

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: P949441

Luminaire Tested: **GALN-SB4A-940-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949441  
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-940-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

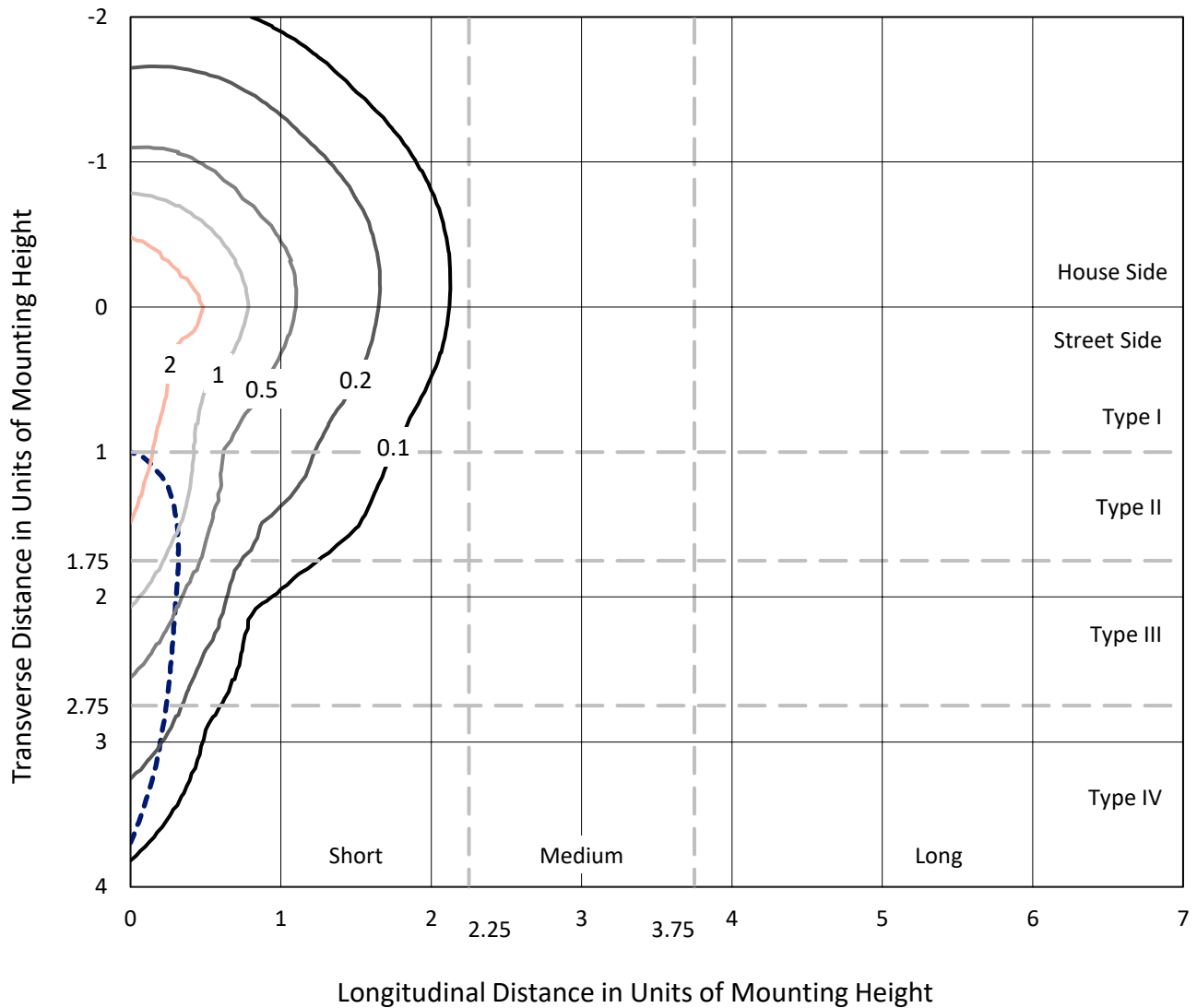
Lumens per Lamp: N/A  
Luminaire Lumens: 12981 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

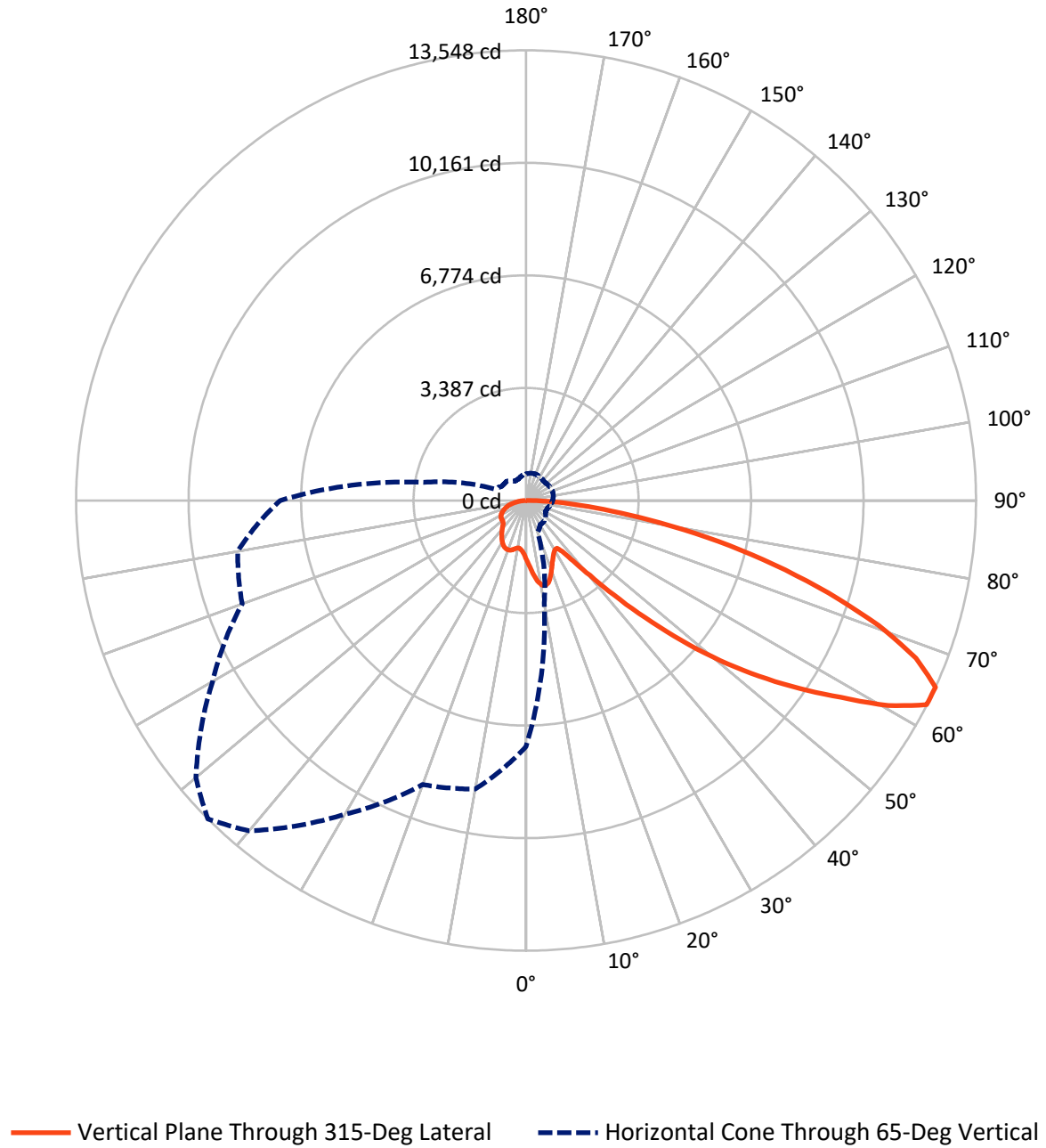
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 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	3299.1	0.0	3299.1
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	9681.9	0.0	9681.9
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	12981.0	0.0	12981.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.1	1.4
10°-20°	555.9	4.3
20°-30°	858.6	6.6
30°-40°	1088.1	8.4
40°-50°	1641.1	12.6
50°-60°	2651.4	20.4
60°-70°	3305.4	25.5
70°-80°	2167.5	16.7
80°-90°	535.9	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°	12981.0	100.0
0°-180°	12981.0	100.0

**Coefficient of Utilization**



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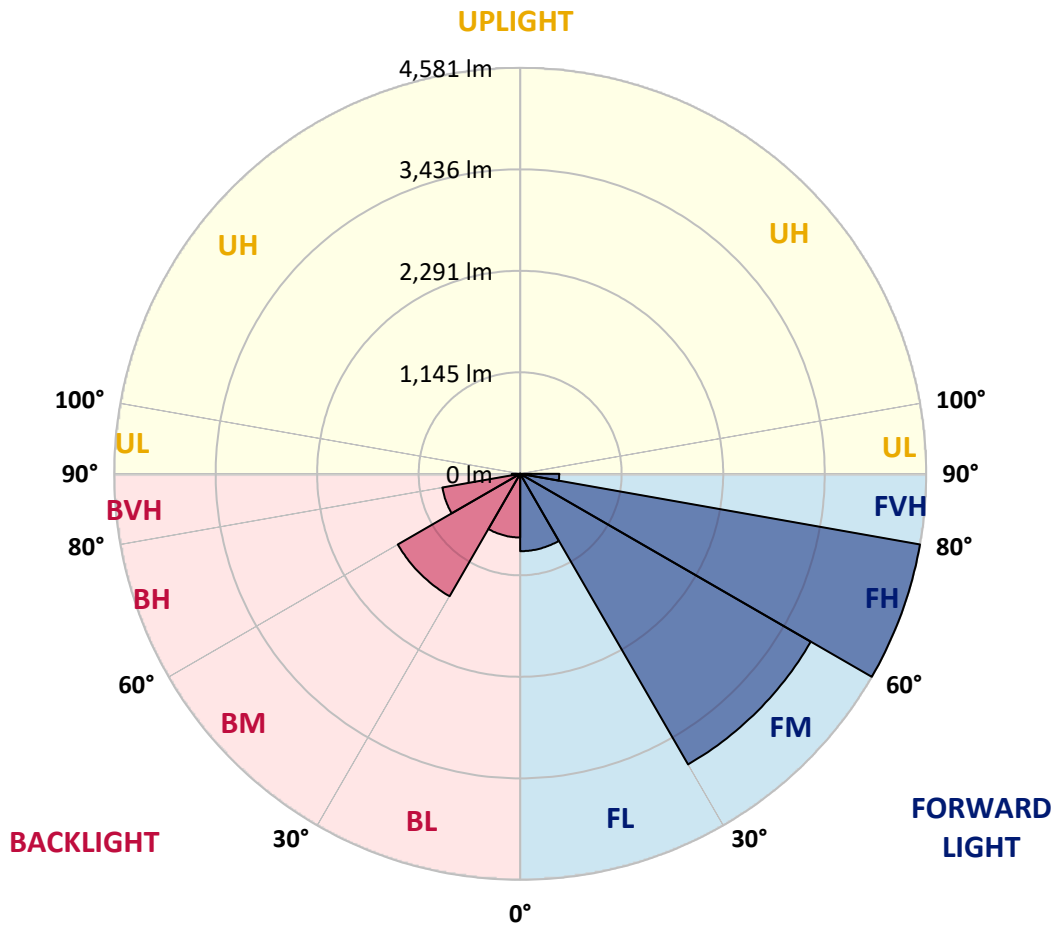
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	873.1	6.7			
FM (30°-60°)	3786.3	29.2			
FH (60°-80°)	4581.1	35.3			G2/5000
FVH (80°-90°)	441.4	3.4			G3/500
BL (0°-30°)	718.4	5.5	B2/1000		
BM (30°-60°)	1594.3	12.3	B2/2500		
BH (60°-80°)	891.9	6.9	B2/1000		G2/1000
BVH (80°-90°)	94.4	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°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
2.5°	1919.6	1904.9	1890.1	1874.5	1858.8	1843.1	1827.3	1812.3	1797.2	1782.6
5°	2064.1	2031.6	1999.0	1966.6	1934.2	1901.5	1868.9	1838.4	1807.9	1779.2
7.5°	2209.3	2155.6	2102.0	2052.4	2002.8	1954.5	1906.2	1863.7	1821.2	1781.9
10°	2320.6	2252.8	2184.9	2119.3	2053.8	1995.2	1936.5	1886.2	1835.8	1787.4
12.5°	2388.8	2314.2	2239.7	2165.4	2091.2	2022.0	1952.8	1895.9	1839.0	1788.1
15°	2430.2	2352.5	2274.7	2194.2	2113.6	2034.0	1954.3	1888.4	1822.5	1766.2
17.5°	2453.5	2374.7	2295.8	2208.0	2120.1	2027.6	1935.1	1855.9	1776.6	1710.3
20°	2479.2	2397.3	2315.3	2218.7	2122.1	2010.1	1898.0	1799.8	1701.6	1624.4
22.5°	2509.0	2425.3	2341.5	2233.2	2124.9	1988.6	1852.3	1734.0	1615.7	1527.8
25°	2547.4	2465.3	2383.3	2259.5	2135.7	1967.3	1799.0	1660.5	1522.0	1431.9
27.5°	2599.4	2521.2	2442.9	2300.6	2158.3	1953.2	1748.0	1593.3	1438.5	1356.6
30°	2669.6	2594.0	2518.5	2353.9	2189.3	1946.5	1703.6	1537.1	1370.6	1301.8
32.5°	2752.5	2677.6	2602.8	2409.4	2216.0	1938.3	1660.5	1488.7	1316.8	1261.3
