1125.9	1111.6	1097.3	1081.3	1065.4	1053.0	1065.4	1081.3	1097.3	1111.6
1073.2	62.5°	1079.5	1066.6	1053.7	1036.9	1020.0	1005.2	1020.0	1036.9	1053.7	1066.6
1010.5	65°	1016.9	1004.5	992.0	975.7	959.5	946.7	959.5	975.7	992.0	1004.5
939.2	67.5°	945.5	934.0	922.7	907.5	892.3	880.8	892.3	907.5	922.7	934.0
863.0	70°	869.1	859.8	850.5	836.0	821.5	808.3	821.5	836.0	850.5	859.8
777.8	72.5°	785.1	777.3	769.6	755.7	742.0	729.2	742.0	755.7	769.6	777.3
677.3	75°	684.9	681.1	677.3	665.7	654.0	641.9	654.0	665.7	677.3	681.1
580.6	77.5°	587.6	582.4	576.9	565.2	553.5	543.8	553.5	565.2	576.9	582.4
468.5	80°	477.9	475.6	473.4	457.6	441.8	423.5	441.8	457.6	473.4	475.6
340.8	82.5°	356.8	355.8	354.7	341.4	328.1	316.4	328.1	341.4	354.7	355.8
206.8	85°	226.6	224.9	223.3	212.9	202.5	192.0	202.5	212.9	223.3	224.9
90.2	87.5°	98.2	96.2	94.1	88.8	83.4	78.3	83.4	88.8	94.1	96.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2147.2	0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
1979.9	2.5°	1987.8	1995.6	2005.3	2015.0	2027.4	2039.9	2052.4	2064.8	2079.0	2093.2
1859.5	5°	1870.3	1881.1	1896.6	1912.0	1932.1	1952.1	1974.2	1996.3	2021.2	2046.3
1787.0	7.5°	1799.8	1812.7	1831.0	1849.3	1873.8	1898.4	1926.2	1954.0	1986.9	2019.9
1765.1	10°	1779.6	1793.9	1815.9	1837.8	1865.4	1893.0	1923.0	1952.9	1985.9	2018.8
1797.4	12.5°	1816.0	1834.5	1862.5	1890.5	1919.0	1947.6	1971.0	1994.6	2016.4	2038.3
1864.4	15°	1892.6	1920.8	1960.7	2000.5	2025.3	2050.1	2056.2	2062.3	2059.4	2056.4
1928.9	17.5°	1970.4	2011.9	2064.7	2117.5	2137.5	2157.5	2138.5	2119.3	2083.4	2047.5
1968.0	20°	2018.8	2069.7	2130.1	2190.5	2199.8	2209.0	2169.0	2129.1	2066.6	2004.2
1969.4	22.5°	2021.9	2074.3	2132.0	2189.6	2184.1	2178.5	2126.5	2074.5	2003.2	1932.0
1929.5	25°	1976.0	2022.6	2069.8	2117.1	2098.1	2079.0	2027.8	1976.6	1912.5	1848.5
1851.4	27.5°	1887.6	1923.7	1957.4	1991.1	1969.7	1948.5	1907.4	1866.4	1813.8	1761.2
1755.2	30°	1781.2	1807.1	1832.8	1858.4	1841.1	1823.8	1789.7	1755.7	1712.0	1668.3
1658.6	32.5°	1679.3	1700.0	1723.6	1747.2	1727.9	1708.7	1676.0	1643.4	1608.4	1573.6
1573.3	35°	1592.4	1611.5	1628.2	1645.0	1621.9	1598.9	1566.5	1534.2	1507.7	1481.0
1500.8	37.5°	1518.4	1536.0	1543.7	1551.5	1523.0	1494.5	1462.2	1430.0	1410.9	1391.8
1434.3	40°	1449.2	1464.1	1462.3	1460.4	1427.6	1394.8	1363.6	1332.5	1318.7	1305.0
1366.9	42.5°	1379.4	1392.1	1382.6	1373.1	1337.7	1302.2	1272.7	1243.2	1231.9	1220.7
