

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: P947929

Luminaire Tested: **GALN-SB3A-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947929
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-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12828 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

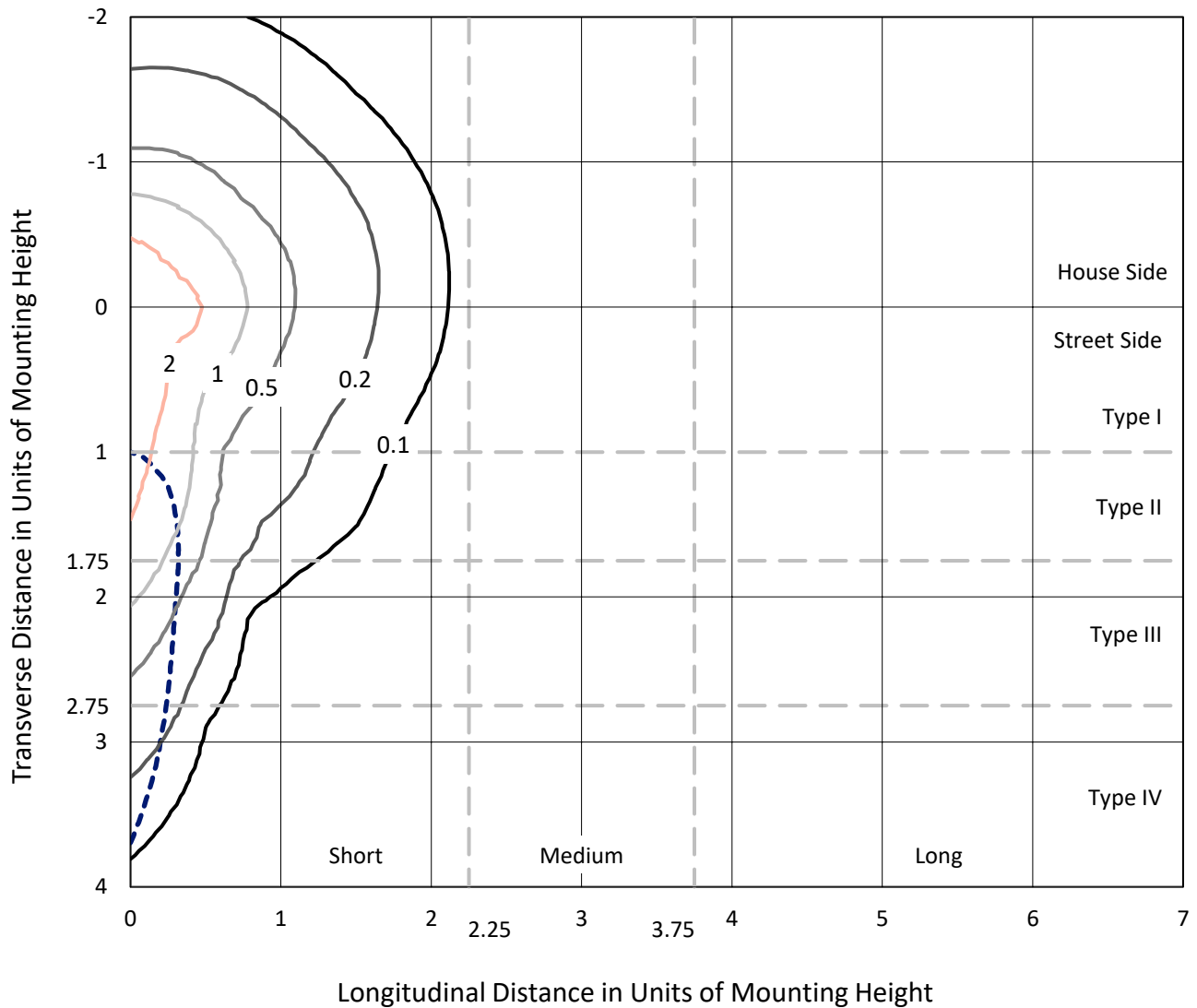
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

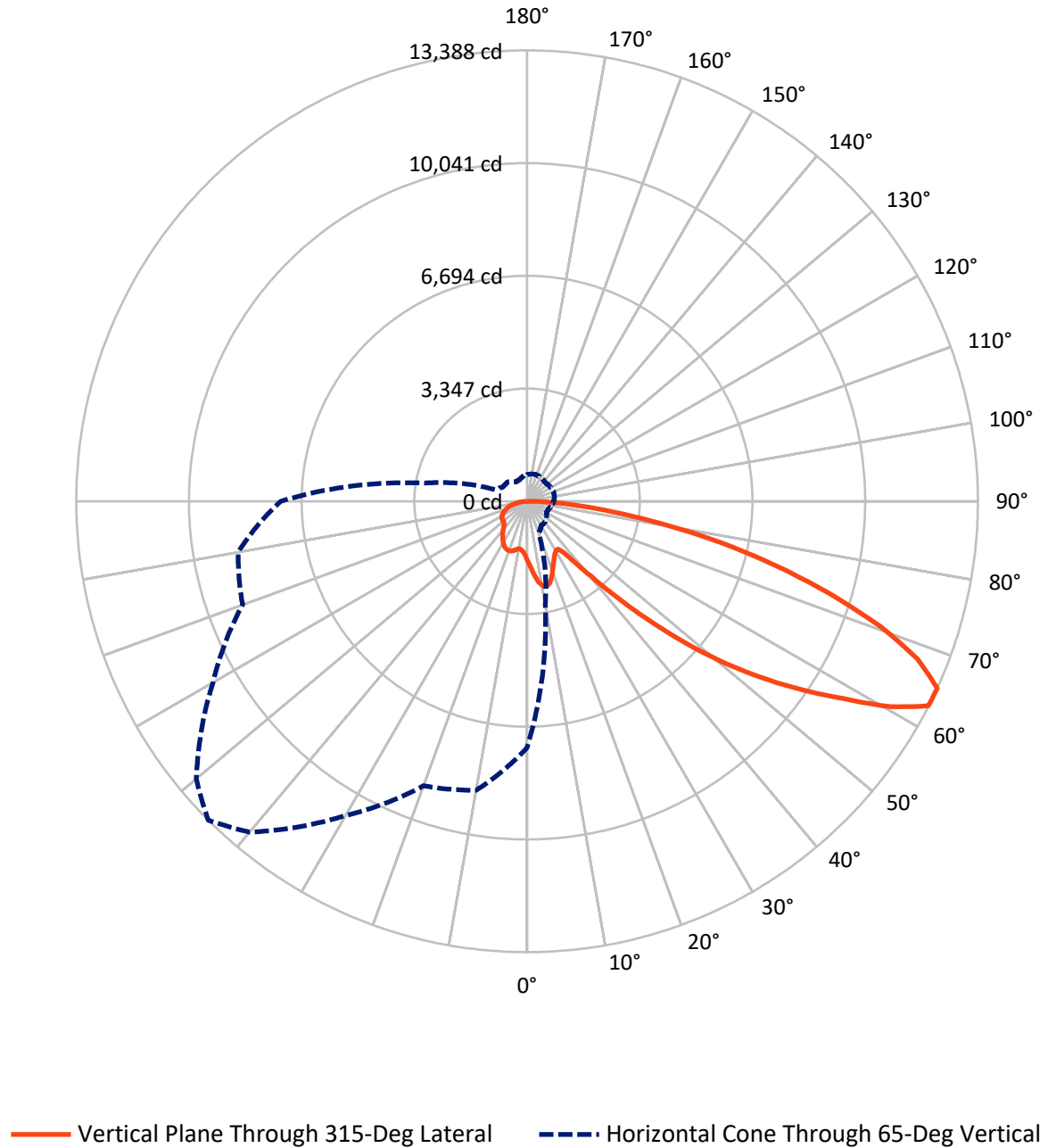
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3260.2	0.0	3260.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	9567.8	0.0	9567.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	12828.0	0.0	12828.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.0	1.4
10°-20°	549.3	4.3
20°-30°	848.5	6.6
30°-40°	1075.3	8.4
40°-50°	1621.8	12.6
50°-60°	2620.2	20.4
60°-70°	3266.5	25.5
70°-80°	2142.0	16.7
80°-90°	529.6	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°	12828.0	100.0
0°-180°	12828.0	100.0



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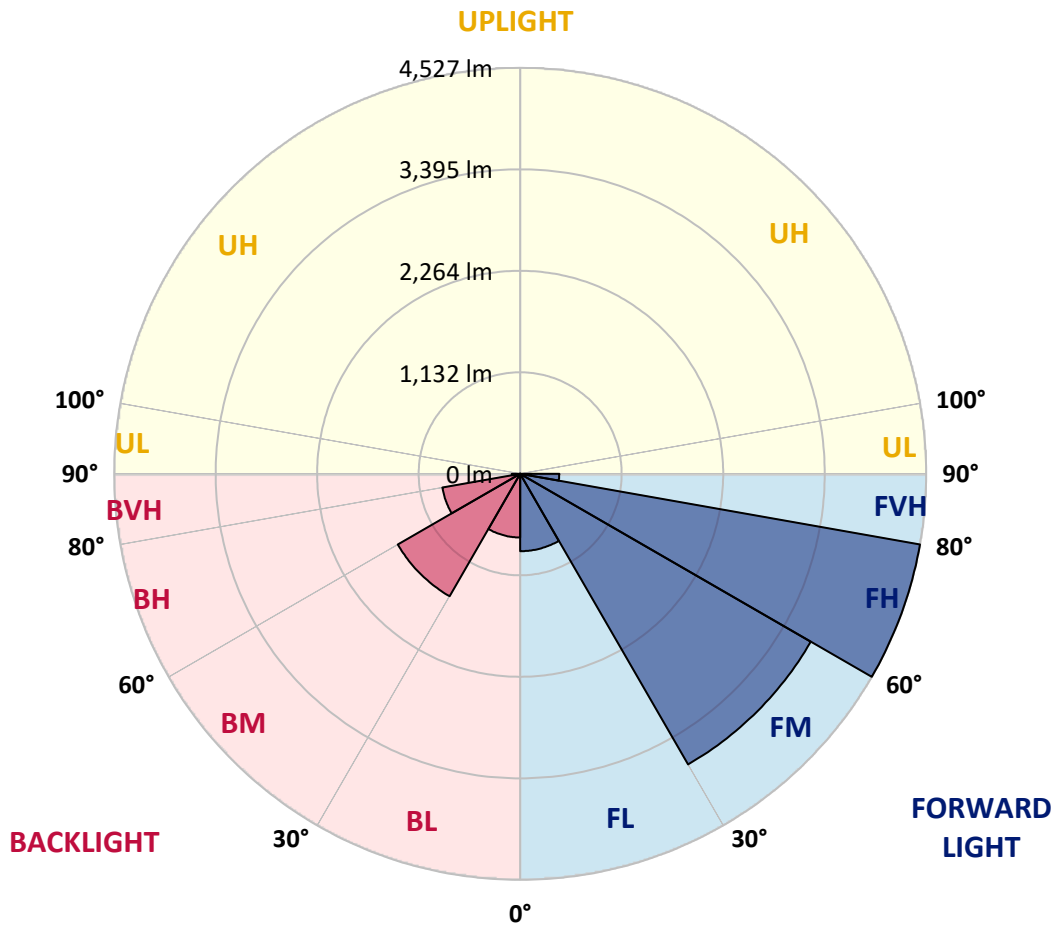
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.8	6.7			
FM (30°-60°)	3741.7	29.2			
FH (60°-80°)	4527.1	35.3			G2/5000
FVH (80°-90°)	436.2	3.4			G3/500
BL (0°-30°)	710.0	5.5	B2/1000		
BM (30°-60°)	1575.5	12.3	B2/2500		
BH (60°-80°)	881.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	93.3	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°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
2.5°	1897.0	1882.4	1867.9	1852.4	1836.9	1821.4	1805.8	1790.9	1776.0	1761.6
5°	2039.8	2007.6	1975.5	1943.4	1911.4	1879.1	1846.9	1816.8	1786.6	1758.2
7.5°	2183.3	2130.2	2077.2	2028.2	1979.2	1931.5	1883.8	1841.7	1799.7	1760.9
10°	2293.3	2226.2	2159.1	2094.3	2029.6	1971.7	1913.7	1864.0	1814.2	1766.3
12.5°	2360.6	2286.9	2213.3	2139.9	2066.5	1998.2	1929.8	1873.5	1817.3	1767.0
15°	2401.6	2324.8	2247.9	2168.3	2088.7	2010.0	1931.3	1866.2	1801.1	1745.3
17.5°	2424.6	2346.7	2268.8	2181.9	2095.1	2003.7	1912.3	1834.0	1755.7	1690.2
20°	2450.0	2369.0	2288.0	2192.6	2097.1	1986.4	1875.6	1778.6	1681.5	1605.2
22.5°	2479.4	2396.7	2313.9	2206.9	2099.8	1965.1	1830.4	1713.5	1596.6	1509.8
25°	2517.3	2436.2	2355.2	2232.9	2110.5	1944.1	1777.8	1640.9	1504.0	1415.0
27.5°	2568.8	2491.5	2414.1	2273.5	2132.9	1930.1	1727.4	1574.5	1421.6	1340.6
30°	2638.2	2563.4	2488.8	2326.1	2163.5	1923.6	1683.5	1519.0	1354.4	1286.4
32.5°	2720.1	2646.1	2572.2	2381.0	2189.9	1915.4	1640.9	1471.1	1301.3	1246.5
35°	2819.6	2748.8	2677.9	2443.6	2209.2	1900.1	1591.2	1424.1	1257.0	1211.3
