

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: P946816

Luminaire Tested: **GALN-SB2B-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946816
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10408 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

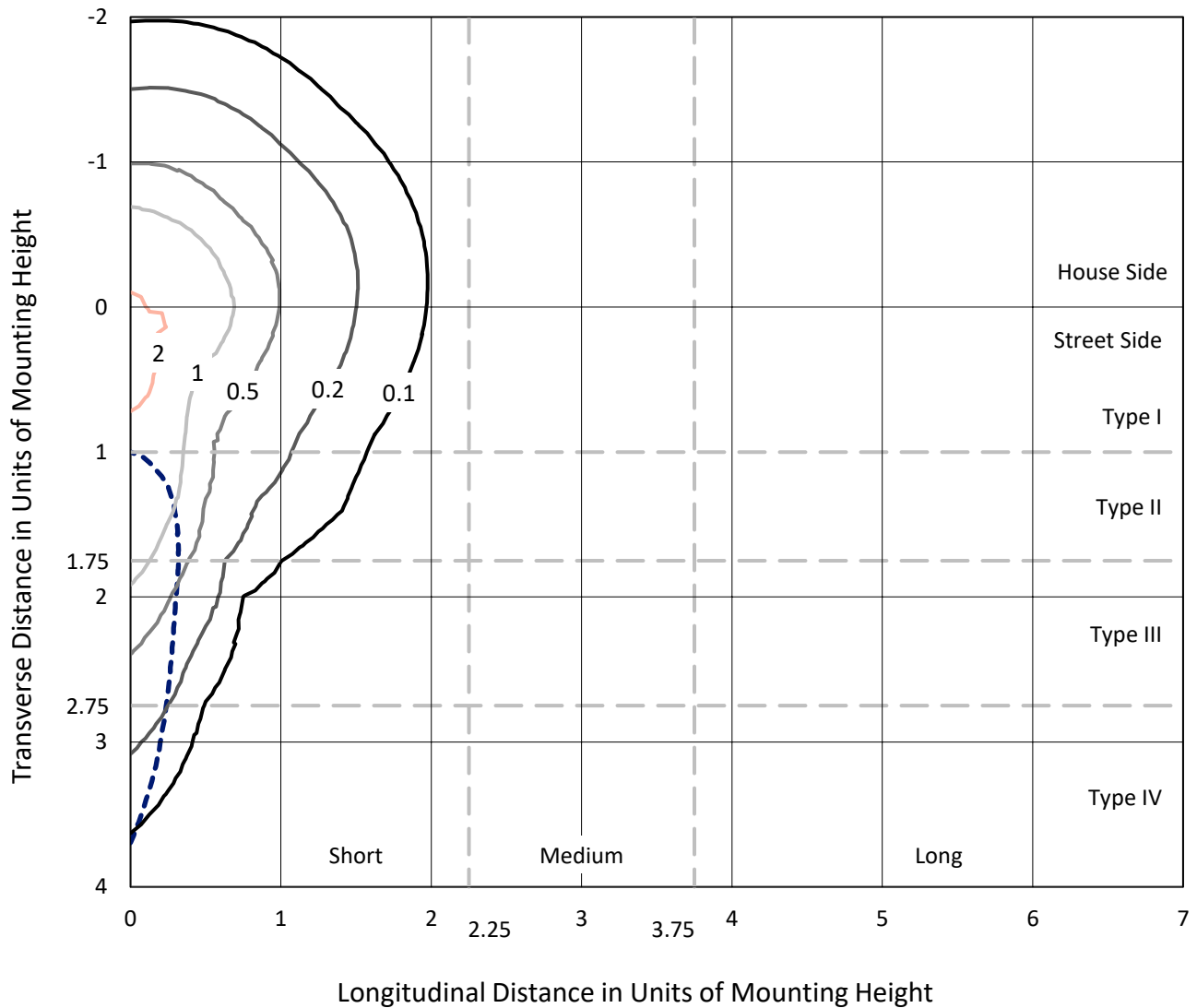
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

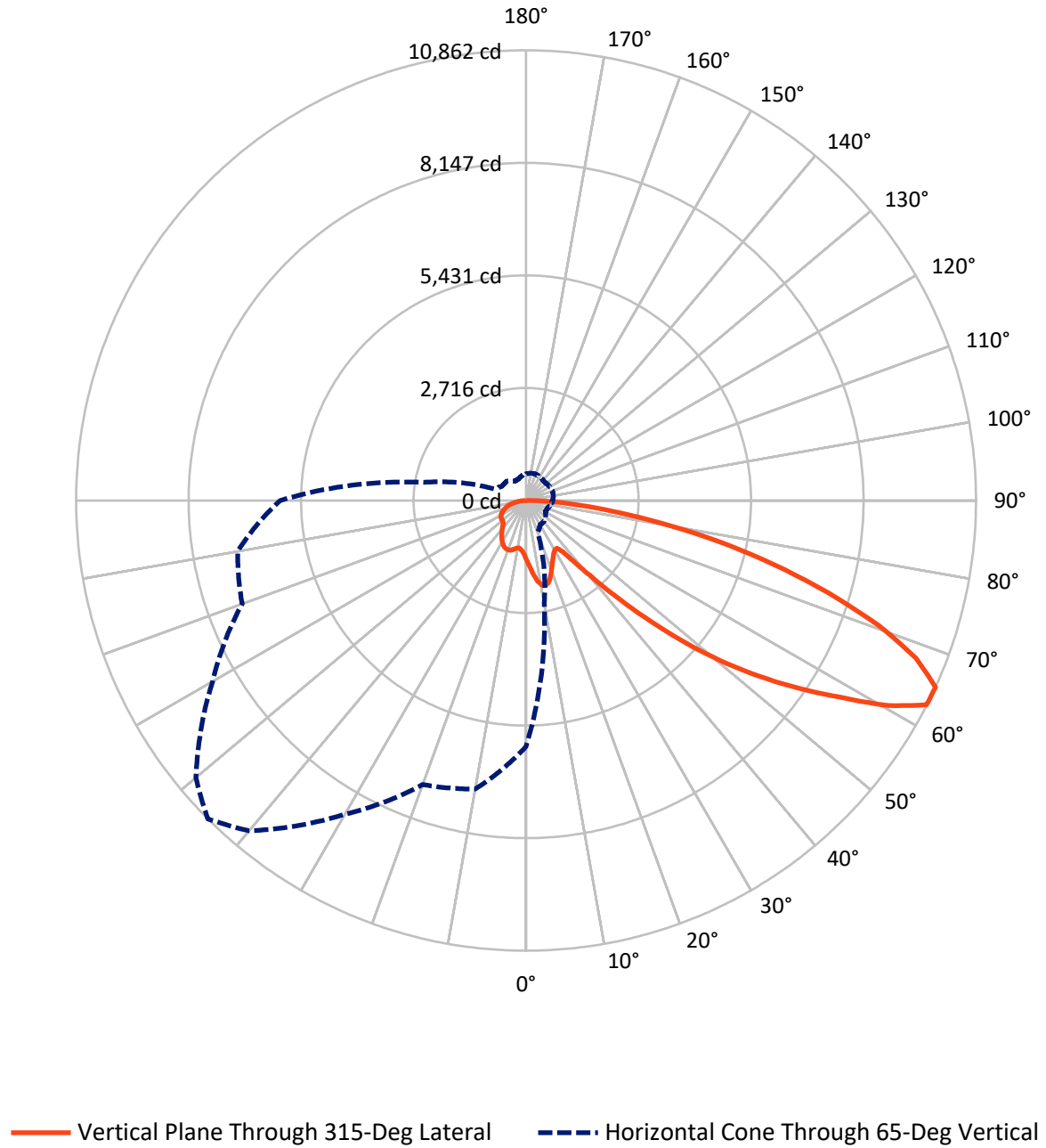
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	2645.2	0.0	2645.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7762.8	0.0	7762.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	10408.0	0.0	10408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.0	1.4
10°-20°	445.7	4.3
20°-30°	688.4	6.6
30°-40°	872.4	8.4
40°-50°	1315.8	12.6
50°-60°	2125.9	20.4
60°-70°	2650.3	25.5
70°-80°	1737.9	16.7
80°-90°	429.7	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°	10408.0	100.0
0°-180°	10408.0	100.0

Coefficient of Utilization



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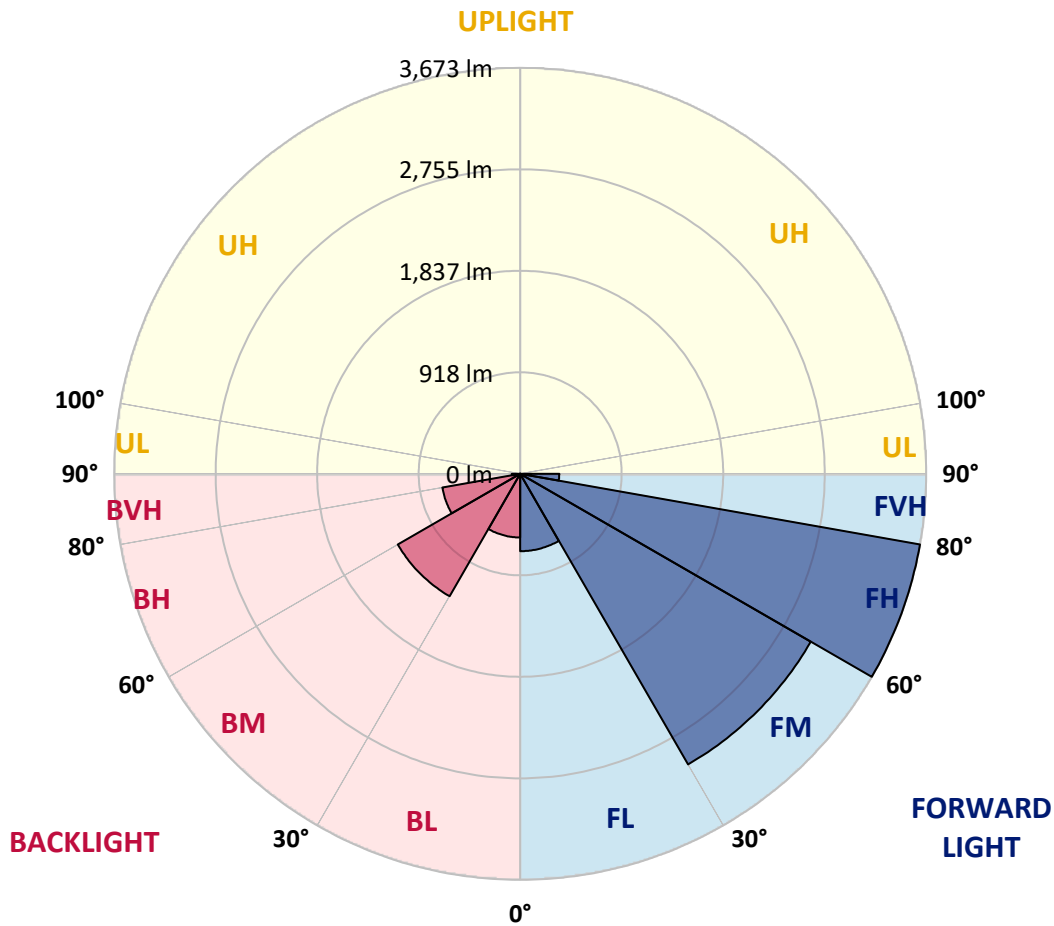
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	700.1	6.7			
FM (30°-60°)	3035.8	29.2			
FH (60°-80°)	3673.0	35.3			G2/5000
FVH (80°-90°)	353.9	3.4			G3/500
BL (0°-30°)	576.0	5.5	B2/1000		
BM (30°-60°)	1278.3	12.3	B2/2500		
BH (60°-80°)	715.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	75.7	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°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
2.5°	1539.1	1527.3	1515.5	1502.9	1490.4	1477.8	1465.1	1453.0	1441.0	1429.3
5°	1655.0	1628.9	1602.8	1576.8	1550.8	1524.6	1498.5	1474.0	1449.6	1426.5
7.5°	1771.4	1728.4	1685.4	1645.6	1605.8	1567.1	1528.4	1494.3	1460.2	1428.7
10°	1860.7	1806.2	1751.8	1699.2	1646.7	1599.7	1552.7	1512.4	1471.9	1433.1
12.5°	1915.3	1855.5	1795.7	1736.2	1676.7	1621.2	1565.7	1520.1	1474.5	1433.7
15°	1948.5	1886.2	1823.9	1759.3	1694.7	1630.8	1566.9	1514.1	1461.3	1416.1
17.5°	1967.2	1904.0	1840.8	1770.3	1699.9	1625.7	1551.6	1488.0	1424.5	1371.3
20°	1987.8	1922.1	1856.4	1778.9	1701.5	1611.7	1521.8	1443.1	1364.3	1302.4
22.5°	2011.7	1944.6	1877.4	1790.6	1703.7	1594.4	1485.1	1390.3	1295.4	1225.0
25°	2042.4	1976.6	1910.9	1811.7	1712.4	1577.4	1442.4	1331.3	1220.3	1148.1
27.5°	2084.2	2021.5	1958.7	1844.6	1730.5	1566.0	1401.5	1277.5	1153.4	1087.7
30°	2140.5	2079.8	2019.3	1887.3	1755.3	1560.7	1365.9	1232.4	1098.9	1043.7
32.5°	2206.9	2146.9	2086.9	1931.8	1776.7	1554.1	1331.3	1193.6	1055.8	1011.3
35°	2287.7	2230.2	2172.7	1982.6	1792.4	1541.7	1291.0	1155.4	1019.8	982.8
