

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: P946100

Luminaire Tested: **GALN-SB1D-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946100  
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-SB1D-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

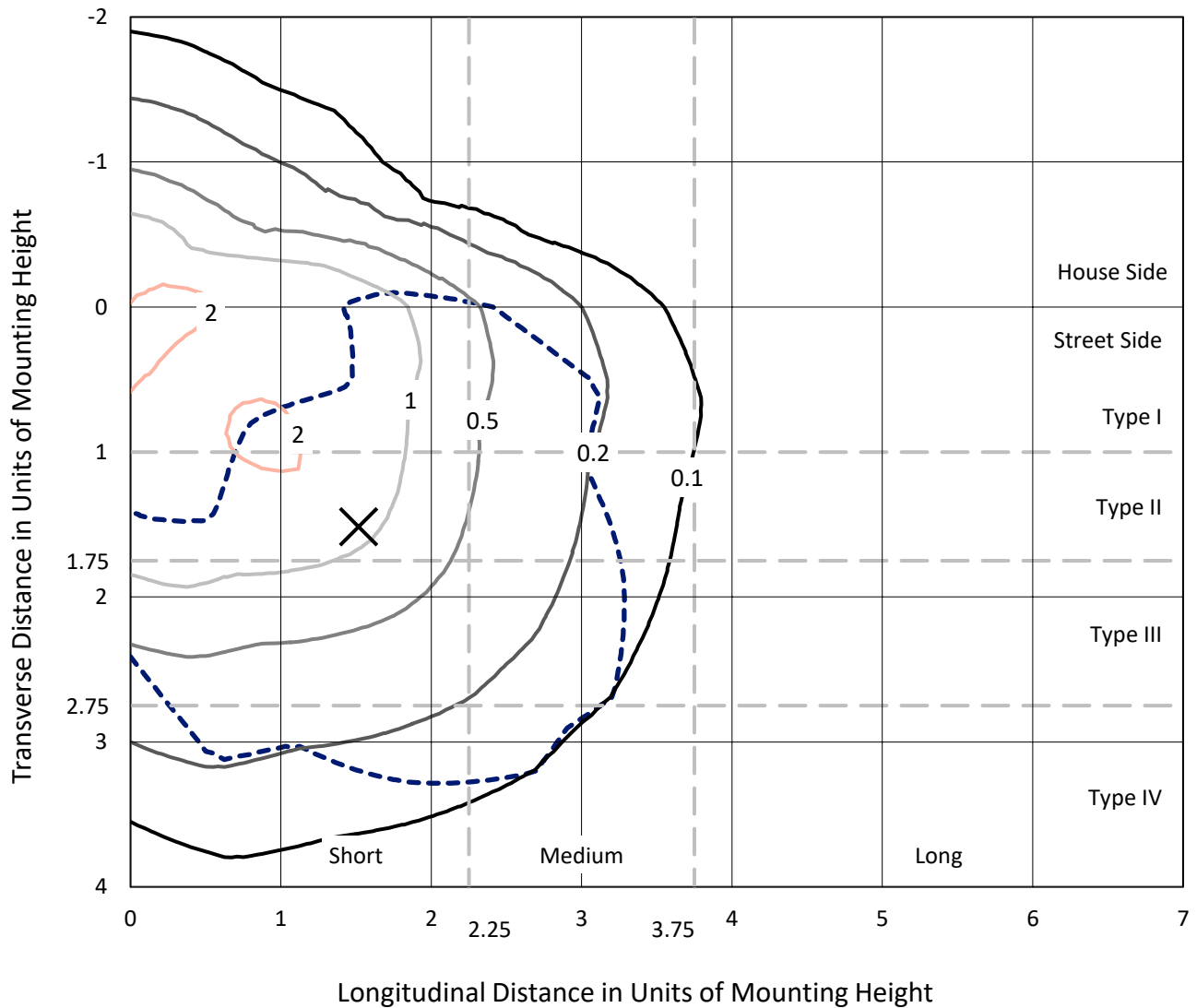
Lumens per Lamp: N/A  
Luminaire Lumens: 9408 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

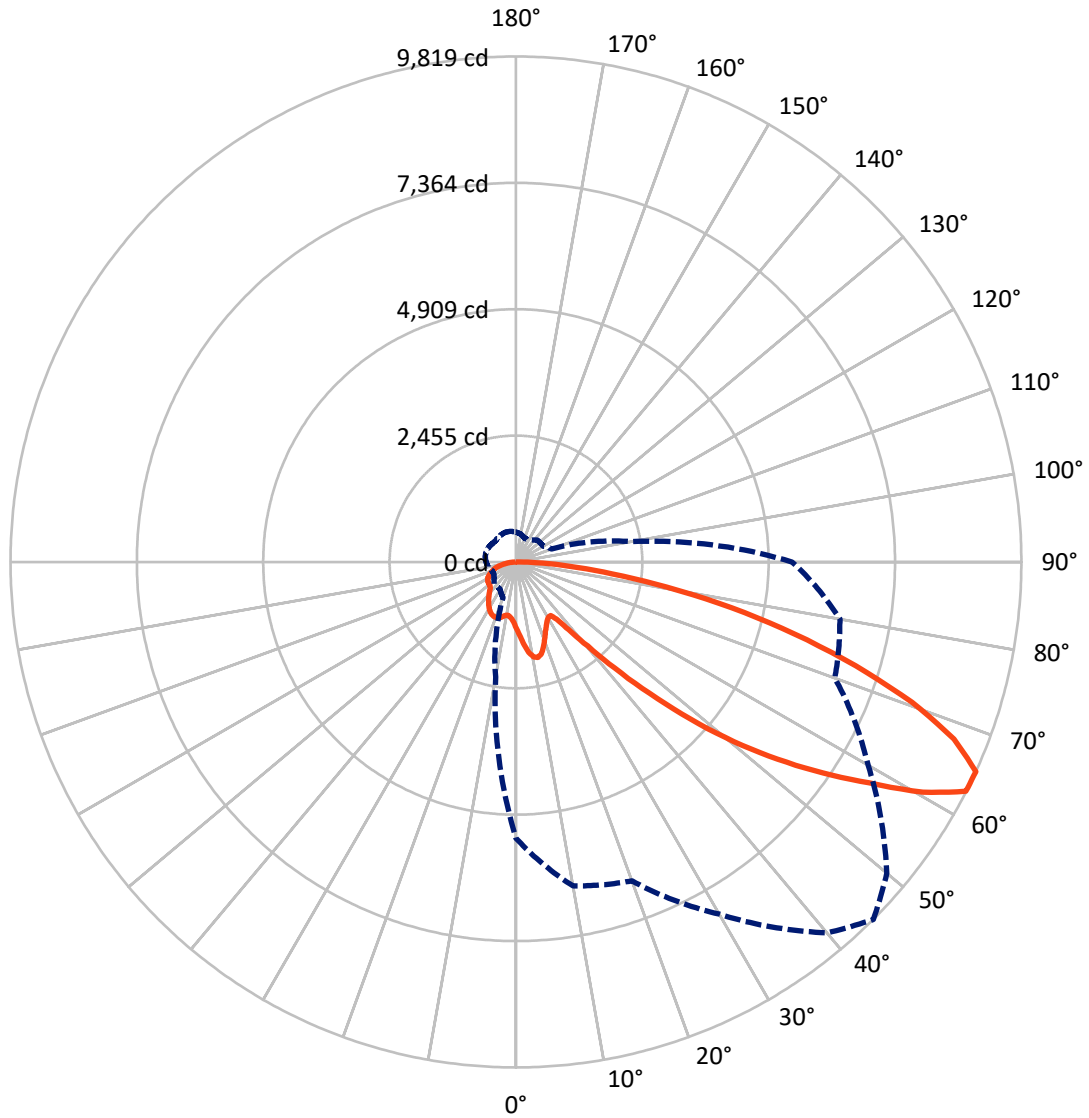
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2391.0	0.0	2391.0
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	7017.0	0.0	7017.0
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	9408.0	0.0	9408.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	1.4
10°-20°	402.9	4.3
20°-30°	622.3	6.6
30°-40°	788.6	8.4
40°-50°	1189.4	12.6
50°-60°	1921.6	20.4
60°-70°	2395.6	25.5
70°-80°	1570.9	16.7
80°-90°	388.4	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°	9408.0	100.0
0°-180°	9408.0	100.0

**Coefficient of Utilization**



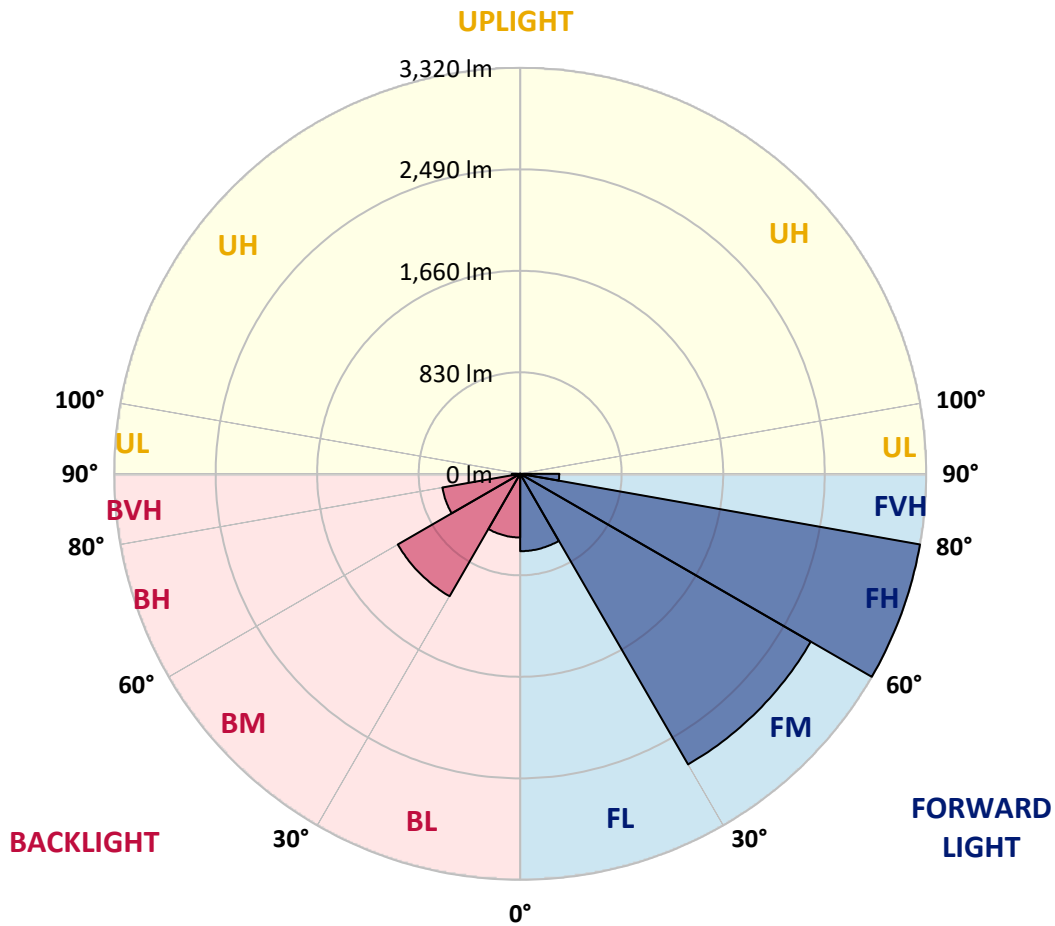
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	632.8	6.7			
FM (30°-60°)	2744.1	29.2			
FH (60°-80°)	3320.1	35.3			G2/5000
FVH (80°-90°)	319.9	3.4			G3/500
BL (0°-30°)	520.7	5.5	B2/1000		
BM (30°-60°)	1155.5	12.3	B2/2500		
BH (60°-80°)	646.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	68.4	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°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
2.5°	1391.2	1396.5	1401.8	1409.3	1416.8	1421.3	1425.7	1428.0	1430.2	1429.2
5°	1496.0	1514.4	1532.9	1551.1	1569.4	1579.4	1589.3	1595.3	1601.4	1605.9
7.5°	1601.2	1631.2	1661.1	1688.1	1715.0	1731.3	1747.5	1756.3	1765.0	1769.3
10°	1681.9	1717.3	1752.8	1784.4	1816.0	1835.2	1854.2	1862.8	1871.3	1874.5
12.5°	1731.3	1769.7	1808.1	1836.7	1865.2	1879.1	1893.0	1897.6	1902.3	1902.8
15°	1761.3	1794.5	1827.6	1845.5	1863.5	1864.0	1864.5	1859.5	1854.5	1848.7
17.5°	1778.2	1800.6	1823.0	1823.3	1823.6	1803.5	1783.4	1765.0	1746.5	1733.5
20°	1796.8	1804.6	1812.4	1788.9	1765.3	1720.9	1676.5	1644.2	1611.9	1592.0
22.5°	1818.4	1808.2	1797.9	1749.1	1700.3	1635.0	1569.7	1529.3	1488.9	1466.9
25°	1846.2	1813.9	1781.7	1707.5	1633.3	1554.1	1474.8	1432.3	1389.9	1369.1
27.5°	1883.9	1826.2	1768.5	1670.3	1572.1	1484.2	1396.3	1354.5	1312.8	1293.2
30°	1934.8	1848.8	1762.8	1641.9	1520.9	1429.4	1337.9	1299.1	1260.3	1242.1
32.5°	1994.9	1877.1	1759.3	1622.5	1485.7	1399.7	1313.6	1283.2	1252.7	1239.6
35°	2067.9	1923.7	1779.6	1637.0	1494.5	1434.7	1375.0	1367.9	1360.8	1359.7
