

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: P946711

Luminaire Tested: **GALN-SB2B-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946711
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-SB2B-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11871 lumens
Efficiency: N/A
Efficacy: 160.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

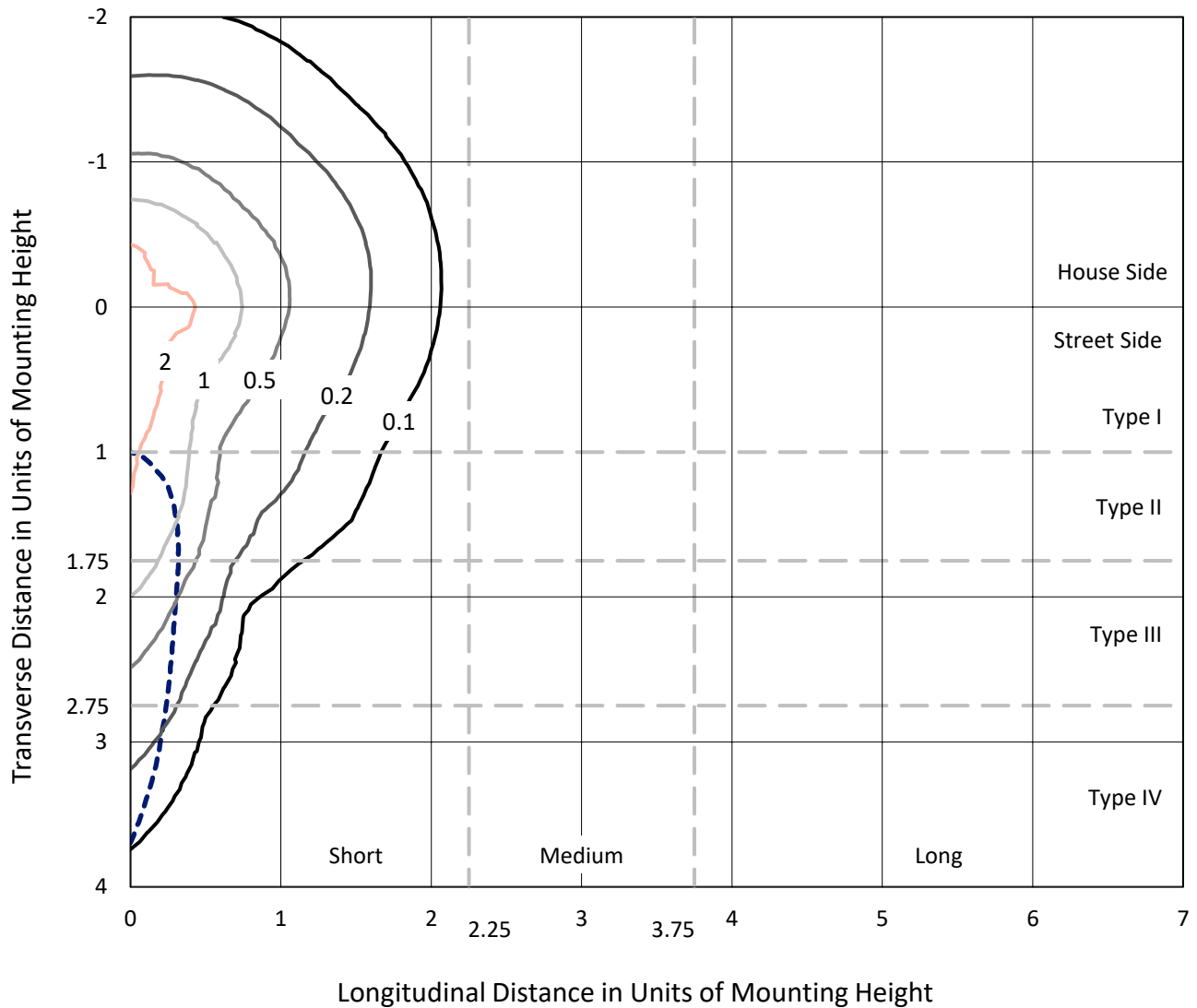
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

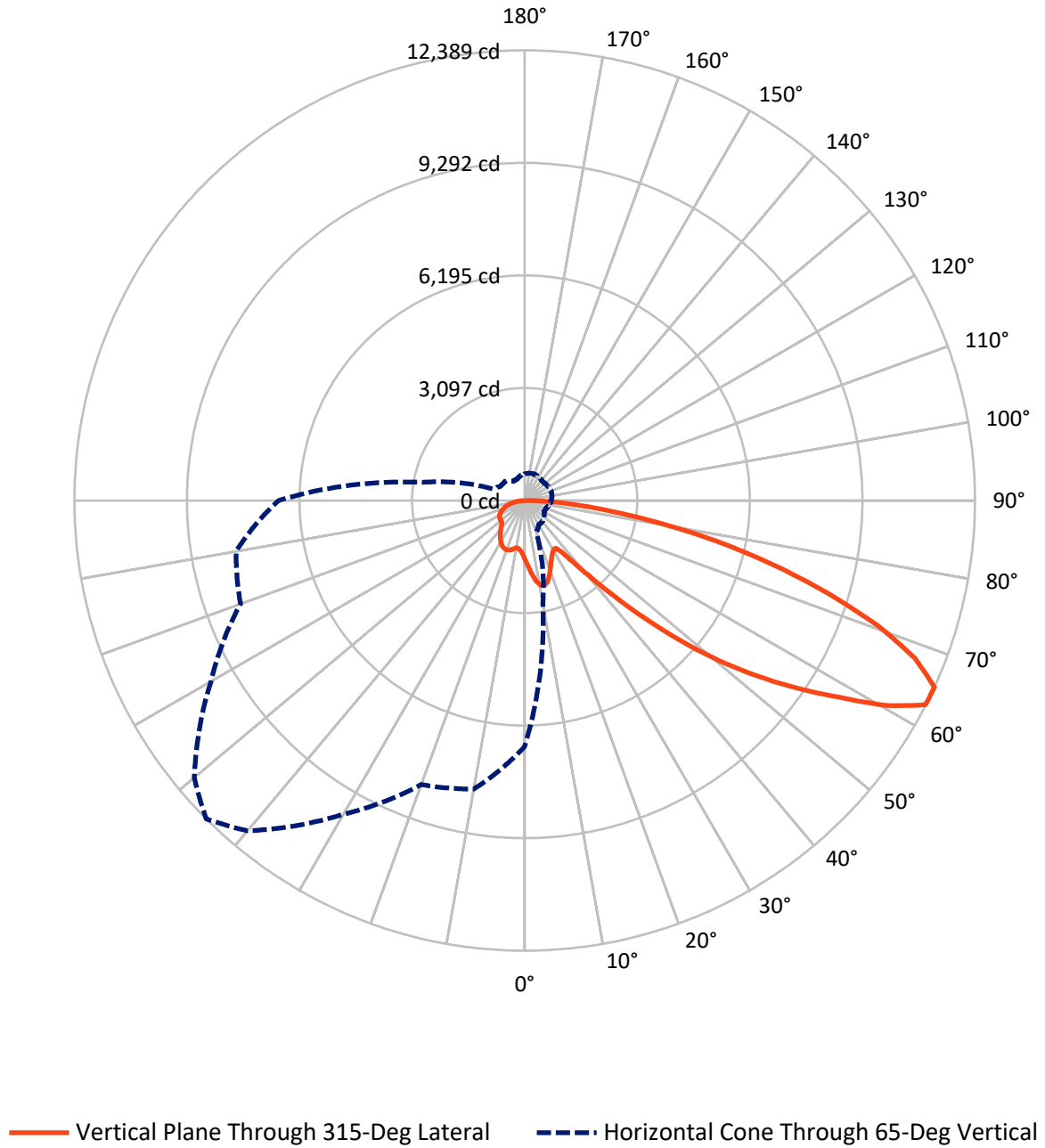
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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	3017.0	0.0	3017.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8854.0	0.0	8854.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	11871.0	0.0	11871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.9	1.4
10°-20°	508.3	4.3
20°-30°	785.2	6.6
30°-40°	995.0	8.4
40°-50°	1500.8	12.6
50°-60°	2424.7	20.4
60°-70°	3022.8	25.5
70°-80°	1982.2	16.7
80°-90°	490.1	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°	11871.0	100.0
0°-180°	11871.0	100.0

Coefficient of Utilization



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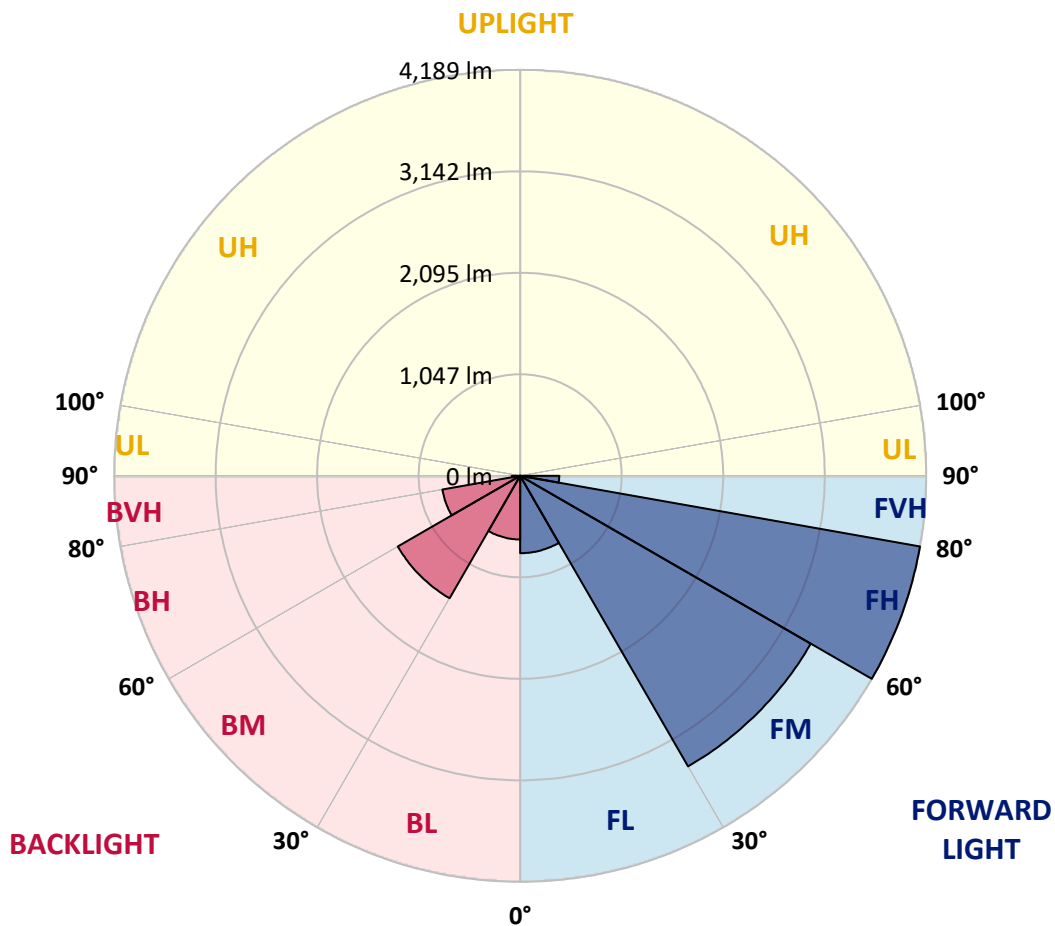
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.5	6.7			
FM (30°-60°)	3462.5	29.2			
FH (60°-80°)	4189.3	35.3			G2/5000
FVH (80°-90°)	403.7	3.4			G3/500
BL (0°-30°)	657.0	5.5	B2/1000		
BM (30°-60°)	1458.0	12.3	B2/2500		
BH (60°-80°)	815.7	6.9	B2/1000		G2/1000
BVH (80°-90°)	86.4	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°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
2.5°	1755.4	1742.0	1728.5	1714.2	1699.9	1685.5	1671.1	1657.3	1643.5	1630.2
5°	1887.6	1857.9	1828.1	1798.4	1768.8	1738.9	1709.1	1681.2	1653.3	1627.0
7.5°	2020.4	1971.3	1922.3	1876.9	1831.6	1787.4	1743.2	1704.3	1665.4	1629.5
10°	2122.2	2060.1	1998.0	1938.1	1878.2	1824.6	1770.9	1724.9	1678.8	1634.6
12.5°	2184.5	2116.3	2048.2	1980.3	1912.4	1849.1	1785.8	1733.8	1681.7	1635.2
15°	2222.4	2151.3	2080.2	2006.6	1932.9	1860.1	1787.2	1726.9	1666.7	1615.1
17.5°	2243.7	2171.6	2099.5	2019.2	1938.8	1854.2	1769.7	1697.2	1624.7	1564.1
20°	2267.2	2192.3	2117.3	2029.0	1940.7	1838.2	1735.7	1645.9	1556.1	1485.5
22.5°	2294.5	2217.9	2141.3	2042.3	1943.2	1818.5	1693.9	1585.7	1477.5	1397.2
25°	2329.5	2254.5	2179.5	2066.3	1953.1	1799.1	1645.2	1518.5	1391.8	1309.5
27.5°	2377.1	2305.6	2234.0	2103.9	1973.7	1786.1	1598.5	1457.0	1315.5	1240.6
30°	2441.3	2372.2	2303.1	2152.6	2002.1	1780.1	1557.9	1405.7	1253.4	1190.4
32.5°	2517.1	2448.7	2380.3	2203.4	2026.5	1772.6	1518.5	1361.4	1204.2	1153.5