37.5°	2423.6	2350.3	2277.1	2039.4	1801.8	1520.4	1239.1	1110.5	982.0	949.5
40°	2629.0	2522.2	2415.4	2111.6	1807.7	1491.2	1174.7	1056.9	939.1	909.7
42.5°	2901.4	2747.3	2593.2	2206.0	1818.8	1461.0	1103.2	997.8	892.3	865.2
45°	3237.8	3029.9	2822.0	2330.2	1838.4	1432.9	1027.4	934.9	842.5	815.0
47.5°	3658.4	3365.9	3073.3	2462.6	1851.9	1409.7	967.6	885.2	802.9	767.5
50°	4209.8	3768.8	3327.7	2585.4	1843.1	1384.5	925.8	852.2	778.6	732.1
52.5°	4842.8	4192.0	3541.2	2665.1	1789.0	1341.8	894.6	830.5	766.4	712.8
55°	5516.6	4567.2	3617.8	2647.5	1677.2	1271.0	864.9	814.7	764.6	714.8
57.5°	6129.5	4833.1	3536.7	2523.9	1511.1	1171.3	831.5	796.1	760.6	716.7
60°	6499.9	4899.5	3299.1	2293.7	1288.3	1041.8	795.3	767.5	739.6	710.7
62.5°	6311.8	4619.7	2927.6	1982.5	1037.3	886.8	736.4	717.8	699.4	695.8
65°	5935.4	4223.8	2512.3	1664.9	817.6	747.4	677.2	668.4	659.7	660.1
67.5°	5430.9	3752.7	2074.4	1353.9	633.3	613.4	593.4	598.3	603.1	601.9
70°	4824.9	3238.6	1652.2	1066.0	479.7	485.4	491.1	513.7	536.3	536.3
72.5°	4102.7	2681.3	1259.8	814.9	370.0	387.2	404.5	436.6	468.6	474.0
75°	3189.1	2042.4	895.6	591.5	287.3	302.9	318.5	354.4	390.4	415.2
77.5°	2278.6	1429.5	580.4	400.8	221.2	231.8	242.5	277.3	312.2	353.1
80°	1491.3	921.0	350.7	258.2	165.9	170.2	174.6	204.2	233.7	282.6
82.5°	866.9	533.0	199.2	158.8	118.5	119.3	120.2	141.9	163.7	205.4
85°	381.4	239.8	98.2	84.9	71.7	71.3	70.8	86.8	102.7	133.7
87.5°	118.1	78.5	39.0	35.2	31.4	31.0	30.6	37.1	43.7	56.6
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°
1431.2	0°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
1416.3	2.5°	1405.7	1395.2	1385.7	1376.3	1368.0	1359.7	1351.3	1343.0	1336.6	1330.1
1403.7	5°	1383.8	1363.9	1347.2	1330.6	1315.9	1301.1	1287.8	1274.4	1264.1	1253.8
1399.2	7.5°	1372.8	1346.3	1324.4	1302.4	1283.9	1265.3	1249.0	1232.7	1220.4	1208.2
1401.4	10°	1373.5	1345.6	1323.7	1301.7	1281.8	1261.8	1243.4	1225.0	1210.4	1195.7
1404.2	12.5°	1381.3	1358.6	1344.0	1329.5	1313.8	1298.2	1279.1	1260.1	1241.4	1222.8
1392.5	15°	1381.5	1370.7	1372.6	1374.6	1370.6	1366.5	1350.0	1333.4	1306.9	1280.3
1356.8	17.5°	1360.8	1364.7	1388.7	1412.6	1425.4	1438.1	1424.7	1411.4	1376.2	1341.0
1298.6	20°	1317.2	1335.9	1377.5	1419.1	1445.7	1472.4	1466.2	1460.0	1419.8	1379.6
1232.5	22.5°	1260.1	1287.7	1335.2	1382.8	1417.4	1452.1	1455.8	1459.5	1421.0	1382.6
1168.4	25°	1200.3	1232.1	1274.8	1317.5	1351.6	1385.7	1398.5	1411.1	1379.6	1348.2
1112.4	27.5°	1143.1	1173.9	1209.0	1244.0	1271.4	1298.7	1312.9	1327.1	1304.7	1282.2
1063.1	30°	1087.5	1112.0	1141.1	1170.2	1192.9	1215.6	1227.2	1238.7	1221.6	1204.5
