

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: P947131

Luminaire Tested: **GALN-SB2C-827-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947131  
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-SB2C-827-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

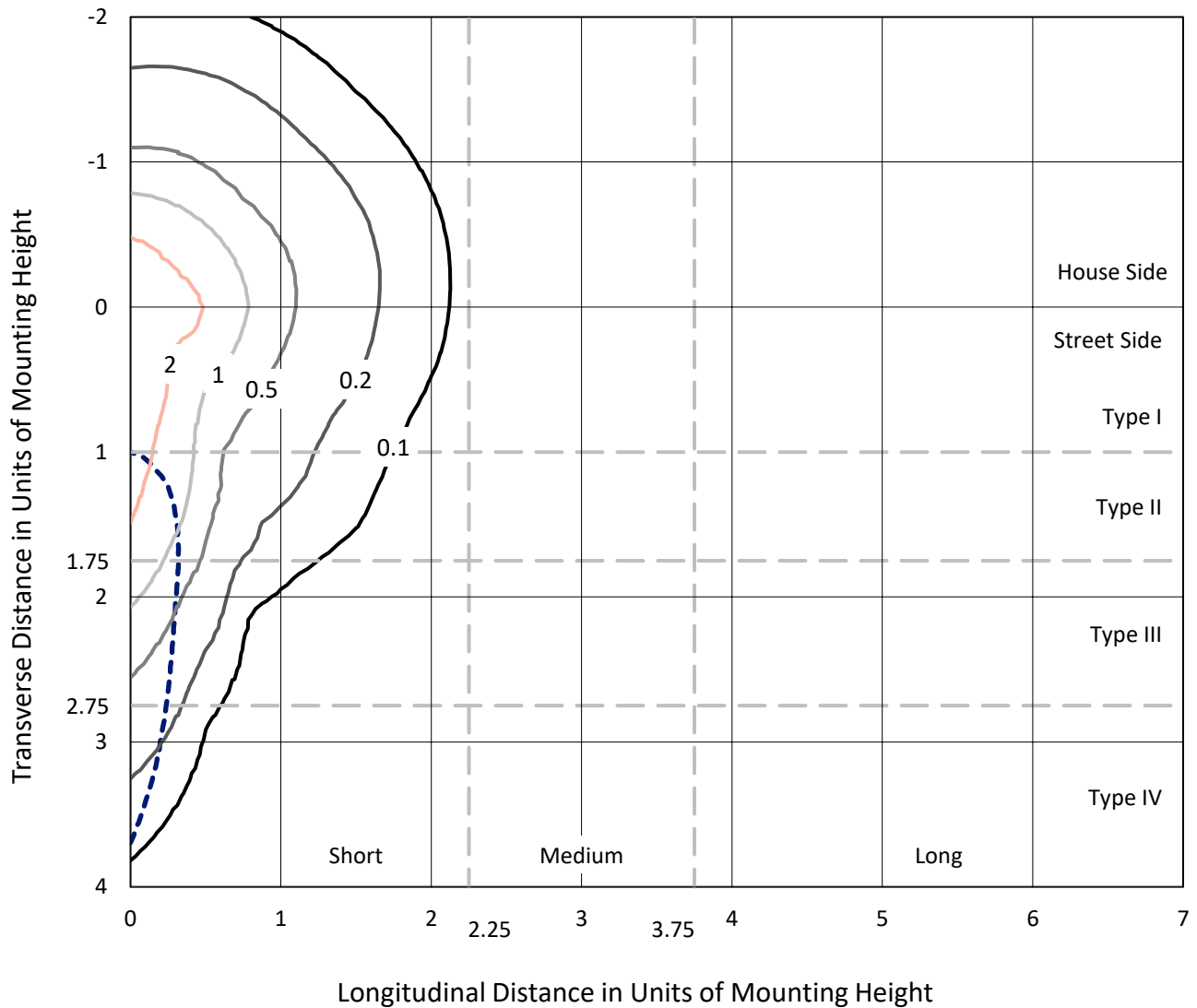
Lumens per Lamp: N/A  
Luminaire Lumens: 12977 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

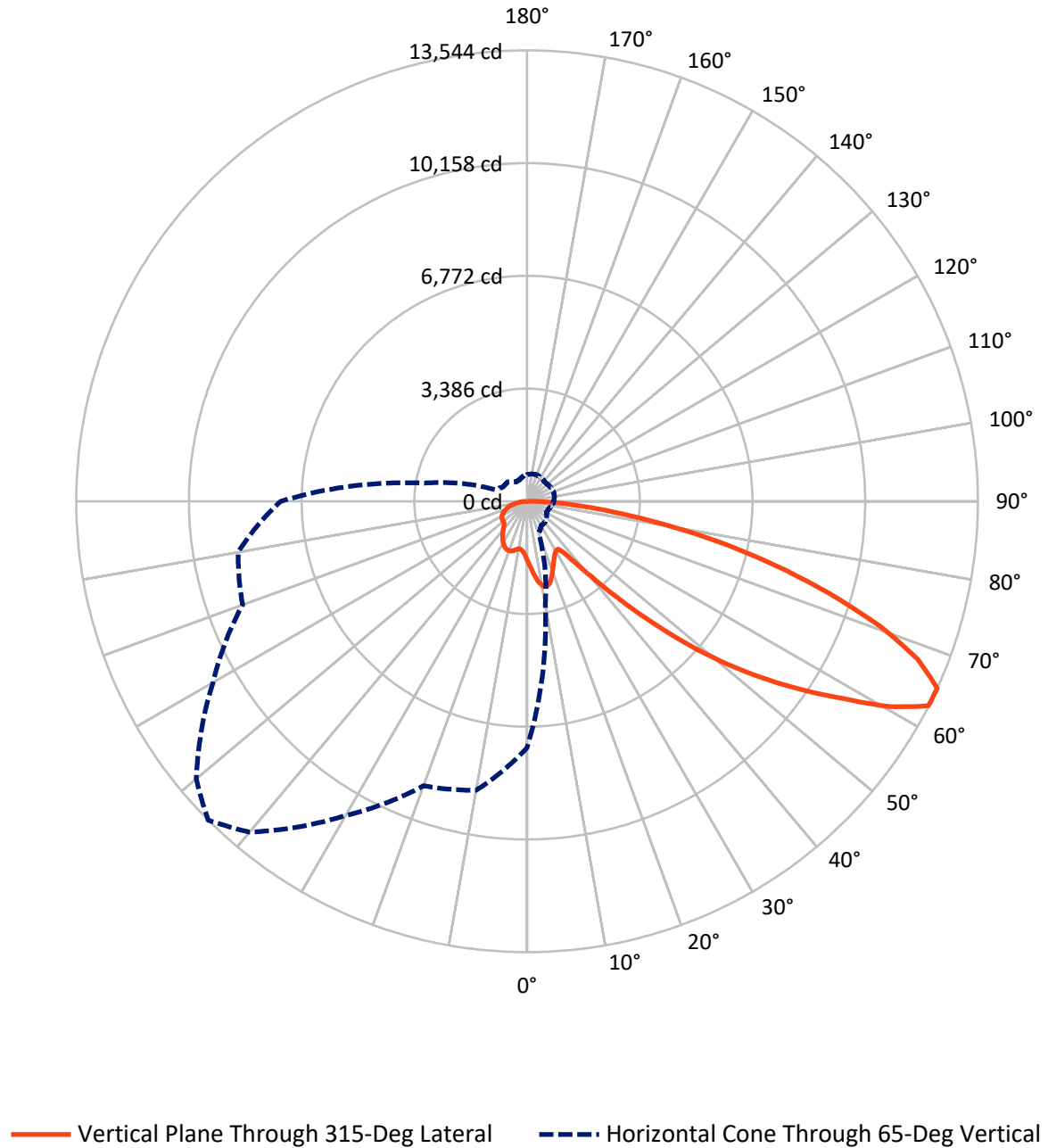
× Max cd  
 - - - 1/2 Max cd



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	3298.1	0.0	3298.1
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	9678.9	0.0	9678.9
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	12977.0	0.0	12977.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.0	1.4
10°-20°	555.7	4.3
20°-30°	858.3	6.6
30°-40°	1087.7	8.4
40°-50°	1640.6	12.6
50°-60°	2650.6	20.4
60°-70°	3304.4	25.5
70°-80°	2166.9	16.7
80°-90°	535.7	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°	12977.0	100.0
0°-180°	12977.0	100.0

**Coefficient of Utilization**



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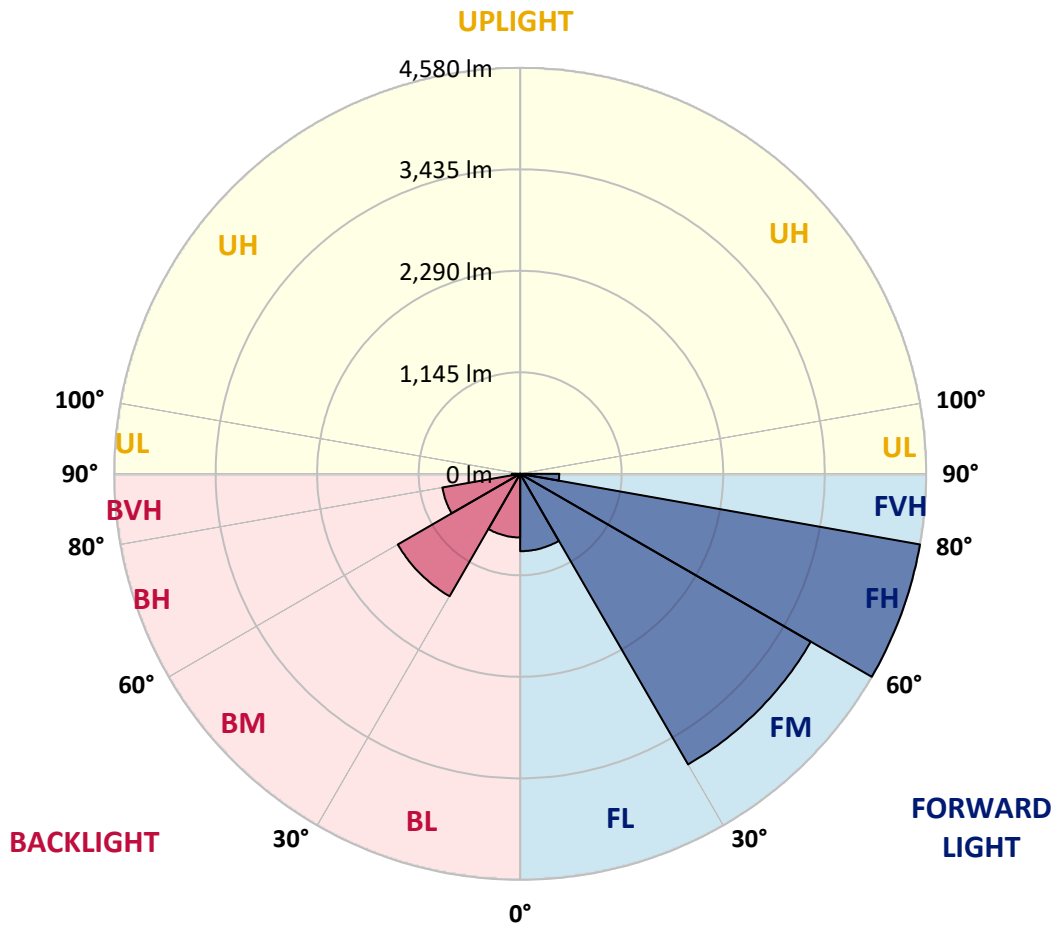
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.9	6.7			
FM (30°-60°)	3785.1	29.2			
FH (60°-80°)	4579.6	35.3			G2/5000
FVH (80°-90°)	441.3	3.4			G3/500
BL (0°-30°)	718.2	5.5	B2/1000		
BM (30°-60°)	1593.8	12.3	B2/2500		
BH (60°-80°)	891.7	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°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
2.5°	1919.0	1904.3	1889.6	1873.9	1858.3	1842.5	1826.8	1811.7	1796.6	1782.1
5°	2063.5	2031.0	1998.4	1966.0	1933.6	1900.9	1868.3	1837.9	1807.4	1778.6
7.5°	2208.6	2155.0	2101.3	2051.8	2002.2	1953.9	1905.6	1863.1	1820.6	1781.4
10°	2319.9	2252.1	2184.2	2118.7	2053.2	1994.6	1935.9	1885.7	1835.3	1786.8
12.5°	2388.1	2313.5	2239.0	2164.8	2090.5	2021.4	1952.2	1895.3	1838.4	1787.5
15°	2429.5	2351.8	2274.0	2193.5	2113.0	2033.4	1953.7	1887.8	1822.0	1765.6
17.5°	2452.8	2373.9	2295.1	2207.3	2119.4	2027.0	1934.5	1855.3	1776.1	1709.8
20°	2478.4	2396.5	2314.6	2218.0	2121.5	2009.5	1897.4	1799.2	1701.0	1623.9
22.5°	2508.2	2424.6	2340.8	2232.5	2124.2	1988.0	1851.7	1733.4	1615.2	1527.3
25°	2546.6	2464.5	2382.6	2258.8	2135.0	1966.7	1798.5	1660.0	1521.5	1431.5
27.5°	2598.6	2520.4	2442.1	2299.9	2157.6	1952.6	1747.5	1592.8	1438.1	1356.1
30°	2668.8	2593.2	2517.7	2353.1	2188.6	1945.9	1703.1	1536.6	1370.2	1301.4
32.5°	2751.7	2676.8	2602.0	2408.7	2215.3	1937.7	1660.0	1488.2	1316.4	1261.0
35°	2852.3	2780.7	2709.0	2471.9	2234.9	1922.2	1609.7	1440.6	1271.6	1225.4