35°	2853.2	2781.5	2709.8	2472.7	2235.6	1922.8	1610.2	1441.1	1272.0	1225.7
37.5°	3022.7	2931.3	2840.0	2543.6	2247.2	1896.3	1545.4	1385.1	1224.7	1184.3
40°	3278.9	3145.7	3012.6	2633.6	2254.5	1859.8	1465.1	1318.2	1171.3	1134.6
42.5°	3618.6	3426.4	3234.2	2751.3	2268.4	1822.1	1375.9	1244.4	1112.9	1079.2
45°	4038.2	3778.9	3519.7	2906.3	2292.9	1787.1	1281.4	1166.1	1050.7	1016.5
47.5°	4562.8	4198.0	3833.0	3071.3	2309.7	1758.2	1206.8	1104.1	1001.4	957.2
50°	5250.5	4700.5	4150.3	3224.5	2298.7	1726.7	1154.7	1062.9	971.1	913.0
52.5°	6040.0	5228.3	4416.6	3324.0	2231.2	1673.5	1115.8	1035.8	955.9	889.1
55°	6880.4	5696.2	4512.2	3302.0	2091.9	1585.3	1078.7	1016.1	953.6	891.5
57.5°	7644.8	6027.9	4411.0	3147.8	1884.7	1460.9	1037.0	992.8	948.7	893.9
60°	8106.8	6110.8	4114.7	2860.7	1606.8	1299.4	992.0	957.2	922.5	886.3
62.5°	7872.2	5761.8	3651.4	2472.6	1293.7	1106.1	918.4	895.3	872.3	867.8
65°	7402.7	5268.0	3133.3	2076.5	1019.8	932.2	844.6	833.7	822.8	823.3
67.5°	6773.5	4680.4	2587.2	1688.6	789.9	765.0	740.1	746.2	752.2	750.7
70°	6017.7	4039.2	2060.7	1329.5	598.3	605.4	612.5	640.7	668.9	668.9
72.5°	5117.0	3344.1	1571.3	1016.4	461.5	483.0	504.5	544.5	584.4	591.1
75°	3977.5	2547.3	1117.0	737.7	358.4	377.8	397.3	442.1	486.9	517.8
77.5°	2841.9	1782.9	723.9	499.9	275.9	289.1	302.4	345.9	389.4	440.4
80°	1860.0	1148.7	437.3	322.1	206.9	212.3	217.8	254.7	291.4	352.4
82.5°	1081.2	664.8	248.5	198.1	147.8	148.8	149.9	177.0	204.1	256.2
85°	475.7	299.1	122.5	105.9	89.4	88.9	88.4	108.2	128.1	166.8
87.5°	147.3	97.9	48.6	43.9	39.2	38.7	38.2	46.3	54.5	70.6
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1766.4	2.5°	1753.2	1740.1	1728.3	1716.5	1706.2	1695.8	1685.4	1675.1	1667.0	1659.0
1750.8	5°	1726.0	1701.1	1680.3	1659.5	1641.2	1622.8	1606.2	1589.4	1576.6	1563.8
1745.1	7.5°	1712.1	1679.2	1651.8	1624.4	1601.3	1578.1	1557.7	1537.4	1522.1	1506.9
1747.9	10°	1713.1	1678.3	1650.9	1623.5	1598.6	1573.7	1550.7	1527.8	1509.6	1491.3
1751.3	12.5°	1722.8	1694.4	1676.2	1658.1	1638.6	1619.1	1595.3	1571.6	1548.3	1525.1
1736.7	15°	1723.1	1709.5	1712.0	1714.4	1709.4	1704.3	1683.7	1663.1	1629.9	1596.8
1692.2	17.5°	1697.2	1702.1	1732.0	1761.8	1777.7	1793.6	1776.9	1760.3	1716.4	1672.5
1619.6	20°	1642.9	1666.2	1718.0	1769.9	1803.2	1836.4	1828.7	1821.0	1770.8	1720.6
1537.2	22.5°	1571.6	1606.1	1665.3	1724.6	1767.8	1811.0	1815.7	1820.3	1772.3	1724.4
1457.2	25°	1497.0	1536.7	1589.9	1643.2	1685.7	1728.3	1744.2	1760.0	1720.7	1681.4
1387.4	27.5°	1425.7	1464.1	1507.9	1551.6	1585.7	1619.8	1637.5	1655.2	1627.2	1599.2
1325.9	30°	1356.4	1386.9	1423.2	1459.5	1487.8	1516.2	1530.5	1544.9	1523.6	1502.2