1020.0	32.5°	1034.4	1048.8	1072.1	1095.4	1117.1	1138.9	1151.7	1164.6	1148.9	1133.1
979.2	35°	983.2	987.2	1004.9	1022.6	1044.1	1065.7	1081.1	1096.5	1085.3	1074.1
936.5	37.5°	932.1	927.7	940.4	953.1	974.6	996.1	1015.1	1034.1	1029.0	1023.8
889.7	40°	879.7	869.8	879.0	888.2	908.9	929.7	951.5	973.4	974.7	975.9
840.0	42.5°	826.8	813.6	821.1	828.6	848.3	868.0	891.6	915.2	921.5	927.9
790.6	45°	777.7	764.9	771.2	777.5	796.2	814.9	839.4	863.9	872.9	882.0
746.5	47.5°	735.7	724.9	730.9	736.7	755.0	773.3	797.4	821.6	832.0	842.5
707.6	50°	698.1	688.6	697.8	707.1	724.3	741.5	763.2	784.8	798.2	811.6
678.7	52.5°	669.2	659.9	673.7	687.6	703.4	719.2	739.3	759.5	775.4	791.3
663.3	55°	648.4	633.5	653.2	672.9	689.9	706.9	724.6	742.2	759.0	775.9
654.1	57.5°	632.3	610.6	631.8	653.0	673.0	693.0	710.4	728.0	744.9	761.8
645.4	60°	617.2	589.0	607.6	626.2	649.1	672.1	689.8	707.6	724.7	741.7
635.3	62.5°	600.0	564.8	576.6	588.5	615.2	642.0	661.0	679.9	695.5	711.1
614.0	65°	576.5	539.0	543.6	548.1	576.8	605.5	623.6	641.7	655.5	669.2
576.0	67.5°	544.8	513.6	512.2	510.7	537.2	563.7	580.9	598.1	609.9	621.8
527.8	70°	505.6	483.4	478.5	473.5	496.8	520.1	534.9	549.7	560.4	571.2
474.1	72.5°	458.8	443.6	436.4	429.2	447.5	465.8	479.2	492.6	503.1	513.6
413.1	75°	401.4	389.7	382.7	375.8	389.4	403.0	415.1	427.3	436.8	446.4
352.0	77.5°	342.6	333.2	326.2	319.2	330.3	341.3	351.8	362.2	372.2	382.2
282.4	80°	274.5	266.6	260.8	254.8	264.1	273.2	282.0	290.8	298.4	306.0
207.7	82.5°	203.9	200.0	195.8	191.7	190.9	190.1	187.1	184.0	200.2	216.5
136.7	85°	132.6	128.5	123.8	119.2	115.2	111.2	102.7	94.2	109.4	124.7
60.4	87.5°	58.8	57.1	56.2	55.4	55.2	55.0	48.5	42.0	48.4	54.8
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1431.2	0°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
1324.9	2.5°	1319.7	1315.6	1311.6	1307.8	1304.1	1299.4	1304.1	1307.8	1311.6	1315.6
1246.6	5°	1239.4	1234.3	1229.2	1225.3	1221.4	1217.6	1221.4	1225.3	1229.2	1234.3
1199.7	7.5°	1191.1	1185.2	1179.4	1175.9	1172.4	1169.8	1172.4	1175.9	1179.4	1185.2
1186.1	10°	1176.5	1170.9	1165.4	1162.4	1159.5	1158.2	1159.5	1162.4	1165.4	1170.9
1210.4	12.5°	1198.1	1191.9	1185.7	1183.2	1180.6	1180.2	1180.6	1183.2	1185.7	1191.9
1261.5	15°	1242.7	1234.1	1225.5	1222.2	1218.9	1218.7	1218.9	1222.2	1225.5	1234.1
1313.3	17.5°	1285.7	1272.9	1260.1	1255.9	1251.7	1251.1	1251.7	1255.9	1260.1	1272.9
1345.6	20°	1311.7	1295.4	1279.1	1273.8	1268.6	1267.0	1268.6	1273.8	1279.1	1295.4
1347.7	22.5°	1312.7	1295.5	1278.2	1272.5	1266.7	1264.2	1266.7	1272.5	1278.2	1295.5
1317.1	25°	1286.1	1271.2	1256.3	1250.8	1245.5	1242.3	1245.5	1250.8	1256.3	1271.2