37.5°	2987.1	2896.8	2806.5	2513.6	2220.7	1874.0	1527.2	1368.7	1210.3	1170.3
40°	3240.2	3108.7	2977.1	2602.6	2228.0	1837.9	1447.9	1302.7	1157.5	1121.3
42.5°	3576.0	3386.0	3196.1	2718.9	2241.7	1800.6	1359.7	1229.8	1099.8	1066.4
45°	3990.6	3734.4	3478.2	2872.0	2265.9	1766.1	1266.3	1152.3	1038.3	1004.5
47.5°	4509.1	4148.5	3787.8	3035.1	2282.5	1737.5	1192.5	1091.1	989.6	945.9
50°	5188.7	4645.1	4101.4	3186.5	2271.6	1706.4	1141.1	1050.4	959.7	902.3
52.5°	5968.8	5166.7	4364.5	3284.8	2205.0	1653.8	1102.6	1023.6	944.6	878.6
55°	6799.3	5629.1	4459.0	3263.1	2067.2	1566.6	1066.0	1004.2	942.4	881.0
57.5°	7554.7	5956.9	4359.0	3110.7	1862.4	1443.7	1024.8	981.1	937.5	883.3
60°	8011.3	6038.8	4066.2	2827.0	1587.8	1284.0	980.3	945.9	911.6	875.9
62.5°	7779.4	5693.9	3608.3	2443.4	1278.5	1093.0	907.6	884.8	862.0	857.6
65°	7315.4	5205.9	3096.4	2052.0	1007.7	921.2	834.6	823.8	813.1	813.6
67.5°	6693.7	4625.2	2556.7	1668.7	780.6	756.0	731.4	737.4	743.4	741.9
70°	5946.8	3991.6	2036.4	1313.8	591.3	598.3	605.3	633.2	661.0	661.0
72.5°	5056.7	3304.7	1552.8	1004.4	456.1	477.3	498.5	538.1	577.5	584.2
75°	3930.7	2517.3	1103.9	729.0	354.1	373.4	392.6	436.9	481.1	511.7
77.5°	2808.4	1761.9	715.3	494.0	272.6	285.7	298.8	341.8	384.8	435.2
80°	1838.1	1135.1	432.2	318.3	204.4	209.8	215.2	251.7	288.0	348.3
82.5°	1068.5	657.0	245.6	195.8	146.1	147.0	148.1	174.9	201.7	253.2
85°	470.1	295.5	121.0	104.6	88.3	87.9	87.3	106.9	126.6	164.8
87.5°	145.5	96.8	48.1	43.4	38.7	38.2	37.8	45.8	53.8	69.7
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°
1764.0	0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
1745.5	2.5°	1732.6	1719.6	1707.9	1696.3	1686.1	1675.8	1665.5	1655.3	1647.4	1639.4
1730.1	5°	1705.6	1681.0	1660.5	1640.0	1621.8	1603.7	1587.2	1570.7	1558.1	1545.3
1724.6	7.5°	1691.9	1659.4	1632.3	1605.2	1582.4	1559.5	1539.4	1519.3	1504.2	1489.1
1727.3	10°	1692.9	1658.5	1631.4	1604.4	1579.8	1555.1	1532.5	1509.8	1491.8	1473.7
1730.7	12.5°	1702.5	1674.5	1656.5	1638.6	1619.2	1600.0	1576.5	1553.1	1530.1	1507.1
1716.2	15°	1702.8	1689.4	1691.8	1694.2	1689.2	1684.2	1663.8	1643.5	1610.7	1578.0
1672.2	17.5°	1677.2	1682.1	1711.6	1741.1	1756.8	1772.4	1756.0	1739.6	1696.2	1652.8
1600.5	20°	1623.5	1646.5	1697.8	1749.1	1781.9	1814.7	1807.1	1799.5	1749.9	1700.3
1519.1	22.5°	1553.1	1587.2	1645.6	1704.3	1747.0	1789.7	1794.3	1798.8	1751.4	1704.1
1440.1	25°	1479.3	1518.6	1571.2	1623.8	1665.9	1707.9	1723.6	1739.3	1700.4	1661.6
1371.0	27.5°	1408.9	1446.8	1490.1	1533.3	1567.0	1600.7	1618.2	1635.7	1608.0	1580.4
1310.3	30°	1340.4	1370.6	1406.4	1442.3	1470.3	1498.3	1512.5	1526.7	1505.7	1484.5
