

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: P949315

Luminaire Tested: **GALN-SB4A-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949315
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-SB4A-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16615 lumens
Efficiency: N/A
Efficacy: 145.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

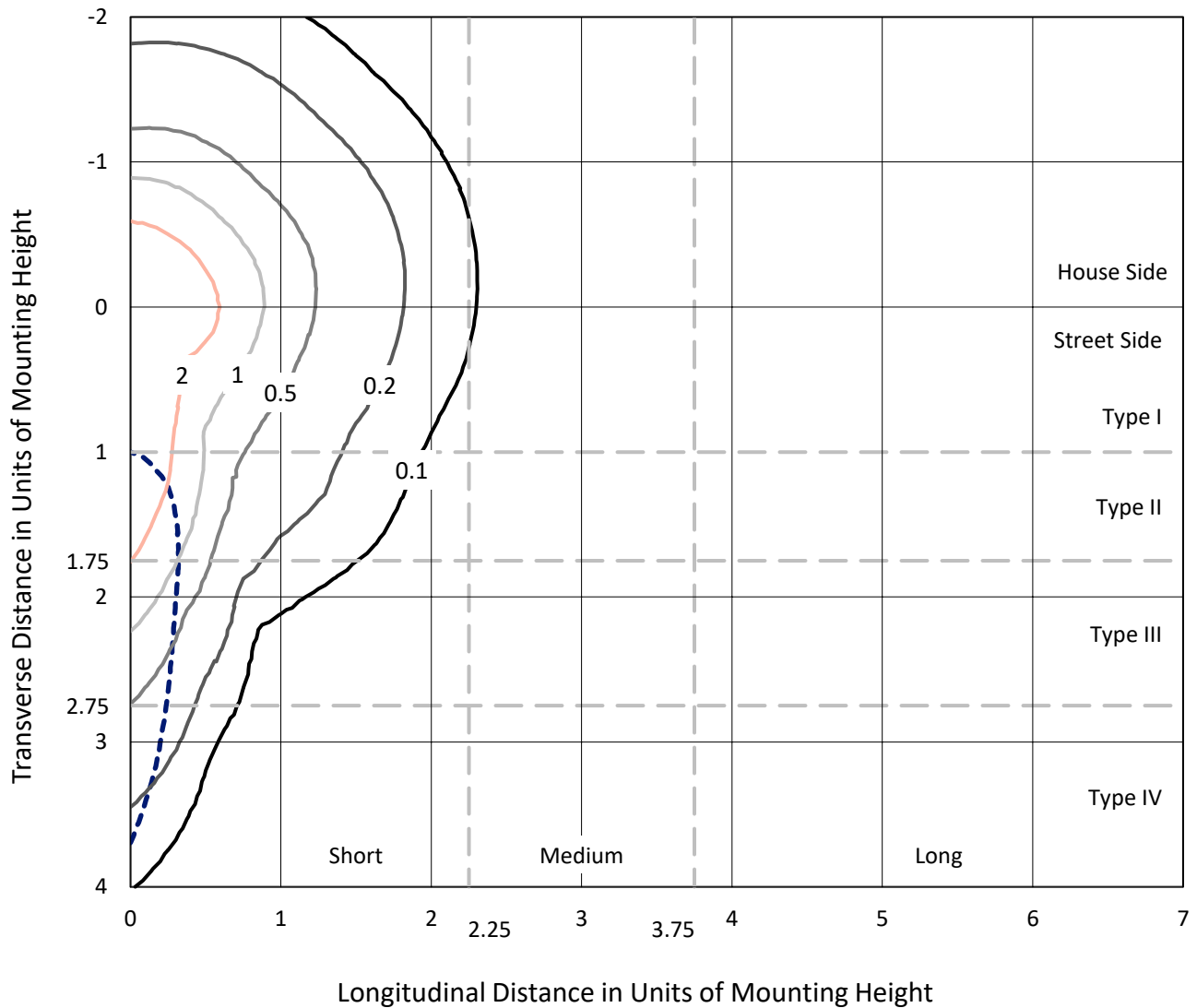
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

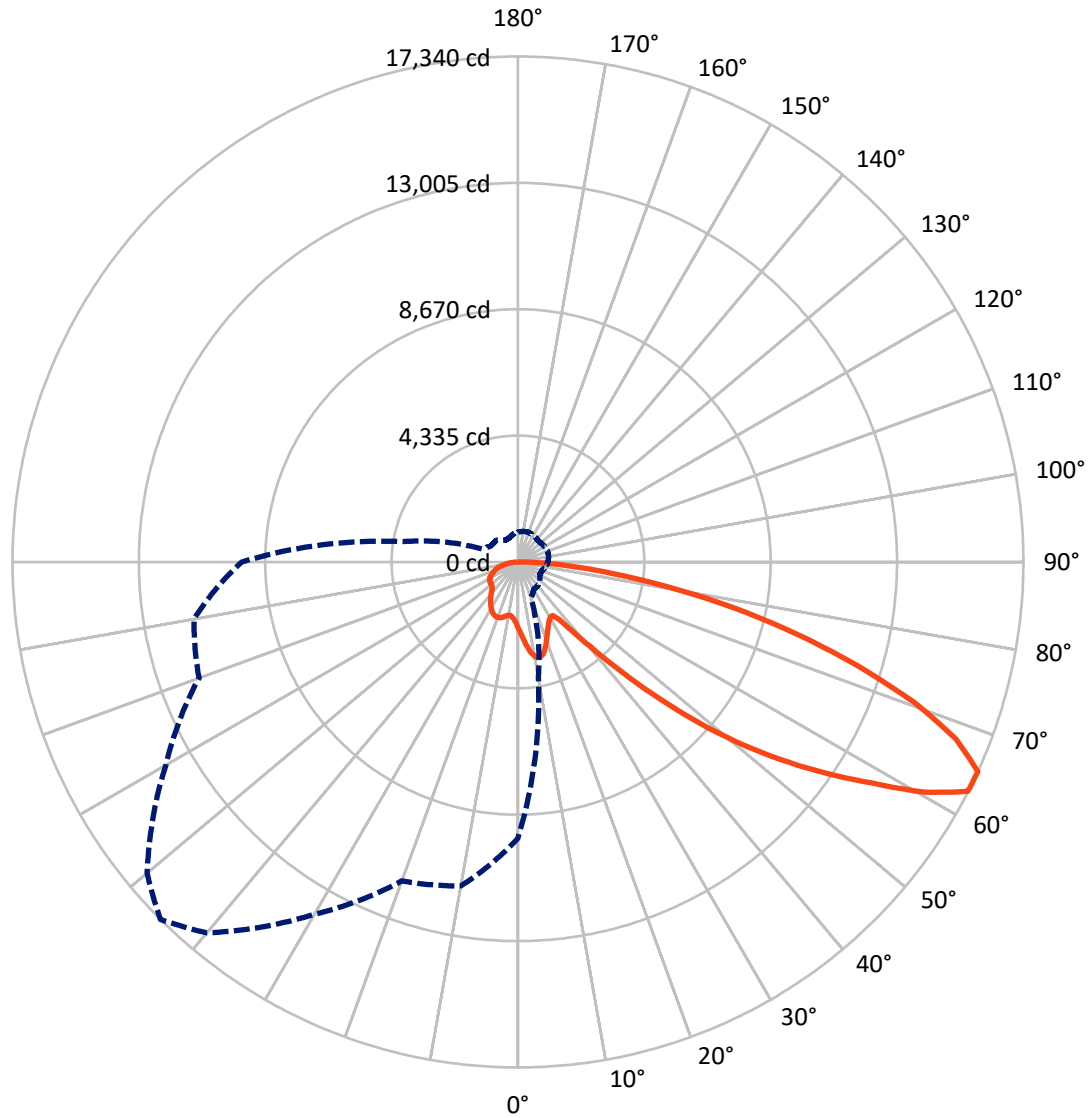
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4222.7	0.0	4222.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	12392.3	0.0	12392.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	16615.0	0.0	16615.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	1.4
10°-20°	711.5	4.3
20°-30°	1099.0	6.6
30°-40°	1392.7	8.4
40°-50°	2100.5	12.6
50°-60°	3393.7	20.4
60°-70°	4230.8	25.5
70°-80°	2774.3	16.7
80°-90°	685.9	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°	16615.0	100.0
0°-180°	16615.0	100.0



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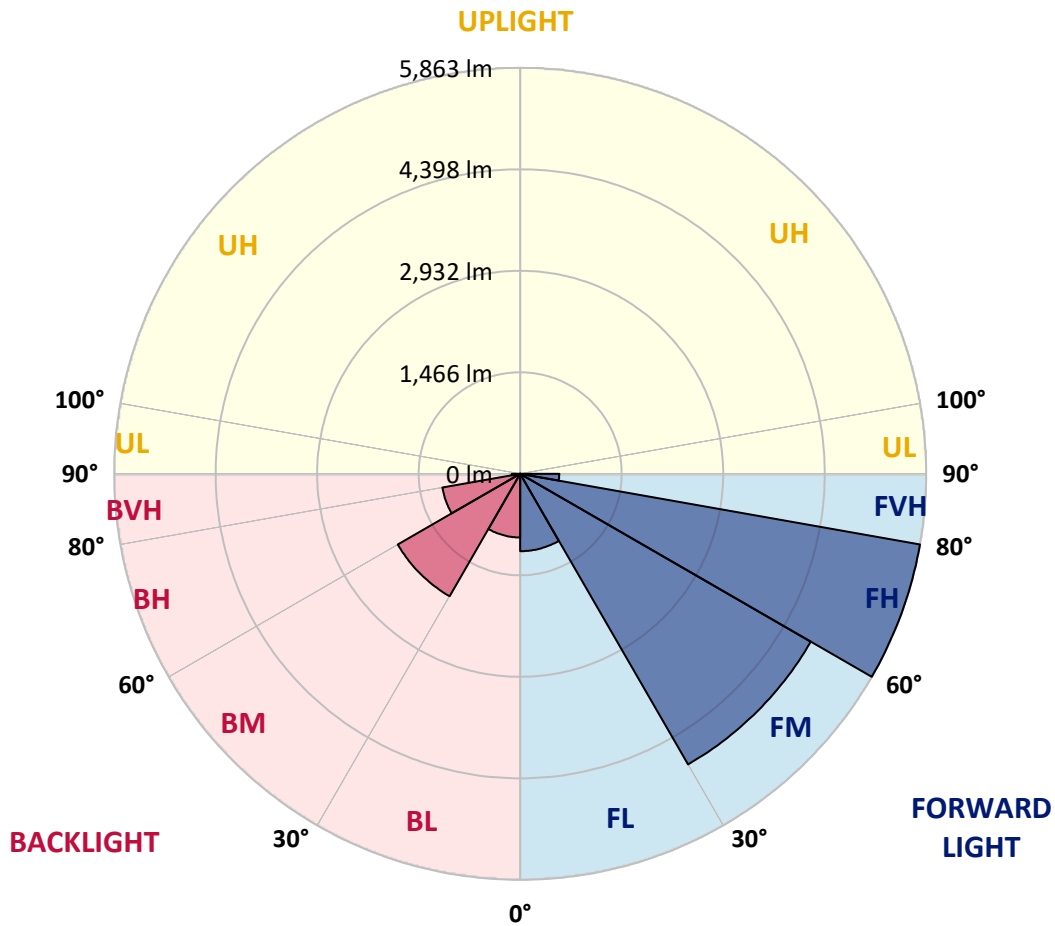
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1117.6	6.7			
FM (30°-60°)	4846.2	29.2			
FH (60°-80°)	5863.5	35.3			G3/7500
FVH (80°-90°)	565.0	3.4			G4/750
BL (0°-30°)	919.5	5.5	B2/1000		
BM (30°-60°)	2040.7	12.3	B2/2500		
BH (60°-80°)	1141.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	120.9	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°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2.5°	2457.0	2438.1	2419.3	2399.2	2379.2	2359.1	2338.9	2319.6	2300.3	2281.6
5°	2642.0	2600.3	2558.7	2517.1	2475.7	2433.8	2392.1	2353.1	2314.1	2277.3
7.5°	2827.8	2759.1	2690.4	2627.0	2563.5	2501.7	2439.9	2385.4	2331.0	2280.8
10°	2970.3	2883.4	2796.5	2712.6	2628.8	2553.8	2478.6	2414.3	2349.8	2287.8
12.5°	3057.5	2962.1	2866.7	2771.6	2676.6	2588.0	2499.5	2426.6	2353.8	2288.7
15°	3110.6	3011.1	2911.6	2808.5	2705.4	2603.4	2501.4	2417.1	2332.7	2260.6
17.5°	3140.4	3039.5	2938.6	2826.1	2713.6	2595.2	2476.9	2375.4	2274.0	2189.1
20°	3173.3	3068.4	2963.5	2839.8	2716.2	2572.8	2429.4	2303.6	2177.9	2079.1
22.5°	3211.4	3104.3	2997.0	2858.4	2719.7	2545.3	2370.8	2219.4	2068.0	1955.5
25°	3260.5	3155.5	3050.5	2892.1	2733.6	2518.1	2302.7	2125.3	1948.0	1832.8
27.5°	3327.1	3227.0	3126.8	2944.7	2762.5	2499.9	2237.4	2039.3	1841.3	1736.3
30°	3417.0	3320.2	3223.5	3012.8	2802.1	2491.4	2180.6	1967.4	1754.3	1666.2
32.5°	3523.1	3427.2	3331.5	3083.9	2836.3	2480.9	2125.3	1905.4	1685.5	1614.5
35°	3651.9	3560.2	3468.4	3164.9	2861.4	2461.1	2061.0	1844.5	1628.0	1568.9