37.5°	3021.8	2930.4	2839.1	2542.8	2246.5	1895.7	1544.9	1384.6	1224.3	1183.9
40°	3277.9	3144.8	3011.7	2632.8	2253.8	1859.2	1464.7	1317.8	1170.9	1134.3
42.5°	3617.5	3425.4	3233.2	2750.5	2267.7	1821.6	1375.5	1244.0	1112.6	1078.8
45°	4036.9	3777.7	3518.6	2905.4	2292.2	1786.6	1281.0	1165.7	1050.4	1016.2
47.5°	4561.4	4196.7	3831.8	3070.4	2309.0	1757.7	1206.4	1103.7	1001.1	956.9
50°	5248.9	4699.0	4149.0	3223.5	2298.0	1726.2	1154.3	1062.6	970.8	912.8
52.5°	6038.1	5226.7	4415.2	3322.9	2230.6	1673.0	1115.5	1035.5	955.6	888.8
55°	6878.3	5694.5	4510.8	3301.0	2091.2	1584.8	1078.3	1015.8	953.3	891.2
57.5°	7642.5	6026.0	4409.6	3146.8	1884.1	1460.4	1036.7	992.5	948.4	893.6
60°	8104.3	6108.9	4113.4	2859.8	1606.3	1299.0	991.6	956.9	922.2	886.1
62.5°	7869.8	5760.0	3650.2	2471.8	1293.3	1105.7	918.1	895.0	872.0	867.6
65°	7400.4	5266.4	3132.4	2075.9	1019.5	931.9	844.3	833.4	822.5	823.1
67.5°	6771.5	4678.9	2586.4	1688.0	789.6	764.8	739.9	746.0	752.0	750.5
70°	6015.8	4037.9	2060.1	1329.1	598.1	605.2	612.3	640.5	668.7	668.7
72.5°	5115.4	3343.1	1570.8	1016.1	461.4	482.8	504.3	544.3	584.2	590.9
75°	3976.3	2546.5	1116.7	737.5	358.3	377.7	397.2	441.9	486.7	517.7
77.5°	2841.0	1782.3	723.6	499.7	275.8	289.0	302.3	345.8	389.3	440.3
80°	1859.4	1148.3	437.2	322.0	206.8	212.3	217.7	254.6	291.4	352.3
82.5°	1080.9	664.6	248.4	198.0	147.8	148.7	149.8	176.9	204.1	256.1
85°	475.6	299.0	122.4	105.9	89.4	88.9	88.3	108.2	128.0	166.7
87.5°	147.2	97.9	48.6	43.9	39.2	38.7	38.2	46.3	54.4	70.5
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°
1784.4	0°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
1765.8	2.5°	1752.7	1739.6	1727.8	1716.0	1705.6	1695.3	1684.9	1674.5	1666.5	1658.5
1750.2	5°	1725.4	1700.6	1679.8	1659.0	1640.7	1622.3	1605.7	1589.0	1576.1	1563.3
1744.6	7.5°	1711.6	1678.7	1651.3	1623.9	1600.8	1577.7	1557.3	1536.9	1521.6	1506.4
1747.3	10°	1712.6	1677.8	1650.4	1623.0	1598.1	1573.2	1550.3	1527.3	1509.1	1490.8
1750.8	12.5°	1722.3	1693.9	1675.7	1657.6	1638.1	1618.6	1594.8	1571.2	1547.9	1524.6
1736.2	15°	1722.5	1709.0	1711.5	1713.9	1708.9	1703.8	1683.2	1662.6	1629.4	1596.3
1691.7	17.5°	1696.7	1701.6	1731.4	1761.3	1777.2	1793.0	1776.4	1759.8	1715.9	1672.0
1619.1	20°	1642.4	1665.6	1717.5	1769.4	1802.6	1835.8	1828.1	1820.4	1770.2	1720.1
1536.7	22.5°	1571.2	1605.6	1664.8	1724.1	1767.3	1810.5	1815.1	1819.7	1771.8	1723.8
1456.8	25°	1496.5	1536.2	1589.4	1642.7	1685.2	1727.8	1743.6	1759.5	1720.2	1680.9
1387.0	27.5°	1425.3	1463.6	1507.4	1551.1	1585.2	1619.3	1637.0	1654.7	1626.7	1598.7
1325.5	30°	1355.9	1386.5	1422.8	1459.1	1487.3	1515.7	1530.1	1544.4	1523.2	1501.8