1258.1	27.5°	1234.0	1224.0	1214.0	1211.5	1209.0	1208.2	1209.0	1211.5	1214.0	1224.0
1187.2	30°	1169.9	1164.8	1159.6	1159.6	1159.6	1160.4	1159.6	1159.6	1159.6	1164.8
1119.3	32.5°	1105.5	1102.2	1098.8	1099.3	1099.8	1100.6	1099.8	1099.3	1098.8	1102.2
1061.4	35°	1048.7	1043.6	1038.5	1037.4	1036.3	1035.8	1036.3	1037.4	1038.5	1043.6
1012.1	37.5°	1000.3	991.1	981.8	977.0	972.1	969.3	972.1	977.0	981.8	991.1
966.0	40°	956.0	942.5	929.1	920.0	911.0	905.6	911.0	920.0	929.1	942.5
919.5	42.5°	911.1	894.4	877.6	864.4	851.1	842.5	851.1	864.4	877.6	894.4
874.4	45°	866.9	847.7	828.6	813.1	797.5	787.5	797.5	813.1	828.6	847.7
837.2	47.5°	831.9	814.9	797.9	783.5	769.1	759.5	769.1	783.5	797.9	814.9
811.3	50°	811.0	797.4	783.8	770.5	757.2	748.0	757.2	770.5	783.8	797.4
794.1	52.5°	797.0	785.9	774.8	762.9	751.0	742.5	751.0	762.9	774.8	785.9
779.9	55°	783.8	774.1	764.5	754.0	743.6	735.9	743.6	754.0	764.5	774.1
765.8	57.5°	769.9	760.1	750.3	740.0	729.6	721.6	729.6	740.0	750.3	760.1
746.1	60°	750.5	740.9	731.4	720.8	710.1	701.9	710.1	720.8	731.4	740.9
715.3	62.5°	719.5	710.9	702.3	691.1	679.9	670.0	679.9	691.1	702.3	710.9
673.5	65°	677.8	669.5	661.2	650.4	639.5	631.0	639.5	650.4	661.2	669.5
626.0	67.5°	630.2	622.6	615.0	604.9	594.8	587.1	594.8	604.9	615.0	622.6
575.2	70°	579.3	573.1	566.9	557.2	547.5	538.8	547.5	557.2	566.9	573.1
518.4	72.5°	523.3	518.1	512.9	503.7	494.5	486.0	494.5	503.7	512.9	518.1
451.4	75°	456.5	454.0	451.4	443.7	435.9	427.8	435.9	443.7	451.4	454.0
387.0	77.5°	391.7	388.2	384.5	376.7	368.9	362.5	368.9	376.7	384.5	388.2
312.3	80°	318.5	317.0	315.5	305.0	294.5	282.3	294.5	305.0	315.5	317.0
227.1	82.5°	237.8	237.1	236.4	227.6	218.7	210.9	218.7	227.6	236.4	237.1
137.8	85°	151.0	149.9	148.8	141.9	135.0	128.0	135.0	141.9	148.8	149.9
60.1	87.5°	65.5	64.1	62.7	59.2	55.6	52.2	55.6	59.2	62.7	64.1
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°
1431.2	0°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
1319.7	2.5°	1324.9	1330.1	1336.6	1343.0	1351.3	1359.7	1368.0	1376.3	1385.7	1395.2
1239.4	5°	1246.6	1253.8	1264.1	1274.4	1287.8	1301.1	1315.9	1330.6	1347.2	1363.9
1191.1	7.5°	1199.7	1208.2	1220.4	1232.7	1249.0	1265.3	1283.9	1302.4	1324.4	1346.3
1176.5	10°	1186.1	1195.7	1210.4	1225.0	1243.4	1261.8	1281.8	1301.7	1323.7	1345.6
1198.1	12.5°	1210.4	1222.8	1241.4	1260.1	1279.1	1298.2	1313.8	1329.5	1344.0	1358.6
1242.7	15°	1261.5	1280.3	1306.9	1333.4	1350.0	1366.5	1370.6	1374.6	1372.6	1370.7
1285.7	17.5°	1313.3	1341.0	1376.2	1411.4	1424.7	1438.1	1425.4	1412.6	1388.7	1364.7