1272.1	32.5°	1290.1	1308.1	1337.1	1366.1	1393.3	1420.5	1436.4	1452.5	1432.9	1413.2
1221.3	35°	1226.2	1231.2	1253.3	1275.4	1302.2	1329.2	1348.3	1367.5	1353.5	1339.6
1168.0	37.5°	1162.5	1157.0	1172.9	1188.7	1215.5	1242.4	1266.1	1289.8	1283.3	1276.9
1109.6	40°	1097.2	1084.8	1096.3	1107.7	1133.6	1159.5	1186.8	1214.1	1215.7	1217.2
1047.6	42.5°	1031.2	1014.8	1024.1	1033.5	1058.0	1082.6	1112.0	1141.5	1149.4	1157.2
986.0	45°	970.0	954.0	961.8	969.8	993.1	1016.3	1046.9	1077.4	1088.7	1100.0
931.0	47.5°	917.6	904.1	911.5	918.9	941.7	964.4	994.6	1024.7	1037.7	1050.7
882.6	50°	870.6	858.8	870.3	881.9	903.4	924.8	951.8	978.8	995.5	1012.2
846.5	52.5°	834.7	823.0	840.3	857.6	877.3	897.0	922.1	947.3	967.1	986.9
827.3	55°	808.7	790.1	814.7	839.2	860.4	881.7	903.7	925.7	946.7	967.7
815.8	57.5°	788.7	761.5	788.0	814.4	839.3	864.3	886.1	907.9	929.1	950.2
805.0	60°	769.8	734.6	757.8	781.0	809.6	838.3	860.4	882.6	903.8	925.0
792.4	62.5°	748.4	704.5	719.2	733.9	767.3	800.7	824.3	848.0	867.4	886.9
765.8	65°	719.1	672.3	678.0	683.6	719.3	755.2	777.8	800.4	817.5	834.6
718.4	67.5°	679.5	640.6	638.8	637.0	670.0	703.1	724.5	745.9	760.7	775.5
658.2	70°	630.6	602.9	596.7	590.6	619.6	648.7	667.1	685.6	699.0	712.4
591.3	72.5°	572.3	553.3	544.3	535.3	558.2	581.0	597.7	614.4	627.5	640.6
515.2	75°	500.6	486.0	477.3	468.6	485.6	502.6	517.8	532.9	544.8	556.7
439.1	77.5°	427.3	415.6	406.9	398.1	411.9	425.7	438.7	451.7	464.3	476.7
352.2	80°	342.4	332.5	325.2	317.8	329.3	340.8	351.7	362.7	372.2	381.7
259.1	82.5°	254.3	249.5	244.3	239.1	238.1	237.1	233.3	229.5	249.7	270.0
170.6	85°	165.4	160.3	154.5	148.6	143.7	138.7	128.1	117.5	136.4	155.5
75.3	87.5°	73.3	71.2	70.1	69.0	68.8	68.6	60.6	52.4	60.3	68.4
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1652.5	2.5°	1646.0	1640.9	1635.8	1631.2	1626.4	1620.6	1626.4	1631.2	1635.8	1640.9
1554.8	5°	1545.8	1539.4	1533.1	1528.2	1523.3	1518.6	1523.3	1528.2	1533.1	1539.4
1496.2	7.5°	1485.5	1478.2	1470.9	1466.6	1462.2	1459.0	1462.2	1466.6	1470.9	1478.2
1479.4	10°	1467.3	1460.4	1453.5	1449.8	1446.1	1444.6	1446.1	1449.8	1453.5	1460.4
1509.6	12.5°	1494.2	1486.5	1478.8	1475.7	1472.5	1472.0	1472.5	1475.7	1478.8	1486.5
1573.3	15°	1549.9	1539.2	1528.5	1524.4	1520.3	1519.9	1520.3	1524.4	1528.5	1539.2
1638.0	17.5°	1603.5	1587.6	1571.6	1566.4	1561.2	1560.3	1561.2	1566.4	1571.6	1587.6
1678.3	20°	1636.0	1615.7	1595.3	1588.8	1582.3	1580.2	1582.3	1588.8	1595.3	1615.7
1680.8	22.5°	1637.2	1615.7	1594.2	1587.0	1579.9	1576.8	1579.9	1587.0	1594.2	1615.7
1642.7	25°	1604.0	1585.4	1566.8	1560.1	1553.3	1549.4	1553.3	1560.1	1566.8	1585.4