1271.7	32.5°	1289.7	1307.7	1336.7	1365.7	1392.8	1420.0	1436.0	1452.0	1432.4	1412.8
1220.9	35°	1225.8	1230.8	1252.9	1275.0	1301.8	1328.8	1347.9	1367.1	1353.1	1339.2
1167.6	37.5°	1162.2	1156.7	1172.6	1188.4	1215.2	1242.0	1265.7	1289.4	1282.9	1276.5
1109.3	40°	1096.9	1084.5	1095.9	1107.4	1133.3	1159.1	1186.4	1213.7	1215.3	1216.8
1047.3	42.5°	1030.9	1014.5	1023.8	1033.1	1057.7	1082.2	1111.7	1141.1	1149.0	1156.9
985.7	45°	969.7	953.7	961.5	969.5	992.7	1016.0	1046.6	1077.1	1088.4	1099.7
930.7	47.5°	917.3	903.9	911.3	918.6	941.4	964.1	994.3	1024.4	1037.4	1050.4
882.3	50°	870.4	858.5	870.0	881.6	903.1	924.5	951.5	978.5	995.2	1011.9
846.2	52.5°	834.4	822.7	840.0	857.3	877.0	896.7	921.8	947.0	966.8	986.6
827.0	55°	808.4	789.9	814.4	839.0	860.2	881.4	903.5	925.4	946.4	967.4
815.5	57.5°	788.4	761.3	787.7	814.2	839.1	864.0	885.8	907.6	928.8	949.9
804.7	60°	769.6	734.4	757.6	780.7	809.4	838.0	860.1	882.3	903.5	924.8
792.1	62.5°	748.2	704.3	719.0	733.7	767.1	800.5	824.1	847.7	867.2	886.6
765.5	65°	718.8	672.1	677.8	683.4	719.1	754.9	777.5	800.1	817.2	834.4
718.2	67.5°	679.3	640.4	638.6	636.8	669.8	702.9	724.3	745.7	760.5	775.3
658.0	70°	630.4	602.7	596.6	590.4	619.4	648.5	666.9	685.4	698.8	712.1
591.1	72.5°	572.1	553.1	544.1	535.1	558.0	580.8	597.5	614.2	627.3	640.4
515.1	75°	500.5	485.8	477.2	468.5	485.5	502.5	517.6	532.7	544.6	556.6
438.9	77.5°	427.2	415.5	406.7	398.0	411.8	425.6	438.6	451.6	464.1	476.6
352.1	80°	342.3	332.4	325.1	317.7	329.2	340.7	351.6	362.6	372.1	381.5
259.0	82.5°	254.2	249.4	244.2	239.0	238.0	237.1	233.2	229.4	249.7	269.9
170.5	85°	165.4	160.2	154.4	148.6	143.7	138.7	128.0	117.4	136.4	155.4
75.3	87.5°	73.3	71.2	70.1	69.0	68.8	68.6	60.5	52.4	60.3	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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1784.4	0°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
1652.0	2.5°	1645.4	1640.4	1635.3	1630.7	1625.9	1620.1	1625.9	1630.7	1635.3	1640.4
1554.3	5°	1545.3	1539.0	1532.6	1527.7	1522.9	1518.1	1522.9	1527.7	1532.6	1539.0
1495.8	7.5°	1485.1	1477.8	1470.5	1466.1	1461.8	1458.5	1461.8	1466.1	1470.5	1477.8
1478.9	10°	1466.9	1459.9	1453.0	1449.3	1445.6	1444.1	1445.6	1449.3	1453.0	1459.9
1509.2	12.5°	1493.8	1486.0	1478.4	1475.2	1472.1	1471.5	1472.1	1475.2	1478.4	1486.0
1572.9	15°	1549.4	1538.7	1528.0	1523.9	1519.8	1519.5	1519.8	1523.9	1528.0	1538.7
1637.5	17.5°	1603.0	1587.1	1571.2	1565.9	1560.7	1559.9	1560.7	1565.9	1571.2	1587.1
1677.8	20°	1635.5	1615.2	1594.8	1588.3	1581.8	1579.7	1581.8	1588.3	1594.8	1615.2
1680.3	22.5°	1636.7	1615.2	1593.7	1586.6	1579.4	1576.3	1579.4	1586.6	1593.7	1615.2