1311.7	20°	1345.6	1379.6	1419.8	1460.0	1466.2	1472.4	1445.7	1419.1	1377.5	1335.9
1312.7	22.5°	1347.7	1382.6	1421.0	1459.5	1455.8	1452.1	1417.4	1382.8	1335.2	1287.7
1286.1	25°	1317.1	1348.2	1379.6	1411.1	1398.5	1385.7	1351.6	1317.5	1274.8	1232.1
1234.0	27.5°	1258.1	1282.2	1304.7	1327.1	1312.9	1298.7	1271.4	1244.0	1209.0	1173.9
1169.9	30°	1187.2	1204.5	1221.6	1238.7	1227.2	1215.6	1192.9	1170.2	1141.1	1112.0
1105.5	32.5°	1119.3	1133.1	1148.9	1164.6	1151.7	1138.9	1117.1	1095.4	1072.1	1048.8
1048.7	35°	1061.4	1074.1	1085.3	1096.5	1081.1	1065.7	1044.1	1022.6	1004.9	987.2
1000.3	37.5°	1012.1	1023.8	1029.0	1034.1	1015.1	996.1	974.6	953.1	940.4	927.7
956.0	40°	966.0	975.9	974.7	973.4	951.5	929.7	908.9	888.2	879.0	869.8
911.1	42.5°	919.5	927.9	921.5	915.2	891.6	868.0	848.3	828.6	821.1	813.6
866.9	45°	874.4	882.0	872.9	863.9	839.4	814.9	796.2	777.5	771.2	764.9
831.9	47.5°	837.2	842.5	832.0	821.6	797.4	773.3	755.0	736.7	730.9	724.9
811.0	50°	811.3	811.6	798.2	784.8	763.2	741.5	724.3	707.1	697.8	688.6
797.0	52.5°	794.1	791.3	775.4	759.5	739.3	719.2	703.4	687.6	673.7	659.9
783.8	55°	779.9	775.9	759.0	742.2	724.6	706.9	689.9	672.9	653.2	633.5
769.9	57.5°	765.8	761.8	744.9	728.0	710.4	693.0	673.0	653.0	631.8	610.6
750.5	60°	746.1	741.7	724.7	707.6	689.8	672.1	649.1	626.2	607.6	589.0
719.5	62.5°	715.3	711.1	695.5	679.9	661.0	642.0	615.2	588.5	576.6	564.8
677.8	65°	673.5	669.2	655.5	641.7	623.6	605.5	576.8	548.1	543.6	539.0
630.2	67.5°	626.0	621.8	609.9	598.1	580.9	563.7	537.2	510.7	512.2	513.6
579.3	70°	575.2	571.2	560.4	549.7	534.9	520.1	496.8	473.5	478.5	483.4
523.3	72.5°	518.4	513.6	503.1	492.6	479.2	465.8	447.5	429.2	436.4	443.6
456.5	75°	451.4	446.4	436.8	427.3	415.1	403.0	389.4	375.8	382.7	389.7
391.7	77.5°	387.0	382.2	372.2	362.2	351.8	341.3	330.3	319.2	326.2	333.2
318.5	80°	312.3	306.0	298.4	290.8	282.0	273.2	264.1	254.8	260.8	266.6
237.8	82.5°	227.1	216.5	200.2	184.0	187.1	190.1	190.9	191.7	195.8	200.0
151.0	85°	137.8	124.7	109.4	94.2	102.7	111.2	115.2	119.2	123.8	128.5
65.5	87.5°	60.1	54.8	48.4	42.0	48.5	55.0	55.2	55.4	56.2	57.1
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°
1431.2	0°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
1405.7	2.5°	1416.3	1429.3	1441.0	1453.0	1465.1	1477.8	1490.4	1502.9	1515.5	1527.3
1383.8	5°	1403.7	1426.5	1449.6	1474.0	1498.5	1524.6	1550.8	1576.8	1602.8	1628.9
1372.8	7.5°	1399.2	1428.7	1460.2	1494.3	1528.4	1567.1	1605.8	1645.6	1685.4	1728.4
1373.5	10°	1401.4	1433.1	1471.9	1512.4	1552.7	1599.7	1646.7	1699.2	1751.8	1806.2
