

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: P946478

Luminaire Tested: **GALN-SB2A-840-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946478  
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-SB2A-840-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

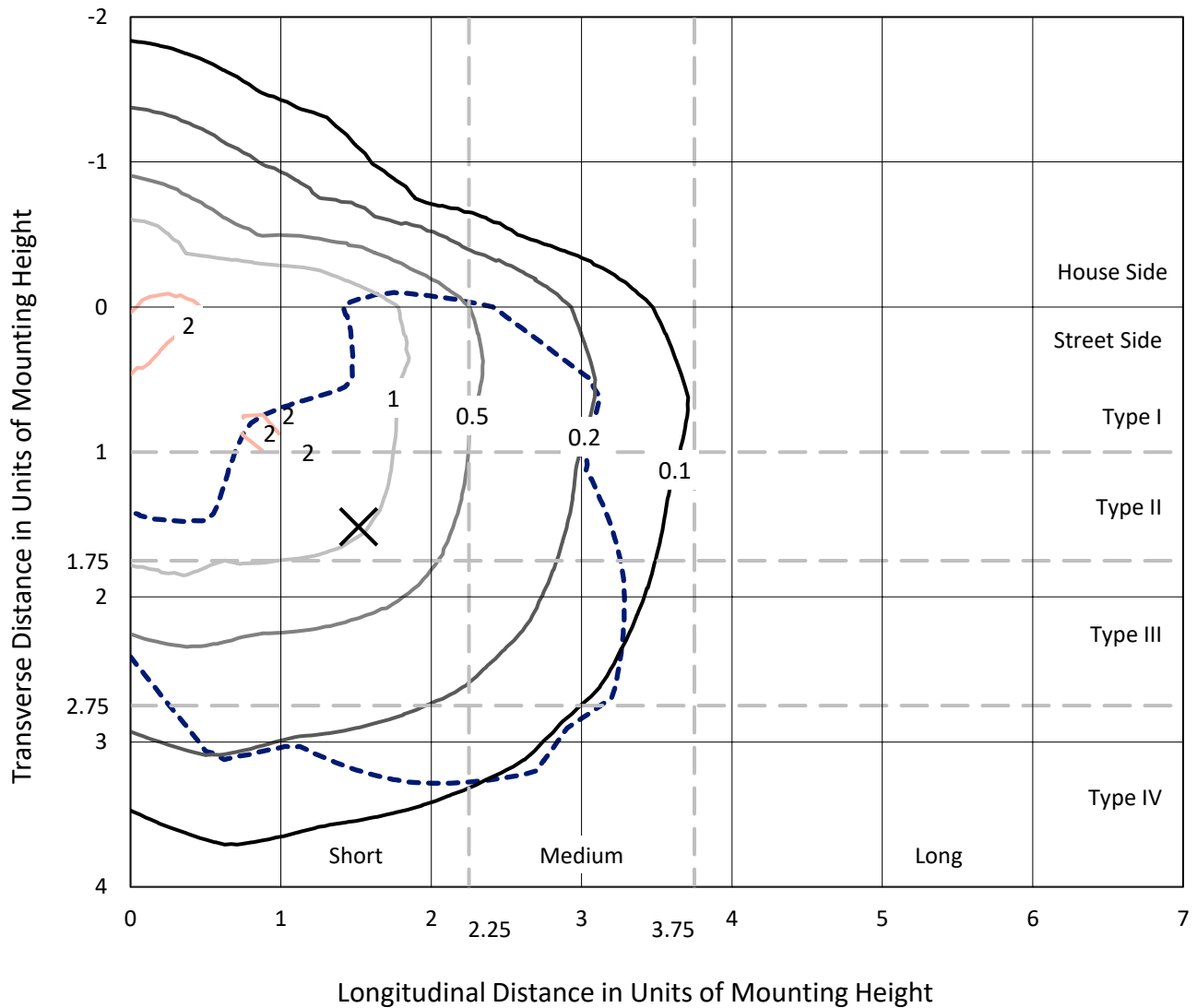
Lumens per Lamp: N/A  
Luminaire Lumens: 8550 lumens  
Efficiency: N/A  
Efficacy: 149.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