1642.2	25°	1603.5	1584.9	1566.4	1559.6	1552.9	1548.9	1552.9	1559.6	1566.4	1584.9
1568.7	27.5°	1538.6	1526.2	1513.6	1510.6	1507.5	1506.4	1507.5	1510.6	1513.6	1526.2
1480.3	30°	1458.6	1452.3	1445.8	1445.8	1445.8	1446.9	1445.8	1445.8	1445.8	1452.3
1395.6	32.5°	1378.4	1374.2	1370.0	1370.6	1371.2	1372.2	1371.2	1370.6	1370.0	1374.2
1323.3	35°	1307.5	1301.2	1294.9	1293.5	1292.1	1291.4	1292.1	1293.5	1294.9	1301.2
1261.9	37.5°	1247.3	1235.7	1224.2	1218.1	1212.0	1208.6	1212.0	1218.1	1224.2	1235.7
1204.4	40°	1192.0	1175.2	1158.5	1147.1	1135.9	1129.1	1135.9	1147.1	1158.5	1175.2
1146.4	42.5°	1136.0	1115.1	1094.2	1077.7	1061.2	1050.4	1061.2	1077.7	1094.2	1115.1
1090.3	45°	1080.9	1057.0	1033.1	1013.8	994.4	981.9	994.4	1013.8	1033.1	1057.0
1043.8	47.5°	1037.3	1016.0	994.8	976.9	959.0	947.0	959.0	976.9	994.8	1016.0
1011.5	50°	1011.2	994.3	977.3	960.7	944.1	932.6	944.1	960.7	977.3	994.3
990.1	52.5°	993.7	979.9	966.0	951.2	936.4	925.8	936.4	951.2	966.0	979.9
972.3	55°	977.3	965.2	953.2	940.2	927.1	917.6	927.1	940.2	953.2	965.2
954.9	57.5°	959.9	947.7	935.5	922.6	909.7	899.8	909.7	922.6	935.5	947.7
930.2	60°	935.7	923.8	911.9	898.7	885.4	875.1	885.4	898.7	911.9	923.8
891.9	62.5°	897.2	886.4	875.7	861.7	847.7	835.4	847.7	861.7	875.7	886.4
839.8	65°	845.1	834.8	824.4	810.9	797.4	786.8	797.4	810.9	824.4	834.8
780.5	67.5°	785.7	776.2	766.8	754.2	741.6	732.0	741.6	754.2	766.8	776.2
717.2	70°	722.3	714.5	706.8	694.7	682.7	671.7	682.7	694.7	706.8	714.5
646.4	72.5°	652.4	646.0	639.6	628.0	616.6	606.0	616.6	628.0	639.6	646.0
562.9	75°	569.2	566.0	562.9	553.2	543.6	533.4	543.6	553.2	562.9	566.0
482.5	77.5°	488.4	484.0	479.5	469.7	460.0	451.9	460.0	469.7	479.5	484.0
389.3	80°	397.2	395.2	393.4	380.3	367.2	352.0	367.2	380.3	393.4	395.2
283.2	82.5°	296.5	295.7	294.8	283.8	272.7	262.9	272.7	283.8	294.8	295.7
171.9	85°	188.3	186.9	185.6	176.9	168.3	159.5	168.3	176.9	185.6	186.9
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°
1784.4	0°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
1645.4	2.5°	1652.0	1658.5	1666.5	1674.5	1684.9	1695.3	1705.6	1716.0	1727.8	1739.6
1545.3	5°	1554.3	1563.3	1576.1	1589.0	1605.7	1622.3	1640.7	1659.0	1679.8	1700.6
1485.1	7.5°	1495.8	1506.4	1521.6	1536.9	1557.3	1577.7	1600.8	1623.9	1651.3	1678.7
1466.9	10°	1478.9	1490.8	1509.1	1527.3	1550.3	1573.2	1598.1	1623.0	1650.4	1677.8
1493.8	12.5°	1509.2	1524.6	1547.9	1571.2	1594.8	1618.6	1638.1	1657.6	1675.7	1693.9
1549.4	15°	1572.9	1596.3	1629.4	1662.6	1683.2	1703.8	1708.9	1713.9	1711.5	1709.0
1603.0	17.5°	1637.5	1672.0	1715.9	1759.8	1776.4	1793.0	1777.2	1761.3	1731.4	1701.6
