

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: P947887

Luminaire Tested: **GALN-SB3A-835-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947887  
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-SB3A-835-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

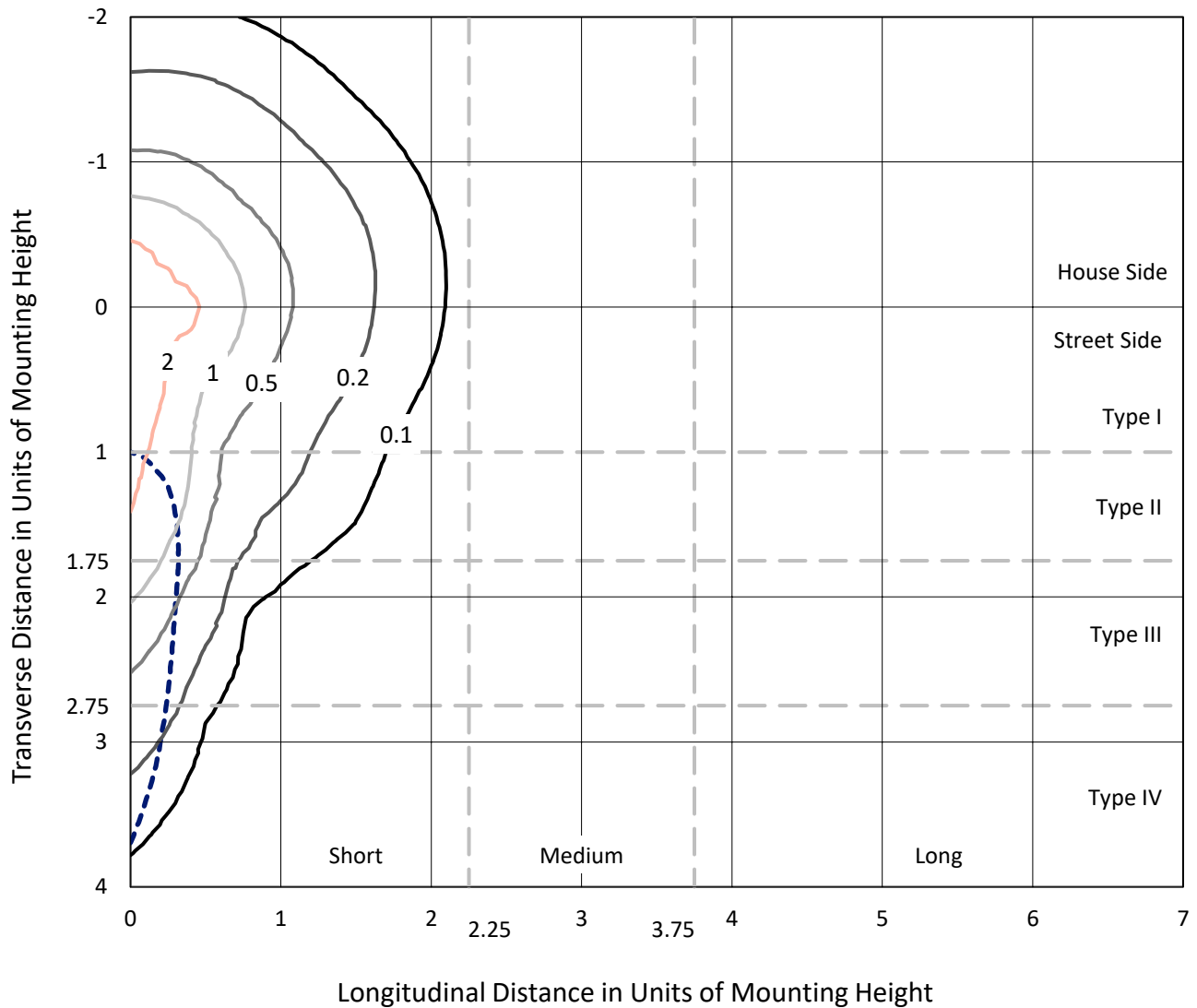
Lumens per Lamp: N/A  
Luminaire Lumens: 12439 lumens  
Efficiency: N/A  
Efficacy: 146.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

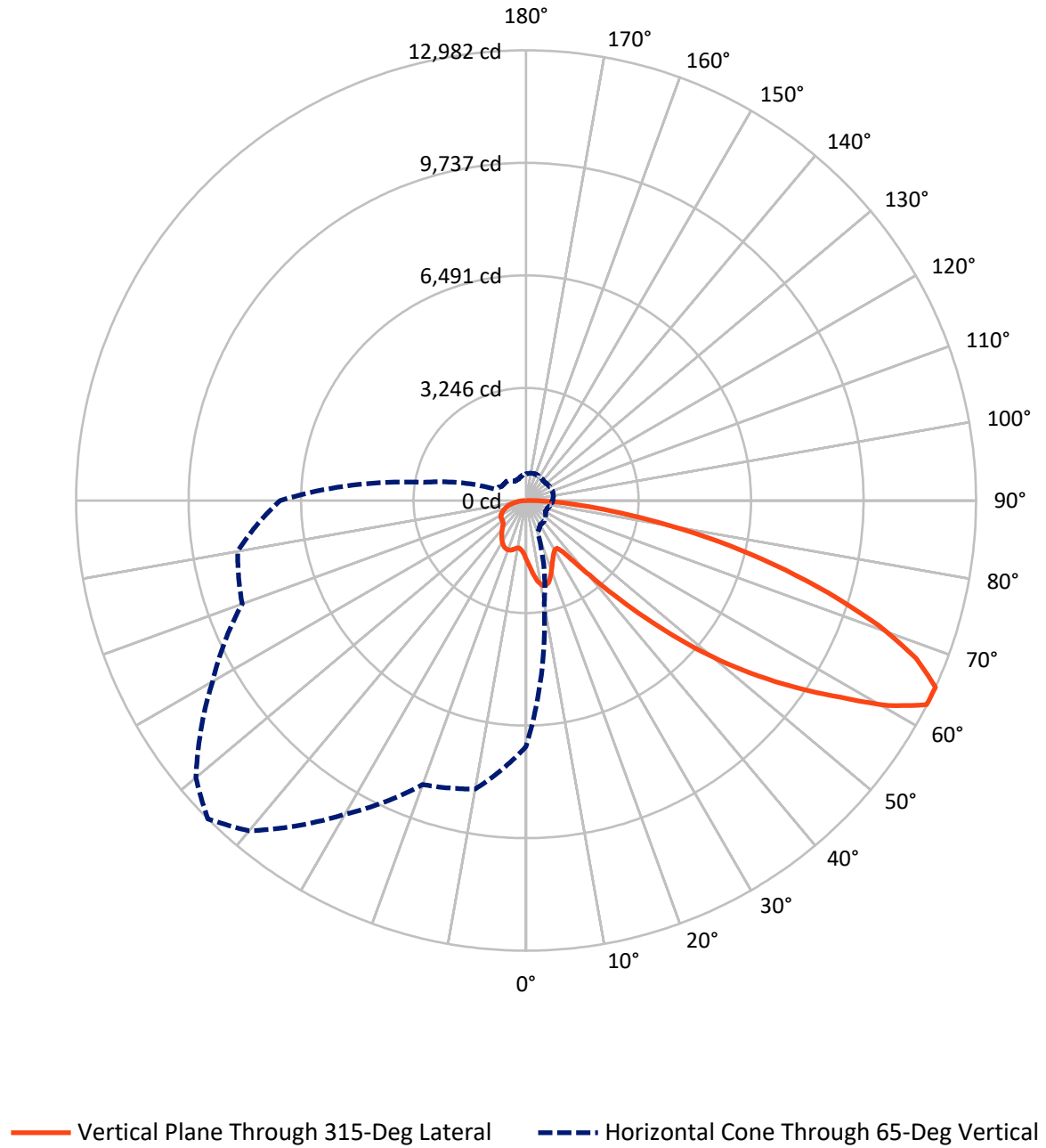
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3161.4	0.0	3161.4
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	9277.6	0.0	9277.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	12439.0	0.0	12439.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	169.7	1.4
10°-20°	532.7	4.3
20°-30°	822.8	6.6
30°-40°	1042.6	8.4
40°-50°	1572.6	12.6
50°-60°	2540.7	20.4
60°-70°	3167.4	25.5
70°-80°	2077.0	16.7
80°-90°	513.5	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°	12439.0	100.0
0°-180°	12439.0	100.0

**Coefficient of Utilization**



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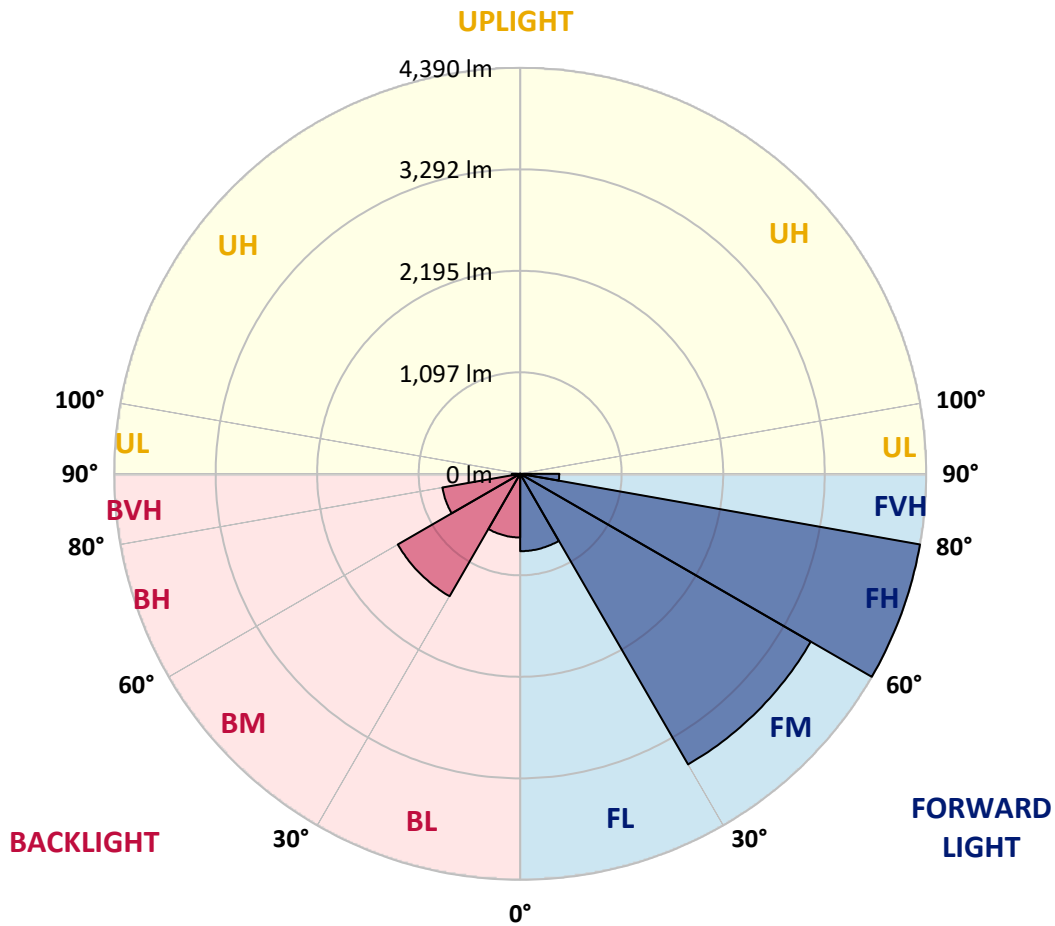
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.7	6.7			
FM (30°-60°)	3628.2	29.2			
FH (60°-80°)	4389.8	35.3			G2/5000
FVH (80°-90°)	423.0	3.4			G3/500
BL (0°-30°)	688.4	5.5	B2/1000		
BM (30°-60°)	1527.8	12.3	B2/2500		
BH (60°-80°)	854.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	90.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
2.5°	1839.4	1825.3	1811.2	1796.2	1781.2	1766.1	1751.0	1736.6	1722.2	1708.2
5°	1977.9	1946.8	1915.6	1884.5	1853.4	1822.1	1790.9	1761.7	1732.5	1704.9
7.5°	2117.1	2065.6	2014.2	1966.7	1919.2	1872.9	1826.6	1785.9	1745.1	1707.5
10°	2223.7	2158.7	2093.7	2030.8	1968.1	1911.9	1855.7	1807.5	1759.2	1712.8
12.5°	2289.0	2217.6	2146.2	2075.0	2003.9	1937.6	1871.3	1816.7	1762.2	1713.4
15°	2328.8	2254.3	2179.8	2102.6	2025.4	1949.1	1872.7	1809.6	1746.4	1692.4
17.5°	2351.1	2275.5	2200.0	2115.8	2031.6	1943.0	1854.3	1778.4	1702.5	1638.9
20°	2375.7	2297.2	2218.6	2126.1	2033.5	1926.1	1818.8	1724.6	1630.5	1556.6
22.5°	2404.2	2324.0	2243.8	2140.0	2036.2	1905.5	1774.9	1661.6	1548.2	1464.0
25°	2441.0	2362.4	2283.8	2165.2	2046.5	1885.2	1723.9	1591.1	1458.4	1372.1
27.5°	2490.9	2415.9	2340.9	2204.6	2068.2	1871.6	1675.0	1526.8	1378.5	1299.9
30°	2558.2	2485.7	2413.3	2255.6	2097.9	1865.2	1632.5	1472.9	1313.4	1247.4
32.5°	2637.6	2565.8	2494.2	2308.8	2123.5	1857.4	1591.1	1426.5	1261.8	1208.7
35°	2734.1	2665.4	2596.7	2369.5	2142.2	1842.5	1543.0	1380.9	1218.9	1174.6