37.5°	3868.9	3752.0	3635.0	3255.7	2876.3	2427.2	1978.0	1772.8	1567.6	1515.8
40°	4196.8	4026.4	3855.9	3370.9	2885.7	2380.4	1875.3	1687.2	1499.2	1452.3
42.5°	4631.7	4385.7	4139.6	3521.6	2903.5	2332.2	1761.1	1592.8	1424.5	1381.3
45°	5168.6	4836.8	4505.0	3719.9	2934.8	2287.4	1640.1	1492.5	1344.9	1301.0
47.5°	5840.2	5373.2	4906.1	3931.2	2956.3	2250.4	1544.6	1413.2	1281.7	1225.2
50°	6720.4	6016.3	5312.2	4127.2	2942.2	2210.1	1478.0	1360.5	1243.0	1168.7
52.5°	7730.8	6691.9	5653.0	4254.5	2855.9	2142.0	1428.2	1325.8	1223.4	1138.0
55°	8806.5	7290.9	5775.3	4226.4	2677.5	2029.1	1380.6	1300.6	1220.6	1141.0
57.5°	9785.0	7715.4	5645.8	4029.0	2412.3	1869.8	1327.3	1270.8	1214.2	1144.1
60°	10376.3	7821.5	5266.6	3661.6	2056.6	1663.1	1269.7	1225.2	1180.8	1134.5
62.5°	10076.0	7374.8	4673.6	3164.7	1655.9	1415.7	1175.5	1145.9	1116.5	1110.8
65°	9475.0	6742.8	4010.5	2657.8	1305.2	1193.1	1081.0	1067.0	1053.1	1053.8
67.5°	8669.8	5990.6	3311.5	2161.3	1011.0	979.2	947.3	955.1	962.8	960.9
70°	7702.3	5170.0	2637.6	1701.7	765.8	774.9	784.0	820.1	856.1	856.1
72.5°	6549.5	4280.3	2011.2	1300.9	590.7	618.2	645.7	696.9	748.0	756.6
75°	5091.1	3260.4	1429.7	944.2	458.7	483.6	508.5	565.8	623.2	662.8
77.5°	3637.5	2282.0	926.5	639.8	353.1	370.1	387.1	442.7	498.4	563.7
80°	2380.7	1470.2	559.8	412.2	264.8	271.8	278.8	326.0	373.0	451.1
82.5°	1383.9	850.9	318.1	253.5	189.2	190.4	191.8	226.5	261.3	327.9
85°	608.9	382.8	156.8	135.5	114.4	113.8	113.1	138.5	163.9	213.5
87.5°	188.5	125.4	62.2	56.2	50.1	49.5	48.9	59.3	69.7	90.3
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2260.9	2.5°	2244.0	2227.3	2212.1	2197.0	2183.8	2170.6	2157.2	2144.0	2133.7	2123.4
2240.9	5°	2209.1	2177.3	2150.7	2124.1	2100.6	2077.1	2055.8	2034.4	2018.0	2001.5
2233.7	7.5°	2191.4	2149.3	2114.2	2079.1	2049.6	2019.9	1993.8	1967.8	1948.2	1928.8
2237.2	10°	2192.7	2148.1	2113.0	2078.0	2046.2	2014.2	1984.9	1955.5	1932.2	1908.8
2241.6	12.5°	2205.1	2168.8	2145.5	2122.3	2097.3	2072.4	2041.9	2011.6	1981.8	1952.0
2222.9	15°	2205.5	2188.1	2191.2	2194.4	2187.9	2181.4	2155.0	2128.7	2086.2	2043.8
2165.9	17.5°	2172.3	2178.6	2216.8	2255.1	2275.4	2295.7	2274.4	2253.1	2196.9	2140.7
2073.0	20°	2102.8	2132.6	2199.0	2265.4	2307.9	2350.5	2340.6	2330.7	2266.5	2202.3
1967.5	22.5°	2011.6	2055.7	2131.5	2207.4	2262.7	2318.0	2324.0	2329.9	2268.5	2207.1
1865.2	25°	1916.0	1966.9	2035.0	2103.2	2157.7	2212.1	2232.5	2252.7	2202.4	2152.1
1775.8	27.5°	1824.9	1874.0	1930.0	1985.9	2029.6	2073.2	2095.9	2118.6	2082.7	2046.9
1697.1	30°	1736.1	1775.2	1821.6	1868.1	1904.3	1940.6	1959.0	1977.4	1950.2	1922.8