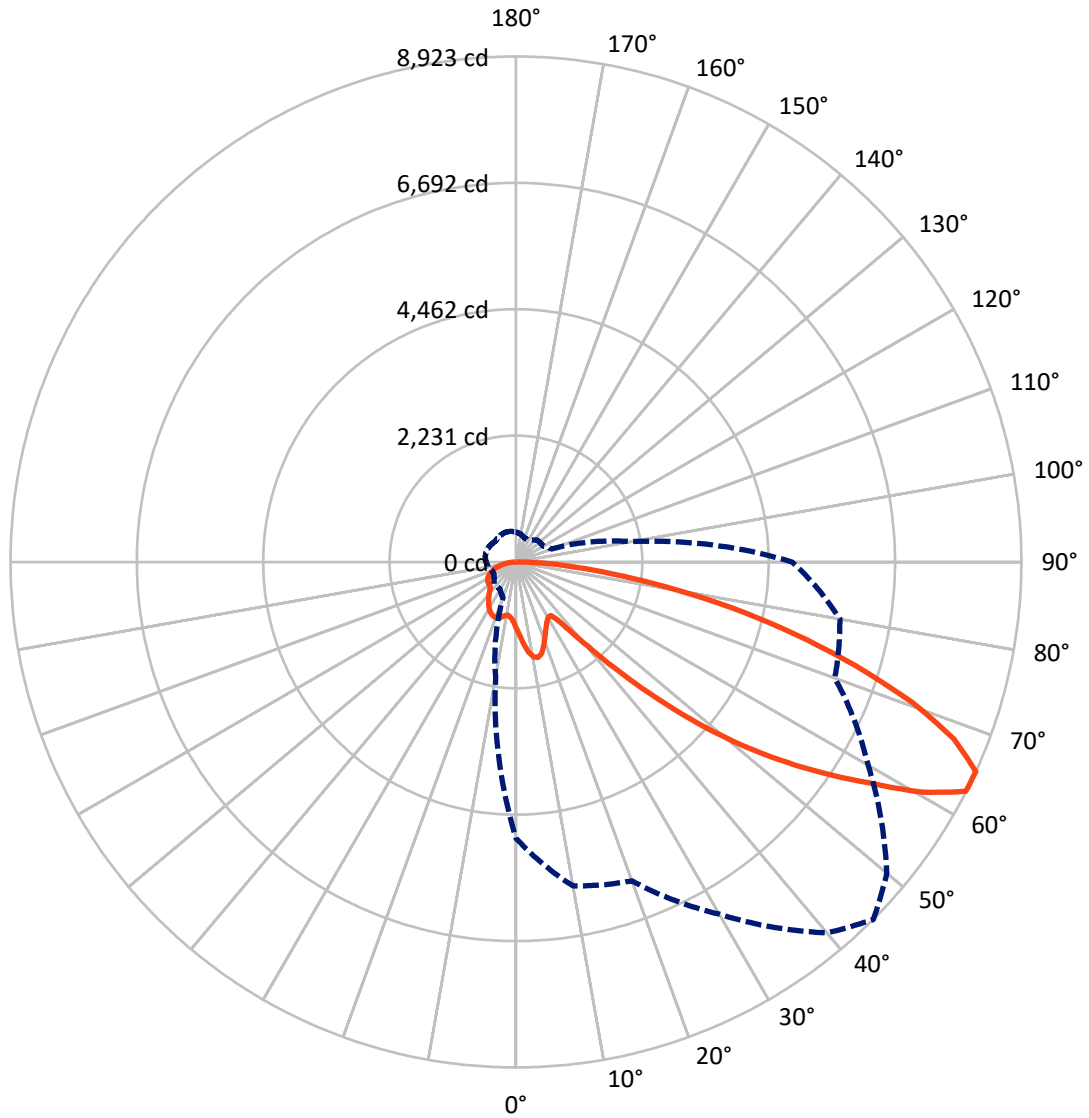
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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	2173.0	0.0	2173.0
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	6377.0	0.0	6377.0
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	8550.0	0.0	8550.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.6	1.4
10°-20°	366.1	4.3
20°-30°	565.5	6.6
30°-40°	716.7	8.4
40°-50°	1080.9	12.6
50°-60°	1746.4	20.4
60°-70°	2177.1	25.5
70°-80°	1427.7	16.7
80°-90°	353.0	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°	8550.0	100.0
0°-180°	8550.0	100.0