35°	2609.2	2543.7	2478.1	2261.3	2044.4	1758.4	1472.5	1317.9	1163.2	1120.9
37.5°	2764.2	2680.7	2597.1	2326.1	2055.1	1734.2	1413.3	1266.6	1120.0	1083.0
40°	2998.5	2876.7	2755.0	2408.4	2061.8	1700.8	1339.8	1205.5	1071.1	1037.6
42.5°	3309.2	3133.4	2957.7	2516.1	2074.5	1666.3	1258.3	1138.0	1017.8	986.9
45°	3692.9	3455.8	3218.7	2657.8	2096.8	1634.3	1171.8	1066.4	960.9	929.6
47.5°	4172.7	3839.0	3505.3	2808.7	2112.2	1607.9	1103.6	1009.7	915.8	875.4
50°	4801.6	4298.5	3795.4	2948.8	2102.2	1579.1	1056.0	972.0	888.1	835.0
52.5°	5523.5	4781.2	4038.9	3039.7	2040.5	1530.4	1020.4	947.2	874.1	813.1
55°	6292.1	5209.2	4126.3	3019.7	1913.0	1449.7	986.4	929.2	872.1	815.2
57.5°	6991.1	5512.5	4033.8	2878.6	1723.5	1336.0	948.4	907.9	867.5	817.4
60°	7413.6	5588.2	3762.8	2616.1	1469.4	1188.3	907.1	875.4	843.6	810.5
62.5°	7199.1	5269.1	3339.1	2261.1	1183.1	1011.5	839.9	818.8	797.7	793.6
65°	6769.7	4817.5	2865.4	1899.0	932.6	852.5	772.3	762.4	752.4	752.9
67.5°	6194.3	4280.2	2366.0	1544.2	722.3	699.6	676.8	682.4	687.9	686.5
70°	5503.1	3693.8	1884.5	1215.8	547.1	553.7	560.1	585.9	611.7	611.7
72.5°	4679.4	3058.1	1436.9	929.5	422.1	441.7	461.3	497.9	534.4	540.6
75°	3637.4	2329.5	1021.5	674.6	327.7	345.5	363.3	404.3	445.2	473.5
77.5°	2598.9	1630.4	662.0	457.1	252.3	264.4	276.5	316.3	356.1	402.8
80°	1701.0	1050.5	399.9	294.5	189.2	194.2	199.2	232.9	266.5	322.3
82.5°	988.8	608.0	227.3	181.2	135.2	136.1	137.1	161.9	186.7	234.3
85°	435.0	273.5	112.0	96.8	81.7	81.3	80.8	99.0	117.1	152.5
87.5°	134.7	89.6	44.5	40.2	35.8	35.4	35.0	42.3	49.8	64.5
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°
1632.4	0°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
1615.3	2.5°	1603.3	1591.3	1580.5	1569.7	1560.3	1550.8	1541.3	1531.8	1524.5	1517.1
1601.0	5°	1578.4	1555.6	1536.6	1517.6	1500.8	1484.0	1468.8	1453.5	1441.8	1430.0
1595.9	7.5°	1565.7	1535.6	1510.5	1485.5	1464.4	1443.2	1424.5	1405.9	1392.0	1378.1
1598.4	10°	1566.6	1534.8	1509.7	1484.7	1461.9	1439.1	1418.1	1397.2	1380.5	1363.8
1601.5	12.5°	1575.5	1549.6	1532.9	1516.4	1498.4	1480.7	1458.9	1437.2	1415.9	1394.7
1588.2	15°	1575.7	1563.3	1565.6	1567.8	1563.2	1558.6	1539.7	1520.9	1490.6	1460.2
1547.5	17.5°	1552.1	1556.6	1583.9	1611.2	1625.7	1640.2	1625.0	1609.8	1569.7	1529.5
1481.1	20°	1502.4	1523.7	1571.1	1618.6	1649.0	1679.3	1672.3	1665.3	1619.3	1573.5
1405.7	22.5°	1437.2	1468.8	1522.9	1577.1	1616.6	1656.2	1660.4	1664.6	1620.8	1576.9
1332.6	25°	1369.0	1405.3	1454.0	1502.7	1541.6	1580.5	1595.0	1609.5	1573.5	1537.7
1268.7	27.5°	1303.8	1338.9	1378.9	1418.9	1450.1	1481.3	1497.4	1513.7	1488.0	1462.5