1381.3	12.5°	1404.2	1433.7	1474.5	1520.1	1565.7	1621.2	1676.7	1736.2	1795.7	1855.5
1381.5	15°	1392.5	1416.1	1461.3	1514.1	1566.9	1630.8	1694.7	1759.3	1823.9	1886.2
1360.8	17.5°	1356.8	1371.3	1424.5	1488.0	1551.6	1625.7	1699.9	1770.3	1840.8	1904.0
1317.2	20°	1298.6	1302.4	1364.3	1443.1	1521.8	1611.7	1701.5	1778.9	1856.4	1922.1
1260.1	22.5°	1232.5	1225.0	1295.4	1390.3	1485.1	1594.4	1703.7	1790.6	1877.4	1944.6
1200.3	25°	1168.4	1148.1	1220.3	1331.3	1442.4	1577.4	1712.4	1811.7	1910.9	1976.6
1143.1	27.5°	1112.4	1087.7	1153.4	1277.5	1401.5	1566.0	1730.5	1844.6	1958.7	2021.5
1087.5	30°	1063.1	1043.7	1098.9	1232.4	1365.9	1560.7	1755.3	1887.3	2019.3	2079.8
1034.4	32.5°	1020.0	1011.3	1055.8	1193.6	1331.3	1554.1	1776.7	1931.8	2086.9	2146.9
983.2	35°	979.2	982.8	1019.8	1155.4	1291.0	1541.7	1792.4	1982.6	2172.7	2230.2
932.1	37.5°	936.5	949.5	982.0	1110.5	1239.1	1520.4	1801.8	2039.4	2277.1	2350.3
879.7	40°	889.7	909.7	939.1	1056.9	1174.7	1491.2	1807.7	2111.6	2415.4	2522.2
826.8	42.5°	840.0	865.2	892.3	997.8	1103.2	1461.0	1818.8	2206.0	2593.2	2747.3
777.7	45°	790.6	815.0	842.5	934.9	1027.4	1432.9	1838.4	2330.2	2822.0	3029.9
735.7	47.5°	746.5	767.5	802.9	885.2	967.6	1409.7	1851.9	2462.6	3073.3	3365.9
698.1	50°	707.6	732.1	778.6	852.2	925.8	1384.5	1843.1	2585.4	3327.7	3768.8
669.2	52.5°	678.7	712.8	766.4	830.5	894.6	1341.8	1789.0	2665.1	3541.2	4192.0
648.4	55°	663.3	714.8	764.6	814.7	864.9	1271.0	1677.2	2647.5	3617.8	4567.2
632.3	57.5°	654.1	716.7	760.6	796.1	831.5	1171.3	1511.1	2523.9	3536.7	4833.1
617.2	60°	645.4	710.7	739.6	767.5	795.3	1041.8	1288.3	2293.7	3299.1	4899.5
600.0	62.5°	635.3	695.8	699.4	717.8	736.4	886.8	1037.3	1982.5	2927.6	4619.7
576.5	65°	614.0	660.1	659.7	668.4	677.2	747.4	817.6	1664.9	2512.3	4223.8
544.8	67.5°	576.0	601.9	603.1	598.3	593.4	613.4	633.3	1353.9	2074.4	3752.7
505.6	70°	527.8	536.3	536.3	513.7	491.1	485.4	479.7	1066.0	1652.2	3238.6
458.8	72.5°	474.1	474.0	468.6	436.6	404.5	387.2	370.0	814.9	1259.8	2681.3
401.4	75°	413.1	415.2	390.4	354.4	318.5	302.9	287.3	591.5	895.6	2042.4
342.6	77.5°	352.0	353.1	312.2	277.3	242.5	231.8	221.2	400.8	580.4	1429.5
274.5	80°	282.4	282.6	233.7	204.2	174.6	170.2	165.9	258.2	350.7	921.0
203.9	82.5°	207.7	205.4	163.7	141.9	120.2	119.3	118.5	158.8	199.2	533.0
132.6	85°	136.7	133.7	102.7	86.8	70.8	71.3	71.7	84.9	98.2	239.8
58.8	87.5°	60.4	56.6	43.7	37.1	30.6	31.0	31.4	35.2	39.0	78.5
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1431.2	0°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
1539.1	2.5°	1544.9	1550.8	1559.1	1567.4	1572.3	1577.3	1579.7	1582.2	1581.1	1582.2