37.5°	2896.5	2809.0	2721.4	2437.4	2153.4	1817.1	1480.9	1327.2	1173.6	1134.8
40°	3142.0	3014.4	2886.8	2523.6	2160.4	1782.1	1404.0	1263.2	1122.4	1087.3
42.5°	3467.5	3283.4	3099.2	2636.5	2173.7	1746.0	1318.5	1192.5	1066.5	1034.1
45°	3869.6	3621.1	3372.7	2784.9	2197.2	1712.5	1227.9	1117.4	1006.9	974.0
47.5°	4372.3	4022.7	3673.0	2943.1	2213.2	1684.8	1156.4	1058.0	959.6	917.3
50°	5031.3	4504.2	3977.0	3089.9	2202.7	1654.6	1106.5	1018.5	930.6	874.9
52.5°	5787.8	5010.0	4232.2	3185.2	2138.1	1603.6	1069.2	992.5	915.9	852.0
55°	6593.1	5458.4	4323.8	3164.2	2004.5	1519.1	1033.6	973.7	913.8	854.3
57.5°	7325.6	5776.2	4226.8	3016.4	1806.0	1399.9	993.7	951.4	909.1	856.5
60°	7768.3	5855.6	3942.9	2741.3	1539.7	1245.1	950.5	917.3	884.0	849.3
62.5°	7543.5	5521.2	3498.9	2369.3	1239.7	1059.9	880.0	857.9	835.9	831.6
65°	7093.6	5048.1	3002.5	1989.8	977.2	893.2	809.3	798.9	788.4	788.9
67.5°	6490.7	4485.0	2479.2	1618.1	756.9	733.1	709.2	715.0	720.8	719.4
70°	5766.4	3870.5	1974.7	1274.0	573.3	580.2	586.9	614.0	640.9	640.9
72.5°	4903.3	3204.5	1505.7	974.0	442.3	462.8	483.4	521.7	560.0	566.4
75°	3811.5	2440.9	1070.4	706.9	343.4	362.0	380.7	423.6	466.5	496.2
77.5°	2723.2	1708.4	693.6	479.0	264.4	277.0	289.8	331.5	373.1	422.0
80°	1782.3	1100.7	419.1	308.6	198.2	203.5	208.7	244.0	279.3	337.7
82.5°	1036.1	637.1	238.1	189.8	141.6	142.6	143.6	169.6	195.6	245.5
85°	455.8	286.6	117.4	101.5	85.7	85.2	84.7	103.7	122.7	159.8
87.5°	141.1	93.9	46.6	42.1	37.5	37.1	36.6	44.4	52.2	67.6
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°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1692.6	2.5°	1680.0	1667.5	1656.1	1644.8	1634.9	1625.0	1615.0	1605.1	1597.4	1589.7
1677.7	5°	1653.9	1630.1	1610.1	1590.2	1572.6	1555.0	1539.1	1523.1	1510.8	1498.5
1672.3	7.5°	1640.6	1609.1	1582.8	1556.6	1534.4	1512.2	1492.7	1473.2	1458.6	1444.0
1674.9	10°	1641.6	1608.2	1582.0	1555.7	1531.9	1508.0	1486.0	1464.0	1446.5	1429.0
1678.2	12.5°	1650.9	1623.7	1606.2	1588.9	1570.1	1551.5	1528.7	1506.0	1483.7	1461.4
1664.2	15°	1651.1	1638.1	1640.5	1642.9	1638.0	1633.2	1613.4	1593.6	1561.9	1530.1
1621.5	17.5°	1626.3	1631.1	1659.7	1688.3	1703.5	1718.7	1702.7	1686.8	1644.8	1602.7
1552.0	20°	1574.3	1596.6	1646.3	1696.0	1727.9	1759.7	1752.3	1744.9	1696.8	1648.8
1473.0	22.5°	1506.0	1539.0	1595.7	1652.6	1694.0	1735.4	1739.9	1744.3	1698.3	1652.4
1396.4	25°	1434.5	1472.5	1523.5	1574.6	1615.4	1656.1	1671.4	1686.5	1648.8	1611.2
1329.5	27.5°	1366.2	1403.0	1444.9	1486.8	1519.5	1552.2	1569.1	1586.1	1559.2	1532.5
1270.6	30°	1299.7	1329.0	1363.8	1398.6	1425.7	1452.8	1466.6	1480.4	1460.0	1439.5