1212.6	30°	1240.4	1268.3	1301.5	1334.7	1360.6	1386.5	1399.7	1412.8	1393.3	1373.8
1163.3	32.5°	1179.8	1196.3	1222.8	1249.3	1274.1	1299.0	1313.6	1328.3	1310.3	1292.4
1116.8	35°	1121.4	1125.9	1146.2	1166.3	1190.9	1215.5	1233.0	1250.6	1237.8	1225.1
1068.1	37.5°	1063.1	1058.1	1072.6	1087.1	1111.6	1136.1	1157.8	1179.5	1173.6	1167.7
1014.7	40°	1003.4	992.1	1002.5	1013.0	1036.7	1060.3	1085.3	1110.3	1111.7	1113.1
958.1	42.5°	943.0	928.0	936.5	945.1	967.5	990.0	1016.9	1043.9	1051.1	1058.3
901.7	45°	887.0	872.4	879.6	886.8	908.1	929.4	957.4	985.3	995.6	1006.0
851.4	47.5°	839.1	826.8	833.6	840.3	861.2	882.0	909.5	937.1	949.0	960.9
807.1	50°	796.2	785.4	795.9	806.5	826.1	845.7	870.4	895.1	910.4	925.7
774.1	52.5°	763.3	752.6	768.5	784.2	802.3	820.3	843.2	866.3	884.4	902.5
756.6	55°	739.5	722.5	745.0	767.4	786.9	806.3	826.5	846.6	865.7	885.0
746.0	57.5°	721.2	696.4	720.6	744.8	767.6	790.4	810.3	830.3	849.6	868.9
736.1	60°	704.0	671.8	693.0	714.2	740.4	766.6	786.8	807.1	826.5	845.9
724.6	62.5°	684.4	644.2	657.7	671.2	701.7	732.2	753.9	775.5	793.3	811.0
700.3	65°	657.6	614.8	620.0	625.1	657.8	690.6	711.3	731.9	747.6	763.3
657.0	67.5°	621.4	585.8	584.2	582.5	612.7	643.0	662.6	682.1	695.7	709.2
602.0	70°	576.7	551.3	545.7	540.1	566.6	593.2	610.1	627.0	639.2	651.4
540.7	72.5°	523.3	506.0	497.7	489.5	510.4	531.3	546.6	561.9	573.8	585.8
471.2	75°	457.8	444.4	436.5	428.6	444.1	459.6	473.5	487.3	498.2	509.1
401.5	77.5°	390.8	380.1	372.1	364.1	376.7	389.3	401.2	413.1	424.6	436.0
322.1	80°	313.1	304.1	297.4	290.6	301.2	311.6	321.6	331.7	340.4	349.0
236.9	82.5°	232.5	228.1	223.4	218.6	217.7	216.9	213.3	209.8	228.4	246.9
156.0	85°	151.3	146.6	141.3	135.9	131.4	126.8	117.1	107.4	124.8	142.2
68.9	87.5°	67.0	65.1	64.1	63.1	63.0	62.8	55.4	47.9	55.2	62.5
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°
1632.4	0°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
1511.2	2.5°	1505.2	1500.6	1495.9	1491.7	1487.4	1482.0	1487.4	1491.7	1495.9	1500.6
1421.8	5°	1413.6	1407.8	1402.0	1397.5	1393.1	1388.7	1393.1	1397.5	1402.0	1407.8
1368.3	7.5°	1358.5	1351.8	1345.2	1341.2	1337.2	1334.2	1337.2	1341.2	1345.2	1351.8
1352.9	10°	1341.8	1335.5	1329.2	1325.8	1322.4	1321.1	1322.4	1325.8	1329.2	1335.5
1380.6	12.5°	1366.5	1359.4	1352.4	1349.5	1346.6	1346.1	1346.6	1349.5	1352.4	1359.4
1438.8	15°	1417.4	1407.6	1397.8	1394.0	1390.3	1390.0	1390.3	1394.0	1397.8	1407.6
1497.9	17.5°	1466.4	1451.8	1437.2	1432.5	1427.7	1426.9	1427.7	1432.5	1437.2	1451.8
1534.8	20°	1496.1	1477.5	1458.9	1452.9	1447.0	1445.1	1447.0	1452.9	1458.9	1477.5
1537.1	22.5°	1497.2	1477.6	1457.9	1451.3	1444.8	1441.9	1444.8	1451.3	1457.9	1477.6