1635.5	20°	1677.8	1720.1	1770.2	1820.4	1828.1	1835.8	1802.6	1769.4	1717.5	1665.6
1636.7	22.5°	1680.3	1723.8	1771.8	1819.7	1815.1	1810.5	1767.3	1724.1	1664.8	1605.6
1603.5	25°	1642.2	1680.9	1720.2	1759.5	1743.6	1727.8	1685.2	1642.7	1589.4	1536.2
1538.6	27.5°	1568.7	1598.7	1626.7	1654.7	1637.0	1619.3	1585.2	1551.1	1507.4	1463.6
1458.6	30°	1480.3	1501.8	1523.2	1544.4	1530.1	1515.7	1487.3	1459.1	1422.8	1386.5
1378.4	32.5°	1395.6	1412.8	1432.4	1452.0	1436.0	1420.0	1392.8	1365.7	1336.7	1307.7
1307.5	35°	1323.3	1339.2	1353.1	1367.1	1347.9	1328.8	1301.8	1275.0	1252.9	1230.8
1247.3	37.5°	1261.9	1276.5	1282.9	1289.4	1265.7	1242.0	1215.2	1188.4	1172.6	1156.7
1192.0	40°	1204.4	1216.8	1215.3	1213.7	1186.4	1159.1	1133.3	1107.4	1095.9	1084.5
1136.0	42.5°	1146.4	1156.9	1149.0	1141.1	1111.7	1082.2	1057.7	1033.1	1023.8	1014.5
1080.9	45°	1090.3	1099.7	1088.4	1077.1	1046.6	1016.0	992.7	969.5	961.5	953.7
1037.3	47.5°	1043.8	1050.4	1037.4	1024.4	994.3	964.1	941.4	918.6	911.3	903.9
1011.2	50°	1011.5	1011.9	995.2	978.5	951.5	924.5	903.1	881.6	870.0	858.5
993.7	52.5°	990.1	986.6	966.8	947.0	921.8	896.7	877.0	857.3	840.0	822.7
977.3	55°	972.3	967.4	946.4	925.4	903.5	881.4	860.2	839.0	814.4	789.9
959.9	57.5°	954.9	949.9	928.8	907.6	885.8	864.0	839.1	814.2	787.7	761.3
935.7	60°	930.2	924.8	903.5	882.3	860.1	838.0	809.4	780.7	757.6	734.4
897.2	62.5°	891.9	886.6	867.2	847.7	824.1	800.5	767.1	733.7	719.0	704.3
845.1	65°	839.8	834.4	817.2	800.1	777.5	754.9	719.1	683.4	677.8	672.1
785.7	67.5°	780.5	775.3	760.5	745.7	724.3	702.9	669.8	636.8	638.6	640.4
722.3	70°	717.2	712.1	698.8	685.4	666.9	648.5	619.4	590.4	596.6	602.7
652.4	72.5°	646.4	640.4	627.3	614.2	597.5	580.8	558.0	535.1	544.1	553.1
569.2	75°	562.9	556.6	544.6	532.7	517.6	502.5	485.5	468.5	477.2	485.8
488.4	77.5°	482.5	476.6	464.1	451.6	438.6	425.6	411.8	398.0	406.7	415.5
397.2	80°	389.3	381.5	372.1	362.6	351.6	340.7	329.2	317.7	325.1	332.4
296.5	82.5°	283.2	269.9	249.7	229.4	233.2	237.1	238.0	239.0	244.2	249.4
188.3	85°	171.9	155.4	136.4	117.4	128.0	138.7	143.7	148.6	154.4	160.2
81.6	87.5°	75.0	68.3	60.3	52.4	60.5	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°
1784.4	0°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
1752.7	2.5°	1765.8	1782.1	1796.6	1811.7	1826.8	1842.5	1858.3	1873.9	1889.6	1904.3
1725.4	5°	1750.2	1778.6	1807.4	1837.9	1868.3	1900.9	1933.6	1966.0	1998.4	2031.0
1711.6	7.5°	1744.6	1781.4	1820.6	1863.1	1905.6	1953.9	2002.2	2051.8	2101.3	2155.0
1712.6	10°	1747.3	1786.8	1835.3	1885.7	1935.9	1994.6	2053.2	2118.7	2184.2	2252.1