1219.0	32.5°	1236.3	1253.5	1281.3	1309.1	1335.1	1361.2	1376.4	1391.8	1373.0	1354.2
1170.3	35°	1175.0	1179.8	1201.0	1222.1	1247.9	1273.7	1292.0	1310.4	1297.0	1283.7
1119.2	37.5°	1114.0	1108.7	1123.9	1139.1	1164.8	1190.5	1213.2	1235.9	1229.8	1223.6
1063.3	40°	1051.4	1039.5	1050.5	1061.5	1086.3	1111.1	1137.2	1163.4	1164.9	1166.3
1003.9	42.5°	988.1	972.4	981.3	990.3	1013.8	1037.4	1065.6	1093.8	1101.4	1108.9
944.8	45°	929.5	914.2	921.7	929.3	951.6	973.9	1003.2	1032.5	1043.3	1054.1
892.1	47.5°	879.3	866.4	873.5	880.5	902.4	924.2	953.0	981.9	994.4	1006.9
845.7	50°	834.3	822.9	834.0	845.1	865.7	886.2	912.1	937.9	954.0	970.0
811.1	52.5°	799.8	788.6	805.2	821.8	840.7	859.5	883.6	907.7	926.7	945.7
792.7	55°	774.9	757.1	780.7	804.2	824.5	844.9	866.0	887.1	907.2	927.3
781.7	57.5°	755.7	729.7	755.1	780.4	804.3	828.2	849.1	870.0	890.3	910.5
771.4	60°	737.7	703.9	726.2	748.4	775.8	803.3	824.5	845.7	866.1	886.4
759.3	62.5°	717.1	675.1	689.2	703.3	735.3	767.3	789.9	812.6	831.2	849.9
733.8	65°	689.0	644.2	649.7	655.0	689.3	723.6	745.3	767.0	783.4	799.8
688.4	67.5°	651.1	613.8	612.1	610.4	642.0	673.8	694.3	714.8	729.0	743.1
630.8	70°	604.2	577.7	571.8	565.9	593.7	621.6	639.3	657.0	669.8	682.6
566.6	72.5°	548.4	530.2	521.5	512.9	534.9	556.7	572.7	588.8	601.3	613.8
493.7	75°	479.7	465.7	457.4	449.1	465.4	481.6	496.1	510.6	522.1	533.5
420.7	77.5°	409.5	398.3	389.9	381.5	394.7	407.9	420.4	432.9	444.9	456.8
337.5	80°	328.1	318.7	311.6	304.6	315.6	326.5	337.0	347.5	356.7	365.7
248.2	82.5°	243.6	239.0	234.1	229.1	228.2	227.2	223.6	219.9	239.3	258.7
163.4	85°	158.5	153.6	148.0	142.4	137.7	132.9	122.7	112.6	130.7	149.0
72.2	87.5°	70.2	68.3	67.2	66.2	66.0	65.8	58.0	50.2	57.8	65.5
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°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1583.5	2.5°	1577.2	1572.4	1567.5	1563.1	1558.5	1552.9	1558.5	1563.1	1567.5	1572.4
1489.9	5°	1481.3	1475.2	1469.1	1464.4	1459.7	1455.1	1459.7	1464.4	1469.1	1475.2
1433.7	7.5°	1423.5	1416.5	1409.5	1405.3	1401.2	1398.0	1401.2	1405.3	1409.5	1416.5
1417.6	10°	1406.1	1399.4	1392.8	1389.2	1385.7	1384.3	1385.7	1389.2	1392.8	1399.4
1446.6	12.5°	1431.8	1424.4	1417.1	1414.1	1411.0	1410.5	1411.0	1414.1	1417.1	1424.4
1507.7	15°	1485.2	1474.9	1464.7	1460.7	1456.8	1456.5	1456.8	1460.7	1464.7	1474.9
1569.6	17.5°	1536.5	1521.3	1506.0	1501.0	1496.0	1495.2	1496.0	1501.0	1506.0	1521.3
1608.2	20°	1567.7	1548.2	1528.7	1522.4	1516.2	1514.2	1516.2	1522.4	1528.7	1548.2
1610.6	22.5°	1568.8	1548.3	1527.7	1520.8	1513.9	1510.9	1513.9	1520.8	1527.7	1548.3