37.5°	2190.7	2021.1	1851.6	1722.0	1592.4	1588.6	1584.7	1617.2	1649.6	1666.5
40°	2376.4	2192.0	2007.5	1911.2	1814.8	1882.8	1950.8	2029.8	2108.7	2148.0
42.5°	2622.6	2439.6	2256.6	2201.1	2145.6	2294.0	2442.3	2585.9	2729.4	2813.7
45°	2926.7	2762.3	2597.9	2573.4	2548.9	2786.5	3024.2	3260.1	3496.1	3639.3
47.5°	3306.9	3147.0	2987.1	2982.1	2977.2	3320.0	3662.7	4008.1	4353.4	4556.2
50°	3805.3	3607.8	3410.3	3411.2	3412.0	3853.8	4295.7	4751.5	5207.4	5483.0
52.5°	4377.5	4138.3	3899.2	3875.0	3850.8	4378.5	4906.3	5470.3	6034.3	6364.7
55°	4986.6	4750.3	4514.0	4419.7	4325.4	4912.8	5500.1	6172.5	6844.9	7237.9
57.5°	5540.6	5411.9	5283.2	5094.1	4905.1	5498.1	6091.2	6852.8	7614.4	8101.6
60°	5875.4	6075.3	6275.2	6040.4	5805.6	6366.8	6928.1	7743.5	8558.9	9085.6
62.5°	5705.4	6251.5	6797.6	6771.2	6744.7	7258.8	7773.0	8548.8	9324.6	9811.3
65°	5365.1	5877.7	6390.2	6491.6	6593.0	7246.4	7899.8	8652.1	9404.4	9818.8
67.5°	4909.1	5396.6	5884.1	5931.7	5979.2	6660.0	7340.7	8096.2	8851.7	9176.4
70°	4361.3	4891.6	5421.8	5443.1	5464.4	6073.2	6682.0	7332.1	7982.3	8162.7
72.5°	3708.5	4317.0	4925.5	4940.8	4956.0	5432.4	5908.7	6395.6	6882.5	6900.8
75°	2882.7	3512.5	4142.3	4198.8	4255.3	4625.9	4996.5	5339.3	5682.1	5590.2
77.5°	2059.7	2647.5	3235.4	3316.4	3397.3	3679.0	3960.7	4203.8	4447.0	4289.1
80°	1348.0	1842.6	2337.2	2437.7	2538.3	2751.1	2963.8	3091.4	3219.1	2965.1
82.5°	783.6	1121.7	1459.9	1572.2	1684.6	1831.1	1977.5	2030.8	2084.0	1884.4
85°	344.8	524.2	703.7	799.2	894.8	1015.1	1135.4	1165.7	1195.9	1036.0
87.5°	106.7	167.0	227.4	280.7	334.0	394.2	454.3	456.9	459.4	385.7
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°
1293.7	0°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
1430.2	2.5°	1428.0	1425.7	1421.3	1416.8	1409.3	1401.8	1396.5	1391.2	1380.6	1369.9
1601.4	5°	1595.3	1589.3	1579.4	1569.4	1551.1	1532.9	1514.4	1496.0	1472.4	1448.8
1765.0	7.5°	1756.3	1747.5	1731.3	1715.0	1688.1	1661.1	1631.2	1601.2	1562.3	1523.4
1871.3	10°	1862.8	1854.2	1835.2	1816.0	1784.4	1752.8	1717.3	1681.9	1632.7	1583.5
1902.3	12.5°	1897.6	1893.0	1879.1	1865.2	1836.7	1808.1	1769.7	1731.3	1677.2	1623.2
1854.5	15°	1859.5	1864.5	1864.0	1863.5	1845.5	1827.6	1794.5	1761.3	1705.0	1648.6
1746.5	17.5°	1765.0	1783.4	1803.5	1823.6	1823.3	1823.0	1800.6	1778.2	1721.1	1663.9
1611.9	20°	1644.2	1676.5	1720.9	1765.3	1788.9	1812.4	1804.6	1796.8	1737.4	1678.0
1488.9	22.5°	1529.3	1569.7	1635.0	1700.3	1749.1	1797.9	1808.2	1818.4	1757.7	1697.0
1389.9	25°	1432.3	1474.8	1554.1	1633.3	1707.5	1781.7	1813.9	1846.2	1786.7	1727.3
1312.8	27.5°	1354.5	1396.3	1484.2	1572.1	1670.3	1768.5	1826.2	1883.9	1827.2	1770.5