1655.0	5°	1675.4	1695.8	1716.0	1736.3	1747.2	1758.2	1764.9	1771.6	1776.6	1771.6
1771.4	7.5°	1804.6	1837.7	1867.5	1897.3	1915.3	1933.3	1943.0	1952.6	1957.3	1952.6
1860.7	10°	1899.9	1939.1	1974.1	2009.0	2030.2	2051.3	2060.8	2070.2	2073.7	2070.2
1915.3	12.5°	1957.8	2000.3	2031.9	2063.4	2078.8	2094.2	2099.3	2104.5	2105.0	2104.5
1948.5	15°	1985.2	2021.8	2041.7	2061.6	2062.1	2062.6	2057.2	2051.7	2045.2	2051.7
1967.2	17.5°	1992.0	2016.7	2017.1	2017.5	1995.2	1973.0	1952.6	1932.2	1917.8	1932.2
1987.8	20°	1996.4	2005.1	1979.0	1952.9	1903.8	1854.7	1819.0	1783.2	1761.3	1783.2
2011.7	22.5°	2000.4	1989.1	1935.0	1881.0	1808.8	1736.5	1691.8	1647.1	1622.9	1647.1
2042.4	25°	2006.7	1971.0	1889.0	1806.9	1719.2	1631.5	1584.5	1537.6	1514.7	1537.6
2084.2	27.5°	2020.4	1956.5	1847.8	1739.2	1642.0	1544.8	1498.5	1452.3	1430.6	1452.3
2140.5	30°	2045.3	1950.2	1816.4	1682.6	1581.3	1480.1	1437.2	1394.3	1374.1	1394.3
2206.9	32.5°	2076.6	1946.3	1795.0	1643.6	1548.4	1453.3	1419.6	1385.9	1371.3	1385.9
2287.7	35°	2128.2	1968.7	1811.0	1653.3	1587.2	1521.1	1513.3	1505.4	1504.2	1505.4
2423.6	37.5°	2236.0	2048.4	1905.0	1761.7	1757.4	1753.1	1789.0	1825.0	1843.6	1825.0
2629.0	40°	2424.9	2220.9	2114.3	2007.7	2083.0	2158.2	2245.5	2332.9	2376.3	2332.9
2901.4	42.5°	2698.9	2496.5	2435.1	2373.7	2537.8	2701.9	2860.7	3019.6	3112.8	3019.6
3237.8	45°	3055.9	2874.0	2846.9	2819.8	3082.7	3345.7	3606.6	3867.7	4026.1	3867.7
3658.4	47.5°	3481.5	3304.6	3299.1	3293.6	3672.9	4052.0	4434.1	4816.1	5040.5	4816.1
4209.8	50°	3991.3	3772.8	3773.8	3774.7	4263.5	4752.3	5256.6	5760.9	6065.8	5760.9
4842.8	52.5°	4578.2	4313.6	4286.9	4260.1	4843.9	5427.8	6051.7	6675.7	7041.2	6675.7
5516.6	55°	5255.2	4993.8	4889.5	4785.2	5435.0	6084.8	6828.6	7572.5	8007.2	7572.5
6129.5	57.5°	5987.2	5844.8	5635.6	5426.4	6082.6	6738.7	7581.2	8423.8	8962.8	8423.8
6499.9	60°	6721.0	6942.2	6682.4	6422.7	7043.6	7664.5	8566.6	9468.7	10051.3	9468.7
6311.8	62.5°	6916.0	7520.2	7490.9	7461.6	8030.4	8599.2	9457.5	10315.7	10854.2	10315.7
5935.4	65°	6502.4	7069.5	7181.7	7293.8	8016.6	8739.5	9571.8	10404.0	10862.4	10404.0
5430.9	67.5°	5970.2	6509.6	6562.2	6614.7	7367.9	8121.0	8956.8	9792.6	10151.8	9792.6
4824.9	70°	5411.5	5998.1	6021.7	6045.2	6718.7	7392.2	8111.5	8830.7	9030.3	8830.7
4102.7	72.5°	4775.9	5449.1	5466.0	5482.8	6009.8	6536.7	7075.4	7614.1	7634.3	7614.1
3189.1	75°	3885.9	4582.6	4645.1	4707.7	5117.6	5527.6	5906.8	6286.0	6184.4	6286.0
2278.6	77.5°	2928.9	3579.3	3668.9	3758.4	4070.0	4381.7	4650.7	4919.6	4745.0	4919.6
1491.3	80°	2038.5	2585.6	2696.9	2808.1	3043.5	3278.8	3420.0	3561.2	3280.3	3561.2