1257.1	32.5°	1274.9	1292.7	1321.3	1350.0	1376.9	1403.7	1419.5	1435.3	1416.0	1396.5
1206.9	35°	1211.8	1216.7	1238.6	1260.4	1286.9	1313.5	1332.4	1351.4	1337.6	1323.9
1154.2	37.5°	1148.8	1143.4	1159.1	1174.7	1201.2	1227.7	1251.2	1274.6	1268.2	1261.8
1096.6	40°	1084.3	1072.0	1083.4	1094.7	1120.2	1145.8	1172.8	1199.8	1201.3	1202.8
1035.3	42.5°	1019.0	1002.8	1012.0	1021.3	1045.5	1069.8	1098.9	1128.0	1135.8	1143.6
974.4	45°	958.5	942.8	950.5	958.3	981.3	1004.4	1034.5	1064.7	1075.9	1087.1
920.0	47.5°	906.8	893.5	900.8	908.0	930.6	953.1	982.8	1012.6	1025.5	1038.3
872.2	50°	860.4	848.7	860.0	871.5	892.7	913.9	940.6	967.3	983.8	1000.3
836.5	52.5°	824.9	813.3	830.4	847.5	867.0	886.4	911.2	936.1	955.7	975.3
817.5	55°	799.1	780.8	805.1	829.3	850.3	871.3	893.1	914.8	935.5	956.3
806.2	57.5°	779.4	752.6	778.7	804.8	829.5	854.1	875.6	897.2	918.1	939.0
795.5	60°	760.8	726.0	748.9	771.8	800.1	828.4	850.2	872.2	893.1	914.1
783.0	62.5°	739.6	696.2	710.7	725.3	758.2	791.3	814.6	838.0	857.2	876.4
756.8	65°	710.6	664.4	670.0	675.5	710.9	746.3	768.6	790.9	807.9	824.8
709.9	67.5°	671.5	633.0	631.3	629.5	662.1	694.8	716.0	737.1	751.7	766.4
650.5	70°	623.1	595.8	589.7	583.6	612.3	641.0	659.3	677.6	690.8	704.0
584.3	72.5°	565.5	546.8	537.9	529.0	551.6	574.1	590.6	607.2	620.1	633.0
509.2	75°	494.7	480.2	471.7	463.1	479.9	496.7	511.7	526.6	538.4	550.2
433.9	77.5°	422.3	410.7	402.1	393.4	407.1	420.7	433.5	446.4	458.8	471.1
348.1	80°	338.4	328.6	321.4	314.1	325.4	336.7	347.6	358.4	367.8	377.2
256.0	82.5°	251.3	246.5	241.4	236.2	235.3	234.3	230.5	226.8	246.8	266.8
168.5	85°	163.5	158.4	152.6	146.9	142.0	137.1	126.6	116.1	134.8	153.7
74.5	87.5°	72.4	70.4	69.3	68.2	68.0	67.8	59.8	51.8	59.6	67.6
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°
1764.0	0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
1633.0	2.5°	1626.6	1621.5	1616.5	1611.9	1607.3	1601.5	1607.3	1611.9	1616.5	1621.5
1536.5	5°	1527.6	1521.3	1515.0	1510.2	1505.4	1500.7	1505.4	1510.2	1515.0	1521.3
1478.6	7.5°	1468.0	1460.8	1453.6	1449.3	1445.0	1441.8	1445.0	1449.3	1453.6	1460.8
1461.9	10°	1450.0	1443.2	1436.3	1432.7	1429.0	1427.5	1429.0	1432.7	1436.3	1443.2
1491.9	12.5°	1476.6	1469.0	1461.4	1458.3	1455.2	1454.6	1455.2	1458.3	1461.4	1469.0
1554.8	15°	1531.7	1521.0	1510.5	1506.4	1502.3	1502.0	1502.3	1506.4	1510.5	1521.0
1618.7	17.5°	1584.6	1568.9	1553.1	1548.0	1542.8	1541.9	1542.8	1548.0	1553.1	1568.9
1658.5	20°	1616.7	1596.6	1576.5	1570.0	1563.6	1561.6	1563.6	1570.0	1576.5	1596.6
1661.0	22.5°	1617.9	1596.7	1575.4	1568.3	1561.2	1558.2	1561.2	1568.3	1575.4	1596.7
1623.3	25°	1585.1	1566.7	1548.4	1541.7	1535.0	1531.1	1535.0	1541.7	1548.4	1566.7
