

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: P948223

Luminaire Tested: **GALN-SB3B-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948223
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-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15127 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

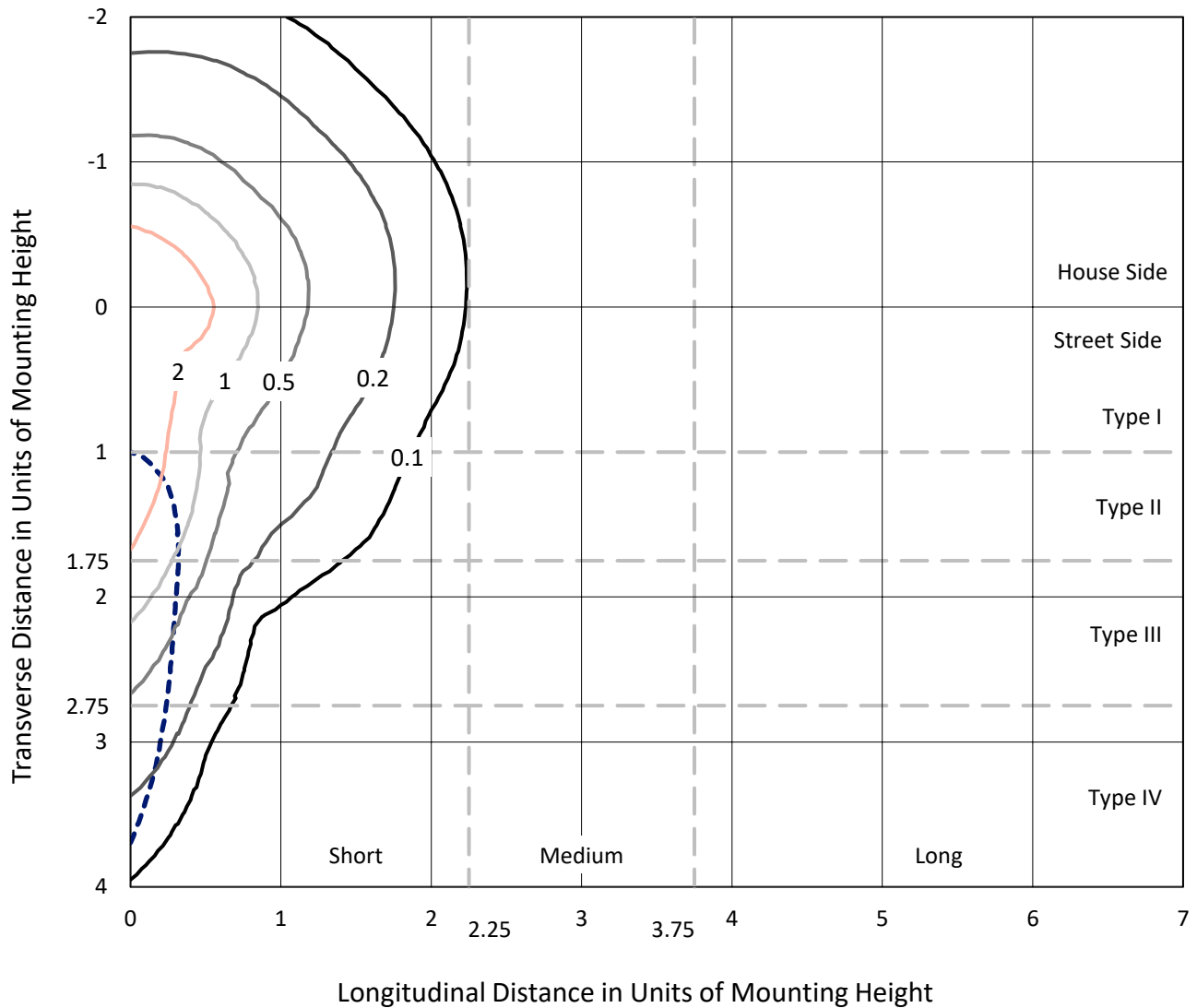
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

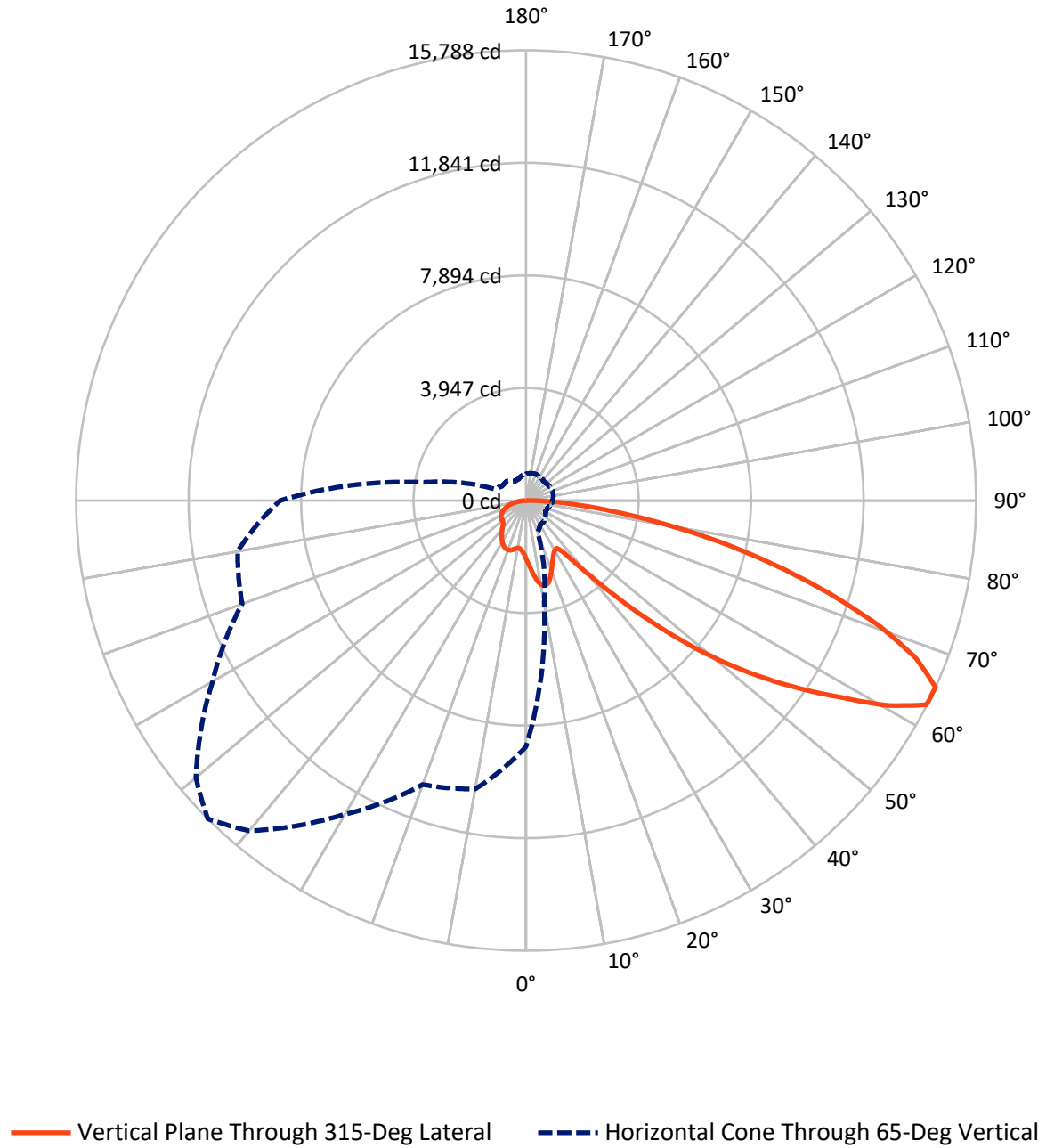
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	3844.5	0.0	3844.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11282.5	0.0	11282.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	15127.0	0.0	15127.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.3	1.4
10°-20°	647.8	4.3
20°-30°	1000.6	6.6
30°-40°	1268.0	8.4
40°-50°	1912.4	12.6
50°-60°	3089.8	20.4
60°-70°	3851.9	25.5
70°-80°	2525.9	16.7
80°-90°	624.5	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°	15127.0	100.0
0°-180°	15127.0	100.0



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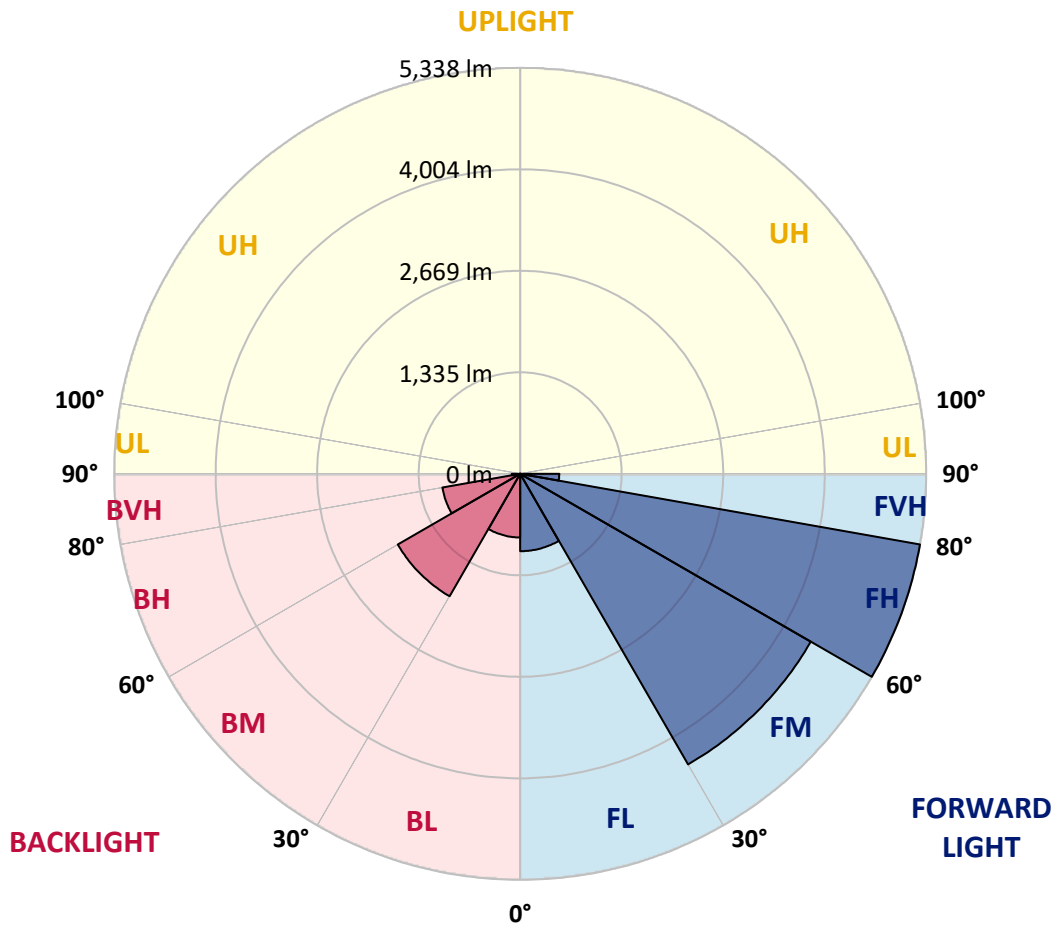
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1017.5	6.7			
FM (30°-60°)	4412.2	29.2			
FH (60°-80°)	5338.4	35.3			G3/7500
FVH (80°-90°)	514.4	3.4			G4/750
BL (0°-30°)	837.2	5.5	B2/1000		
BM (30°-60°)	1857.9	12.3	B2/2500		
BH (60°-80°)	1039.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	110.0	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°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2.5°	2236.9	2219.8	2202.6	2184.3	2166.1	2147.8	2129.4	2111.9	2094.3	2077.3
5°	2405.4	2367.4	2329.5	2291.7	2253.9	2215.9	2177.9	2142.4	2106.8	2073.3
7.5°	2574.6	2512.0	2449.5	2391.7	2333.9	2277.6	2221.4	2171.8	2122.2	2076.5
10°	2704.3	2625.2	2546.1	2469.7	2393.4	2325.1	2256.7	2198.1	2139.3	2082.9
12.5°	2783.7	2696.8	2609.9	2523.4	2436.9	2356.3	2275.7	2209.3	2143.0	2083.7
15°	2832.0	2741.4	2650.8	2556.9	2463.1	2370.2	2277.4	2200.6	2123.8	2058.1
17.5°	2859.1	2767.3	2675.4	2573.0	2470.6	2362.8	2255.1	2162.7	2070.4	1993.1
20°	2889.1	2793.6	2698.1	2585.5	2473.0	2342.4	2211.8	2097.3	1982.9	1892.9
22.5°	2923.8	2826.2	2728.6	2602.4	2476.2	2317.3	2158.5	2020.6	1882.8	1780.4
25°	2968.5	2872.9	2777.3	2633.1	2488.8	2292.6	2096.5	1935.0	1773.6	1668.6
27.5°	3029.1	2938.0	2846.8	2681.0	2515.1	2276.0	2037.0	1856.7	1676.4	1580.8
30°	3111.0	3022.8	2934.8	2743.0	2551.2	2268.3	1985.3	1791.2	1597.2	1517.0
32.5°	3207.5	3120.3	3033.1	2807.7	2582.3	2258.7	1935.0	1734.8	1534.5	1469.9
35°	3324.9	3241.4	3157.8	2881.5	2605.1	2240.7	1876.4	1679.3	1482.2	1428.4