1502.2	25°	1466.9	1449.8	1432.9	1426.7	1420.5	1416.9	1420.5	1426.7	1432.9	1449.8
1435.0	27.5°	1407.5	1396.1	1384.6	1381.8	1379.0	1378.1	1379.0	1381.8	1384.6	1396.1
1354.1	30°	1334.3	1328.5	1322.6	1322.6	1322.6	1323.6	1322.6	1322.6	1322.6	1328.5
1276.6	32.5°	1260.9	1257.1	1253.3	1253.8	1254.3	1255.3	1254.3	1253.8	1253.3	1257.1
1210.6	35°	1196.1	1190.3	1184.5	1183.2	1182.0	1181.4	1182.0	1183.2	1184.5	1190.3
1154.4	37.5°	1141.0	1130.4	1119.9	1114.3	1108.7	1105.6	1108.7	1114.3	1119.9	1130.4
1101.8	40°	1090.4	1075.0	1059.7	1049.3	1039.1	1032.9	1039.1	1049.3	1059.7	1075.0
1048.7	42.5°	1039.2	1020.1	1001.0	985.9	970.8	960.9	970.8	985.9	1001.0	1020.1
997.3	45°	988.8	966.9	945.1	927.4	909.6	898.2	909.6	927.4	945.1	966.9
954.9	47.5°	948.9	929.4	910.0	893.6	877.3	866.3	877.3	893.6	910.0	929.4
925.3	50°	925.0	909.5	894.0	878.8	863.7	853.1	863.7	878.8	894.0	909.5
905.8	52.5°	909.0	896.4	883.7	870.1	856.6	846.9	856.6	870.1	883.7	896.4
889.5	55°	894.0	883.0	871.9	860.0	848.1	839.4	848.1	860.0	871.9	883.0
873.5	57.5°	878.1	866.9	855.8	844.0	832.2	823.1	832.2	844.0	855.8	866.9
850.9	60°	856.0	845.1	834.2	822.1	809.9	800.5	809.9	822.1	834.2	845.1
815.9	62.5°	820.7	810.9	801.0	788.2	775.5	764.2	775.5	788.2	801.0	810.9
768.2	65°	773.1	763.6	754.2	741.8	729.4	719.7	729.4	741.8	754.2	763.6
714.0	67.5°	718.8	710.1	701.4	689.9	678.4	669.6	678.4	689.9	701.4	710.1
656.1	70°	660.7	653.6	646.6	635.5	624.5	614.5	624.5	635.5	646.6	653.6
591.3	72.5°	596.8	590.9	585.0	574.5	564.1	554.4	564.1	574.5	585.0	590.9
514.9	75°	520.7	517.8	514.9	506.1	497.2	488.0	497.2	506.1	514.9	517.8
441.4	77.5°	446.7	442.7	438.6	429.7	420.8	413.4	420.8	429.7	438.6	442.7
356.2	80°	363.3	361.6	359.9	347.9	335.9	322.0	335.9	347.9	359.9	361.6
259.1	82.5°	271.2	270.5	269.7	259.6	249.4	240.5	249.4	259.6	269.7	270.5
157.2	85°	172.3	171.0	169.8	161.9	154.0	145.9	154.0	161.9	169.8	171.0
68.6	87.5°	74.7	73.2	71.5	67.5	63.4	59.5	63.4	67.5	71.5	73.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1632.4	0°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
1505.2	2.5°	1511.2	1517.1	1524.5	1531.8	1541.3	1550.8	1560.3	1569.7	1580.5	1591.3
1413.6	5°	1421.8	1430.0	1441.8	1453.5	1468.8	1484.0	1500.8	1517.6	1536.6	1555.6
1358.5	7.5°	1368.3	1378.1	1392.0	1405.9	1424.5	1443.2	1464.4	1485.5	1510.5	1535.6
1341.8	10°	1352.9	1363.8	1380.5	1397.2	1418.1	1439.1	1461.9	1484.7	1509.7	1534.8
1366.5	12.5°	1380.6	1394.7	1415.9	1437.2	1458.9	1480.7	1498.4	1516.4	1532.9	1549.6
1417.4	15°	1438.8	1460.2	1490.6	1520.9	1539.7	1558.6	1563.2	1567.8	1565.6	1563.3