1569.2	27.5°	1539.1	1526.6	1514.1	1511.0	1507.9	1506.9	1507.9	1511.0	1514.1	1526.6
1480.7	30°	1459.1	1452.7	1446.3	1446.3	1446.3	1447.3	1446.3	1446.3	1446.3	1452.7
1396.0	32.5°	1378.8	1374.6	1370.5	1371.0	1371.6	1372.7	1371.6	1371.0	1370.5	1374.6
1323.7	35°	1307.9	1301.6	1295.3	1293.9	1292.5	1291.8	1292.5	1293.9	1295.3	1301.6
1262.3	37.5°	1247.7	1236.1	1224.6	1218.5	1212.4	1209.0	1212.4	1218.5	1224.6	1236.1
1204.8	40°	1192.4	1175.5	1158.8	1147.4	1136.2	1129.5	1136.2	1147.4	1158.8	1175.5
1146.8	42.5°	1136.3	1115.5	1094.6	1078.1	1061.5	1050.7	1061.5	1078.1	1094.6	1115.5
1090.6	45°	1081.2	1057.3	1033.5	1014.1	994.7	982.2	994.7	1014.1	1033.5	1057.3
1044.1	47.5°	1037.6	1016.3	995.1	977.2	959.3	947.3	959.3	977.2	995.1	1016.3
1011.8	50°	1011.5	994.6	977.6	961.0	944.4	932.9	944.4	961.0	977.6	994.6
990.4	52.5°	994.0	980.2	966.3	951.5	936.7	926.1	936.7	951.5	966.3	980.2
972.6	55°	977.6	965.5	953.5	940.4	927.4	917.8	927.4	940.4	953.5	965.5
955.2	57.5°	960.2	948.0	935.8	922.9	910.0	900.0	910.0	922.9	935.8	948.0
930.5	60°	936.0	924.1	912.2	898.9	885.7	875.4	885.7	898.9	912.2	924.1
892.2	62.5°	897.4	886.7	875.9	862.0	848.0	835.6	848.0	862.0	875.9	886.7
840.0	65°	845.4	835.0	824.7	811.1	797.6	787.0	797.6	811.1	824.7	835.0
780.8	67.5°	786.0	776.5	767.0	754.4	741.8	732.2	741.8	754.4	767.0	776.5
717.4	70°	722.5	714.8	707.0	695.0	682.9	671.9	682.9	695.0	707.0	714.8
646.6	72.5°	652.6	646.2	639.8	628.2	616.8	606.2	616.8	628.2	639.8	646.2
563.0	75°	569.3	566.2	563.0	553.4	543.7	533.6	543.7	553.4	563.0	566.2
482.6	77.5°	488.5	484.1	479.6	469.9	460.2	452.1	460.2	469.9	479.6	484.1
389.5	80°	397.3	395.4	393.5	380.4	367.3	352.1	367.3	380.4	393.5	395.4
283.3	82.5°	296.6	295.8	294.9	283.8	272.8	263.0	272.8	283.8	294.9	295.8
171.9	85°	188.4	187.0	185.6	177.0	168.4	159.6	168.4	177.0	185.6	187.0
75.0	87.5°	81.6	80.0	78.2	73.8	69.3	65.1	69.3	73.8	78.2	80.0
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1646.0	2.5°	1652.5	1659.0	1667.0	1675.1	1685.4	1695.8	1706.2	1716.5	1728.3	1740.1
1545.8	5°	1554.8	1563.8	1576.6	1589.4	1606.2	1622.8	1641.2	1659.5	1680.3	1701.1
1485.5	7.5°	1496.2	1506.9	1522.1	1537.4	1557.7	1578.1	1601.3	1624.4	1651.8	1679.2
1467.3	10°	1479.4	1491.3	1509.6	1527.8	1550.7	1573.7	1598.6	1623.5	1650.9	1678.3
1494.2	12.5°	1509.6	1525.1	1548.3	1571.6	1595.3	1619.1	1638.6	1658.1	1676.2	1694.4
1549.9	15°	1573.3	1596.8	1629.9	1663.1	1683.7	1704.3	1709.4	1714.4	1712.0	1709.5
1603.5	17.5°	1638.0	1672.5	1716.4	1760.3	1776.9	1793.6	1777.7	1761.8	1732.0	1702.1