1300.6	45°	1311.9	1323.3	1309.7	1296.1	1259.3	1222.6	1194.6	1166.5	1157.0	1147.6
1248.1	47.5°	1256.0	1263.9	1248.3	1232.6	1196.4	1160.1	1132.8	1105.3	1096.5	1087.6
1216.8	50°	1217.1	1217.6	1197.5	1177.4	1145.0	1112.5	1086.7	1060.8	1046.9	1033.1
1195.7	52.5°	1191.4	1187.1	1163.3	1139.5	1109.2	1079.0	1055.3	1031.6	1010.8	990.0
1175.9	55°	1170.0	1164.1	1138.8	1113.6	1087.1	1060.6	1035.0	1009.5	980.0	950.4
1155.0	57.5°	1149.0	1143.0	1117.6	1092.1	1065.9	1039.7	1009.7	979.7	947.9	916.1
1125.9	60°	1119.3	1112.7	1087.2	1061.7	1035.0	1008.3	973.9	939.5	911.6	883.7
1079.5	62.5°	1073.2	1066.8	1043.4	1020.0	991.6	963.2	923.0	882.9	865.1	847.4
1016.9	65°	1010.5	1004.0	983.4	962.8	935.6	908.4	865.3	822.3	815.5	808.7
945.5	67.5°	939.2	932.9	915.1	897.3	871.6	845.8	806.0	766.3	768.4	770.6
869.1	70°	863.0	856.9	840.8	824.8	802.5	780.3	745.3	710.4	717.8	725.2
785.1	72.5°	777.8	770.6	754.8	739.1	719.0	698.9	671.4	643.9	654.7	665.6
684.9	75°	677.3	669.7	655.4	641.0	622.8	604.6	584.2	563.7	574.2	584.6
587.6	77.5°	580.6	573.5	558.5	543.4	527.7	512.1	495.5	478.9	489.4	500.0
477.9	80°	468.5	459.1	447.7	436.3	423.1	409.9	396.2	382.3	391.2	400.0
356.8	82.5°	340.8	324.8	300.4	276.0	280.6	285.2	286.4	287.6	293.8	300.1
226.6	85°	206.8	187.0	164.1	141.3	154.1	166.8	172.9	178.8	185.8	192.8
98.2	87.5°	90.2	82.2	72.6	63.0	72.8	82.6	82.8	83.1	84.4	85.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2147.2	0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
2109.0	2.5°	2124.8	2144.3	2161.9	2180.0	2198.1	2217.1	2236.0	2254.8	2273.7	2291.4
2076.2	5°	2106.0	2140.2	2174.8	2211.5	2248.1	2287.3	2326.7	2365.6	2404.7	2443.8
2059.5	7.5°	2099.2	2143.5	2190.7	2241.9	2293.0	2351.1	2409.2	2468.9	2528.5	2593.0
2060.7	10°	2102.5	2150.1	2208.3	2269.0	2329.5	2400.1	2470.6	2549.4	2628.2	2709.9
2072.4	12.5°	2106.7	2150.9	2212.1	2280.6	2349.1	2432.3	2515.5	2604.8	2694.1	2783.8
2072.7	15°	2089.1	2124.5	2192.3	2271.6	2350.9	2446.7	2542.5	2639.4	2736.3	2829.8
2041.6	17.5°	2035.6	2057.4	2137.1	2232.5	2327.8	2439.0	2550.3	2656.0	2761.7	2856.5
1976.2	20°	1948.2	1954.0	2046.8	2165.0	2283.1	2417.9	2552.7	2668.9	2785.1	2883.7
1890.5	22.5°	1849.1	1837.8	1943.5	2085.8	2228.1	2392.1	2556.0	2686.4	2816.7	2917.4
1800.7	25°	1752.9	1722.5	1830.8	1997.4	2164.1	2366.5	2569.1	2718.0	2866.9	2965.5
1715.0	27.5°	1668.9	1631.8	1730.4	1916.6	2102.7	2349.5	2596.2	2767.5	2938.6	3032.8
1631.6	30°	1595.0	1565.9	1648.7	1849.0	2049.3	2341.5	2633.5	2831.5	3029.5	3120.4