1466.4	17.5°	1497.9	1529.5	1569.7	1609.8	1625.0	1640.2	1625.7	1611.2	1583.9	1556.6
1496.1	20°	1534.8	1573.5	1619.3	1665.3	1672.3	1679.3	1649.0	1618.6	1571.1	1523.7
1497.2	22.5°	1537.1	1576.9	1620.8	1664.6	1660.4	1656.2	1616.6	1577.1	1522.9	1468.8
1466.9	25°	1502.2	1537.7	1573.5	1609.5	1595.0	1580.5	1541.6	1502.7	1454.0	1405.3
1407.5	27.5°	1435.0	1462.5	1488.0	1513.7	1497.4	1481.3	1450.1	1418.9	1378.9	1338.9
1334.3	30°	1354.1	1373.8	1393.3	1412.8	1399.7	1386.5	1360.6	1334.7	1301.5	1268.3
1260.9	32.5°	1276.6	1292.4	1310.3	1328.3	1313.6	1299.0	1274.1	1249.3	1222.8	1196.3
1196.1	35°	1210.6	1225.1	1237.8	1250.6	1233.0	1215.5	1190.9	1166.3	1146.2	1125.9
1141.0	37.5°	1154.4	1167.7	1173.6	1179.5	1157.8	1136.1	1111.6	1087.1	1072.6	1058.1
1090.4	40°	1101.8	1113.1	1111.7	1110.3	1085.3	1060.3	1036.7	1013.0	1002.5	992.1
1039.2	42.5°	1048.7	1058.3	1051.1	1043.9	1016.9	990.0	967.5	945.1	936.5	928.0
988.8	45°	997.3	1006.0	995.6	985.3	957.4	929.4	908.1	886.8	879.6	872.4
948.9	47.5°	954.9	960.9	949.0	937.1	909.5	882.0	861.2	840.3	833.6	826.8
925.0	50°	925.3	925.7	910.4	895.1	870.4	845.7	826.1	806.5	795.9	785.4
909.0	52.5°	905.8	902.5	884.4	866.3	843.2	820.3	802.3	784.2	768.5	752.6
894.0	55°	889.5	885.0	865.7	846.6	826.5	806.3	786.9	767.4	745.0	722.5
878.1	57.5°	873.5	868.9	849.6	830.3	810.3	790.4	767.6	744.8	720.6	696.4
856.0	60°	850.9	845.9	826.5	807.1	786.8	766.6	740.4	714.2	693.0	671.8
820.7	62.5°	815.9	811.0	793.3	775.5	753.9	732.2	701.7	671.2	657.7	644.2
773.1	65°	768.2	763.3	747.6	731.9	711.3	690.6	657.8	625.1	620.0	614.8
718.8	67.5°	714.0	709.2	695.7	682.1	662.6	643.0	612.7	582.5	584.2	585.8
660.7	70°	656.1	651.4	639.2	627.0	610.1	593.2	566.6	540.1	545.7	551.3
596.8	72.5°	591.3	585.8	573.8	561.9	546.6	531.3	510.4	489.5	497.7	506.0
520.7	75°	514.9	509.1	498.2	487.3	473.5	459.6	444.1	428.6	436.5	444.4
446.7	77.5°	441.4	436.0	424.6	413.1	401.2	389.3	376.7	364.1	372.1	380.1
363.3	80°	356.2	349.0	340.4	331.7	321.6	311.6	301.2	290.6	297.4	304.1
271.2	82.5°	259.1	246.9	228.4	209.8	213.3	216.9	217.7	218.6	223.4	228.1
172.3	85°	157.2	142.2	124.8	107.4	117.1	126.8	131.4	135.9	141.3	146.6
74.7	87.5°	68.6	62.5	55.2	47.9	55.4	62.8	63.0	63.1	64.1	65.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1632.4	0°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
1603.3	2.5°	1615.3	1630.2	1643.5	1657.3	1671.1	1685.5	1699.9	1714.2	1728.5	1742.0
1578.4	5°	1601.0	1627.0	1653.3	1681.2	1709.1	1738.9	1768.8	1798.4	1828.1	1857.9
1565.7	7.5°	1595.9	1629.5	1665.4	1704.3	1743.2	1787.4	1831.6	1876.9	1922.3	1971.3
1566.6	10°	1598.4	1634.6	1678.8	1724.9	1770.9	1824.6	1878.2	1938.1	1998.0	2060.1