1574.1	25°	1537.1	1519.2	1501.4	1494.9	1488.5	1484.7	1488.5	1494.9	1501.4	1519.2
1503.7	27.5°	1474.8	1462.9	1450.9	1447.9	1445.0	1444.0	1445.0	1447.9	1450.9	1462.9
1418.9	30°	1398.2	1392.1	1385.9	1385.9	1385.9	1386.9	1385.9	1385.9	1385.9	1392.1
1337.7	32.5°	1321.2	1317.2	1313.2	1313.8	1314.4	1315.3	1314.4	1313.8	1313.2	1317.2
1268.5	35°	1253.3	1247.2	1241.2	1239.9	1238.5	1237.9	1238.5	1239.9	1241.2	1247.2
1209.6	37.5°	1195.6	1184.5	1173.4	1167.6	1161.8	1158.5	1161.8	1167.6	1173.4	1184.5
1154.5	40°	1142.6	1126.4	1110.4	1099.5	1088.8	1082.3	1088.8	1099.5	1110.4	1126.4
1098.9	42.5°	1088.9	1068.9	1048.9	1033.0	1017.2	1006.9	1017.2	1033.0	1048.9	1068.9
1045.1	45°	1036.1	1013.2	990.3	971.7	953.2	941.2	953.2	971.7	990.3	1013.2
1000.6	47.5°	994.3	973.9	953.6	936.4	919.2	907.7	919.2	936.4	953.6	973.9
969.6	50°	969.3	953.0	936.8	920.9	905.0	894.0	905.0	920.9	936.8	953.0
949.1	52.5°	952.5	939.2	926.0	911.7	897.6	887.4	897.6	911.7	926.0	939.2
932.0	55°	936.8	925.2	913.7	901.2	888.7	879.5	888.7	901.2	913.7	925.2
915.3	57.5°	920.1	908.4	896.7	884.4	872.0	862.5	872.0	884.4	896.7	908.4
891.7	60°	896.9	885.5	874.1	861.4	848.7	838.8	848.7	861.4	874.1	885.5
854.9	62.5°	860.0	849.7	839.4	826.0	812.6	800.8	812.6	826.0	839.4	849.7
805.0	65°	810.1	800.2	790.3	777.3	764.3	754.2	764.3	777.3	790.3	800.2
748.2	67.5°	753.2	744.0	735.0	722.9	710.8	701.6	710.8	722.9	735.0	744.0
687.5	70°	692.3	684.9	677.5	665.9	654.4	643.9	654.4	665.9	677.5	684.9
619.6	72.5°	625.4	619.2	613.0	602.0	591.1	580.9	591.1	602.0	613.0	619.2
539.5	75°	545.6	542.5	539.5	530.3	521.0	511.3	521.0	530.3	539.5	542.5
462.5	77.5°	468.1	463.9	459.6	450.3	440.9	433.2	440.9	450.3	459.6	463.9
373.2	80°	380.7	378.8	377.1	364.5	351.9	337.4	351.9	364.5	377.1	378.8
271.5	82.5°	284.2	283.4	282.6	272.0	261.4	252.0	261.4	272.0	282.6	283.4
164.7	85°	180.5	179.2	177.9	169.6	161.3	152.9	161.3	169.6	177.9	179.2
71.9	87.5°	78.2	76.7	75.0	70.8	66.4	62.4	66.4	70.8	75.0	76.7
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1577.2	2.5°	1583.5	1589.7	1597.4	1605.1	1615.0	1625.0	1634.9	1644.8	1656.1	1667.5
1481.3	5°	1489.9	1498.5	1510.8	1523.1	1539.1	1555.0	1572.6	1590.2	1610.1	1630.1
1423.5	7.5°	1433.7	1444.0	1458.6	1473.2	1492.7	1512.2	1534.4	1556.6	1582.8	1609.1
1406.1	10°	1417.6	1429.0	1446.5	1464.0	1486.0	1508.0	1531.9	1555.7	1582.0	1608.2
1431.8	12.5°	1446.6	1461.4	1483.7	1506.0	1528.7	1551.5	1570.1	1588.9	1606.2	1623.7
1485.2	15°	1507.7	1530.1	1561.9	1593.6	1613.4	1633.2	1638.0	1642.9	1640.5	1638.1
1536.5	17.5°	1569.6	1602.7	1644.8	1686.8	1702.7	1718.7	1703.5	1688.3	1659.7	1631.1