1551.9	32.5°	1530.2	1517.3	1584.0	1790.8	1997.4	2331.6	2665.6	2898.3	3131.0	3221.0
1475.0	35°	1469.1	1474.4	1530.1	1733.5	1936.9	2313.0	2689.2	2974.4	3259.7	3346.0
1398.4	37.5°	1405.0	1424.6	1473.2	1666.1	1859.0	2281.1	2703.2	3059.7	3416.2	3526.1
1319.9	40°	1334.8	1364.9	1408.9	1585.7	1762.4	2237.2	2712.0	3168.0	3623.9	3784.0
1240.4	42.5°	1260.2	1298.1	1338.7	1496.9	1655.1	2191.9	2728.7	3309.6	3890.5	4121.7
1166.8	45°	1186.1	1222.7	1263.9	1402.7	1541.4	2149.8	2758.2	3496.0	4233.8	4545.7
1103.8	47.5°	1119.9	1151.5	1204.6	1328.1	1451.6	2115.0	2778.3	3694.6	4610.8	5049.8
1047.3	50°	1061.7	1098.3	1168.2	1278.6	1389.0	2077.1	2765.2	3878.8	4992.4	5654.2
1004.1	52.5°	1018.2	1069.5	1149.8	1246.0	1342.2	2013.1	2684.0	3998.4	5312.8	6289.2
972.7	55°	995.2	1072.4	1147.1	1222.3	1297.5	1906.9	2516.3	3972.1	5427.7	6852.1
948.7	57.5°	981.3	1075.2	1141.2	1194.3	1247.5	1757.3	2267.1	3786.5	5306.0	7251.0
926.0	60°	968.3	1066.2	1109.7	1151.5	1193.2	1563.0	1932.8	3441.2	4949.6	7350.7
900.2	62.5°	953.1	1043.9	1049.3	1077.0	1104.7	1330.5	1556.3	2974.3	4392.3	6930.9
865.0	65°	921.2	990.4	989.7	1002.8	1015.9	1121.3	1226.7	2497.9	3769.1	6337.0
817.4	67.5°	864.2	903.0	904.9	897.6	890.3	920.3	950.2	2031.2	3112.2	5630.1
758.5	70°	791.8	804.6	804.6	770.7	736.8	728.3	719.7	1599.3	2478.8	4858.8
688.4	72.5°	711.2	711.1	703.0	655.0	606.8	581.0	555.2	1222.6	1890.1	4022.7
602.2	75°	619.8	622.9	585.7	531.8	477.9	454.5	431.1	887.4	1343.7	3064.2
514.1	77.5°	528.1	529.8	468.4	416.1	363.8	347.8	331.9	601.3	870.7	2144.6
411.9	80°	423.7	423.9	350.6	306.3	262.0	255.4	248.8	387.4	526.1	1381.8
305.8	82.5°	311.6	308.2	245.5	212.9	180.3	179.0	177.8	238.3	298.9	799.7
199.0	85°	205.2	200.6	154.1	130.2	106.3	106.9	107.5	127.4	147.3	359.7
88.2	87.5°	90.6	84.9	65.5	55.7	46.0	46.6	47.1	52.8	58.5	117.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2147.2	0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
2309.1	2.5°	2317.8	2326.7	2339.1	2351.5	2359.0	2366.4	2370.1	2373.8	2372.1	2373.8
2483.0	5°	2513.5	2544.2	2574.5	2604.9	2621.4	2637.9	2647.8	2657.9	2665.5	2657.9
2657.6	7.5°	2707.4	2757.1	2801.8	2846.6	2873.5	2900.4	2915.0	2929.5	2936.5	2929.5
2791.5	10°	2850.4	2909.2	2961.7	3014.2	3046.0	3077.6	3091.8	3105.9	3111.2	3105.9
2873.5	12.5°	2937.3	3001.0	3048.4	3095.7	3118.8	3141.9	3149.6	3157.4	3158.2	3157.4
2923.4	15°	2978.4	3033.3	3063.1	3092.9	3093.7	3094.6	3086.3	3078.1	3068.4	3078.1