1575.5	12.5°	1601.5	1635.2	1681.7	1733.8	1785.8	1849.1	1912.4	1980.3	2048.2	2116.3
1575.7	15°	1588.2	1615.1	1666.7	1726.9	1787.2	1860.1	1932.9	2006.6	2080.2	2151.3
1552.1	17.5°	1547.5	1564.1	1624.7	1697.2	1769.7	1854.2	1938.8	2019.2	2099.5	2171.6
1502.4	20°	1481.1	1485.5	1556.1	1645.9	1735.7	1838.2	1940.7	2029.0	2117.3	2192.3
1437.2	22.5°	1405.7	1397.2	1477.5	1585.7	1693.9	1818.5	1943.2	2042.3	2141.3	2217.9
1369.0	25°	1332.6	1309.5	1391.8	1518.5	1645.2	1799.1	1953.1	2066.3	2179.5	2254.5
1303.8	27.5°	1268.7	1240.6	1315.5	1457.0	1598.5	1786.1	1973.7	2103.9	2234.0	2305.6
1240.4	30°	1212.6	1190.4	1253.4	1405.7	1557.9	1780.1	2002.1	2152.6	2303.1	2372.2
1179.8	32.5°	1163.3	1153.5	1204.2	1361.4	1518.5	1772.6	2026.5	2203.4	2380.3	2448.7
1121.4	35°	1116.8	1120.9	1163.2	1317.9	1472.5	1758.4	2044.4	2261.3	2478.1	2543.7
1063.1	37.5°	1068.1	1083.0	1120.0	1266.6	1413.3	1734.2	2055.1	2326.1	2597.1	2680.7
1003.4	40°	1014.7	1037.6	1071.1	1205.5	1339.8	1700.8	2061.8	2408.4	2755.0	2876.7
943.0	42.5°	958.1	986.9	1017.8	1138.0	1258.3	1666.3	2074.5	2516.1	2957.7	3133.4
887.0	45°	901.7	929.6	960.9	1066.4	1171.8	1634.3	2096.8	2657.8	3218.7	3455.8
839.1	47.5°	851.4	875.4	915.8	1009.7	1103.6	1607.9	2112.2	2808.7	3505.3	3839.0
796.2	50°	807.1	835.0	888.1	972.0	1056.0	1579.1	2102.2	2948.8	3795.4	4298.5
763.3	52.5°	774.1	813.1	874.1	947.2	1020.4	1530.4	2040.5	3039.7	4038.9	4781.2
739.5	55°	756.6	815.2	872.1	929.2	986.4	1449.7	1913.0	3019.7	4126.3	5209.2
721.2	57.5°	746.0	817.4	867.5	907.9	948.4	1336.0	1723.5	2878.6	4033.8	5512.5
704.0	60°	736.1	810.5	843.6	875.4	907.1	1188.3	1469.4	2616.1	3762.8	5588.2
684.4	62.5°	724.6	793.6	797.7	818.8	839.9	1011.5	1183.1	2261.1	3339.1	5269.1
657.6	65°	700.3	752.9	752.4	762.4	772.3	852.5	932.6	1899.0	2865.4	4817.5
621.4	67.5°	657.0	686.5	687.9	682.4	676.8	699.6	722.3	1544.2	2366.0	4280.2
576.7	70°	602.0	611.7	611.7	585.9	560.1	553.7	547.1	1215.8	1884.5	3693.8
523.3	72.5°	540.7	540.6	534.4	497.9	461.3	441.7	422.1	929.5	1436.9	3058.1
457.8	75°	471.2	473.5	445.2	404.3	363.3	345.5	327.7	674.6	1021.5	2329.5
390.8	77.5°	401.5	402.8	356.1	316.3	276.5	264.4	252.3	457.1	662.0	1630.4
313.1	80°	322.1	322.3	266.5	232.9	199.2	194.2	189.2	294.5	399.9	1050.5
232.5	82.5°	236.9	234.3	186.7	161.9	137.1	136.1	135.2	181.2	227.3	608.0
151.3	85°	156.0	152.5	117.1	99.0	80.8	81.3	81.7	96.8	112.0	273.5
67.0	87.5°	68.9	64.5	49.8	42.3	35.0	35.4	35.8	40.2	44.5	89.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1632.4	0°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
1755.4	2.5°	1762.1	1768.8	1778.3	1787.7	1793.3	1799.0	1801.8	1804.6	1803.4	1804.6