1567.7	20°	1608.2	1648.8	1696.8	1744.9	1752.3	1759.7	1727.9	1696.0	1646.3	1596.6
1568.8	22.5°	1610.6	1652.4	1698.3	1744.3	1739.9	1735.4	1694.0	1652.6	1595.7	1539.0
1537.1	25°	1574.1	1611.2	1648.8	1686.5	1671.4	1656.1	1615.4	1574.6	1523.5	1472.5
1474.8	27.5°	1503.7	1532.5	1559.2	1586.1	1569.1	1552.2	1519.5	1486.8	1444.9	1403.0
1398.2	30°	1418.9	1439.5	1460.0	1480.4	1466.6	1452.8	1425.7	1398.6	1363.8	1329.0
1321.2	32.5°	1337.7	1354.2	1373.0	1391.8	1376.4	1361.2	1335.1	1309.1	1281.3	1253.5
1253.3	35°	1268.5	1283.7	1297.0	1310.4	1292.0	1273.7	1247.9	1222.1	1201.0	1179.8
1195.6	37.5°	1209.6	1223.6	1229.8	1235.9	1213.2	1190.5	1164.8	1139.1	1123.9	1108.7
1142.6	40°	1154.5	1166.3	1164.9	1163.4	1137.2	1111.1	1086.3	1061.5	1050.5	1039.5
1088.9	42.5°	1098.9	1108.9	1101.4	1093.8	1065.6	1037.4	1013.8	990.3	981.3	972.4
1036.1	45°	1045.1	1054.1	1043.3	1032.5	1003.2	973.9	951.6	929.3	921.7	914.2
994.3	47.5°	1000.6	1006.9	994.4	981.9	953.0	924.2	902.4	880.5	873.5	866.4
969.3	50°	969.6	970.0	954.0	937.9	912.1	886.2	865.7	845.1	834.0	822.9
952.5	52.5°	949.1	945.7	926.7	907.7	883.6	859.5	840.7	821.8	805.2	788.6
936.8	55°	932.0	927.3	907.2	887.1	866.0	844.9	824.5	804.2	780.7	757.1
920.1	57.5°	915.3	910.5	890.3	870.0	849.1	828.2	804.3	780.4	755.1	729.7
896.9	60°	891.7	886.4	866.1	845.7	824.5	803.3	775.8	748.4	726.2	703.9
860.0	62.5°	854.9	849.9	831.2	812.6	789.9	767.3	735.3	703.3	689.2	675.1
810.1	65°	805.0	799.8	783.4	767.0	745.3	723.6	689.3	655.0	649.7	644.2
753.2	67.5°	748.2	743.1	729.0	714.8	694.3	673.8	642.0	610.4	612.1	613.8
692.3	70°	687.5	682.6	669.8	657.0	639.3	621.6	593.7	565.9	571.8	577.7
625.4	72.5°	619.6	613.8	601.3	588.8	572.7	556.7	534.9	512.9	521.5	530.2
545.6	75°	539.5	533.5	522.1	510.6	496.1	481.6	465.4	449.1	457.4	465.7
468.1	77.5°	462.5	456.8	444.9	432.9	420.4	407.9	394.7	381.5	389.9	398.3
380.7	80°	373.2	365.7	356.7	347.5	337.0	326.5	315.6	304.6	311.6	318.7
284.2	82.5°	271.5	258.7	239.3	219.9	223.6	227.2	228.2	229.1	234.1	239.0
180.5	85°	164.7	149.0	130.7	112.6	122.7	132.9	137.7	142.4	148.0	153.6
78.2	87.5°	71.9	65.5	57.8	50.2	58.0	65.8	66.0	66.2	67.2	68.3
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°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1680.0	2.5°	1692.6	1708.2	1722.2	1736.6	1751.0	1766.1	1781.2	1796.2	1811.2	1825.3
1653.9	5°	1677.7	1704.9	1732.5	1761.7	1790.9	1822.1	1853.4	1884.5	1915.6	1946.8
1640.6	7.5°	1672.3	1707.5	1745.1	1785.9	1826.6	1872.9	1919.2	1966.7	2014.2	2065.6
1641.6	10°	1674.9	1712.8	1759.2	1807.5	1855.7	1911.9	1968.1	2030.8	2093.7	2158.7
1650.9	12.5°	1678.2	1713.4	1762.2	1816.7	1871.3	1937.6	2003.9	2075.0	2146.2	2217.6