1722.3	12.5°	1750.8	1787.5	1838.4	1895.3	1952.2	2021.4	2090.5	2164.8	2239.0	2313.5
1722.5	15°	1736.2	1765.6	1822.0	1887.8	1953.7	2033.4	2113.0	2193.5	2274.0	2351.8
1696.7	17.5°	1691.7	1709.8	1776.1	1855.3	1934.5	2027.0	2119.4	2207.3	2295.1	2373.9
1642.4	20°	1619.1	1623.9	1701.0	1799.2	1897.4	2009.5	2121.5	2218.0	2314.6	2396.5
1571.2	22.5°	1536.7	1527.3	1615.2	1733.4	1851.7	1988.0	2124.2	2232.5	2340.8	2424.6
1496.5	25°	1456.8	1431.5	1521.5	1660.0	1798.5	1966.7	2135.0	2258.8	2382.6	2464.5
1425.3	27.5°	1387.0	1356.1	1438.1	1592.8	1747.5	1952.6	2157.6	2299.9	2442.1	2520.4
1355.9	30°	1325.5	1301.4	1370.2	1536.6	1703.1	1945.9	2188.6	2353.1	2517.7	2593.2
1289.7	32.5°	1271.7	1261.0	1316.4	1488.2	1660.0	1937.7	2215.3	2408.7	2602.0	2676.8
1225.8	35°	1220.9	1225.4	1271.6	1440.6	1609.7	1922.2	2234.9	2471.9	2709.0	2780.7
1162.2	37.5°	1167.6	1183.9	1224.3	1384.6	1544.9	1895.7	2246.5	2542.8	2839.1	2930.4
1096.9	40°	1109.3	1134.3	1170.9	1317.8	1464.7	1859.2	2253.8	2632.8	3011.7	3144.8
1030.9	42.5°	1047.3	1078.8	1112.6	1244.0	1375.5	1821.6	2267.7	2750.5	3233.2	3425.4
969.7	45°	985.7	1016.2	1050.4	1165.7	1281.0	1786.6	2292.2	2905.4	3518.6	3777.7
917.3	47.5°	930.7	956.9	1001.1	1103.7	1206.4	1757.7	2309.0	3070.4	3831.8	4196.7
870.4	50°	882.3	912.8	970.8	1062.6	1154.3	1726.2	2298.0	3223.5	4149.0	4699.0
834.4	52.5°	846.2	888.8	955.6	1035.5	1115.5	1673.0	2230.6	3322.9	4415.2	5226.7
808.4	55°	827.0	891.2	953.3	1015.8	1078.3	1584.8	2091.2	3301.0	4510.8	5694.5
788.4	57.5°	815.5	893.6	948.4	992.5	1036.7	1460.4	1884.1	3146.8	4409.6	6026.0
769.6	60°	804.7	886.1	922.2	956.9	991.6	1299.0	1606.3	2859.8	4113.4	6108.9
748.2	62.5°	792.1	867.6	872.0	895.0	918.1	1105.7	1293.3	2471.8	3650.2	5760.0
718.8	65°	765.5	823.1	822.5	833.4	844.3	931.9	1019.5	2075.9	3132.4	5266.4
679.3	67.5°	718.2	750.5	752.0	746.0	739.9	764.8	789.6	1688.0	2586.4	4678.9
630.4	70°	658.0	668.7	668.7	640.5	612.3	605.2	598.1	1329.1	2060.1	4037.9
572.1	72.5°	591.1	590.9	584.2	544.3	504.3	482.8	461.4	1016.1	1570.8	3343.1
500.5	75°	515.1	517.7	486.7	441.9	397.2	377.7	358.3	737.5	1116.7	2546.5
427.2	77.5°	438.9	440.3	389.3	345.8	302.3	289.0	275.8	499.7	723.6	1782.3
342.3	80°	352.1	352.3	291.4	254.6	217.7	212.3	206.8	322.0	437.2	1148.3
254.2	82.5°	259.0	256.1	204.1	176.9	149.8	148.7	147.8	198.0	248.4	664.6
165.4	85°	170.5	166.7	128.0	108.2	88.3	88.9	89.4	105.9	122.4	299.0
73.3	87.5°	75.3	70.5	54.4	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°
1784.4	0°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
1919.0	2.5°	1926.3	1933.6	1943.9	1954.3	1960.4	1966.6	1969.7	1972.8	1971.4	1972.8