37.5°	3522.4	3415.9	3309.5	2964.1	2618.7	2209.8	1800.9	1614.0	1427.2	1380.1
40°	3821.0	3665.8	3510.6	3069.0	2627.3	2167.3	1707.3	1536.1	1364.9	1322.2
42.5°	4216.9	3992.9	3768.9	3206.2	2643.5	2123.4	1603.4	1450.2	1296.9	1257.6
45°	4705.8	4403.6	4101.5	3386.7	2672.0	2082.6	1493.3	1358.8	1224.4	1184.5
47.5°	5317.2	4892.0	4466.7	3579.1	2691.5	2048.9	1406.3	1286.6	1167.0	1115.5
50°	6118.6	5477.5	4836.4	3757.6	2678.7	2012.2	1345.6	1238.6	1131.7	1064.0
52.5°	7038.5	6092.6	5146.8	3873.5	2600.1	1950.1	1300.3	1207.0	1113.9	1036.1
55°	8017.9	6637.9	5258.1	3847.9	2437.7	1847.3	1257.0	1184.1	1111.2	1038.8
57.5°	8908.6	7024.4	5140.2	3668.2	2196.2	1702.4	1208.5	1157.0	1105.5	1041.6
60°	9447.0	7121.0	4794.9	3333.7	1872.4	1514.2	1155.9	1115.5	1075.0	1032.9
62.5°	9173.6	6714.3	4255.0	2881.3	1507.6	1288.9	1070.2	1043.3	1016.5	1011.3
65°	8626.5	6138.9	3651.3	2419.8	1188.4	1086.3	984.2	971.5	958.8	959.4
67.5°	7893.3	5454.1	3014.9	1967.7	920.5	891.5	862.4	869.6	876.6	874.8
70°	7012.5	4706.9	2401.4	1549.3	697.2	705.5	713.7	746.6	779.4	779.4
72.5°	5962.9	3896.9	1831.1	1184.4	537.8	562.8	587.9	634.5	681.0	688.8
75°	4635.1	2968.4	1301.7	859.7	417.6	440.3	463.0	515.2	567.4	603.4
77.5°	3311.7	2077.6	843.5	582.5	321.5	336.9	352.4	403.1	453.8	513.2
80°	2167.5	1338.6	509.6	375.3	241.1	247.4	253.8	296.8	339.6	410.7
82.5°	1259.9	774.7	289.6	230.8	172.3	173.4	174.6	206.3	237.9	298.5
85°	554.3	348.5	142.7	123.4	104.2	103.6	103.0	126.1	149.3	194.4
87.5°	171.6	114.1	56.7	51.2	45.7	45.1	44.5	54.0	63.5	82.2
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2058.4	2.5°	2043.1	2027.8	2014.0	2000.3	1988.2	1976.2	1964.0	1952.0	1942.6	1933.2
2040.2	5°	2011.3	1982.3	1958.0	1933.9	1912.5	1891.1	1871.7	1852.2	1837.3	1822.3
2033.6	7.5°	1995.2	1956.8	1924.8	1892.9	1866.0	1839.0	1815.3	1791.5	1773.7	1756.0
2036.8	10°	1996.3	1955.7	1923.8	1891.9	1862.9	1833.9	1807.1	1780.4	1759.1	1737.8
2040.8	12.5°	2007.6	1974.6	1953.3	1932.3	1909.4	1886.8	1859.1	1831.5	1804.3	1777.2
2023.8	15°	2007.9	1992.1	1995.0	1997.9	1992.0	1986.1	1962.0	1938.0	1899.4	1860.7
1971.9	17.5°	1977.8	1983.5	2018.3	2053.1	2071.6	2090.1	2070.7	2051.4	2000.2	1949.0
1887.3	20°	1914.5	1941.6	2002.0	2062.5	2101.2	2140.0	2131.0	2122.0	2063.5	2005.1
1791.3	22.5°	1831.5	1871.6	1940.6	2009.7	2060.1	2110.4	2115.9	2121.2	2065.3	2009.5
1698.2	25°	1744.5	1790.7	1852.8	1914.9	1964.4	2014.0	2032.5	2051.0	2005.1	1959.4
1616.7	27.5°	1661.4	1706.1	1757.1	1808.1	1847.8	1887.6	1908.2	1928.8	1896.2	1863.6
1545.1	30°	1580.6	1616.2	1658.5	1700.8	1733.8	1766.8	1783.6	1800.3	1775.5	1750.6
1482.4	32.5°	1503.4	1524.4	1558.2	1592.0	1623.6	1655.3	1673.9	1692.6	1669.7	1646.8