1651.1	15°	1664.2	1692.4	1746.4	1809.6	1872.7	1949.1	2025.4	2102.6	2179.8	2254.3
1626.3	17.5°	1621.5	1638.9	1702.5	1778.4	1854.3	1943.0	2031.6	2115.8	2200.0	2275.5
1574.3	20°	1552.0	1556.6	1630.5	1724.6	1818.8	1926.1	2033.5	2126.1	2218.6	2297.2
1506.0	22.5°	1473.0	1464.0	1548.2	1661.6	1774.9	1905.5	2036.2	2140.0	2243.8	2324.0
1434.5	25°	1396.4	1372.1	1458.4	1591.1	1723.9	1885.2	2046.5	2165.2	2283.8	2362.4
1366.2	27.5°	1329.5	1299.9	1378.5	1526.8	1675.0	1871.6	2068.2	2204.6	2340.9	2415.9
1299.7	30°	1270.6	1247.4	1313.4	1472.9	1632.5	1865.2	2097.9	2255.6	2413.3	2485.7
1236.3	32.5°	1219.0	1208.7	1261.8	1426.5	1591.1	1857.4	2123.5	2308.8	2494.2	2565.8
1175.0	35°	1170.3	1174.6	1218.9	1380.9	1543.0	1842.5	2142.2	2369.5	2596.7	2665.4
1114.0	37.5°	1119.2	1134.8	1173.6	1327.2	1480.9	1817.1	2153.4	2437.4	2721.4	2809.0
1051.4	40°	1063.3	1087.3	1122.4	1263.2	1404.0	1782.1	2160.4	2523.6	2886.8	3014.4
988.1	42.5°	1003.9	1034.1	1066.5	1192.5	1318.5	1746.0	2173.7	2636.5	3099.2	3283.4
929.5	45°	944.8	974.0	1006.9	1117.4	1227.9	1712.5	2197.2	2784.9	3372.7	3621.1
879.3	47.5°	892.1	917.3	959.6	1058.0	1156.4	1684.8	2213.2	2943.1	3673.0	4022.7
834.3	50°	845.7	874.9	930.6	1018.5	1106.5	1654.6	2202.7	3089.9	3977.0	4504.2
799.8	52.5°	811.1	852.0	915.9	992.5	1069.2	1603.6	2138.1	3185.2	4232.2	5010.0
774.9	55°	792.7	854.3	913.8	973.7	1033.6	1519.1	2004.5	3164.2	4323.8	5458.4
755.7	57.5°	781.7	856.5	909.1	951.4	993.7	1399.9	1806.0	3016.4	4226.8	5776.2
737.7	60°	771.4	849.3	884.0	917.3	950.5	1245.1	1539.7	2741.3	3942.9	5855.6
717.1	62.5°	759.3	831.6	835.9	857.9	880.0	1059.9	1239.7	2369.3	3498.9	5521.2
689.0	65°	733.8	788.9	788.4	798.9	809.3	893.2	977.2	1989.8	3002.5	5048.1
651.1	67.5°	688.4	719.4	720.8	715.0	709.2	733.1	756.9	1618.1	2479.2	4485.0
604.2	70°	630.8	640.9	640.9	614.0	586.9	580.2	573.3	1274.0	1974.7	3870.5
548.4	72.5°	566.6	566.4	560.0	521.7	483.4	462.8	442.3	974.0	1505.7	3204.5
479.7	75°	493.7	496.2	466.5	423.6	380.7	362.0	343.4	706.9	1070.4	2440.9
409.5	77.5°	420.7	422.0	373.1	331.5	289.8	277.0	264.4	479.0	693.6	1708.4
328.1	80°	337.5	337.7	279.3	244.0	208.7	203.5	198.2	308.6	419.1	1100.7
243.6	82.5°	248.2	245.5	195.6	169.6	143.6	142.6	141.6	189.8	238.1	637.1
158.5	85°	163.4	159.8	122.7	103.7	84.7	85.2	85.7	101.5	117.4	286.6
70.2	87.5°	72.2	67.6	52.2	44.4	36.6	37.1	37.5	42.1	46.6	93.9
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°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1839.4	2.5°	1846.4	1853.4	1863.3	1873.2	1879.2	1885.1	1888.0	1891.0	1889.7	1891.0