1260.3	30°	1299.1	1337.9	1429.4	1520.9	1641.9	1762.8	1848.8	1934.8	1880.0	1825.3
1252.7	32.5°	1283.2	1313.6	1399.7	1485.7	1622.5	1759.3	1877.1	1994.9	1940.6	1886.4
1360.8	35°	1367.9	1375.0	1434.7	1494.5	1637.0	1779.6	1923.7	2067.9	2015.9	1964.0
1649.6	37.5°	1617.2	1584.7	1588.6	1592.4	1722.0	1851.6	2021.1	2190.7	2124.5	2058.3
2108.7	40°	2029.8	1950.8	1882.8	1814.8	1911.2	2007.5	2192.0	2376.4	2279.9	2183.4
2729.4	42.5°	2585.9	2442.3	2294.0	2145.6	2201.1	2256.6	2439.6	2622.6	2483.3	2344.0
3496.1	45°	3260.1	3024.2	2786.5	2548.9	2573.4	2597.9	2762.3	2926.7	2738.8	2550.9
4353.4	47.5°	4008.1	3662.7	3320.0	2977.2	2982.1	2987.1	3147.0	3306.9	3042.5	2778.0
5207.4	50°	4751.5	4295.7	3853.8	3412.0	3411.2	3410.3	3607.8	3805.3	3406.7	3007.9
6034.3	52.5°	5470.3	4906.3	4378.5	3850.8	3875.0	3899.2	4138.3	4377.5	3789.2	3200.9
6844.9	55°	6172.5	5500.1	4912.8	4325.4	4419.7	4514.0	4750.3	4986.6	4128.4	3270.2
7614.4	57.5°	6852.8	6091.2	5498.1	4905.1	5094.1	5283.2	5411.9	5540.6	4368.7	3196.9
8558.9	60°	7743.5	6928.1	6366.8	5805.6	6040.4	6275.2	6075.3	5875.4	4428.8	2982.1
9324.6	62.5°	8548.8	7773.0	7258.8	6744.7	6771.2	6797.6	6251.5	5705.4	4175.9	2646.3
9404.4	65°	8652.1	7899.8	7246.4	6593.0	6491.6	6390.2	5877.7	5365.1	3818.0	2270.9
8851.7	67.5°	8096.2	7340.7	6660.0	5979.2	5931.7	5884.1	5396.6	4909.1	3392.1	1875.1
7982.3	70°	7332.1	6682.0	6073.2	5464.4	5443.1	5421.8	4891.6	4361.3	2927.4	1493.5
6882.5	72.5°	6395.6	5908.7	5432.4	4956.0	4940.8	4925.5	4317.0	3708.5	2423.6	1138.8
5682.1	75°	5339.3	4996.5	4625.9	4255.3	4198.8	4142.3	3512.5	2882.7	1846.2	809.6
4447.0	77.5°	4203.8	3960.7	3679.0	3397.3	3316.4	3235.4	2647.5	2059.7	1292.1	524.6
3219.1	80°	3091.4	2963.8	2751.1	2538.3	2437.7	2337.2	1842.6	1348.0	832.5	317.0
2084.0	82.5°	2030.8	1977.5	1831.1	1684.6	1572.2	1459.9	1121.7	783.6	481.8	180.1
1195.9	85°	1165.7	1135.4	1015.1	894.8	799.2	703.7	524.2	344.8	216.7	88.8
459.4	87.5°	456.9	454.3	394.2	334.0	280.7	227.4	167.0	106.7	71.0	35.2
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1293.7	0°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
1358.5	2.5°	1347.2	1335.8	1324.4	1313.4	1302.5	1291.9	1280.2	1270.6	1261.2	1252.6
1425.3	5°	1401.8	1378.1	1354.5	1332.4	1310.3	1289.5	1268.9	1250.9	1232.9	1217.8
1487.5	7.5°	1451.5	1416.5	1381.5	1350.7	1319.9	1291.4	1264.8	1240.9	1217.0	1197.1
1536.0	10°	1488.5	1446.0	1403.5	1367.1	1330.5	1295.4	1266.8	1241.6	1216.3	1196.5
1569.4	12.5°	1515.6	1465.4	1415.3	1374.1	1332.8	1295.9	1269.3	1248.6	1228.1	1214.8