1550.7	27.5°	1521.0	1508.6	1496.3	1493.2	1490.2	1489.1	1490.2	1493.2	1496.3	1508.6
1463.3	30°	1441.9	1435.6	1429.2	1429.2	1429.2	1430.3	1429.2	1429.2	1429.2	1435.6
1379.6	32.5°	1362.6	1358.4	1354.3	1354.9	1355.5	1356.5	1355.5	1354.9	1354.3	1358.4
1308.1	35°	1292.5	1286.2	1280.0	1278.6	1277.3	1276.6	1277.3	1278.6	1280.0	1286.2
1247.4	37.5°	1232.9	1221.5	1210.1	1204.1	1198.1	1194.7	1198.1	1204.1	1210.1	1221.5
1190.6	40°	1178.3	1161.7	1145.2	1133.9	1122.8	1116.2	1122.8	1133.9	1145.2	1161.7
1133.2	42.5°	1123.0	1102.3	1081.7	1065.3	1049.0	1038.3	1049.0	1065.3	1081.7	1102.3
1077.7	45°	1068.5	1044.8	1021.3	1002.1	983.0	970.7	983.0	1002.1	1021.3	1044.8
1031.8	47.5°	1025.3	1004.4	983.4	965.6	948.0	936.1	948.0	965.6	983.4	1004.4
999.9	50°	999.6	982.8	966.0	949.7	933.3	921.9	933.3	949.7	966.0	982.8
978.8	52.5°	982.3	968.6	954.9	940.3	925.6	915.1	925.6	940.3	954.9	968.6
961.2	55°	966.0	954.1	942.2	929.4	916.5	907.0	916.5	929.4	942.2	954.1
943.9	57.5°	948.9	936.8	924.8	912.0	899.2	889.4	899.2	912.0	924.8	936.8
919.5	60°	925.0	913.2	901.5	888.3	875.2	865.1	875.2	888.3	901.5	913.2
881.6	62.5°	886.9	876.2	865.6	851.8	838.0	825.8	838.0	851.8	865.6	876.2
830.1	65°	835.4	825.2	815.0	801.6	788.2	777.7	788.2	801.6	815.0	825.2
771.6	67.5°	776.7	767.3	758.0	745.5	733.1	723.6	733.1	745.5	758.0	767.3
709.0	70°	714.0	706.3	698.7	686.8	674.9	664.0	674.9	686.8	698.7	706.3
639.0	72.5°	644.9	638.6	632.2	620.8	609.5	599.0	609.5	620.8	632.2	638.6
556.4	75°	562.6	559.5	556.4	546.9	537.3	527.3	537.3	546.9	556.4	559.5
476.9	77.5°	482.8	478.4	474.0	464.3	454.7	446.7	454.7	464.3	474.0	478.4
384.9	80°	392.6	390.7	388.9	375.9	362.9	347.9	362.9	375.9	388.9	390.7
280.0	82.5°	293.1	292.3	291.4	280.5	269.5	259.9	269.5	280.5	291.4	292.3
169.9	85°	186.1	184.8	183.4	174.9	166.4	157.7	166.4	174.9	183.4	184.8
74.1	87.5°	80.7	79.1	77.3	73.0	68.5	64.3	68.5	73.0	77.3	79.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1764.0	0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
1626.6	2.5°	1633.0	1639.4	1647.4	1655.3	1665.5	1675.8	1686.1	1696.3	1707.9	1719.6
1527.6	5°	1536.5	1545.3	1558.1	1570.7	1587.2	1603.7	1621.8	1640.0	1660.5	1681.0
1468.0	7.5°	1478.6	1489.1	1504.2	1519.3	1539.4	1559.5	1582.4	1605.2	1632.3	1659.4
1450.0	10°	1461.9	1473.7	1491.8	1509.8	1532.5	1555.1	1579.8	1604.4	1631.4	1658.5
1476.6	12.5°	1491.9	1507.1	1530.1	1553.1	1576.5	1600.0	1619.2	1638.6	1656.5	1674.5
1531.7	15°	1554.8	1578.0	1610.7	1643.5	1663.8	1684.2	1689.2	1694.2	1691.8	1689.4
1584.6	17.5°	1618.7	1652.8	1696.2	1739.6	1756.0	1772.4	1756.8	1741.1	1711.6	1682.1