1977.9	5°	2002.3	2026.7	2050.9	2075.1	2088.2	2101.3	2109.3	2117.3	2123.3	2117.3
2117.1	7.5°	2156.7	2196.3	2231.9	2267.6	2289.0	2310.5	2322.1	2333.7	2339.3	2333.7
2223.7	10°	2270.6	2317.5	2359.3	2401.1	2426.4	2451.6	2462.9	2474.1	2478.4	2474.1
2289.0	12.5°	2339.9	2390.6	2428.4	2466.1	2484.4	2502.8	2509.0	2515.2	2515.8	2515.2
2328.8	15°	2372.6	2416.4	2440.1	2463.8	2464.5	2465.2	2458.6	2452.0	2444.3	2452.0
2351.1	17.5°	2380.7	2410.3	2410.7	2411.1	2384.5	2358.0	2333.6	2309.2	2292.0	2309.2
2375.7	20°	2386.0	2396.4	2365.2	2334.0	2275.3	2216.7	2173.9	2131.2	2104.9	2131.2
2404.2	22.5°	2390.7	2377.2	2312.6	2248.0	2161.7	2075.4	2022.0	1968.5	1939.5	1968.5
2441.0	25°	2398.3	2355.7	2257.6	2159.5	2054.7	1949.9	1893.7	1837.7	1810.2	1837.7
2490.9	27.5°	2414.6	2338.3	2208.4	2078.6	1962.4	1846.2	1790.9	1735.7	1709.8	1735.7
2558.2	30°	2444.4	2330.7	2170.8	2011.0	1889.9	1768.9	1717.6	1666.4	1642.2	1666.4
2637.6	32.5°	2481.8	2326.1	2145.2	1964.3	1850.6	1736.9	1696.6	1656.3	1638.9	1656.3
2734.1	35°	2543.5	2352.9	2164.4	1976.0	1896.9	1818.0	1808.6	1799.2	1797.8	1799.2
2896.5	37.5°	2672.3	2448.1	2276.8	2105.5	2100.3	2095.2	2138.2	2181.1	2203.4	2181.1
3142.0	40°	2898.1	2654.3	2526.9	2399.5	2489.4	2579.4	2683.7	2788.1	2840.1	2788.1
3467.5	42.5°	3225.6	2983.7	2910.3	2836.9	3033.0	3229.2	3419.0	3608.8	3720.2	3608.8
3869.6	45°	3652.2	3434.9	3402.5	3370.1	3684.3	3998.5	4310.4	4622.4	4811.8	4622.4
4372.3	47.5°	4160.9	3949.4	3942.9	3936.3	4389.6	4842.7	5299.4	5755.9	6024.1	5755.9
5031.3	50°	4770.1	4509.0	4510.2	4511.3	5095.4	5679.6	6282.3	6885.1	7249.5	6885.1
5787.8	52.5°	5471.5	5155.4	5123.4	5091.4	5789.1	6486.9	7232.7	7978.4	8415.2	7978.4
6593.1	55°	6280.7	5968.3	5843.6	5719.0	6495.6	7272.1	8161.2	9050.2	9569.7	9050.2
7325.6	57.5°	7155.5	6985.3	6735.3	6485.3	7269.5	8053.6	9060.6	10067.6	10711.8	10067.6
7768.3	60°	8032.6	8296.9	7986.4	7676.0	8418.1	9160.1	10238.3	11316.4	12012.7	11316.4
7543.5	62.5°	8265.6	8987.6	8952.7	8917.6	9597.4	10277.3	11303.0	12328.7	12972.3	12328.7
7093.6	65°	7771.3	8449.0	8583.1	8717.1	9581.0	10445.0	11439.6	12434.2	12982.1	12434.2
6490.7	67.5°	7135.3	7779.8	7842.7	7905.5	8805.6	9705.7	10704.6	11703.5	12132.8	11703.5
5766.4	70°	6467.5	7168.6	7196.7	7224.9	8029.8	8834.7	9694.3	10553.9	10792.5	10553.9
4903.3	72.5°	5707.8	6512.4	6532.6	6552.8	7182.5	7812.3	8456.1	9099.9	9124.0	9099.9
3811.5	75°	4644.1	5476.8	5551.5	5626.3	6116.3	6606.2	7059.5	7512.7	7391.3	7512.7
2723.2	77.5°	3500.5	4277.8	4384.8	4491.8	4864.3	5236.8	5558.2	5879.7	5670.9	5879.7
1782.3	80°	2436.3	3090.1	3223.1	3356.1	3637.4	3918.6	4087.4	4256.2	3920.4	4256.2