1590.2	15°	1531.9	1474.1	1416.4	1368.6	1320.9	1280.0	1258.7	1248.8	1239.0	1240.8
1600.2	17.5°	1536.5	1469.5	1402.5	1345.1	1287.6	1239.6	1226.4	1230.0	1233.6	1255.3
1608.0	20°	1538.0	1456.8	1375.6	1304.4	1233.2	1177.3	1173.8	1190.7	1207.6	1245.1
1618.5	22.5°	1540.0	1441.2	1342.4	1256.7	1171.0	1107.3	1114.1	1139.0	1164.0	1206.9
1637.6	25°	1547.9	1425.8	1303.9	1203.4	1103.1	1037.8	1056.1	1084.9	1113.7	1152.3
1667.4	27.5°	1564.2	1415.6	1266.9	1154.7	1042.6	983.2	1005.5	1033.3	1061.1	1092.8
1706.0	30°	1586.7	1410.7	1234.7	1114.0	993.3	943.5	961.0	983.0	1005.2	1031.5
1746.2	32.5°	1606.0	1404.8	1203.4	1078.9	954.4	914.2	922.0	935.0	948.1	969.1
1792.1	35°	1620.2	1393.6	1167.0	1044.4	921.9	888.4	885.1	888.7	892.3	908.4
1843.5	37.5°	1628.7	1374.3	1120.0	1003.8	887.6	858.3	846.5	842.5	838.6	850.1
1908.7	40°	1634.0	1347.9	1061.9	955.4	848.9	822.3	804.2	795.2	786.2	794.5
1994.0	42.5°	1644.1	1320.6	997.2	901.9	806.6	782.1	759.3	747.4	735.5	742.2
2106.3	45°	1661.8	1295.2	928.7	845.1	761.5	736.7	714.6	703.0	691.4	697.1
2226.0	47.5°	1673.9	1274.3	874.6	800.2	725.8	693.8	674.7	665.0	655.3	660.6
2337.0	50°	1666.0	1251.4	836.9	770.4	703.8	661.7	639.6	631.0	622.4	630.8
2409.0	52.5°	1617.1	1212.9	808.7	750.7	692.8	644.4	613.5	604.9	596.5	609.0
2393.2	55°	1516.1	1148.9	781.8	736.4	691.1	646.1	599.6	586.1	572.6	590.4
2281.4	57.5°	1365.9	1058.8	751.6	719.6	687.5	647.8	591.2	571.6	551.9	571.1
2073.3	60°	1164.5	941.7	718.9	693.8	668.6	642.4	583.4	557.9	532.4	549.2
1792.0	62.5°	937.6	801.6	665.6	648.9	632.2	629.0	574.3	542.4	510.6	521.2
1505.0	65°	739.1	675.6	612.1	604.2	596.3	596.7	555.0	521.1	487.2	491.4
1223.8	67.5°	572.5	554.5	536.4	540.8	545.2	544.1	520.6	492.5	464.3	463.0
963.6	70°	433.6	438.8	443.9	464.4	484.8	484.8	477.1	457.0	437.0	432.5
736.6	72.5°	334.5	350.0	365.6	394.6	423.5	428.4	428.5	414.8	401.0	394.5
534.6	75°	259.7	273.8	287.9	320.4	352.9	375.3	373.4	362.8	352.2	346.0
362.3	77.5°	200.0	209.5	219.2	250.7	282.2	319.2	318.2	309.7	301.2	294.9
233.4	80°	149.9	153.9	157.9	184.6	211.2	255.4	255.3	248.2	241.0	235.7
143.6	82.5°	107.1	107.8	108.6	128.3	147.9	185.7	187.7	184.3	180.8	177.0
76.7	85°	64.8	64.4	64.0	78.4	92.8	120.9	123.6	119.9	116.2	111.9
31.8	87.5°	28.4	28.0	27.7	33.6	39.5	51.1	54.6	53.1	51.6	50.8
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1293.7	0°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
1244.0	2.5°	1236.5	1229.0	1221.5	1214.0	1208.2	1202.3	1197.6	1192.9	1189.2	1185.6
1202.7	5°	1189.4	1176.1	1164.1	1152.0	1142.7	1133.3	1126.8	1120.3	1115.7	1111.1