1636.0	20°	1678.3	1720.6	1770.8	1821.0	1828.7	1836.4	1803.2	1769.9	1718.0	1666.2
1637.2	22.5°	1680.8	1724.4	1772.3	1820.3	1815.7	1811.0	1767.8	1724.6	1665.3	1606.1
1604.0	25°	1642.7	1681.4	1720.7	1760.0	1744.2	1728.3	1685.7	1643.2	1589.9	1536.7
1539.1	27.5°	1569.2	1599.2	1627.2	1655.2	1637.5	1619.8	1585.7	1551.6	1507.9	1464.1
1459.1	30°	1480.7	1502.2	1523.6	1544.9	1530.5	1516.2	1487.8	1459.5	1423.2	1386.9
1378.8	32.5°	1396.0	1413.2	1432.9	1452.5	1436.4	1420.5	1393.3	1366.1	1337.1	1308.1
1307.9	35°	1323.7	1339.6	1353.5	1367.5	1348.3	1329.2	1302.2	1275.4	1253.3	1231.2
1247.7	37.5°	1262.3	1276.9	1283.3	1289.8	1266.1	1242.4	1215.5	1188.7	1172.9	1157.0
1192.4	40°	1204.8	1217.2	1215.7	1214.1	1186.8	1159.5	1133.6	1107.7	1096.3	1084.8
1136.3	42.5°	1146.8	1157.2	1149.4	1141.5	1112.0	1082.6	1058.0	1033.5	1024.1	1014.8
1081.2	45°	1090.6	1100.0	1088.7	1077.4	1046.9	1016.3	993.1	969.8	961.8	954.0
1037.6	47.5°	1044.1	1050.7	1037.7	1024.7	994.6	964.4	941.7	918.9	911.5	904.1
1011.5	50°	1011.8	1012.2	995.5	978.8	951.8	924.8	903.4	881.9	870.3	858.8
994.0	52.5°	990.4	986.9	967.1	947.3	922.1	897.0	877.3	857.6	840.3	823.0
977.6	55°	972.6	967.7	946.7	925.7	903.7	881.7	860.4	839.2	814.7	790.1
960.2	57.5°	955.2	950.2	929.1	907.9	886.1	864.3	839.3	814.4	788.0	761.5
936.0	60°	930.5	925.0	903.8	882.6	860.4	838.3	809.6	781.0	757.8	734.6
897.4	62.5°	892.2	886.9	867.4	848.0	824.3	800.7	767.3	733.9	719.2	704.5
845.4	65°	840.0	834.6	817.5	800.4	777.8	755.2	719.3	683.6	678.0	672.3
786.0	67.5°	780.8	775.5	760.7	745.9	724.5	703.1	670.0	637.0	638.8	640.6
722.5	70°	717.4	712.4	699.0	685.6	667.1	648.7	619.6	590.6	596.7	602.9
652.6	72.5°	646.6	640.6	627.5	614.4	597.7	581.0	558.2	535.3	544.3	553.3
569.3	75°	563.0	556.7	544.8	532.9	517.8	502.6	485.6	468.6	477.3	486.0
488.5	77.5°	482.6	476.7	464.3	451.7	438.7	425.7	411.9	398.1	406.9	415.6
397.3	80°	389.5	381.7	372.2	362.7	351.7	340.8	329.3	317.8	325.2	332.5
296.6	82.5°	283.3	270.0	249.7	229.5	233.3	237.1	238.1	239.1	244.3	249.5
188.4	85°	171.9	155.5	136.4	117.5	128.1	138.7	143.7	148.6	154.5	160.3
81.6	87.5°	75.0	68.4	60.3	52.4	60.6	68.6	68.8	69.0	70.1	71.2
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1753.2	2.5°	1766.4	1782.6	1797.2	1812.3	1827.3	1843.1	1858.8	1874.5	1890.1	1904.9
1726.0	5°	1750.8	1779.2	1807.9	1838.4	1868.9	1901.5	1934.2	1966.6	1999.0	2031.6
1712.1	7.5°	1745.1	1781.9	1821.2	1863.7	1906.2	1954.5	2002.8	2052.4	2102.0	2155.6
1713.1	10°	1747.9	1787.4	1835.8	1886.2	1936.5	1995.2	2053.8	2119.3	2184.9	2252.8
1722.8	12.5°	1751.3	1788.1	1839.0	1895.9	1952.8	2022.0	2091.2	2165.4	2239.7	2314.2