1628.2	32.5°	1651.3	1674.3	1711.4	1748.6	1783.3	1818.1	1838.5	1859.1	1834.0	1808.8
1563.2	35°	1569.5	1575.9	1604.2	1632.4	1666.8	1701.3	1725.8	1750.4	1732.5	1714.7
1495.0	37.5°	1488.0	1480.9	1501.3	1521.5	1555.8	1590.2	1620.5	1650.8	1642.6	1634.4
1420.3	40°	1404.4	1388.5	1403.2	1417.8	1451.0	1484.1	1519.0	1554.0	1556.0	1557.9
1340.9	42.5°	1319.9	1298.8	1310.8	1322.8	1354.2	1385.6	1423.3	1461.0	1471.1	1481.2
1262.0	45°	1241.5	1221.1	1231.1	1241.2	1271.1	1300.9	1340.0	1379.1	1393.5	1408.0
1191.6	47.5°	1174.4	1157.3	1166.7	1176.1	1205.3	1234.4	1273.0	1311.6	1328.2	1344.9
1129.6	50°	1114.4	1099.2	1113.9	1128.8	1156.3	1183.7	1218.3	1252.8	1274.2	1295.6
1083.4	52.5°	1068.4	1053.4	1075.5	1097.6	1122.9	1148.1	1180.2	1212.5	1237.8	1263.2
1058.9	55°	1035.0	1011.3	1042.8	1074.1	1101.3	1128.5	1156.7	1184.9	1211.7	1238.6
1044.2	57.5°	1009.4	974.7	1008.6	1042.4	1074.3	1106.2	1134.1	1162.1	1189.2	1216.2
1030.3	60°	985.3	940.3	970.0	999.6	1036.3	1072.9	1101.2	1129.6	1156.8	1184.0
1014.2	62.5°	957.9	901.7	920.5	939.4	982.1	1024.9	1055.1	1085.4	1110.3	1135.2
980.2	65°	920.4	860.5	867.8	875.0	920.7	966.6	995.5	1024.4	1046.4	1068.3
919.5	67.5°	869.7	819.9	817.6	815.3	857.6	899.9	927.4	954.7	973.7	992.6
842.5	70°	807.1	771.7	763.8	755.9	793.1	830.2	853.9	877.6	894.7	911.8
756.8	72.5°	732.5	708.2	696.6	685.1	714.4	743.6	765.0	786.4	803.2	819.9
659.5	75°	640.8	622.0	611.0	599.8	621.6	643.3	662.7	682.1	697.3	712.6
562.0	77.5°	547.0	532.0	520.8	509.5	527.3	544.9	561.5	578.2	594.2	610.2
450.8	80°	438.3	425.6	416.3	406.8	421.5	436.2	450.2	464.2	476.4	488.5
331.6	82.5°	325.4	319.3	312.6	306.0	304.7	303.5	298.6	293.7	319.6	345.6
218.3	85°	211.7	205.2	197.7	190.2	183.9	177.5	163.9	150.4	174.6	199.0
96.4	87.5°	93.8	91.2	89.8	88.4	88.1	87.8	77.5	67.1	77.2	87.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2115.1	2.5°	2106.7	2100.2	2093.8	2087.8	2081.7	2074.3	2081.7	2087.8	2093.8	2100.2
1990.0	5°	1978.6	1970.4	1962.3	1956.0	1949.8	1943.7	1949.8	1956.0	1962.3	1970.4
1915.1	7.5°	1901.4	1892.0	1882.7	1877.1	1871.6	1867.4	1871.6	1877.1	1882.7	1892.0
1893.5	10°	1878.1	1869.2	1860.4	1855.6	1850.9	1849.0	1850.9	1855.6	1860.4	1869.2
1932.3	12.5°	1912.5	1902.6	1892.8	1888.8	1884.8	1884.0	1884.8	1888.8	1892.8	1902.6
2013.8	15°	1983.8	1970.1	1956.4	1951.1	1945.9	1945.4	1945.9	1951.1	1956.4	1970.1
2096.6	17.5°	2052.4	2032.0	2011.6	2004.9	1998.2	1997.1	1998.2	2004.9	2011.6	2032.0
2148.1	20°	2094.0	2068.0	2041.9	2033.5	2025.2	2022.6	2025.2	2033.5	2041.9	2068.0
2151.4	22.5°	2095.5	2068.1	2040.5	2031.3	2022.1	2018.2	2022.1	2031.3	2040.5	2068.1
2102.5	25°	2053.1	2029.2	2005.5	1996.8	1988.2	1983.1	1988.2	1996.8	2005.5	2029.2