1177.3	7.5°	1160.5	1143.8	1129.0	1114.2	1103.2	1092.1	1084.4	1076.6	1071.3	1066.1
1176.6	10°	1158.6	1140.5	1123.9	1107.3	1094.1	1080.8	1072.2	1063.4	1058.4	1053.4
1201.7	12.5°	1187.5	1173.4	1156.2	1139.0	1122.2	1105.3	1094.1	1082.9	1077.3	1071.8
1242.5	15°	1238.9	1235.2	1220.3	1205.3	1181.3	1157.3	1140.3	1123.3	1115.5	1107.8
1276.9	17.5°	1288.4	1299.9	1287.8	1275.8	1244.0	1212.2	1187.1	1162.1	1150.6	1139.0
1282.8	20°	1306.8	1330.9	1325.4	1319.7	1283.4	1247.0	1216.3	1185.7	1171.0	1156.2
1249.9	22.5°	1281.2	1312.5	1315.9	1319.2	1284.5	1249.7	1218.2	1186.6	1171.0	1155.4
1190.9	25°	1221.7	1252.6	1264.1	1275.6	1247.1	1218.6	1190.5	1162.5	1149.0	1135.6
1124.5	27.5°	1149.2	1173.9	1186.8	1199.6	1179.3	1159.1	1137.3	1115.5	1106.4	1097.3
1057.8	30°	1078.3	1098.8	1109.3	1119.7	1104.2	1088.8	1073.2	1057.5	1052.9	1048.2
990.1	32.5°	1009.8	1029.5	1041.1	1052.7	1038.5	1024.2	1011.8	999.3	996.3	993.2
924.3	35°	943.8	963.3	977.2	991.1	981.0	970.9	959.4	947.9	943.3	938.7
861.5	37.5°	881.0	900.4	917.6	934.8	930.1	925.4	914.9	904.2	895.8	887.5
802.8	40°	821.6	840.3	860.1	879.9	881.1	882.1	873.2	864.2	852.0	839.9
749.0	42.5°	766.8	784.6	805.9	827.3	833.0	838.7	831.1	823.6	808.4	793.3
702.8	45°	719.7	736.6	758.7	780.9	789.1	797.3	790.4	783.6	766.3	749.0
666.0	47.5°	682.5	699.0	720.8	742.7	752.1	761.5	756.7	752.0	736.6	721.2
639.1	50°	654.7	670.3	689.8	709.4	721.5	733.6	733.3	733.1	720.8	708.5
621.5	52.5°	635.8	650.1	668.3	686.6	700.9	715.2	717.8	720.4	710.4	700.4
608.2	55°	623.6	639.0	655.0	670.9	686.1	701.3	704.9	708.5	699.8	691.0
590.2	57.5°	608.3	626.4	642.2	658.0	673.3	688.6	692.3	695.9	687.1	678.2
566.0	60°	586.8	607.5	623.6	639.6	655.0	670.4	674.4	678.4	669.7	661.1
531.9	62.5°	556.1	580.3	597.4	614.6	628.7	642.8	646.6	650.4	642.6	634.8
495.4	65°	521.3	547.3	563.7	580.1	592.5	604.9	608.8	612.7	605.2	597.7
461.7	67.5°	485.6	509.6	525.1	540.6	551.3	562.1	565.9	569.6	562.7	555.9
428.0	70°	449.1	470.1	483.5	496.9	506.6	516.3	520.0	523.6	518.0	512.4
388.0	72.5°	404.5	421.1	433.2	445.3	454.8	464.3	468.6	473.0	468.3	463.7
339.7	75°	352.0	364.3	375.2	386.2	394.9	403.5	408.1	412.6	410.3	408.1
288.5	77.5°	298.5	308.5	318.0	327.4	336.5	345.5	349.8	354.0	350.9	347.6
230.3	80°	238.7	247.0	254.9	262.9	269.8	276.6	282.3	287.9	286.5	285.2
173.3	82.5°	172.6	171.9	169.1	166.3	181.0	195.7	205.3	215.0	214.4	213.7
107.7	85°	104.1	100.5	92.8	85.1	98.9	112.7	124.6	136.5	135.5	134.5
50.0	87.5°	49.9	49.7	43.9	38.0	43.7	49.5	54.4	59.2	58.0	56.7
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1293.7	0°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