2951.4	17.5°	2988.5	3025.7	3026.3	3026.8	2993.4	2960.0	2929.4	2898.8	2877.2	2898.8
2982.3	20°	2995.2	3008.2	2969.1	2929.9	2856.3	2782.6	2729.0	2675.3	2642.4	2675.3
3018.1	22.5°	3001.1	2984.2	2903.1	2822.0	2713.7	2605.3	2538.2	2471.2	2434.8	2471.2
3064.2	25°	3010.7	2957.1	2834.0	2710.9	2579.4	2447.8	2377.2	2306.9	2272.4	2306.9
3126.9	27.5°	3031.1	2935.3	2772.2	2609.3	2463.4	2317.6	2248.2	2178.9	2146.4	2178.9
3211.3	30°	3068.5	2925.8	2725.1	2524.4	2372.5	2220.5	2156.2	2091.8	2061.5	2091.8
3311.0	32.5°	3115.5	2920.1	2693.0	2465.9	2323.1	2180.3	2129.8	2079.2	2057.4	2079.2
3432.1	35°	3192.9	2953.7	2717.0	2480.5	2381.3	2282.2	2270.4	2258.6	2256.8	2258.6
3636.1	37.5°	3354.6	3073.1	2858.1	2643.0	2636.6	2630.2	2684.1	2738.0	2766.0	2738.0
3944.2	40°	3638.1	3332.0	3172.1	3012.2	3125.1	3237.9	3368.9	3499.9	3565.2	3499.9
4352.9	42.5°	4049.2	3745.5	3653.4	3561.2	3807.4	4053.6	4291.9	4530.2	4670.1	4530.2
4857.6	45°	4584.8	4311.9	4271.2	4230.5	4625.0	5019.5	5411.0	5802.6	6040.3	5802.6
5488.7	47.5°	5223.3	4957.8	4949.6	4941.4	5510.4	6079.2	6652.4	7225.6	7562.2	7225.6
6315.9	50°	5988.1	5660.3	5661.7	5663.1	6396.4	7129.7	7886.4	8643.0	9100.5	8643.0
7265.5	52.5°	6868.6	6471.7	6431.5	6391.3	7267.3	8143.2	9079.4	10015.4	10563.8	10015.4
8276.5	55°	7884.3	7492.1	7335.7	7179.2	8154.1	9128.9	10244.9	11360.9	12013.1	11360.9
9196.0	57.5°	8982.5	8768.8	8455.0	8141.2	9125.6	10110.0	11374.0	12638.1	13446.8	12638.1
9751.8	60°	10083.5	10415.3	10025.6	9635.9	10567.4	11499.0	12852.4	14205.8	15079.8	14205.8
9469.6	62.5°	10376.0	11282.4	11238.5	11194.5	12047.9	12901.3	14189.0	15476.5	16284.4	15476.5
8904.8	65°	9755.5	10606.2	10774.5	10942.8	12027.3	13111.8	14360.4	15609.0	16296.8	15609.0
8148.0	67.5°	8957.1	9766.2	9845.1	9924.0	11053.9	12183.8	13437.8	14691.7	15230.6	14691.7
7238.8	70°	8118.8	8998.9	9034.2	9069.6	10080.0	11090.4	12169.6	13248.6	13548.1	13248.6
6155.3	72.5°	7165.2	8175.2	8200.5	8225.8	9016.4	9807.0	10615.2	11423.3	11453.6	11423.3
4784.6	75°	5829.9	6875.2	6969.0	7062.8	7677.9	8293.0	8861.9	9430.9	9278.4	9430.9
3418.5	77.5°	4394.3	5370.1	5504.4	5638.7	6106.2	6573.8	6977.3	7380.9	7118.9	7380.9
2237.4	80°	3058.3	3879.1	4046.1	4213.0	4566.1	4919.1	5131.0	5342.9	4921.4	5342.9
1300.6	82.5°	1861.8	2423.1	2609.5	2796.1	3039.1	3282.2	3370.6	3458.9	3127.7	3458.9
572.2	85°	870.1	1167.9	1326.5	1485.2	1684.9	1884.5	1934.7	1984.9	1719.6	1984.9