2008.5	27.5°	1970.0	1954.0	1938.0	1934.0	1930.1	1928.8	1930.1	1934.0	1938.0	1954.0
1895.3	30°	1867.6	1859.4	1851.2	1851.2	1851.2	1852.5	1851.2	1851.2	1851.2	1859.4
1786.8	32.5°	1764.8	1759.5	1754.1	1754.8	1755.6	1756.9	1755.6	1754.8	1754.1	1759.5
1694.3	35°	1674.1	1665.9	1657.9	1656.1	1654.4	1653.5	1654.4	1656.1	1657.9	1665.9
1615.7	37.5°	1596.9	1582.1	1567.4	1559.6	1551.8	1547.4	1551.8	1559.6	1567.4	1582.1
1542.0	40°	1526.2	1504.6	1483.2	1468.7	1454.3	1445.7	1454.3	1468.7	1483.2	1504.6
1467.8	42.5°	1454.5	1427.7	1401.0	1379.9	1358.7	1344.9	1358.7	1379.9	1401.0	1427.7
1395.9	45°	1383.9	1353.3	1322.8	1298.0	1273.2	1257.2	1273.2	1298.0	1322.8	1353.3
1336.5	47.5°	1328.0	1300.9	1273.7	1250.7	1227.8	1212.5	1227.8	1250.7	1273.7	1300.9
1295.1	50°	1294.7	1273.0	1251.2	1230.0	1208.8	1194.1	1208.8	1230.0	1251.2	1273.0
1267.7	52.5°	1272.3	1254.6	1236.9	1217.8	1198.9	1185.3	1198.9	1217.8	1236.9	1254.6
1244.9	55°	1251.2	1235.8	1220.4	1203.7	1187.1	1174.8	1187.1	1203.7	1220.4	1235.8
1222.6	57.5°	1229.0	1213.4	1197.8	1181.3	1164.7	1152.0	1164.7	1181.3	1197.8	1213.4
1191.0	60°	1198.0	1182.8	1167.6	1150.6	1133.6	1120.4	1133.6	1150.6	1167.6	1182.8
1141.9	62.5°	1148.7	1134.9	1121.1	1103.3	1085.4	1069.6	1085.4	1103.3	1121.1	1134.9
1075.2	65°	1082.0	1068.8	1055.6	1038.2	1020.9	1007.3	1020.9	1038.2	1055.6	1068.8
999.4	67.5°	1006.0	993.8	981.7	965.6	949.5	937.2	949.5	965.6	981.7	993.8
918.3	70°	924.8	914.8	904.9	889.5	874.1	860.1	874.1	889.5	904.9	914.8
827.6	72.5°	835.3	827.1	818.8	804.1	789.5	775.9	789.5	804.1	818.8	827.1
720.7	75°	728.7	724.7	720.7	708.3	695.9	683.0	695.9	708.3	720.7	724.7
617.7	77.5°	625.3	619.7	613.9	601.4	589.0	578.6	589.0	601.4	613.9	619.7
498.5	80°	508.5	506.0	503.7	486.9	470.1	450.6	470.1	486.9	503.7	506.0
362.6	82.5°	379.6	378.6	377.4	363.3	349.1	336.7	349.1	363.3	377.4	378.6
220.1	85°	241.1	239.3	237.6	226.5	215.5	204.3	215.5	226.5	237.6	239.3
96.0	87.5°	104.5	102.4	100.1	94.5	88.7	83.3	88.7	94.5	100.1	102.4
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2106.7	2.5°	2115.1	2123.4	2133.7	2144.0	2157.2	2170.6	2183.8	2197.0	2212.1	2227.3
1978.6	5°	1990.0	2001.5	2018.0	2034.4	2055.8	2077.1	2100.6	2124.1	2150.7	2177.3
1901.4	7.5°	1915.1	1928.8	1948.2	1967.8	1993.8	2019.9	2049.6	2079.1	2114.2	2149.3
1878.1	10°	1893.5	1908.8	1932.2	1955.5	1984.9	2014.2	2046.2	2078.0	2113.0	2148.1
1912.5	12.5°	1932.3	1952.0	1981.8	2011.6	2041.9	2072.4	2097.3	2122.3	2145.5	2168.8
1983.8	15°	2013.8	2043.8	2086.2	2128.7	2155.0	2181.4	2187.9	2194.4	2191.2	2188.1
2052.4	17.5°	2096.6	2140.7	2196.9	2253.1	2274.4	2295.7	2275.4	2255.1	2216.8	2178.6