1182.2	2.5°	1178.8	1174.5	1178.8	1182.2	1185.6	1189.2	1192.9	1197.6	1202.3	1208.2
1107.6	5°	1104.0	1100.6	1104.0	1107.6	1111.1	1115.7	1120.3	1126.8	1133.3	1142.7
1062.9	7.5°	1059.8	1057.4	1059.8	1062.9	1066.1	1071.3	1076.6	1084.4	1092.1	1103.2
1050.7	10°	1048.1	1047.0	1048.1	1050.7	1053.4	1058.4	1063.4	1072.2	1080.8	1094.1
1069.5	12.5°	1067.2	1066.8	1067.2	1069.5	1071.8	1077.3	1082.9	1094.1	1105.3	1122.2
1104.8	15°	1101.8	1101.6	1101.8	1104.8	1107.8	1115.5	1123.3	1140.3	1157.3	1181.3
1135.3	17.5°	1131.4	1130.9	1131.4	1135.3	1139.0	1150.6	1162.1	1187.1	1212.2	1244.0
1151.5	20°	1146.7	1145.3	1146.7	1151.5	1156.2	1171.0	1185.7	1216.3	1247.0	1283.4
1150.2	22.5°	1145.0	1142.8	1145.0	1150.2	1155.4	1171.0	1186.6	1218.2	1249.7	1284.5
1130.7	25°	1125.8	1122.9	1125.8	1130.7	1135.6	1149.0	1162.5	1190.5	1218.6	1247.1
1095.1	27.5°	1092.9	1092.1	1092.9	1095.1	1097.3	1106.4	1115.5	1137.3	1159.1	1179.3
1048.2	30°	1048.2	1048.9	1048.2	1048.2	1048.2	1052.9	1057.5	1073.2	1088.8	1104.2
993.6	32.5°	994.1	994.8	994.1	993.6	993.2	996.3	999.3	1011.8	1024.2	1038.5
937.7	35°	936.8	936.3	936.8	937.7	938.7	943.3	947.9	959.4	970.9	981.0
883.1	37.5°	878.7	876.2	878.7	883.1	887.5	895.8	904.2	914.9	925.4	930.1
831.6	40°	823.5	818.6	823.5	831.6	839.9	852.0	864.2	873.2	882.1	881.1
781.3	42.5°	769.4	761.5	769.4	781.3	793.3	808.4	823.6	831.1	838.7	833.0
735.0	45°	720.9	711.9	720.9	735.0	749.0	766.3	783.6	790.4	797.3	789.1
708.2	47.5°	695.2	686.6	695.2	708.2	721.2	736.6	752.0	756.7	761.5	752.1
696.5	50°	684.5	676.1	684.5	696.5	708.5	720.8	733.1	733.3	733.6	721.5
689.6	52.5°	678.9	671.2	678.9	689.6	700.4	710.4	720.4	717.8	715.2	700.9
681.6	55°	672.2	665.2	672.2	681.6	691.0	699.8	708.5	704.9	701.3	686.1
668.9	57.5°	659.5	652.3	659.5	668.9	678.2	687.1	695.9	692.3	688.6	673.3
651.5	60°	641.9	634.4	641.9	651.5	661.1	669.7	678.4	674.4	670.4	655.0
624.7	62.5°	614.6	605.6	614.6	624.7	634.8	642.6	650.4	646.6	642.8	628.7
587.9	65°	578.1	570.4	578.1	587.9	597.7	605.2	612.7	608.8	604.9	592.5
546.8	67.5°	537.6	530.7	537.6	546.8	555.9	562.7	569.6	565.9	562.1	551.3
503.7	70°	494.9	487.0	494.9	503.7	512.4	518.0	523.6	520.0	516.3	506.6
455.3	72.5°	447.0	439.3	447.0	455.3	463.7	468.3	473.0	468.6	464.3	454.8
401.1	75°	394.1	386.7	394.1	401.1	408.1	410.3	412.6	408.1	403.5	394.9
340.5	77.5°	333.5	327.6	333.5	340.5	347.6	350.9	354.0	349.8	345.5	336.5
275.7	80°	266.2	255.2	266.2	275.7	285.2	286.5	287.9	282.3	276.6	269.8
205.7	82.5°	197.7	190.6	197.7	205.7	213.7	214.4	215.0	205.3	195.7	181.0