866.9	82.5°	1241.0	1615.1	1739.3	1863.7	2025.7	2187.7	2246.6	2305.5	2084.7	2305.5
381.4	85°	579.9	778.5	884.2	989.9	1123.0	1256.1	1289.6	1323.0	1146.2	1323.0
118.1	87.5°	184.8	251.5	310.5	369.5	436.1	502.6	505.5	508.3	426.7	508.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
1431.2	0°	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2	1431.2
1579.7	2.5°	1577.3	1572.3	1567.4	1559.1	1550.8	1544.9	1539.1
1764.9	5°	1758.2	1747.2	1736.3	1716.0	1695.8	1675.4	1655.0
1943.0	7.5°	1933.3	1915.3	1897.3	1867.5	1837.7	1804.6	1771.4
2060.8	10°	2051.3	2030.2	2009.0	1974.1	1939.1	1899.9	1860.7
2099.3	12.5°	2094.2	2078.8	2063.4	2031.9	2000.3	1957.8	1915.3
2057.2	15°	2062.6	2062.1	2061.6	2041.7	2021.8	1985.2	1948.5
1952.6	17.5°	1973.0	1995.2	2017.5	2017.1	2016.7	1992.0	1967.2
1819.0	20°	1854.7	1903.8	1952.9	1979.0	2005.1	1996.4	1987.8
1691.8	22.5°	1736.5	1808.8	1881.0	1935.0	1989.1	2000.4	2011.7
1584.5	25°	1631.5	1719.2	1806.9	1889.0	1971.0	2006.7	2042.4
1498.5	27.5°	1544.8	1642.0	1739.2	1847.8	1956.5	2020.4	2084.2
1437.2	30°	1480.1	1581.3	1682.6	1816.4	1950.2	2045.3	2140.5
1419.6	32.5°	1453.3	1548.4	1643.6	1795.0	1946.3	2076.6	2206.9
1513.3	35°	1521.1	1587.2	1653.3	1811.0	1968.7	2128.2	2287.7
1789.0	37.5°	1753.1	1757.4	1761.7	1905.0	2048.4	2236.0	2423.6
2245.5	40°	2158.2	2083.0	2007.7	2114.3	2220.9	2424.9	2629.0
2860.7	42.5°	2701.9	2537.8	2373.7	2435.1	2496.5	2698.9	2901.4
3606.6	45°	3345.7	3082.7	2819.8	2846.9	2874.0	3055.9	3237.8
4434.1	47.5°	4052.0	3672.9	3293.6	3299.1	3304.6	3481.5	3658.4
5256.6	50°	4752.3	4263.5	3774.7	3773.8	3772.8	3991.3	4209.8
6051.7	52.5°	5427.8	4843.9	4260.1	4286.9	4313.6	4578.2	4842.8
6828.6	55°	6084.8	5435.0	4785.2	4889.5	4993.8	5255.2	5516.6
7581.2	57.5°	6738.7	6082.6	5426.4	5635.6	5844.8	5987.2	6129.5
8566.6	60°	7664.5	7043.6	6422.7	6682.4	6942.2	6721.0	6499.9
9457.5	62.5°	8599.2	8030.4	7461.6	7490.9	7520.2	6916.0	6311.8
9571.8	65°	8739.5	8016.6	7293.8	7181.7	7069.5	6502.4	5935.4
8956.8	67.5°	8121.0	7367.9	6614.7	6562.2	6509.6	5970.2	5430.9
8111.5	70°	7392.2	6718.7	6045.2	6021.7	5998.1	5411.5	4824.9
7075.4	72.5°	6536.7	6009.8	5482.8	5466.0	5449.1	4775.9	4102.7
5906.8	75°	5527.6	5117.6	4707.7	4645.1	4582.6	3885.9	3189.1
4650.7	77.5°	4381.7	4070.0	3758.4	3668.9	3579.3	2928.9	2278.6
3420.0	80°	3278.8	3043.5	2808.1	2696.9	2585.6	2038.5	1491.3
2246.6	82.5°	2187.7	2025.7	1863.7	1739.3	1615.1	1241.0	866.9
1289.6	85°	1256.1	1123.0	989.9	884.2	778.5	579.9	381.4
505.5	87.5°	502.6	436.1	369.5	310.5	251.5	184.8	118.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)