1616.7	20°	1658.5	1700.3	1749.9	1799.5	1807.1	1814.7	1781.9	1749.1	1697.8	1646.5
1617.9	22.5°	1661.0	1704.1	1751.4	1798.8	1794.3	1789.7	1747.0	1704.3	1645.6	1587.2
1585.1	25°	1623.3	1661.6	1700.4	1739.3	1723.6	1707.9	1665.9	1623.8	1571.2	1518.6
1521.0	27.5°	1550.7	1580.4	1608.0	1635.7	1618.2	1600.7	1567.0	1533.3	1490.1	1446.8
1441.9	30°	1463.3	1484.5	1505.7	1526.7	1512.5	1498.3	1470.3	1442.3	1406.4	1370.6
1362.6	32.5°	1379.6	1396.5	1416.0	1435.3	1419.5	1403.7	1376.9	1350.0	1321.3	1292.7
1292.5	35°	1308.1	1323.9	1337.6	1351.4	1332.4	1313.5	1286.9	1260.4	1238.6	1216.7
1232.9	37.5°	1247.4	1261.8	1268.2	1274.6	1251.2	1227.7	1201.2	1174.7	1159.1	1143.4
1178.3	40°	1190.6	1202.8	1201.3	1199.8	1172.8	1145.8	1120.2	1094.7	1083.4	1072.0
1123.0	42.5°	1133.2	1143.6	1135.8	1128.0	1098.9	1069.8	1045.5	1021.3	1012.0	1002.8
1068.5	45°	1077.7	1087.1	1075.9	1064.7	1034.5	1004.4	981.3	958.3	950.5	942.8
1025.3	47.5°	1031.8	1038.3	1025.5	1012.6	982.8	953.1	930.6	908.0	900.8	893.5
999.6	50°	999.9	1000.3	983.8	967.3	940.6	913.9	892.7	871.5	860.0	848.7
982.3	52.5°	978.8	975.3	955.7	936.1	911.2	886.4	867.0	847.5	830.4	813.3
966.0	55°	961.2	956.3	935.5	914.8	893.1	871.3	850.3	829.3	805.1	780.8
948.9	57.5°	943.9	939.0	918.1	897.2	875.6	854.1	829.5	804.8	778.7	752.6
925.0	60°	919.5	914.1	893.1	872.2	850.2	828.4	800.1	771.8	748.9	726.0
886.9	62.5°	881.6	876.4	857.2	838.0	814.6	791.3	758.2	725.3	710.7	696.2
835.4	65°	830.1	824.8	807.9	790.9	768.6	746.3	710.9	675.5	670.0	664.4
776.7	67.5°	771.6	766.4	751.7	737.1	716.0	694.8	662.1	629.5	631.3	633.0
714.0	70°	709.0	704.0	690.8	677.6	659.3	641.0	612.3	583.6	589.7	595.8
644.9	72.5°	639.0	633.0	620.1	607.2	590.6	574.1	551.6	529.0	537.9	546.8
562.6	75°	556.4	550.2	538.4	526.6	511.7	496.7	479.9	463.1	471.7	480.2
482.8	77.5°	476.9	471.1	458.8	446.4	433.5	420.7	407.1	393.4	402.1	410.7
392.6	80°	384.9	377.2	367.8	358.4	347.6	336.7	325.4	314.1	321.4	328.6
293.1	82.5°	280.0	266.8	246.8	226.8	230.5	234.3	235.3	236.2	241.4	246.5
186.1	85°	169.9	153.7	134.8	116.1	126.6	137.1	142.0	146.9	152.6	158.4
80.7	87.5°	74.1	67.6	59.6	51.8	59.8	67.8	68.0	68.2	69.3	70.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1764.0	0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
1732.6	2.5°	1745.5	1761.6	1776.0	1790.9	1805.8	1821.4	1836.9	1852.4	1867.9	1882.4
1705.6	5°	1730.1	1758.2	1786.6	1816.8	1846.9	1879.1	1911.4	1943.4	1975.5	2007.6
1691.9	7.5°	1724.6	1760.9	1799.7	1841.7	1883.8	1931.5	1979.2	2028.2	2077.2	2130.2
1692.9	10°	1727.3	1766.3	1814.2	1864.0	1913.7	1971.7	2029.6	2094.3	2159.1	2226.2