2063.5	5°	2088.9	2114.4	2139.6	2164.8	2178.5	2192.2	2200.5	2208.9	2215.2	2208.9
2208.6	7.5°	2250.0	2291.3	2328.5	2365.7	2388.1	2410.4	2422.6	2434.6	2440.4	2434.6
2319.9	10°	2368.8	2417.7	2461.3	2504.9	2531.4	2557.7	2569.4	2581.2	2585.6	2581.2
2388.1	12.5°	2441.1	2494.0	2533.4	2572.7	2591.9	2611.1	2617.5	2623.9	2624.6	2623.9
2429.5	15°	2475.2	2520.9	2545.6	2570.4	2571.1	2571.8	2564.9	2558.1	2550.0	2558.1
2452.8	17.5°	2483.6	2514.5	2515.0	2515.4	2487.7	2460.0	2434.5	2409.1	2391.1	2409.1
2478.4	20°	2489.2	2500.0	2467.5	2435.0	2373.7	2312.5	2267.9	2223.4	2196.0	2223.4
2508.2	22.5°	2494.1	2480.0	2412.6	2345.3	2255.2	2165.2	2109.4	2053.7	2023.4	2053.7
2546.6	25°	2502.1	2457.6	2355.3	2253.0	2143.6	2034.2	1975.6	1917.2	1888.5	1917.2
2598.6	27.5°	2519.0	2439.4	2303.9	2168.5	2047.3	1926.1	1868.4	1810.8	1783.8	1810.8
2668.8	30°	2550.1	2431.5	2264.7	2097.9	1971.7	1845.4	1791.9	1738.4	1713.2	1738.4
2751.7	32.5°	2589.2	2426.7	2238.0	2049.3	1930.6	1812.0	1770.0	1728.0	1709.8	1728.0
2852.3	35°	2653.5	2454.7	2258.0	2061.4	1979.0	1896.6	1886.8	1877.0	1875.5	1877.0
3021.8	37.5°	2787.9	2554.0	2375.2	2196.5	2191.2	2185.8	2230.6	2275.4	2298.7	2275.4
3277.9	40°	3023.5	2769.1	2636.2	2503.3	2597.1	2690.9	2799.8	2908.7	2962.9	2908.7
3617.5	42.5°	3365.1	3112.7	3036.2	2959.6	3164.2	3368.8	3566.8	3764.9	3881.1	3764.9
4036.9	45°	3810.2	3583.4	3549.7	3515.8	3843.6	4171.5	4496.9	4822.3	5019.9	4822.3
4561.4	47.5°	4340.9	4120.3	4113.4	4106.6	4579.4	5052.2	5528.6	6004.9	6284.6	6004.9
5248.9	50°	4976.5	4704.1	4705.2	4706.4	5315.8	5925.2	6554.1	7182.9	7563.0	7182.9
6038.1	52.5°	5708.2	5378.3	5345.0	5311.6	6039.5	6767.5	7545.5	8323.4	8779.1	8323.4
6878.3	55°	6552.3	6226.4	6096.4	5966.3	6776.5	7586.6	8514.1	9441.6	9983.6	9441.6
7642.5	57.5°	7465.0	7287.4	7026.6	6765.8	7583.9	8402.0	9452.5	10503.0	11175.1	10503.0
8104.3	60°	8380.0	8655.7	8331.9	8008.0	8782.1	9556.3	10681.1	11805.9	12532.2	11805.9
7869.8	62.5°	8623.1	9376.4	9339.9	9303.3	10012.5	10721.8	11791.9	12861.9	13533.3	12861.9
7400.4	65°	8107.4	8814.4	8954.3	9094.1	9995.4	10896.7	11934.4	12972.0	13543.6	12972.0
6771.5	67.5°	7443.9	8116.3	8181.9	8247.4	9186.5	10125.5	11167.6	12209.7	12657.5	12209.7
6015.8	70°	6747.2	7478.7	7508.0	7537.3	8377.1	9216.8	10113.6	11010.4	11259.3	11010.4
5115.4	72.5°	5954.7	6794.1	6815.1	6836.2	7493.2	8150.2	8821.9	9493.5	9518.7	9493.5
3976.3	75°	4845.0	5713.7	5791.7	5869.6	6380.8	6892.0	7364.8	7837.6	7710.9	7837.6
2841.0	77.5°	3651.9	4462.8	4574.4	4686.1	5074.7	5463.2	5798.6	6134.0	5916.2	6134.0
1859.4	80°	2541.6	3223.8	3362.5	3501.2	3794.7	4088.1	4264.2	4440.2	4090.0	4440.2