2094.0	20°	2148.1	2202.3	2266.5	2330.7	2340.6	2350.5	2307.9	2265.4	2199.0	2132.6
2095.5	22.5°	2151.4	2207.1	2268.5	2329.9	2324.0	2318.0	2262.7	2207.4	2131.5	2055.7
2053.1	25°	2102.5	2152.1	2202.4	2252.7	2232.5	2212.1	2157.7	2103.2	2035.0	1966.9
1970.0	27.5°	2008.5	2046.9	2082.7	2118.6	2095.9	2073.2	2029.6	1985.9	1930.0	1874.0
1867.6	30°	1895.3	1922.8	1950.2	1977.4	1959.0	1940.6	1904.3	1868.1	1821.6	1775.2
1764.8	32.5°	1786.8	1808.8	1834.0	1859.1	1838.5	1818.1	1783.3	1748.6	1711.4	1674.3
1674.1	35°	1694.3	1714.7	1732.5	1750.4	1725.8	1701.3	1666.8	1632.4	1604.2	1575.9
1596.9	37.5°	1615.7	1634.4	1642.6	1650.8	1620.5	1590.2	1555.8	1521.5	1501.3	1480.9
1526.2	40°	1542.0	1557.9	1556.0	1554.0	1519.0	1484.1	1451.0	1417.8	1403.2	1388.5
1454.5	42.5°	1467.8	1481.2	1471.1	1461.0	1423.3	1385.6	1354.2	1322.8	1310.8	1298.8
1383.9	45°	1395.9	1408.0	1393.5	1379.1	1340.0	1300.9	1271.1	1241.2	1231.1	1221.1
1328.0	47.5°	1336.5	1344.9	1328.2	1311.6	1273.0	1234.4	1205.3	1176.1	1166.7	1157.3
1294.7	50°	1295.1	1295.6	1274.2	1252.8	1218.3	1183.7	1156.3	1128.8	1113.9	1099.2
1272.3	52.5°	1267.7	1263.2	1237.8	1212.5	1180.2	1148.1	1122.9	1097.6	1075.5	1053.4
1251.2	55°	1244.9	1238.6	1211.7	1184.9	1156.7	1128.5	1101.3	1074.1	1042.8	1011.3
1229.0	57.5°	1222.6	1216.2	1189.2	1162.1	1134.1	1106.2	1074.3	1042.4	1008.6	974.7
1198.0	60°	1191.0	1184.0	1156.8	1129.6	1101.2	1072.9	1036.3	999.6	970.0	940.3
1148.7	62.5°	1141.9	1135.2	1110.3	1085.4	1055.1	1024.9	982.1	939.4	920.5	901.7
1082.0	65°	1075.2	1068.3	1046.4	1024.4	995.5	966.6	920.7	875.0	867.8	860.5
1006.0	67.5°	999.4	992.6	973.7	954.7	927.4	899.9	857.6	815.3	817.6	819.9
924.8	70°	918.3	911.8	894.7	877.6	853.9	830.2	793.1	755.9	763.8	771.7
835.3	72.5°	827.6	819.9	803.2	786.4	765.0	743.6	714.4	685.1	696.6	708.2
728.7	75°	720.7	712.6	697.3	682.1	662.7	643.3	621.6	599.8	611.0	622.0
625.3	77.5°	617.7	610.2	594.2	578.2	561.5	544.9	527.3	509.5	520.8	532.0
508.5	80°	498.5	488.5	476.4	464.2	450.2	436.2	421.5	406.8	416.3	425.6
379.6	82.5°	362.6	345.6	319.6	293.7	298.6	303.5	304.7	306.0	312.6	319.3
241.1	85°	220.1	199.0	174.6	150.4	163.9	177.5	183.9	190.2	197.7	205.2
104.5	87.5°	96.0	87.5	77.2	67.1	77.5	87.8	88.1	88.4	89.8	91.2
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2244.0	2.5°	2260.9	2281.6	2300.3	2319.6	2338.9	2359.1	2379.2	2399.2	2419.3	2438.1
2209.1	5°	2240.9	2277.3	2314.1	2353.1	2392.1	2433.8	2475.7	2517.1	2558.7	2600.3
2191.4	7.5°	2233.7	2280.8	2331.0	2385.4	2439.9	2501.7	2563.5	2627.0	2690.4	2759.1
2192.7	10°	2237.2	2287.8	2349.8	2414.3	2478.6	2553.8	2628.8	2712.6	2796.5	2883.4