128.3	85°	122.0	115.7	122.0	128.3	134.5	135.5	136.5	124.6	112.7	98.9
53.5	87.5°	50.2	47.2	50.2	53.5	56.7	58.0	59.2	54.4	49.5	43.7
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1293.7	0°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
1214.0	2.5°	1221.5	1229.0	1236.5	1244.0	1252.6	1261.2	1270.6	1280.2	1291.9	1302.5
1152.0	5°	1164.1	1176.1	1189.4	1202.7	1217.8	1232.9	1250.9	1268.9	1289.5	1310.3
1114.2	7.5°	1129.0	1143.8	1160.5	1177.3	1197.1	1217.0	1240.9	1264.8	1291.4	1319.9
1107.3	10°	1123.9	1140.5	1158.6	1176.6	1196.5	1216.3	1241.6	1266.8	1295.4	1330.5
1139.0	12.5°	1156.2	1173.4	1187.5	1201.7	1214.8	1228.1	1248.6	1269.3	1295.9	1332.8
1205.3	15°	1220.3	1235.2	1238.9	1242.5	1240.8	1239.0	1248.8	1258.7	1280.0	1320.9
1275.8	17.5°	1287.8	1299.9	1288.4	1276.9	1255.3	1233.6	1230.0	1226.4	1239.6	1287.6
1319.7	20°	1325.4	1330.9	1306.8	1282.8	1245.1	1207.6	1190.7	1173.8	1177.3	1233.2
1319.2	22.5°	1315.9	1312.5	1281.2	1249.9	1206.9	1164.0	1139.0	1114.1	1107.3	1171.0
1275.6	25°	1264.1	1252.6	1221.7	1190.9	1152.3	1113.7	1084.9	1056.1	1037.8	1103.1
1199.6	27.5°	1186.8	1173.9	1149.2	1124.5	1092.8	1061.1	1033.3	1005.5	983.2	1042.6
1119.7	30°	1109.3	1098.8	1078.3	1057.8	1031.5	1005.2	983.0	961.0	943.5	993.3
1052.7	32.5°	1041.1	1029.5	1009.8	990.1	969.1	948.1	935.0	922.0	914.2	954.4
991.1	35°	977.2	963.3	943.8	924.3	908.4	892.3	888.7	885.1	888.4	921.9
934.8	37.5°	917.6	900.4	881.0	861.5	850.1	838.6	842.5	846.5	858.3	887.6
879.9	40°	860.1	840.3	821.6	802.8	794.5	786.2	795.2	804.2	822.3	848.9
827.3	42.5°	805.9	784.6	766.8	749.0	742.2	735.5	747.4	759.3	782.1	806.6
780.9	45°	758.7	736.6	719.7	702.8	697.1	691.4	703.0	714.6	736.7	761.5
742.7	47.5°	720.8	699.0	682.5	666.0	660.6	655.3	665.0	674.7	693.8	725.8
709.4	50°	689.8	670.3	654.7	639.1	630.8	622.4	631.0	639.6	661.7	703.8
686.6	52.5°	668.3	650.1	635.8	621.5	609.0	596.5	604.9	613.5	644.4	692.8
670.9	55°	655.0	639.0	623.6	608.2	590.4	572.6	586.1	599.6	646.1	691.1
658.0	57.5°	642.2	626.4	608.3	590.2	571.1	551.9	571.6	591.2	647.8	687.5
639.6	60°	623.6	607.5	586.8	566.0	549.2	532.4	557.9	583.4	642.4	668.6
614.6	62.5°	597.4	580.3	556.1	531.9	521.2	510.6	542.4	574.3	629.0	632.2
580.1	65°	563.7	547.3	521.3	495.4	491.4	487.2	521.1	555.0	596.7	596.3
540.6	67.5°	525.1	509.6	485.6	461.7	463.0	464.3	492.5	520.6	544.1	545.2
496.9	70°	483.5	470.1	449.1	428.0	432.5	437.0	457.0	477.1	484.8	484.8
445.3	72.5°	433.2	421.1	404.5	388.0	394.5	401.0	414.8	428.5	428.4	423.5
386.2	75°	375.2	364.3	352.0	339.7	346.0	352.2	362.8	373.4	375.3	352.9
327.4	77.5°	318.0	308.5	298.5	288.5	294.9	301.2	309.7	318.2	319.2	282.2