1702.5	12.5°	1730.7	1767.0	1817.3	1873.5	1929.8	1998.2	2066.5	2139.9	2213.3	2286.9
1702.8	15°	1716.2	1745.3	1801.1	1866.2	1931.3	2010.0	2088.7	2168.3	2247.9	2324.8
1677.2	17.5°	1672.2	1690.2	1755.7	1834.0	1912.3	2003.7	2095.1	2181.9	2268.8	2346.7
1623.5	20°	1600.5	1605.2	1681.5	1778.6	1875.6	1986.4	2097.1	2192.6	2288.0	2369.0
1553.1	22.5°	1519.1	1509.8	1596.6	1713.5	1830.4	1965.1	2099.8	2206.9	2313.9	2396.7
1479.3	25°	1440.1	1415.0	1504.0	1640.9	1777.8	1944.1	2110.5	2232.9	2355.2	2436.2
1408.9	27.5°	1371.0	1340.6	1421.6	1574.5	1727.4	1930.1	2132.9	2273.5	2414.1	2491.5
1340.4	30°	1310.3	1286.4	1354.4	1519.0	1683.5	1923.6	2163.5	2326.1	2488.8	2563.4
1274.9	32.5°	1257.1	1246.5	1301.3	1471.1	1640.9	1915.4	2189.9	2381.0	2572.2	2646.1
1211.8	35°	1206.9	1211.3	1257.0	1424.1	1591.2	1900.1	2209.2	2443.6	2677.9	2748.8
1148.8	37.5°	1154.2	1170.3	1210.3	1368.7	1527.2	1874.0	2220.7	2513.6	2806.5	2896.8
1084.3	40°	1096.6	1121.3	1157.5	1302.7	1447.9	1837.9	2228.0	2602.6	2977.1	3108.7
1019.0	42.5°	1035.3	1066.4	1099.8	1229.8	1359.7	1800.6	2241.7	2718.9	3196.1	3386.0
958.5	45°	974.4	1004.5	1038.3	1152.3	1266.3	1766.1	2265.9	2872.0	3478.2	3734.4
906.8	47.5°	920.0	945.9	989.6	1091.1	1192.5	1737.5	2282.5	3035.1	3787.8	4148.5
860.4	50°	872.2	902.3	959.7	1050.4	1141.1	1706.4	2271.6	3186.5	4101.4	4645.1
824.9	52.5°	836.5	878.6	944.6	1023.6	1102.6	1653.8	2205.0	3284.8	4364.5	5166.7
799.1	55°	817.5	881.0	942.4	1004.2	1066.0	1566.6	2067.2	3263.1	4459.0	5629.1
779.4	57.5°	806.2	883.3	937.5	981.1	1024.8	1443.7	1862.4	3110.7	4359.0	5956.9
760.8	60°	795.5	875.9	911.6	945.9	980.3	1284.0	1587.8	2827.0	4066.2	6038.8
739.6	62.5°	783.0	857.6	862.0	884.8	907.6	1093.0	1278.5	2443.4	3608.3	5693.9
710.6	65°	756.8	813.6	813.1	823.8	834.6	921.2	1007.7	2052.0	3096.4	5205.9
671.5	67.5°	709.9	741.9	743.4	737.4	731.4	756.0	780.6	1668.7	2556.7	4625.2
623.1	70°	650.5	661.0	661.0	633.2	605.3	598.3	591.3	1313.8	2036.4	3991.6
565.5	72.5°	584.3	584.2	577.5	538.1	498.5	477.3	456.1	1004.4	1552.8	3304.7
494.7	75°	509.2	511.7	481.1	436.9	392.6	373.4	354.1	729.0	1103.9	2517.3
422.3	77.5°	433.9	435.2	384.8	341.8	298.8	285.7	272.6	494.0	715.3	1761.9
338.4	80°	348.1	348.3	288.0	251.7	215.2	209.8	204.4	318.3	432.2	1135.1
251.3	82.5°	256.0	253.2	201.7	174.9	148.1	147.0	146.1	195.8	245.6	657.0
163.5	85°	168.5	164.8	126.6	106.9	87.3	87.9	88.3	104.6	121.0	295.5
72.4	87.5°	74.5	69.7	53.8	45.8	37.8	38.2	38.7	43.4	48.1	96.8
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°
1764.0	0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
1897.0	2.5°	1904.1	1911.4	1921.6	1931.8	1937.9	1944.0	1947.1	1950.1	1948.7	1950.1