1423.2	35°	1428.9	1434.8	1460.5	1486.2	1517.5	1548.9	1571.2	1593.6	1577.3	1561.1
1361.1	37.5°	1354.7	1348.3	1366.8	1385.3	1416.5	1447.8	1475.4	1503.0	1495.5	1488.0
1293.1	40°	1278.6	1264.2	1277.5	1290.8	1321.0	1351.2	1383.0	1414.8	1416.6	1418.4
1220.8	42.5°	1201.7	1182.5	1193.4	1204.3	1232.9	1261.5	1295.9	1330.2	1339.4	1348.5
1149.0	45°	1130.3	1111.7	1120.8	1130.1	1157.2	1184.4	1220.0	1255.6	1268.7	1281.9
1084.9	47.5°	1069.3	1053.6	1062.2	1070.8	1097.4	1123.9	1159.0	1194.1	1209.3	1224.4
1028.5	50°	1014.6	1000.8	1014.2	1027.7	1052.7	1077.7	1109.2	1140.6	1160.1	1179.6
986.4	52.5°	972.7	959.0	979.2	999.3	1022.3	1045.2	1074.5	1103.9	1127.0	1150.0
964.1	55°	942.3	920.7	949.4	977.9	1002.7	1027.4	1053.1	1078.8	1103.2	1127.7
950.6	57.5°	919.0	887.4	918.2	949.1	978.1	1007.2	1032.5	1058.0	1082.7	1107.3
938.0	60°	897.1	856.1	883.1	910.1	943.5	976.8	1002.6	1028.5	1053.2	1078.0
923.4	62.5°	872.1	820.9	838.1	855.3	894.1	933.1	960.6	988.2	1010.8	1033.5
892.4	65°	837.9	783.4	790.1	796.6	838.3	880.0	906.3	932.7	952.6	972.6
837.1	67.5°	791.8	746.5	744.4	742.3	780.8	819.3	844.3	869.2	886.5	903.7
767.1	70°	734.8	702.6	695.4	688.2	722.0	755.9	777.4	799.0	814.6	830.1
689.0	72.5°	666.9	644.8	634.2	623.8	650.4	677.0	696.5	716.0	731.2	746.5
600.4	75°	583.4	566.3	556.3	546.1	565.9	585.7	603.4	621.0	634.9	648.8
511.6	77.5°	498.0	484.3	474.1	463.9	480.0	496.1	511.2	526.4	541.0	555.5
410.4	80°	399.0	387.5	379.0	370.4	383.8	397.1	409.9	422.6	433.7	444.8
301.9	82.5°	296.3	290.7	284.6	278.6	277.5	276.3	271.9	267.4	291.0	314.6
198.8	85°	192.8	186.8	180.0	173.2	167.5	161.6	149.3	136.9	159.0	181.2
87.8	87.5°	85.4	83.0	81.7	80.5	80.2	80.0	70.6	61.1	70.3	79.7
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
1925.6	2.5°	1918.1	1912.2	1906.2	1900.8	1895.3	1888.5	1895.3	1900.8	1906.2	1912.2
1811.8	5°	1801.4	1793.9	1786.5	1780.8	1775.2	1769.6	1775.2	1780.8	1786.5	1793.9
1743.6	7.5°	1731.1	1722.6	1714.1	1709.0	1704.0	1700.2	1704.0	1709.0	1714.1	1722.6
1723.9	10°	1709.9	1701.8	1693.8	1689.5	1685.1	1683.4	1685.1	1689.5	1693.8	1701.8
1759.2	12.5°	1741.3	1732.2	1723.3	1719.6	1716.0	1715.3	1716.0	1719.6	1723.3	1732.2
1833.5	15°	1806.2	1793.6	1781.2	1776.4	1771.6	1771.2	1771.6	1776.4	1781.2	1793.6
1908.8	17.5°	1868.6	1850.1	1831.5	1825.4	1819.2	1818.3	1819.2	1825.4	1831.5	1850.1
1955.7	20°	1906.5	1882.8	1859.0	1851.4	1843.8	1841.4	1843.8	1851.4	1859.0	1882.8
1958.7	22.5°	1907.8	1882.9	1857.8	1849.4	1841.0	1837.4	1841.0	1849.4	1857.8	1882.9
1914.2	25°	1869.2	1847.5	1825.9	1818.0	1810.1	1805.5	1810.1	1818.0	1825.9	1847.5