2205.1	12.5°	2241.6	2288.7	2353.8	2426.6	2499.5	2588.0	2676.6	2771.6	2866.7	2962.1
2205.5	15°	2222.9	2260.6	2332.7	2417.1	2501.4	2603.4	2705.4	2808.5	2911.6	3011.1
2172.3	17.5°	2165.9	2189.1	2274.0	2375.4	2476.9	2595.2	2713.6	2826.1	2938.6	3039.5
2102.8	20°	2073.0	2079.1	2177.9	2303.6	2429.4	2572.8	2716.2	2839.8	2963.5	3068.4
2011.6	22.5°	1967.5	1955.5	2068.0	2219.4	2370.8	2545.3	2719.7	2858.4	2997.0	3104.3
1916.0	25°	1865.2	1832.8	1948.0	2125.3	2302.7	2518.1	2733.6	2892.1	3050.5	3155.5
1824.9	27.5°	1775.8	1736.3	1841.3	2039.3	2237.4	2499.9	2762.5	2944.7	3126.8	3227.0
1736.1	30°	1697.1	1666.2	1754.3	1967.4	2180.6	2491.4	2802.1	3012.8	3223.5	3320.2
1651.3	32.5°	1628.2	1614.5	1685.5	1905.4	2125.3	2480.9	2836.3	3083.9	3331.5	3427.2
1569.5	35°	1563.2	1568.9	1628.0	1844.5	2061.0	2461.1	2861.4	3164.9	3468.4	3560.2
1488.0	37.5°	1495.0	1515.8	1567.6	1772.8	1978.0	2427.2	2876.3	3255.7	3635.0	3752.0
1404.4	40°	1420.3	1452.3	1499.2	1687.2	1875.3	2380.4	2885.7	3370.9	3855.9	4026.4
1319.9	42.5°	1340.9	1381.3	1424.5	1592.8	1761.1	2332.2	2903.5	3521.6	4139.6	4385.7
1241.5	45°	1262.0	1301.0	1344.9	1492.5	1640.1	2287.4	2934.8	3719.9	4505.0	4836.8
1174.4	47.5°	1191.6	1225.2	1281.7	1413.2	1544.6	2250.4	2956.3	3931.2	4906.1	5373.2
1114.4	50°	1129.6	1168.7	1243.0	1360.5	1478.0	2210.1	2942.2	4127.2	5312.2	6016.3
1068.4	52.5°	1083.4	1138.0	1223.4	1325.8	1428.2	2142.0	2855.9	4254.5	5653.0	6691.9
1035.0	55°	1058.9	1141.0	1220.6	1300.6	1380.6	2029.1	2677.5	4226.4	5775.3	7290.9
1009.4	57.5°	1044.2	1144.1	1214.2	1270.8	1327.3	1869.8	2412.3	4029.0	5645.8	7715.4
985.3	60°	1030.3	1134.5	1180.8	1225.2	1269.7	1663.1	2056.6	3661.6	5266.6	7821.5
957.9	62.5°	1014.2	1110.8	1116.5	1145.9	1175.5	1415.7	1655.9	3164.7	4673.6	7374.8
920.4	65°	980.2	1053.8	1053.1	1067.0	1081.0	1193.1	1305.2	2657.8	4010.5	6742.8
869.7	67.5°	919.5	960.9	962.8	955.1	947.3	979.2	1011.0	2161.3	3311.5	5990.6
807.1	70°	842.5	856.1	856.1	820.1	784.0	774.9	765.8	1701.7	2637.6	5170.0
732.5	72.5°	756.8	756.6	748.0	696.9	645.7	618.2	590.7	1300.9	2011.2	4280.3
640.8	75°	659.5	662.8	623.2	565.8	508.5	483.6	458.7	944.2	1429.7	3260.4
547.0	77.5°	562.0	563.7	498.4	442.7	387.1	370.1	353.1	639.8	926.5	2282.0
438.3	80°	450.8	451.1	373.0	326.0	278.8	271.8	264.8	412.2	559.8	1470.2
325.4	82.5°	331.6	327.9	261.3	226.5	191.8	190.4	189.2	253.5	318.1	850.9
211.7	85°	218.3	213.5	163.9	138.5	113.1	113.8	114.4	135.5	156.8	382.8
93.8	87.5°	96.4	90.3	69.7	59.3	48.9	49.5	50.1	56.2	62.2	125.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2457.0	2.5°	2466.3	2475.7	2488.9	2502.1	2510.0	2517.9	2521.9	2525.8	2524.0	2525.8