2039.8	5°	2064.9	2090.1	2115.0	2140.0	2153.5	2167.0	2175.2	2183.5	2189.7	2183.5
2183.3	7.5°	2224.2	2265.0	2301.7	2338.5	2360.6	2382.8	2394.7	2406.7	2412.4	2406.7
2293.3	10°	2341.6	2389.9	2433.1	2476.2	2502.3	2528.3	2539.9	2551.5	2555.9	2551.5
2360.6	12.5°	2413.0	2465.3	2504.3	2543.2	2562.1	2581.1	2587.5	2593.8	2594.5	2593.8
2401.6	15°	2446.8	2491.9	2516.4	2540.9	2541.6	2542.2	2535.5	2528.7	2520.7	2528.7
2424.6	17.5°	2455.1	2485.7	2486.1	2486.5	2459.1	2431.7	2406.6	2381.4	2363.7	2381.4
2450.0	20°	2460.6	2471.3	2439.2	2407.0	2346.5	2286.0	2241.9	2197.8	2170.8	2197.8
2479.4	22.5°	2465.5	2451.5	2384.9	2318.3	2229.3	2140.3	2085.2	2030.1	2000.2	2030.1
2517.3	25°	2473.3	2429.3	2328.2	2227.1	2119.0	2010.9	1952.9	1895.1	1866.8	1895.1
2568.8	27.5°	2490.1	2411.4	2277.4	2143.6	2023.7	1903.9	1846.9	1790.0	1763.3	1790.0
2638.2	30°	2520.9	2403.6	2238.7	2073.8	1949.0	1824.2	1771.3	1718.5	1693.6	1718.5
2720.1	32.5°	2559.4	2398.9	2212.3	2025.8	1908.5	1791.2	1749.7	1708.1	1690.2	1708.1
2819.6	35°	2623.0	2426.5	2232.1	2037.8	1956.3	1874.8	1865.2	1855.5	1854.0	1855.5
2987.1	37.5°	2755.9	2524.6	2348.0	2171.3	2166.0	2160.8	2205.0	2249.3	2272.3	2249.3
3240.2	40°	2988.8	2737.3	2605.9	2474.6	2567.3	2660.0	2767.6	2875.3	2928.9	2875.3
3576.0	42.5°	3326.5	3077.0	3001.3	2925.6	3127.9	3330.1	3525.9	3721.6	3836.6	3721.6
3990.6	45°	3766.5	3542.3	3508.9	3475.5	3799.5	4123.6	4445.2	4767.0	4962.2	4767.0
4509.1	47.5°	4291.0	4072.9	4066.2	4059.4	4526.9	4994.2	5465.1	5935.9	6212.4	5935.9
5188.7	50°	4919.3	4650.1	4651.2	4652.4	5254.8	5857.2	6478.8	7100.4	7476.2	7100.4
5968.8	52.5°	5642.6	5316.6	5283.6	5250.6	5970.2	6689.8	7458.9	8227.9	8678.3	8227.9
6799.3	55°	6477.1	6154.9	6026.4	5897.8	6698.7	7499.5	8416.4	9333.2	9869.0	9333.2
7554.7	57.5°	7379.3	7203.7	6945.9	6688.2	7496.8	8305.5	9344.0	10382.4	11046.8	10382.4
8011.3	60°	8283.8	8556.4	8236.2	7916.0	8681.3	9446.6	10558.4	11670.3	12388.3	11670.3
7779.4	62.5°	8524.1	9268.7	9232.6	9196.5	9897.5	10598.7	11656.5	12714.3	13377.9	12714.3
7315.4	65°	8014.3	8713.2	8851.5	8989.7	9880.6	10771.6	11797.3	12823.0	13388.1	12823.0
6693.7	67.5°	7358.4	8023.1	8088.0	8152.7	9081.0	10009.2	11039.4	12069.5	12512.2	12069.5
5946.8	70°	6669.7	7392.8	7421.8	7450.8	8280.9	9111.0	9997.5	10884.0	11130.0	10884.0
5056.7	72.5°	5886.3	6716.0	6736.9	6757.7	7407.1	8056.6	8720.6	9384.5	9409.4	9384.5
3930.7	75°	4789.4	5648.1	5725.2	5802.3	6307.5	6812.8	7280.2	7747.6	7622.4	7747.6
2808.4	77.5°	3610.0	4411.6	4521.9	4632.3	5016.4	5400.5	5732.0	6063.5	5848.3	6063.5
1838.1	80°	2512.5	3186.8	3323.9	3461.0	3751.2	4041.1	4215.2	4389.3	4043.0	4389.3