177.1	87.5°	277.3	377.4	465.9	554.3	654.2	754.1	758.4	762.6	640.2	762.6
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°
2147.2	0°	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2	2147.2
2370.1	2.5°	2366.4	2359.0	2351.5	2339.1	2326.7	2317.8	2309.1
2647.8	5°	2637.9	2621.4	2604.9	2574.5	2544.2	2513.5	2483.0
2915.0	7.5°	2900.4	2873.5	2846.6	2801.8	2757.1	2707.4	2657.6
3091.8	10°	3077.6	3046.0	3014.2	2961.7	2909.2	2850.4	2791.5
3149.6	12.5°	3141.9	3118.8	3095.7	3048.4	3001.0	2937.3	2873.5
3086.3	15°	3094.6	3093.7	3092.9	3063.1	3033.3	2978.4	2923.4
2929.4	17.5°	2960.0	2993.4	3026.8	3026.3	3025.7	2988.5	2951.4
2729.0	20°	2782.6	2856.3	2929.9	2969.1	3008.2	2995.2	2982.3
2538.2	22.5°	2605.3	2713.7	2822.0	2903.1	2984.2	3001.1	3018.1
2377.2	25°	2447.8	2579.4	2710.9	2834.0	2957.1	3010.7	3064.2
2248.2	27.5°	2317.6	2463.4	2609.3	2772.2	2935.3	3031.1	3126.9
2156.2	30°	2220.5	2372.5	2524.4	2725.1	2925.8	3068.5	3211.3
2129.8	32.5°	2180.3	2323.1	2465.9	2693.0	2920.1	3115.5	3311.0
2270.4	35°	2282.2	2381.3	2480.5	2717.0	2953.7	3192.9	3432.1
2684.1	37.5°	2630.2	2636.6	2643.0	2858.1	3073.1	3354.6	3636.1
3368.9	40°	3237.9	3125.1	3012.2	3172.1	3332.0	3638.1	3944.2
4291.9	42.5°	4053.6	3807.4	3561.2	3653.4	3745.5	4049.2	4352.9
5411.0	45°	5019.5	4625.0	4230.5	4271.2	4311.9	4584.8	4857.6
6652.4	47.5°	6079.2	5510.4	4941.4	4949.6	4957.8	5223.3	5488.7
7886.4	50°	7129.7	6396.4	5663.1	5661.7	5660.3	5988.1	6315.9
9079.4	52.5°	8143.2	7267.3	6391.3	6431.5	6471.7	6868.6	7265.5
10244.9	55°	9128.9	8154.1	7179.2	7335.7	7492.1	7884.3	8276.5
11374.0	57.5°	10110.0	9125.6	8141.2	8455.0	8768.8	8982.5	9196.0
12852.4	60°	11499.0	10567.4	9635.9	10025.6	10415.3	10083.5	9751.8
14189.0	62.5°	12901.3	12047.9	11194.5	11238.5	11282.4	10376.0	9469.6
14360.4	65°	13111.8	12027.3	10942.8	10774.5	10606.2	9755.5	8904.8
13437.8	67.5°	12183.8	11053.9	9924.0	9845.1	9766.2	8957.1	8148.0
12169.6	70°	11090.4	10080.0	9069.6	9034.2	8998.9	8118.8	7238.8
10615.2	72.5°	9807.0	9016.4	8225.8	8200.5	8175.2	7165.2	6155.3
8861.9	75°	8293.0	7677.9	7062.8	6969.0	6875.2	5829.9	4784.6
6977.3	77.5°	6573.8	6106.2	5638.7	5504.4	5370.1	4394.3	3418.5
5131.0	80°	4919.1	4566.1	4213.0	4046.1	3879.1	3058.3	2237.4
3370.6	82.5°	3282.2	3039.1	2796.1	2609.5	2423.1	1861.8	1300.6
1934.7	85°	1884.5	1684.9	1485.2	1326.5	1167.9	870.1	572.2
758.4	87.5°	754.1	654.2	554.3	465.9	377.4	277.3	177.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)