1723.1	15°	1736.7	1766.2	1822.5	1888.4	1954.3	2034.0	2113.6	2194.2	2274.7	2352.5
1697.2	17.5°	1692.2	1710.3	1776.6	1855.9	1935.1	2027.6	2120.1	2208.0	2295.8	2374.7
1642.9	20°	1619.6	1624.4	1701.6	1799.8	1898.0	2010.1	2122.1	2218.7	2315.3	2397.3
1571.6	22.5°	1537.2	1527.8	1615.7	1734.0	1852.3	1988.6	2124.9	2233.2	2341.5	2425.3
1497.0	25°	1457.2	1431.9	1522.0	1660.5	1799.0	1967.3	2135.7	2259.5	2383.3	2465.3
1425.7	27.5°	1387.4	1356.6	1438.5	1593.3	1748.0	1953.2	2158.3	2300.6	2442.9	2521.2
1356.4	30°	1325.9	1301.8	1370.6	1537.1	1703.6	1946.5	2189.3	2353.9	2518.5	2594.0
1290.1	32.5°	1272.1	1261.3	1316.8	1488.7	1660.5	1938.3	2216.0	2409.4	2602.8	2677.6
1226.2	35°	1221.3	1225.7	1272.0	1441.1	1610.2	1922.8	2235.6	2472.7	2709.8	2781.5
1162.5	37.5°	1168.0	1184.3	1224.7	1385.1	1545.4	1896.3	2247.2	2543.6	2840.0	2931.3
1097.2	40°	1109.6	1134.6	1171.3	1318.2	1465.1	1859.8	2254.5	2633.6	3012.6	3145.7
1031.2	42.5°	1047.6	1079.2	1112.9	1244.4	1375.9	1822.1	2268.4	2751.3	3234.2	3426.4
970.0	45°	986.0	1016.5	1050.7	1166.1	1281.4	1787.1	2292.9	2906.3	3519.7	3778.9
917.6	47.5°	931.0	957.2	1001.4	1104.1	1206.8	1758.2	2309.7	3071.3	3833.0	4198.0
870.6	50°	882.6	913.0	971.1	1062.9	1154.7	1726.7	2298.7	3224.5	4150.3	4700.5
834.7	52.5°	846.5	889.1	955.9	1035.8	1115.8	1673.5	2231.2	3324.0	4416.6	5228.3
808.7	55°	827.3	891.5	953.6	1016.1	1078.7	1585.3	2091.9	3302.0	4512.2	5696.2
788.7	57.5°	815.8	893.9	948.7	992.8	1037.0	1460.9	1884.7	3147.8	4411.0	6027.9
769.8	60°	805.0	886.3	922.5	957.2	992.0	1299.4	1606.8	2860.7	4114.7	6110.8
748.4	62.5°	792.4	867.8	872.3	895.3	918.4	1106.1	1293.7	2472.6	3651.4	5761.8
719.1	65°	765.8	823.3	822.8	833.7	844.6	932.2	1019.8	2076.5	3133.3	5268.0
679.5	67.5°	718.4	750.7	752.2	746.2	740.1	765.0	789.9	1688.6	2587.2	4680.4
630.6	70°	658.2	668.9	668.9	640.7	612.5	605.4	598.3	1329.5	2060.7	4039.2
572.3	72.5°	591.3	591.1	584.4	544.5	504.5	483.0	461.5	1016.4	1571.3	3344.1
500.6	75°	515.2	517.8	486.9	442.1	397.3	377.8	358.4	737.7	1117.0	2547.3
427.3	77.5°	439.1	440.4	389.4	345.9	302.4	289.1	275.9	499.9	723.9	1782.9
342.4	80°	352.2	352.4	291.4	254.7	217.8	212.3	206.9	322.1	437.3	1148.7
254.3	82.5°	259.1	256.2	204.1	177.0	149.9	148.8	147.8	198.1	248.5	664.8
165.4	85°	170.6	166.8	128.1	108.2	88.4	88.9	89.4	105.9	122.5	299.1
73.3	87.5°	75.3	70.6	54.5	46.3	38.2	38.7	39.2	43.9	48.6	97.9
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°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1919.6	2.5°	1926.9	1934.2	1944.5	1954.9	1961.0	1967.2	1970.3	1973.4	1972.0	1973.4
2064.1	5°	2089.5	2115.0	2140.2	2165.5	2179.2	2192.9	2201.2	2209.5	2215.8	2209.5