1887.6	5°	1910.9	1934.2	1957.2	1980.3	1992.9	2005.4	2013.0	2020.6	2026.4	2020.6
2020.4	7.5°	2058.2	2096.0	2130.0	2164.0	2184.5	2205.0	2216.1	2227.1	2232.4	2227.1
2122.2	10°	2166.9	2211.6	2251.5	2291.4	2315.6	2339.7	2350.5	2361.2	2365.2	2361.2
2184.5	12.5°	2233.0	2281.4	2317.5	2353.5	2371.0	2388.5	2394.4	2400.3	2400.9	2400.3
2222.4	15°	2264.3	2306.0	2328.7	2351.3	2352.0	2352.6	2346.3	2340.1	2332.7	2340.1
2243.7	17.5°	2272.0	2300.2	2300.7	2301.0	2275.7	2250.3	2227.1	2203.8	2187.3	2203.8
2267.2	20°	2277.0	2286.9	2257.2	2227.4	2171.4	2115.4	2074.7	2033.9	2008.8	2033.9
2294.5	22.5°	2281.6	2268.6	2207.0	2145.4	2063.0	1980.6	1929.6	1878.7	1851.0	1878.7
2329.5	25°	2288.8	2248.1	2154.5	2060.9	1960.9	1860.9	1807.3	1753.8	1727.6	1753.8
2377.1	27.5°	2304.4	2231.5	2107.5	1983.6	1872.8	1761.9	1709.2	1656.5	1631.7	1656.5
2441.3	30°	2332.8	2224.3	2071.7	1919.1	1803.6	1688.1	1639.2	1590.3	1567.2	1590.3
2517.1	32.5°	2368.5	2219.9	2047.3	1874.7	1766.1	1657.5	1619.1	1580.7	1564.1	1580.7
2609.2	35°	2427.3	2245.5	2065.6	1885.7	1810.3	1735.0	1726.0	1717.1	1715.7	1717.1
2764.2	37.5°	2550.3	2336.3	2172.8	2009.3	2004.4	1999.6	2040.5	2081.5	2102.8	2081.5
2998.5	40°	2765.8	2533.1	2411.5	2289.9	2375.8	2461.6	2561.2	2660.8	2710.4	2660.8
3309.2	42.5°	3078.3	2847.4	2777.4	2707.4	2894.5	3081.7	3262.9	3444.0	3550.4	3444.0
3692.9	45°	3485.5	3278.0	3247.1	3216.2	3516.0	3816.0	4113.6	4411.3	4592.0	4411.3
4172.7	47.5°	3970.9	3769.1	3762.8	3756.6	4189.2	4621.6	5057.4	5493.1	5749.0	5493.1
4801.6	50°	4552.3	4303.2	4304.2	4305.3	4862.8	5420.3	5995.5	6570.7	6918.4	6570.7
5523.5	52.5°	5221.7	4920.0	4889.5	4858.9	5524.8	6190.7	6902.4	7614.0	8030.9	7614.0
6292.1	55°	5993.9	5695.7	5576.8	5457.8	6199.0	6940.1	7788.5	8636.9	9132.7	8636.9
6991.1	57.5°	6828.7	6666.3	6427.7	6189.2	6937.6	7685.9	8646.9	9607.8	10222.6	9607.8
7413.6	60°	7665.8	7918.0	7621.8	7325.5	8033.7	8741.9	9770.8	10799.7	11464.1	10799.7
7199.1	62.5°	7888.2	8577.2	8543.9	8510.4	9159.2	9808.0	10786.9	11765.7	12379.9	11765.7
6769.7	65°	7416.4	8063.2	8191.1	8319.0	9143.5	9968.0	10917.2	11866.4	12389.3	11866.4
6194.3	67.5°	6809.5	7424.6	7484.6	7544.5	8403.5	9262.5	10215.8	11169.1	11578.8	11169.1
5503.1	70°	6172.2	6841.3	6868.1	6895.0	7663.2	8431.3	9251.7	10072.0	10299.7	10072.0
4679.4	72.5°	5447.2	6215.0	6234.3	6253.5	6854.6	7455.6	8070.0	8684.4	8707.4	8684.4
3637.4	75°	4432.1	5226.7	5298.0	5369.4	5837.0	6304.6	6737.1	7169.6	7053.7	7169.6
2598.9	77.5°	3340.6	4082.5	4184.6	4286.7	4642.2	4997.6	5304.4	5611.2	5412.0	5611.2
1701.0	80°	2325.0	2949.0	3075.9	3202.8	3471.3	3739.7	3900.8	4061.8	3741.4	4061.8