1828.6	27.5°	1793.5	1779.0	1764.4	1760.8	1757.2	1756.0	1757.2	1760.8	1764.4	1779.0
1725.5	30°	1700.3	1692.9	1685.4	1685.4	1685.4	1686.6	1685.4	1685.4	1685.4	1692.9
1626.8	32.5°	1606.8	1601.9	1597.0	1597.7	1598.4	1599.6	1598.4	1597.7	1597.0	1601.9
1542.6	35°	1524.2	1516.7	1509.4	1507.8	1506.2	1505.4	1506.2	1507.8	1509.4	1516.7
1471.0	37.5°	1453.9	1440.4	1427.0	1419.9	1412.8	1408.8	1412.8	1419.9	1427.0	1440.4
1403.9	40°	1389.5	1369.9	1350.4	1337.1	1324.0	1316.2	1324.0	1337.1	1350.4	1369.9
1336.3	42.5°	1324.2	1299.9	1275.5	1256.3	1237.0	1224.4	1237.0	1256.3	1275.5	1299.9
1270.9	45°	1259.9	1232.1	1204.3	1181.7	1159.1	1144.6	1159.1	1181.7	1204.3	1232.1
1216.8	47.5°	1209.1	1184.4	1159.6	1138.7	1117.9	1103.9	1117.9	1138.7	1159.6	1184.4
1179.1	50°	1178.8	1159.0	1139.2	1119.9	1100.5	1087.1	1100.5	1119.9	1139.2	1159.0
1154.2	52.5°	1158.3	1142.2	1126.1	1108.8	1091.5	1079.2	1091.5	1108.8	1126.1	1142.2
1133.4	55°	1139.2	1125.1	1111.1	1095.9	1080.8	1069.6	1080.8	1095.9	1111.1	1125.1
1113.1	57.5°	1118.9	1104.7	1090.5	1075.5	1060.4	1048.8	1060.4	1075.5	1090.5	1104.7
1084.3	60°	1090.7	1076.8	1063.0	1047.5	1032.1	1020.1	1032.1	1047.5	1063.0	1076.8
1039.6	62.5°	1045.8	1033.3	1020.7	1004.4	988.2	973.8	988.2	1004.4	1020.7	1033.3
978.9	65°	985.1	973.1	961.0	945.2	929.5	917.1	929.5	945.2	961.0	973.1
909.9	67.5°	915.9	904.8	893.8	879.1	864.4	853.3	864.4	879.1	893.8	904.8
836.0	70°	841.9	832.9	823.9	809.8	795.8	783.0	795.8	809.8	823.9	832.9
753.5	72.5°	760.5	753.0	745.5	732.1	718.8	706.4	718.8	732.1	745.5	753.0
656.1	75°	663.5	659.8	656.1	644.9	633.6	621.8	633.6	644.9	656.1	659.8
562.4	77.5°	569.3	564.2	558.9	547.6	536.2	526.8	536.2	547.6	558.9	564.2
453.9	80°	463.0	460.7	458.6	443.3	428.0	410.3	428.0	443.3	458.6	460.7
330.1	82.5°	345.6	344.7	343.6	330.8	317.8	306.5	317.8	330.8	343.6	344.7
200.3	85°	219.5	217.9	216.3	206.3	196.2	186.0	196.2	206.3	216.3	217.9
87.4	87.5°	95.1	93.2	91.2	86.0	80.8	75.8	80.8	86.0	91.2	93.2
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°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
1918.1	2.5°	1925.6	1933.2	1942.6	1952.0	1964.0	1976.2	1988.2	2000.3	2014.0	2027.8
1801.4	5°	1811.8	1822.3	1837.3	1852.2	1871.7	1891.1	1912.5	1933.9	1958.0	1982.3
1731.1	7.5°	1743.6	1756.0	1773.7	1791.5	1815.3	1839.0	1866.0	1892.9	1924.8	1956.8
1709.9	10°	1723.9	1737.8	1759.1	1780.4	1807.1	1833.9	1862.9	1891.9	1923.8	1955.7
1741.3	12.5°	1759.2	1777.2	1804.3	1831.5	1859.1	1886.8	1909.4	1932.3	1953.3	1974.6
1806.2	15°	1833.5	1860.7	1899.4	1938.0	1962.0	1986.1	1992.0	1997.9	1995.0	1992.1
1868.6	17.5°	1908.8	1949.0	2000.2	2051.4	2070.7	2090.1	2071.6	2053.1	2018.3	1983.5