2642.0	5°	2674.5	2707.1	2739.4	2771.7	2789.3	2806.8	2817.4	2828.1	2836.2	2828.1
2827.8	7.5°	2880.8	2933.6	2981.3	3028.9	3057.5	3086.2	3101.7	3117.1	3124.6	3117.1
2970.3	10°	3032.9	3095.5	3151.3	3207.2	3241.0	3274.7	3289.8	3304.8	3310.5	3304.8
3057.5	12.5°	3125.4	3193.2	3243.7	3294.0	3318.5	3343.1	3351.3	3359.6	3360.4	3359.6
3110.6	15°	3169.1	3227.6	3259.3	3291.0	3291.9	3292.7	3284.0	3275.2	3264.9	3275.2
3140.4	17.5°	3179.9	3219.5	3220.1	3220.6	3185.1	3149.6	3117.1	3084.4	3061.5	3084.4
3173.3	20°	3187.0	3200.9	3159.2	3117.6	3039.2	2960.8	2903.8	2846.7	2811.6	2846.7
3211.4	22.5°	3193.3	3175.3	3089.0	3002.7	2887.4	2772.2	2700.8	2629.4	2590.7	2629.4
3260.5	25°	3203.5	3146.5	3015.5	2884.6	2744.5	2604.5	2529.5	2454.6	2418.0	2454.6
3327.1	27.5°	3225.2	3123.3	2949.8	2776.4	2621.2	2466.0	2392.2	2318.5	2283.8	2318.5
3417.0	30°	3265.0	3113.2	2899.6	2686.1	2524.4	2362.7	2294.3	2225.8	2193.5	2225.8
3523.1	32.5°	3315.0	3107.1	2865.4	2623.8	2471.9	2319.9	2266.2	2212.4	2189.1	2212.4
3651.9	35°	3397.3	3142.8	2891.0	2639.3	2533.8	2428.3	2415.8	2403.2	2401.3	2403.2
3868.9	37.5°	3569.4	3270.0	3041.1	2812.3	2805.5	2798.6	2856.0	2913.3	2943.1	2913.3
4196.8	40°	3871.1	3545.4	3375.2	3205.1	3325.2	3445.3	3584.7	3724.1	3793.5	3724.1
4631.7	42.5°	4308.5	3985.3	3887.3	3789.3	4051.3	4313.2	4566.8	4820.3	4969.2	4820.3
5168.6	45°	4878.4	4588.0	4544.8	4501.5	4921.1	5340.9	5757.5	6174.2	6427.2	6174.2
5840.2	47.5°	5557.8	5275.3	5266.6	5257.8	5863.3	6468.5	7078.5	7688.3	8046.4	7688.3
6720.4	50°	6371.6	6022.8	6024.3	6025.8	6806.1	7586.3	8391.4	9196.5	9683.3	9196.5
7730.8	52.5°	7308.4	6886.1	6843.4	6800.6	7732.7	8664.7	9660.8	10656.8	11240.3	10656.8
8806.5	55°	8389.2	7971.9	7805.4	7638.9	8676.3	9713.5	10901.0	12088.5	12782.4	12088.5
9785.0	57.5°	9557.7	9330.4	8996.4	8662.6	9710.0	10757.4	12102.5	13447.4	14307.9	13447.4
10376.3	60°	10729.3	11082.3	10667.6	10252.9	11244.2	12235.4	13675.4	15115.5	16045.5	15115.5
10076.0	62.5°	11040.5	12005.0	11958.2	11911.4	12819.4	13727.5	15097.6	16467.7	17327.3	16467.7
9475.0	65°	10380.2	11285.4	11464.6	11643.6	12797.5	13951.5	15280.1	16608.6	17340.4	16608.6
8669.8	67.5°	9530.7	10391.6	10475.6	10559.5	11761.9	12964.1	14298.3	15632.6	16206.0	15632.6
7702.3	70°	8638.7	9575.2	9612.8	9650.4	10725.6	11800.7	12948.9	14097.1	14415.7	14097.1
6549.5	72.5°	7624.0	8698.7	8725.7	8752.6	9593.8	10435.0	11295.0	12154.9	12187.1	12154.9
5091.1	75°	6203.2	7315.4	7415.3	7515.2	8169.6	8824.1	9429.5	10034.8	9872.6	10034.8
3637.5	77.5°	4675.7	5714.0	5856.9	5999.8	6497.3	6994.8	7424.2	7853.6	7574.8	7853.6