1036.1	82.5°	1483.1	1930.2	2078.8	2227.4	2421.0	2614.6	2685.0	2755.4	2491.5	2755.4
455.8	85°	693.1	930.4	1056.7	1183.1	1342.2	1501.2	1541.2	1581.2	1369.8	1581.2
141.1	87.5°	220.9	300.6	371.1	441.6	521.1	600.7	604.1	607.5	510.0	607.5
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):**

325°		330°	335°	340°	345°	350°	355°	360°
1710.5	0°	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5	1710.5
1888.0	2.5°	1885.1	1879.2	1873.2	1863.3	1853.4	1846.4	1839.4
2109.3	5°	2101.3	2088.2	2075.1	2050.9	2026.7	2002.3	1977.9
2322.1	7.5°	2310.5	2289.0	2267.6	2231.9	2196.3	2156.7	2117.1
2462.9	10°	2451.6	2426.4	2401.1	2359.3	2317.5	2270.6	2223.7
2509.0	12.5°	2502.8	2484.4	2466.1	2428.4	2390.6	2339.9	2289.0
2458.6	15°	2465.2	2464.5	2463.8	2440.1	2416.4	2372.6	2328.8
2333.6	17.5°	2358.0	2384.5	2411.1	2410.7	2410.3	2380.7	2351.1
2173.9	20°	2216.7	2275.3	2334.0	2365.2	2396.4	2386.0	2375.7
2022.0	22.5°	2075.4	2161.7	2248.0	2312.6	2377.2	2390.7	2404.2
1893.7	25°	1949.9	2054.7	2159.5	2257.6	2355.7	2398.3	2441.0
1790.9	27.5°	1846.2	1962.4	2078.6	2208.4	2338.3	2414.6	2490.9
1717.6	30°	1768.9	1889.9	2011.0	2170.8	2330.7	2444.4	2558.2
1696.6	32.5°	1736.9	1850.6	1964.3	2145.2	2326.1	2481.8	2637.6
1808.6	35°	1818.0	1896.9	1976.0	2164.4	2352.9	2543.5	2734.1
2138.2	37.5°	2095.2	2100.3	2105.5	2276.8	2448.1	2672.3	2896.5
2683.7	40°	2579.4	2489.4	2399.5	2526.9	2654.3	2898.1	3142.0
3419.0	42.5°	3229.2	3033.0	2836.9	2910.3	2983.7	3225.6	3467.5
4310.4	45°	3998.5	3684.3	3370.1	3402.5	3434.9	3652.2	3869.6
5299.4	47.5°	4842.7	4389.6	3936.3	3942.9	3949.4	4160.9	4372.3
6282.3	50°	5679.6	5095.4	4511.3	4510.2	4509.0	4770.1	5031.3
7232.7	52.5°	6486.9	5789.1	5091.4	5123.4	5155.4	5471.5	5787.8
8161.2	55°	7272.1	6495.6	5719.0	5843.6	5968.3	6280.7	6593.1
9060.6	57.5°	8053.6	7269.5	6485.3	6735.3	6985.3	7155.5	7325.6
10238.3	60°	9160.1	8418.1	7676.0	7986.4	8296.9	8032.6	7768.3
11303.0	62.5°	10277.3	9597.4	8917.6	8952.7	8987.6	8265.6	7543.5
11439.6	65°	10445.0	9581.0	8717.1	8583.1	8449.0	7771.3	7093.6
10704.6	67.5°	9705.7	8805.6	7905.5	7842.7	7779.8	7135.3	6490.7
9694.3	70°	8834.7	8029.8	7224.9	7196.7	7168.6	6467.5	5766.4
8456.1	72.5°	7812.3	7182.5	6552.8	6532.6	6512.4	5707.8	4903.3
7059.5	75°	6606.2	6116.3	5626.3	5551.5	5476.8	4644.1	3811.5
5558.2	77.5°	5236.8	4864.3	4491.8	4384.8	4277.8	3500.5	2723.2
4087.4	80°	3918.6	3637.4	3356.1	3223.1	3090.1	2436.3	1782.3
2685.0	82.5°	2614.6	2421.0	2227.4	2078.8	1930.2	1483.1	1036.1
1541.2	85°	1501.2	1342.2	1183.1	1056.7	930.4	693.1	455.8
604.1	87.5°	600.7	521.1	441.6	371.1	300.6	220.9	141.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)