1906.5	20°	1955.7	2005.1	2063.5	2122.0	2131.0	2140.0	2101.2	2062.5	2002.0	1941.6
1907.8	22.5°	1958.7	2009.5	2065.3	2121.2	2115.9	2110.4	2060.1	2009.7	1940.6	1871.6
1869.2	25°	1914.2	1959.4	2005.1	2051.0	2032.5	2014.0	1964.4	1914.9	1852.8	1790.7
1793.5	27.5°	1828.6	1863.6	1896.2	1928.8	1908.2	1887.6	1847.8	1808.1	1757.1	1706.1
1700.3	30°	1725.5	1750.6	1775.5	1800.3	1783.6	1766.8	1733.8	1700.8	1658.5	1616.2
1606.8	32.5°	1626.8	1646.8	1669.7	1692.6	1673.9	1655.3	1623.6	1592.0	1558.2	1524.4
1524.2	35°	1542.6	1561.1	1577.3	1593.6	1571.2	1548.9	1517.5	1486.2	1460.5	1434.8
1453.9	37.5°	1471.0	1488.0	1495.5	1503.0	1475.4	1447.8	1416.5	1385.3	1366.8	1348.3
1389.5	40°	1403.9	1418.4	1416.6	1414.8	1383.0	1351.2	1321.0	1290.8	1277.5	1264.2
1324.2	42.5°	1336.3	1348.5	1339.4	1330.2	1295.9	1261.5	1232.9	1204.3	1193.4	1182.5
1259.9	45°	1270.9	1281.9	1268.7	1255.6	1220.0	1184.4	1157.2	1130.1	1120.8	1111.7
1209.1	47.5°	1216.8	1224.4	1209.3	1194.1	1159.0	1123.9	1097.4	1070.8	1062.2	1053.6
1178.8	50°	1179.1	1179.6	1160.1	1140.6	1109.2	1077.7	1052.7	1027.7	1014.2	1000.8
1158.3	52.5°	1154.2	1150.0	1127.0	1103.9	1074.5	1045.2	1022.3	999.3	979.2	959.0
1139.2	55°	1133.4	1127.7	1103.2	1078.8	1053.1	1027.4	1002.7	977.9	949.4	920.7
1118.9	57.5°	1113.1	1107.3	1082.7	1058.0	1032.5	1007.2	978.1	949.1	918.2	887.4
1090.7	60°	1084.3	1078.0	1053.2	1028.5	1002.6	976.8	943.5	910.1	883.1	856.1
1045.8	62.5°	1039.6	1033.5	1010.8	988.2	960.6	933.1	894.1	855.3	838.1	820.9
985.1	65°	978.9	972.6	952.6	932.7	906.3	880.0	838.3	796.6	790.1	783.4
915.9	67.5°	909.9	903.7	886.5	869.2	844.3	819.3	780.8	742.3	744.4	746.5
841.9	70°	836.0	830.1	814.6	799.0	777.4	755.9	722.0	688.2	695.4	702.6
760.5	72.5°	753.5	746.5	731.2	716.0	696.5	677.0	650.4	623.8	634.2	644.8
663.5	75°	656.1	648.8	634.9	621.0	603.4	585.7	565.9	546.1	556.3	566.3
569.3	77.5°	562.4	555.5	541.0	526.4	511.2	496.1	480.0	463.9	474.1	484.3
463.0	80°	453.9	444.8	433.7	422.6	409.9	397.1	383.8	370.4	379.0	387.5
345.6	82.5°	330.1	314.6	291.0	267.4	271.9	276.3	277.5	278.6	284.6	290.7
219.5	85°	200.3	181.2	159.0	136.9	149.3	161.6	167.5	173.2	180.0	186.8
95.1	87.5°	87.4	79.7	70.3	61.1	70.6	80.0	80.2	80.5	81.7	83.0
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2043.1	2.5°	2058.4	2077.3	2094.3	2111.9	2129.4	2147.8	2166.1	2184.3	2202.6	2219.8
2011.3	5°	2040.2	2073.3	2106.8	2142.4	2177.9	2215.9	2253.9	2291.7	2329.5	2367.4
1995.2	7.5°	2033.6	2076.5	2122.2	2171.8	2221.4	2277.6	2333.9	2391.7	2449.5	2512.0
1996.3	10°	2036.8	2082.9	2139.3	2198.1	2256.7	2325.1	2393.4	2469.7	2546.1	2625.2