2209.3	7.5°	2250.7	2292.0	2329.2	2366.4	2388.8	2411.2	2423.3	2435.4	2441.2	2435.4
2320.6	10°	2369.5	2418.4	2462.1	2505.7	2532.2	2558.5	2570.2	2581.9	2586.4	2581.9
2388.8	12.5°	2441.8	2494.8	2534.2	2573.5	2592.7	2611.9	2618.3	2624.8	2625.4	2624.8
2430.2	15°	2476.0	2521.7	2546.4	2571.2	2571.9	2572.6	2565.7	2558.9	2550.8	2558.9
2453.5	17.5°	2484.4	2515.3	2515.8	2516.2	2488.5	2460.7	2435.3	2409.8	2391.9	2409.8
2479.2	20°	2490.0	2500.8	2468.2	2435.7	2374.5	2313.2	2268.6	2224.1	2196.7	2224.1
2509.0	22.5°	2494.9	2480.8	2413.4	2346.0	2255.9	2165.8	2110.1	2054.3	2024.0	2054.3
2547.4	25°	2502.8	2458.3	2356.0	2253.6	2144.3	2034.9	1976.2	1917.7	1889.1	1917.7
2599.4	27.5°	2519.8	2440.2	2304.6	2169.1	2047.9	1926.6	1869.0	1811.4	1784.3	1811.4
2669.6	30°	2550.9	2432.3	2265.4	2098.6	1972.3	1846.0	1792.5	1739.0	1713.8	1739.0
2752.5	32.5°	2590.0	2427.5	2238.7	2049.9	1931.2	1812.5	1770.5	1728.5	1710.3	1728.5
2853.2	35°	2654.3	2455.4	2258.7	2062.1	1979.6	1897.2	1887.4	1877.6	1876.1	1877.6
3022.7	37.5°	2788.7	2554.8	2376.0	2197.2	2191.9	2186.5	2231.3	2276.1	2299.4	2276.1
3278.9	40°	3024.4	2770.0	2637.0	2504.1	2597.9	2691.7	2800.7	2909.6	2963.8	2909.6
3618.6	42.5°	3366.2	3113.7	3037.1	2960.5	3165.2	3369.9	3567.9	3766.0	3882.3	3766.0
4038.2	45°	3811.4	3584.5	3550.8	3516.9	3844.8	4172.8	4498.3	4823.8	5021.4	4823.8
4562.8	47.5°	4342.2	4121.5	4114.7	4107.8	4580.9	5053.8	5530.3	6006.7	6286.5	6006.7
5250.5	50°	4978.0	4705.5	4706.7	4707.9	5317.5	5927.1	6556.1	7185.1	7565.4	7185.1
6040.0	52.5°	5709.9	5380.0	5346.6	5313.2	6041.4	6769.6	7547.8	8326.0	8781.8	8326.0
6880.4	55°	6554.4	6228.3	6098.2	5968.2	6778.6	7589.0	8516.8	9444.5	9986.7	9444.5
7644.8	57.5°	7467.3	7289.7	7028.8	6767.9	7586.2	8404.6	9455.4	10506.2	11178.5	10506.2
8106.8	60°	8382.6	8658.4	8334.4	8010.4	8784.9	9559.3	10684.4	11809.5	12536.1	11809.5
7872.2	62.5°	8625.7	9379.3	9342.8	9306.2	10015.6	10725.1	11795.5	12865.9	13537.5	12865.9
7402.7	65°	8109.9	8817.1	8957.1	9096.9	9998.5	10900.1	11938.1	12976.0	13547.8	12976.0
6773.5	67.5°	7446.2	8118.8	8184.4	8250.0	9189.3	10128.6	11171.0	12213.5	12661.4	12213.5
6017.7	70°	6749.3	7481.0	7510.3	7539.7	8379.7	9219.7	10116.8	11013.8	11262.8	11013.8
5117.0	72.5°	5956.5	6796.1	6817.2	6838.3	7495.5	8152.7	8824.6	9496.4	9521.6	9496.4
3977.5	75°	4846.5	5715.4	5793.4	5871.5	6382.8	6894.1	7367.1	7840.0	7713.3	7840.0
2841.9	77.5°	3653.0	4464.2	4575.9	4687.5	5076.2	5464.9	5800.4	6135.8	5918.0	6135.8
1860.0	80°	2542.4	3224.8	3363.6	3502.3	3795.9	4089.3	4265.5	4441.6	4091.3	4441.6
1081.2	82.5°	1547.7	2014.3	2169.3	2324.4	2526.5	2728.5	2802.0	2875.5	2600.1	2875.5