988.8	82.5°	1415.4	1842.1	1983.8	2125.6	2310.4	2495.2	2562.4	2629.6	2377.8	2629.6
435.0	85°	661.5	887.9	1008.5	1129.1	1280.9	1432.7	1470.8	1509.0	1307.3	1509.0
134.7	87.5°	210.8	286.9	354.2	421.4	497.4	573.3	576.5	579.7	486.7	579.7
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°
1632.4	0°	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4	1632.4
1801.8	2.5°	1799.0	1793.3	1787.7	1778.3	1768.8	1762.1	1755.4
2013.0	5°	2005.4	1992.9	1980.3	1957.2	1934.2	1910.9	1887.6
2216.1	7.5°	2205.0	2184.5	2164.0	2130.0	2096.0	2058.2	2020.4
2350.5	10°	2339.7	2315.6	2291.4	2251.5	2211.6	2166.9	2122.2
2394.4	12.5°	2388.5	2371.0	2353.5	2317.5	2281.4	2233.0	2184.5
2346.3	15°	2352.6	2352.0	2351.3	2328.7	2306.0	2264.3	2222.4
2227.1	17.5°	2250.3	2275.7	2301.0	2300.7	2300.2	2272.0	2243.7
2074.7	20°	2115.4	2171.4	2227.4	2257.2	2286.9	2277.0	2267.2
1929.6	22.5°	1980.6	2063.0	2145.4	2207.0	2268.6	2281.6	2294.5
1807.3	25°	1860.9	1960.9	2060.9	2154.5	2248.1	2288.8	2329.5
1709.2	27.5°	1761.9	1872.8	1983.6	2107.5	2231.5	2304.4	2377.1
1639.2	30°	1688.1	1803.6	1919.1	2071.7	2224.3	2332.8	2441.3
1619.1	32.5°	1657.5	1766.1	1874.7	2047.3	2219.9	2368.5	2517.1
1726.0	35°	1735.0	1810.3	1885.7	2065.6	2245.5	2427.3	2609.2
2040.5	37.5°	1999.6	2004.4	2009.3	2172.8	2336.3	2550.3	2764.2
2561.2	40°	2461.6	2375.8	2289.9	2411.5	2533.1	2765.8	2998.5
3262.9	42.5°	3081.7	2894.5	2707.4	2777.4	2847.4	3078.3	3309.2
4113.6	45°	3816.0	3516.0	3216.2	3247.1	3278.0	3485.5	3692.9
5057.4	47.5°	4621.6	4189.2	3756.6	3762.8	3769.1	3970.9	4172.7
5995.5	50°	5420.3	4862.8	4305.3	4304.2	4303.2	4552.3	4801.6
6902.4	52.5°	6190.7	5524.8	4858.9	4889.5	4920.0	5221.7	5523.5
7788.5	55°	6940.1	6199.0	5457.8	5576.8	5695.7	5993.9	6292.1
8646.9	57.5°	7685.9	6937.6	6189.2	6427.7	6666.3	6828.7	6991.1
9770.8	60°	8741.9	8033.7	7325.5	7621.8	7918.0	7665.8	7413.6
10786.9	62.5°	9808.0	9159.2	8510.4	8543.9	8577.2	7888.2	7199.1
10917.2	65°	9968.0	9143.5	8319.0	8191.1	8063.2	7416.4	6769.7
10215.8	67.5°	9262.5	8403.5	7544.5	7484.6	7424.6	6809.5	6194.3
9251.7	70°	8431.3	7663.2	6895.0	6868.1	6841.3	6172.2	5503.1
8070.0	72.5°	7455.6	6854.6	6253.5	6234.3	6215.0	5447.2	4679.4
6737.1	75°	6304.6	5837.0	5369.4	5298.0	5226.7	4432.1	3637.4
5304.4	77.5°	4997.6	4642.2	4286.7	4184.6	4082.5	3340.6	2598.9
3900.8	80°	3739.7	3471.3	3202.8	3075.9	2949.0	2325.0	1701.0
2562.4	82.5°	2495.2	2310.4	2125.6	1983.8	1842.1	1415.4	988.8
1470.8	85°	1432.7	1280.9	1129.1	1008.5	887.9	661.5	435.0
576.5	87.5°	573.3	497.4	421.4	354.2	286.9	210.8	134.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)