2007.6	12.5°	2040.8	2083.7	2143.0	2209.3	2275.7	2356.3	2436.9	2523.4	2609.9	2696.8
2007.9	15°	2023.8	2058.1	2123.8	2200.6	2277.4	2370.2	2463.1	2556.9	2650.8	2741.4
1977.8	17.5°	1971.9	1993.1	2070.4	2162.7	2255.1	2362.8	2470.6	2573.0	2675.4	2767.3
1914.5	20°	1887.3	1892.9	1982.9	2097.3	2211.8	2342.4	2473.0	2585.5	2698.1	2793.6
1831.5	22.5°	1791.3	1780.4	1882.8	2020.6	2158.5	2317.3	2476.2	2602.4	2728.6	2826.2
1744.5	25°	1698.2	1668.6	1773.6	1935.0	2096.5	2292.6	2488.8	2633.1	2777.3	2872.9
1661.4	27.5°	1616.7	1580.8	1676.4	1856.7	2037.0	2276.0	2515.1	2681.0	2846.8	2938.0
1580.6	30°	1545.1	1517.0	1597.2	1791.2	1985.3	2268.3	2551.2	2743.0	2934.8	3022.8
1503.4	32.5°	1482.4	1469.9	1534.5	1734.8	1935.0	2258.7	2582.3	2807.7	3033.1	3120.3
1428.9	35°	1423.2	1428.4	1482.2	1679.3	1876.4	2240.7	2605.1	2881.5	3157.8	3241.4
1354.7	37.5°	1361.1	1380.1	1427.2	1614.0	1800.9	2209.8	2618.7	2964.1	3309.5	3415.9
1278.6	40°	1293.1	1322.2	1364.9	1536.1	1707.3	2167.3	2627.3	3069.0	3510.6	3665.8
1201.7	42.5°	1220.8	1257.6	1296.9	1450.2	1603.4	2123.4	2643.5	3206.2	3768.9	3992.9
1130.3	45°	1149.0	1184.5	1224.4	1358.8	1493.3	2082.6	2672.0	3386.7	4101.5	4403.6
1069.3	47.5°	1084.9	1115.5	1167.0	1286.6	1406.3	2048.9	2691.5	3579.1	4466.7	4892.0
1014.6	50°	1028.5	1064.0	1131.7	1238.6	1345.6	2012.2	2678.7	3757.6	4836.4	5477.5
972.7	52.5°	986.4	1036.1	1113.9	1207.0	1300.3	1950.1	2600.1	3873.5	5146.8	6092.6
942.3	55°	964.1	1038.8	1111.2	1184.1	1257.0	1847.3	2437.7	3847.9	5258.1	6637.9
919.0	57.5°	950.6	1041.6	1105.5	1157.0	1208.5	1702.4	2196.2	3668.2	5140.2	7024.4
897.1	60°	938.0	1032.9	1075.0	1115.5	1155.9	1514.2	1872.4	3333.7	4794.9	7121.0
872.1	62.5°	923.4	1011.3	1016.5	1043.3	1070.2	1288.9	1507.6	2881.3	4255.0	6714.3
837.9	65°	892.4	959.4	958.8	971.5	984.2	1086.3	1188.4	2419.8	3651.3	6138.9
791.8	67.5°	837.1	874.8	876.6	869.6	862.4	891.5	920.5	1967.7	3014.9	5454.1
734.8	70°	767.1	779.4	779.4	746.6	713.7	705.5	697.2	1549.3	2401.4	4706.9
666.9	72.5°	689.0	688.8	681.0	634.5	587.9	562.8	537.8	1184.4	1831.1	3896.9
583.4	75°	600.4	603.4	567.4	515.2	463.0	440.3	417.6	859.7	1301.7	2968.4
498.0	77.5°	511.6	513.2	453.8	403.1	352.4	336.9	321.5	582.5	843.5	2077.6
399.0	80°	410.4	410.7	339.6	296.8	253.8	247.4	241.1	375.3	509.6	1338.6
296.3	82.5°	301.9	298.5	237.9	206.3	174.6	173.4	172.3	230.8	289.6	774.7
192.8	85°	198.8	194.4	149.3	126.1	103.0	103.6	104.2	123.4	142.7	348.5
85.4	87.5°	87.8	82.2	63.5	54.0	44.5	45.1	45.7	51.2	56.7	114.1
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2236.9	2.5°	2245.4	2253.9	2266.0	2278.0	2285.2	2292.4	2296.0	2299.6	2298.0	2299.6