262.9	80°	254.9	247.0	238.7	230.3	235.7	241.0	248.2	255.3	255.4	211.2
166.3	82.5°	169.1	171.9	172.6	173.3	177.0	180.8	184.3	187.7	185.7	147.9
85.1	85°	92.8	100.5	104.1	107.7	111.9	116.2	119.9	123.6	120.9	92.8
38.0	87.5°	43.9	49.7	49.9	50.0	50.8	51.6	53.1	54.6	51.1	39.5
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°
1293.7	0°	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7	1293.7
1313.4	2.5°	1324.4	1335.8	1347.2	1358.5	1369.9	1380.6	1391.2
1332.4	5°	1354.5	1378.1	1401.8	1425.3	1448.8	1472.4	1496.0
1350.7	7.5°	1381.5	1416.5	1451.5	1487.5	1523.4	1562.3	1601.2
1367.1	10°	1403.5	1446.0	1488.5	1536.0	1583.5	1632.7	1681.9
1374.1	12.5°	1415.3	1465.4	1515.6	1569.4	1623.2	1677.2	1731.3
1368.6	15°	1416.4	1474.1	1531.9	1590.2	1648.6	1705.0	1761.3
1345.1	17.5°	1402.5	1469.5	1536.5	1600.2	1663.9	1721.1	1778.2
1304.4	20°	1375.6	1456.8	1538.0	1608.0	1678.0	1737.4	1796.8
1256.7	22.5°	1342.4	1441.2	1540.0	1618.5	1697.0	1757.7	1818.4
1203.4	25°	1303.9	1425.8	1547.9	1637.6	1727.3	1786.7	1846.2
1154.7	27.5°	1266.9	1415.6	1564.2	1667.4	1770.5	1827.2	1883.9
1114.0	30°	1234.7	1410.7	1586.7	1706.0	1825.3	1880.0	1934.8
1078.9	32.5°	1203.4	1404.8	1606.0	1746.2	1886.4	1940.6	1994.9
1044.4	35°	1167.0	1393.6	1620.2	1792.1	1964.0	2015.9	2067.9
1003.8	37.5°	1120.0	1374.3	1628.7	1843.5	2058.3	2124.5	2190.7
955.4	40°	1061.9	1347.9	1634.0	1908.7	2183.4	2279.9	2376.4
901.9	42.5°	997.2	1320.6	1644.1	1994.0	2344.0	2483.3	2622.6
845.1	45°	928.7	1295.2	1661.8	2106.3	2550.9	2738.8	2926.7
800.2	47.5°	874.6	1274.3	1673.9	2226.0	2778.0	3042.5	3306.9
770.4	50°	836.9	1251.4	1666.0	2337.0	3007.9	3406.7	3805.3
750.7	52.5°	808.7	1212.9	1617.1	2409.0	3200.9	3789.2	4377.5
736.4	55°	781.8	1148.9	1516.1	2393.2	3270.2	4128.4	4986.6
719.6	57.5°	751.6	1058.8	1365.9	2281.4	3196.9	4368.7	5540.6
693.8	60°	718.9	941.7	1164.5	2073.3	2982.1	4428.8	5875.4
648.9	62.5°	665.6	801.6	937.6	1792.0	2646.3	4175.9	5705.4
604.2	65°	612.1	675.6	739.1	1505.0	2270.9	3818.0	5365.1
540.8	67.5°	536.4	554.5	572.5	1223.8	1875.1	3392.1	4909.1
464.4	70°	443.9	438.8	433.6	963.6	1493.5	2927.4	4361.3
394.6	72.5°	365.6	350.0	334.5	736.6	1138.8	2423.6	3708.5
320.4	75°	287.9	273.8	259.7	534.6	809.6	1846.2	2882.7
250.7	77.5°	219.2	209.5	200.0	362.3	524.6	1292.1	2059.7
184.6	80°	157.9	153.9	149.9	233.4	317.0	832.5	1348.0
128.3	82.5°	108.6	107.8	107.1	143.6	180.1	481.8	783.6
78.4	85°	64.0	64.4	64.8	76.7	88.8	216.7	344.8
33.6	87.5°	27.7	28.0	28.4	31.8	35.2	71.0	106.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)