2380.7	80°	3254.2	4127.5	4305.2	4482.8	4858.6	5234.1	5459.6	5685.0	5236.6	5685.0
1383.9	82.5°	1981.0	2578.2	2776.6	2975.1	3233.7	3492.4	3586.4	3680.4	3328.0	3680.4
608.9	85°	925.8	1242.7	1411.5	1580.3	1792.8	2005.2	2058.6	2112.0	1829.7	2112.0
188.5	87.5°	295.0	401.5	495.7	589.9	696.1	802.4	806.9	811.4	681.2	811.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2521.9	2.5°	2517.9	2510.0	2502.1	2488.9	2475.7	2466.3	2457.0
2817.4	5°	2806.8	2789.3	2771.7	2739.4	2707.1	2674.5	2642.0
3101.7	7.5°	3086.2	3057.5	3028.9	2981.3	2933.6	2880.8	2827.8
3289.8	10°	3274.7	3241.0	3207.2	3151.3	3095.5	3032.9	2970.3
3351.3	12.5°	3343.1	3318.5	3294.0	3243.7	3193.2	3125.4	3057.5
3284.0	15°	3292.7	3291.9	3291.0	3259.3	3227.6	3169.1	3110.6
3117.1	17.5°	3149.6	3185.1	3220.6	3220.1	3219.5	3179.9	3140.4
2903.8	20°	2960.8	3039.2	3117.6	3159.2	3200.9	3187.0	3173.3
2700.8	22.5°	2772.2	2887.4	3002.7	3089.0	3175.3	3193.3	3211.4
2529.5	25°	2604.5	2744.5	2884.6	3015.5	3146.5	3203.5	3260.5
2392.2	27.5°	2466.0	2621.2	2776.4	2949.8	3123.3	3225.2	3327.1
2294.3	30°	2362.7	2524.4	2686.1	2899.6	3113.2	3265.0	3417.0
2266.2	32.5°	2319.9	2471.9	2623.8	2865.4	3107.1	3315.0	3523.1
2415.8	35°	2428.3	2533.8	2639.3	2891.0	3142.8	3397.3	3651.9
2856.0	37.5°	2798.6	2805.5	2812.3	3041.1	3270.0	3569.4	3868.9
3584.7	40°	3445.3	3325.2	3205.1	3375.2	3545.4	3871.1	4196.8
4566.8	42.5°	4313.2	4051.3	3789.3	3887.3	3985.3	4308.5	4631.7
5757.5	45°	5340.9	4921.1	4501.5	4544.8	4588.0	4878.4	5168.6
7078.5	47.5°	6468.5	5863.3	5257.8	5266.6	5275.3	5557.8	5840.2
8391.4	50°	7586.3	6806.1	6025.8	6024.3	6022.8	6371.6	6720.4
9660.8	52.5°	8664.7	7732.7	6800.6	6843.4	6886.1	7308.4	7730.8
10901.0	55°	9713.5	8676.3	7638.9	7805.4	7971.9	8389.2	8806.5
12102.5	57.5°	10757.4	9710.0	8662.6	8996.4	9330.4	9557.7	9785.0
13675.4	60°	12235.4	11244.2	10252.9	10667.6	11082.3	10729.3	10376.3
15097.6	62.5°	13727.5	12819.4	11911.4	11958.2	12005.0	11040.5	10076.0
15280.1	65°	13951.5	12797.5	11643.6	11464.6	11285.4	10380.2	9475.0
14298.3	67.5°	12964.1	11761.9	10559.5	10475.6	10391.6	9530.7	8669.8
12948.9	70°	11800.7	10725.6	9650.4	9612.8	9575.2	8638.7	7702.3
11295.0	72.5°	10435.0	9593.8	8752.6	8725.7	8698.7	7624.0	6549.5
9429.5	75°	8824.1	8169.6	7515.2	7415.3	7315.4	6203.2	5091.1
7424.2	77.5°	6994.8	6497.3	5999.8	5856.9	5714.0	4675.7	3637.5
5459.6	80°	5234.1	4858.6	4482.8	4305.2	4127.5	3254.2	2380.7
3586.4	82.5°	3492.4	3233.7	2975.1	2776.6	2578.2	1981.0	1383.9
2058.6	85°	2005.2	1792.8	1580.3	1411.5	1242.7	925.8	608.9
806.9	87.5°	802.4	696.1	589.9	495.7	401.5	295.0	188.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)