2405.4	5°	2435.0	2464.7	2494.0	2523.5	2539.5	2555.4	2565.1	2574.8	2582.2	2574.8
2574.6	7.5°	2622.8	2670.9	2714.3	2757.6	2783.7	2809.8	2823.9	2838.0	2844.8	2838.0
2704.3	10°	2761.3	2818.3	2869.1	2920.0	2950.8	2981.4	2995.1	3008.8	3014.0	3008.8
2783.7	12.5°	2845.5	2907.2	2953.2	2999.0	3021.3	3043.7	3051.2	3058.7	3059.5	3058.7
2832.0	15°	2885.3	2938.6	2967.4	2996.3	2997.1	2997.9	2989.9	2981.9	2972.5	2981.9
2859.1	17.5°	2895.1	2931.1	2931.7	2932.2	2899.8	2867.5	2837.9	2808.2	2787.3	2808.2
2889.1	20°	2901.6	2914.2	2876.3	2838.4	2767.0	2695.7	2643.7	2591.7	2559.8	2591.7
2923.8	22.5°	2907.3	2890.9	2812.4	2733.8	2628.9	2523.9	2458.9	2393.9	2358.7	2393.9
2968.5	25°	2916.6	2864.7	2745.5	2626.2	2498.7	2371.3	2302.9	2234.8	2201.4	2234.8
3029.1	27.5°	2936.4	2843.6	2685.6	2527.7	2386.4	2245.2	2178.0	2110.8	2079.3	2110.8
3111.0	30°	2972.6	2834.4	2639.9	2445.5	2298.3	2151.1	2088.8	2026.5	1997.1	2026.5
3207.5	32.5°	3018.1	2828.8	2608.8	2388.8	2250.5	2112.2	2063.3	2014.2	1993.1	2014.2
3324.9	35°	3093.1	2861.4	2632.1	2403.0	2306.9	2210.8	2199.4	2188.0	2186.3	2188.0
3522.4	37.5°	3249.8	2977.1	2768.8	2560.4	2554.2	2548.0	2600.2	2652.4	2679.5	2652.4
3821.0	40°	3524.4	3227.9	3073.0	2918.0	3027.4	3136.7	3263.7	3390.6	3453.8	3390.6
4216.9	42.5°	3922.6	3628.4	3539.2	3450.0	3688.5	3927.0	4157.8	4388.6	4524.2	4388.6
4705.8	45°	4441.5	4177.1	4137.8	4098.3	4480.4	4862.6	5241.9	5621.3	5851.6	5621.3
5317.2	47.5°	5060.1	4802.9	4794.9	4786.9	5338.2	5889.2	6444.5	6999.8	7325.8	6999.8
6118.6	50°	5801.0	5483.4	5484.8	5486.1	6196.5	6906.9	7639.9	8372.9	8816.0	8372.9
7038.5	52.5°	6653.9	6269.4	6230.5	6191.6	7040.1	7888.7	8795.6	9702.4	10233.6	9702.4
8017.9	55°	7637.9	7258.0	7106.4	6954.8	7899.2	8843.6	9924.7	11005.9	11637.7	11005.9
8908.6	57.5°	8701.7	8494.8	8190.7	7886.8	8840.4	9794.0	11018.6	12243.1	13026.5	12243.1
9447.0	60°	9768.4	10089.8	9712.3	9334.7	10237.2	11139.6	12450.7	13761.8	14608.5	13761.8
9173.6	62.5°	10051.7	10929.8	10887.3	10844.7	11671.3	12498.1	13745.5	14992.9	15775.5	14992.9
8626.5	65°	9450.6	10274.7	10437.8	10600.8	11651.4	12702.1	13911.6	15121.1	15787.5	15121.1
7893.3	67.5°	8677.2	9461.0	9537.5	9613.8	10708.5	11803.0	13017.8	14232.6	14754.6	14232.6
7012.5	70°	7865.1	8717.7	8751.9	8786.1	9765.0	10743.8	11789.2	12834.6	13124.7	12834.6
5962.9	72.5°	6941.3	7919.7	7944.3	7968.8	8734.6	9500.5	10283.4	11066.3	11095.7	11066.3
4635.1	75°	5647.7	6660.3	6751.2	6842.1	7438.0	8033.8	8585.0	9136.1	8988.5	9136.1
3311.7	77.5°	4256.9	5202.2	5332.3	5462.4	5915.4	6368.4	6759.3	7150.2	6896.4	7150.2
2167.5	80°	2962.7	3757.9	3919.6	4081.3	4423.4	4765.4	4970.7	5175.9	4767.6	5175.9