1080.9	82.5°	1547.3	2013.7	2168.7	2323.7	2525.7	2727.7	2801.2	2874.6	2599.3	2874.6
475.6	85°	723.1	970.6	1102.4	1234.3	1400.2	1566.2	1607.9	1649.6	1429.1	1649.6
147.2	87.5°	230.4	313.6	387.2	460.7	543.7	626.7	630.2	633.7	532.0	633.7
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°
1784.4	0°	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4	1784.4
1969.7	2.5°	1966.6	1960.4	1954.3	1943.9	1933.6	1926.3	1919.0
2200.5	5°	2192.2	2178.5	2164.8	2139.6	2114.4	2088.9	2063.5
2422.6	7.5°	2410.4	2388.1	2365.7	2328.5	2291.3	2250.0	2208.6
2569.4	10°	2557.7	2531.4	2504.9	2461.3	2417.7	2368.8	2319.9
2617.5	12.5°	2611.1	2591.9	2572.7	2533.4	2494.0	2441.1	2388.1
2564.9	15°	2571.8	2571.1	2570.4	2545.6	2520.9	2475.2	2429.5
2434.5	17.5°	2460.0	2487.7	2515.4	2515.0	2514.5	2483.6	2452.8
2267.9	20°	2312.5	2373.7	2435.0	2467.5	2500.0	2489.2	2478.4
2109.4	22.5°	2165.2	2255.2	2345.3	2412.6	2480.0	2494.1	2508.2
1975.6	25°	2034.2	2143.6	2253.0	2355.3	2457.6	2502.1	2546.6
1868.4	27.5°	1926.1	2047.3	2168.5	2303.9	2439.4	2519.0	2598.6
1791.9	30°	1845.4	1971.7	2097.9	2264.7	2431.5	2550.1	2668.8
1770.0	32.5°	1812.0	1930.6	2049.3	2238.0	2426.7	2589.2	2751.7
1886.8	35°	1896.6	1979.0	2061.4	2258.0	2454.7	2653.5	2852.3
2230.6	37.5°	2185.8	2191.2	2196.5	2375.2	2554.0	2787.9	3021.8
2799.8	40°	2690.9	2597.1	2503.3	2636.2	2769.1	3023.5	3277.9
3566.8	42.5°	3368.8	3164.2	2959.6	3036.2	3112.7	3365.1	3617.5
4496.9	45°	4171.5	3843.6	3515.8	3549.7	3583.4	3810.2	4036.9
5528.6	47.5°	5052.2	4579.4	4106.6	4113.4	4120.3	4340.9	4561.4
6554.1	50°	5925.2	5315.8	4706.4	4705.2	4704.1	4976.5	5248.9
7545.5	52.5°	6767.5	6039.5	5311.6	5345.0	5378.3	5708.2	6038.1
8514.1	55°	7586.6	6776.5	5966.3	6096.4	6226.4	6552.3	6878.3
9452.5	57.5°	8402.0	7583.9	6765.8	7026.6	7287.4	7465.0	7642.5
10681.1	60°	9556.3	8782.1	8008.0	8331.9	8655.7	8380.0	8104.3
11791.9	62.5°	10721.8	10012.5	9303.3	9339.9	9376.4	8623.1	7869.8
11934.4	65°	10896.7	9995.4	9094.1	8954.3	8814.4	8107.4	7400.4
11167.6	67.5°	10125.5	9186.5	8247.4	8181.9	8116.3	7443.9	6771.5
10113.6	70°	9216.8	8377.1	7537.3	7508.0	7478.7	6747.2	6015.8
8821.9	72.5°	8150.2	7493.2	6836.2	6815.1	6794.1	5954.7	5115.4
7364.8	75°	6892.0	6380.8	5869.6	5791.7	5713.7	4845.0	3976.3
5798.6	77.5°	5463.2	5074.7	4686.1	4574.4	4462.8	3651.9	2841.0
4264.2	80°	4088.1	3794.7	3501.2	3362.5	3223.8	2541.6	1859.4
2801.2	82.5°	2727.7	2525.7	2323.7	2168.7	2013.7	1547.3	1080.9
1607.9	85°	1566.2	1400.2	1234.3	1102.4	970.6	723.1	475.6
630.2	87.5°	626.7	543.7	460.7	387.2	313.6	230.4	147.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)