475.7	85°	723.3	970.9	1102.8	1234.6	1400.7	1566.6	1608.3	1650.1	1429.5	1650.1
147.3	87.5°	230.5	313.7	387.3	460.8	543.9	626.9	630.4	633.9	532.2	633.9
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):**

325°		330°	335°	340°	345°	350°	355°	360°
1785.0	0°	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0	1785.0
1970.3	2.5°	1967.2	1961.0	1954.9	1944.5	1934.2	1926.9	1919.6
2201.2	5°	2192.9	2179.2	2165.5	2140.2	2115.0	2089.5	2064.1
2423.3	7.5°	2411.2	2388.8	2366.4	2329.2	2292.0	2250.7	2209.3
2570.2	10°	2558.5	2532.2	2505.7	2462.1	2418.4	2369.5	2320.6
2618.3	12.5°	2611.9	2592.7	2573.5	2534.2	2494.8	2441.8	2388.8
2565.7	15°	2572.6	2571.9	2571.2	2546.4	2521.7	2476.0	2430.2
2435.3	17.5°	2460.7	2488.5	2516.2	2515.8	2515.3	2484.4	2453.5
2268.6	20°	2313.2	2374.5	2435.7	2468.2	2500.8	2490.0	2479.2
2110.1	22.5°	2165.8	2255.9	2346.0	2413.4	2480.8	2494.9	2509.0
1976.2	25°	2034.9	2144.3	2253.6	2356.0	2458.3	2502.8	2547.4
1869.0	27.5°	1926.6	2047.9	2169.1	2304.6	2440.2	2519.8	2599.4
1792.5	30°	1846.0	1972.3	2098.6	2265.4	2432.3	2550.9	2669.6
1770.5	32.5°	1812.5	1931.2	2049.9	2238.7	2427.5	2590.0	2752.5
1887.4	35°	1897.2	1979.6	2062.1	2258.7	2455.4	2654.3	2853.2
2231.3	37.5°	2186.5	2191.9	2197.2	2376.0	2554.8	2788.7	3022.7
2800.7	40°	2691.7	2597.9	2504.1	2637.0	2770.0	3024.4	3278.9
3567.9	42.5°	3369.9	3165.2	2960.5	3037.1	3113.7	3366.2	3618.6
4498.3	45°	4172.8	3844.8	3516.9	3550.8	3584.5	3811.4	4038.2
5530.3	47.5°	5053.8	4580.9	4107.8	4114.7	4121.5	4342.2	4562.8
6556.1	50°	5927.1	5317.5	4707.9	4706.7	4705.5	4978.0	5250.5
7547.8	52.5°	6769.6	6041.4	5313.2	5346.6	5380.0	5709.9	6040.0
8516.8	55°	7589.0	6778.6	5968.2	6098.2	6228.3	6554.4	6880.4
9455.4	57.5°	8404.6	7586.2	6767.9	7028.8	7289.7	7467.3	7644.8
10684.4	60°	9559.3	8784.9	8010.4	8334.4	8658.4	8382.6	8106.8
11795.5	62.5°	10725.1	10015.6	9306.2	9342.8	9379.3	8625.7	7872.2
11938.1	65°	10900.1	9998.5	9096.9	8957.1	8817.1	8109.9	7402.7
11171.0	67.5°	10128.6	9189.3	8250.0	8184.4	8118.8	7446.2	6773.5
10116.8	70°	9219.7	8379.7	7539.7	7510.3	7481.0	6749.3	6017.7
8824.6	72.5°	8152.7	7495.5	6838.3	6817.2	6796.1	5956.5	5117.0
7367.1	75°	6894.1	6382.8	5871.5	5793.4	5715.4	4846.5	3977.5
5800.4	77.5°	5464.9	5076.2	4687.5	4575.9	4464.2	3653.0	2841.9
4265.5	80°	4089.3	3795.9	3502.3	3363.6	3224.8	2542.4	1860.0
2802.0	82.5°	2728.5	2526.5	2324.4	2169.3	2014.3	1547.7	1081.2
1608.3	85°	1566.6	1400.7	1234.6	1102.8	970.9	723.3	475.7
630.4	87.5°	626.9	543.9	460.8	387.3	313.7	230.5	147.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)