1259.9	82.5°	1803.6	2347.3	2528.0	2708.7	2944.1	3179.6	3265.3	3350.8	3029.9	3350.8
554.3	85°	842.9	1131.4	1285.1	1438.7	1632.2	1825.6	1874.2	1922.8	1665.8	1922.8
171.6	87.5°	268.6	365.6	451.3	537.0	633.8	730.5	734.7	738.7	620.2	738.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
2080.1	0°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2296.0	2.5°	2292.4	2285.2	2278.0	2266.0	2253.9	2245.4	2236.9
2565.1	5°	2555.4	2539.5	2523.5	2494.0	2464.7	2435.0	2405.4
2823.9	7.5°	2809.8	2783.7	2757.6	2714.3	2670.9	2622.8	2574.6
2995.1	10°	2981.4	2950.8	2920.0	2869.1	2818.3	2761.3	2704.3
3051.2	12.5°	3043.7	3021.3	2999.0	2953.2	2907.2	2845.5	2783.7
2989.9	15°	2997.9	2997.1	2996.3	2967.4	2938.6	2885.3	2832.0
2837.9	17.5°	2867.5	2899.8	2932.2	2931.7	2931.1	2895.1	2859.1
2643.7	20°	2695.7	2767.0	2838.4	2876.3	2914.2	2901.6	2889.1
2458.9	22.5°	2523.9	2628.9	2733.8	2812.4	2890.9	2907.3	2923.8
2302.9	25°	2371.3	2498.7	2626.2	2745.5	2864.7	2916.6	2968.5
2178.0	27.5°	2245.2	2386.4	2527.7	2685.6	2843.6	2936.4	3029.1
2088.8	30°	2151.1	2298.3	2445.5	2639.9	2834.4	2972.6	3111.0
2063.3	32.5°	2112.2	2250.5	2388.8	2608.8	2828.8	3018.1	3207.5
2199.4	35°	2210.8	2306.9	2403.0	2632.1	2861.4	3093.1	3324.9
2600.2	37.5°	2548.0	2554.2	2560.4	2768.8	2977.1	3249.8	3522.4
3263.7	40°	3136.7	3027.4	2918.0	3073.0	3227.9	3524.4	3821.0
4157.8	42.5°	3927.0	3688.5	3450.0	3539.2	3628.4	3922.6	4216.9
5241.9	45°	4862.6	4480.4	4098.3	4137.8	4177.1	4441.5	4705.8
6444.5	47.5°	5889.2	5338.2	4786.9	4794.9	4802.9	5060.1	5317.2
7639.9	50°	6906.9	6196.5	5486.1	5484.8	5483.4	5801.0	6118.6
8795.6	52.5°	7888.7	7040.1	6191.6	6230.5	6269.4	6653.9	7038.5
9924.7	55°	8843.6	7899.2	6954.8	7106.4	7258.0	7637.9	8017.9
11018.6	57.5°	9794.0	8840.4	7886.8	8190.7	8494.8	8701.7	8908.6
12450.7	60°	11139.6	10237.2	9334.7	9712.3	10089.8	9768.4	9447.0
13745.5	62.5°	12498.1	11671.3	10844.7	10887.3	10929.8	10051.7	9173.6
13911.6	65°	12702.1	11651.4	10600.8	10437.8	10274.7	9450.6	8626.5
13017.8	67.5°	11803.0	10708.5	9613.8	9537.5	9461.0	8677.2	7893.3
11789.2	70°	10743.8	9765.0	8786.1	8751.9	8717.7	7865.1	7012.5
10283.4	72.5°	9500.5	8734.6	7968.8	7944.3	7919.7	6941.3	5962.9
8585.0	75°	8033.8	7438.0	6842.1	6751.2	6660.3	5647.7	4635.1
6759.3	77.5°	6368.4	5915.4	5462.4	5332.3	5202.2	4256.9	3311.7
4970.7	80°	4765.4	4423.4	4081.3	3919.6	3757.9	2962.7	2167.5
3265.3	82.5°	3179.6	2944.1	2708.7	2528.0	2347.3	1803.6	1259.9
1874.2	85°	1825.6	1632.2	1438.7	1285.1	1131.4	842.9	554.3
734.7	87.5°	730.5	633.8	537.0	451.3	365.6	268.6	171.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)