1068.5	82.5°	1529.5	1990.6	2143.8	2297.0	2496.7	2696.4	2769.0	2841.6	2569.5	2841.6
470.1	85°	714.8	959.5	1089.8	1220.1	1384.2	1548.2	1589.4	1630.6	1412.7	1630.6
145.5	87.5°	227.8	310.0	382.7	455.4	537.4	619.5	623.0	626.5	525.9	626.5
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°
1764.0	0°	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0	1764.0
1947.1	2.5°	1944.0	1937.9	1931.8	1921.6	1911.4	1904.1	1897.0
2175.2	5°	2167.0	2153.5	2140.0	2115.0	2090.1	2064.9	2039.8
2394.7	7.5°	2382.8	2360.6	2338.5	2301.7	2265.0	2224.2	2183.3
2539.9	10°	2528.3	2502.3	2476.2	2433.1	2389.9	2341.6	2293.3
2587.5	12.5°	2581.1	2562.1	2543.2	2504.3	2465.3	2413.0	2360.6
2535.5	15°	2542.2	2541.6	2540.9	2516.4	2491.9	2446.8	2401.6
2406.6	17.5°	2431.7	2459.1	2486.5	2486.1	2485.7	2455.1	2424.6
2241.9	20°	2286.0	2346.5	2407.0	2439.2	2471.3	2460.6	2450.0
2085.2	22.5°	2140.3	2229.3	2318.3	2384.9	2451.5	2465.5	2479.4
1952.9	25°	2010.9	2119.0	2227.1	2328.2	2429.3	2473.3	2517.3
1846.9	27.5°	1903.9	2023.7	2143.6	2277.4	2411.4	2490.1	2568.8
1771.3	30°	1824.2	1949.0	2073.8	2238.7	2403.6	2520.9	2638.2
1749.7	32.5°	1791.2	1908.5	2025.8	2212.3	2398.9	2559.4	2720.1
1865.2	35°	1874.8	1956.3	2037.8	2232.1	2426.5	2623.0	2819.6
2205.0	37.5°	2160.8	2166.0	2171.3	2348.0	2524.6	2755.9	2987.1
2767.6	40°	2660.0	2567.3	2474.6	2605.9	2737.3	2988.8	3240.2
3525.9	42.5°	3330.1	3127.9	2925.6	3001.3	3077.0	3326.5	3576.0
4445.2	45°	4123.6	3799.5	3475.5	3508.9	3542.3	3766.5	3990.6
5465.1	47.5°	4994.2	4526.9	4059.4	4066.2	4072.9	4291.0	4509.1
6478.8	50°	5857.2	5254.8	4652.4	4651.2	4650.1	4919.3	5188.7
7458.9	52.5°	6689.8	5970.2	5250.6	5283.6	5316.6	5642.6	5968.8
8416.4	55°	7499.5	6698.7	5897.8	6026.4	6154.9	6477.1	6799.3
9344.0	57.5°	8305.5	7496.8	6688.2	6945.9	7203.7	7379.3	7554.7
10558.4	60°	9446.6	8681.3	7916.0	8236.2	8556.4	8283.8	8011.3
11656.5	62.5°	10598.7	9897.5	9196.5	9232.6	9268.7	8524.1	7779.4
11797.3	65°	10771.6	9880.6	8989.7	8851.5	8713.2	8014.3	7315.4
11039.4	67.5°	10009.2	9081.0	8152.7	8088.0	8023.1	7358.4	6693.7
9997.5	70°	9111.0	8280.9	7450.8	7421.8	7392.8	6669.7	5946.8
8720.6	72.5°	8056.6	7407.1	6757.7	6736.9	6716.0	5886.3	5056.7
7280.2	75°	6812.8	6307.5	5802.3	5725.2	5648.1	4789.4	3930.7
5732.0	77.5°	5400.5	5016.4	4632.3	4521.9	4411.6	3610.0	2808.4
4215.2	80°	4041.1	3751.2	3461.0	3323.9	3186.8	2512.5	1838.1
2769.0	82.5°	2696.4	2496.7	2297.0	2143.8	1990.6	1529.5	1068.5
1589.4	85°	1548.2	1384.2	1220.1	1089.8	959.5	714.8	470.1
623.0	87.5°	619.5	537.4	455.4	382.7	310.0	227.8	145.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)