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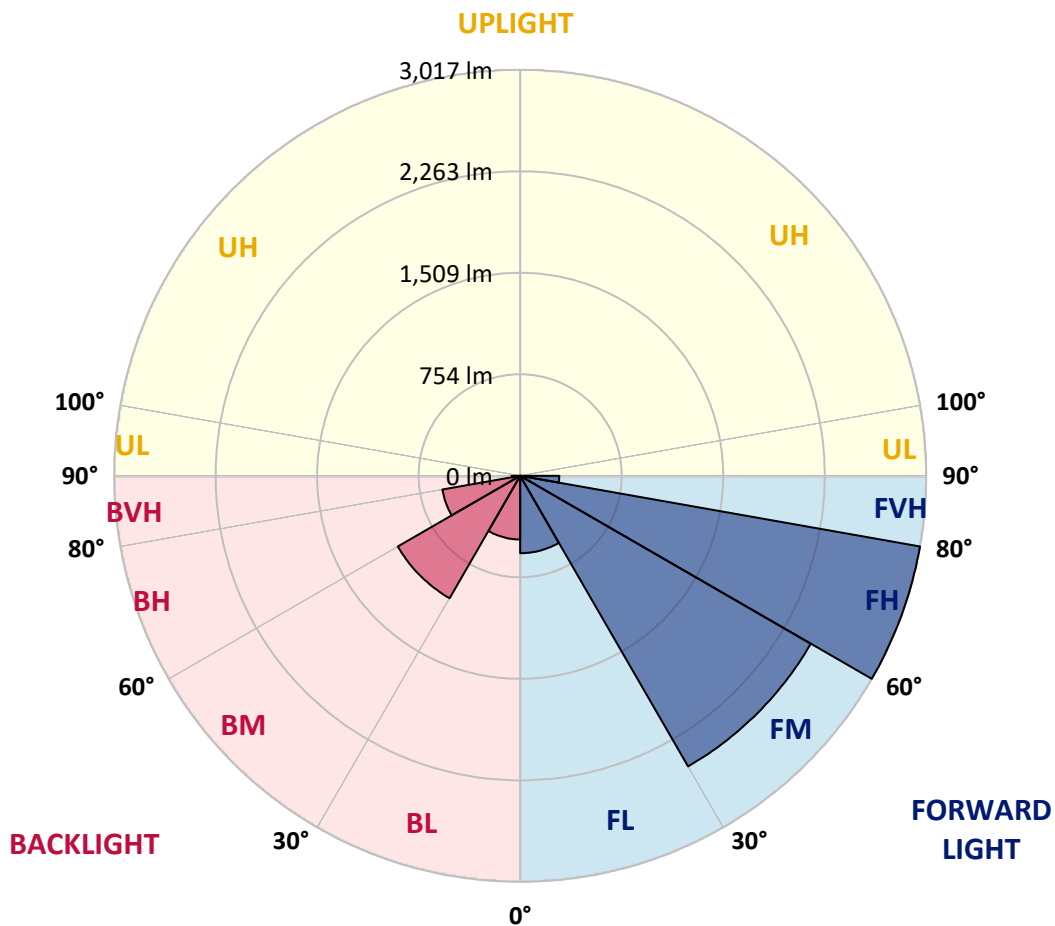
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	575.1	6.7			
FM (30°-60°)	2493.8	29.2			
FH (60°-80°)	3017.3	35.3			G2/5000
FVH (80°-90°)	290.8	3.4			G3/500
BL (0°-30°)	473.2	5.5	B1/500		
BM (30°-60°)	1050.1	12.3	B2/2500		
BH (60°-80°)	587.5	6.9	B2/1000		G2/1000
BVH (80°-90°)	62.2	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°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
2.5°	1264.3	1269.1	1274.0	1280.8	1287.6	1291.6	1295.7	1297.7	1299.8	1298.9
5°	1359.5	1376.3	1393.1	1409.7	1426.3	1435.3	1444.4	1449.8	1455.3	1459.5
7.5°	1455.2	1482.4	1509.6	1534.1	1558.6	1573.4	1588.1	1596.1	1604.1	1607.9
10°	1528.5	1560.7	1592.9	1621.7	1650.4	1667.8	1685.1	1692.9	1700.6	1703.5
12.5°	1573.4	1608.3	1643.2	1669.2	1695.1	1707.7	1720.3	1724.6	1728.8	1729.3
15°	1600.7	1630.8	1660.9	1677.2	1693.5	1694.0	1694.4	1689.9	1685.4	1680.1
17.5°	1616.0	1636.4	1656.7	1657.0	1657.3	1639.0	1620.8	1604.0	1587.2	1575.4
20°	1632.9	1640.0	1647.2	1625.7	1604.3	1564.0	1523.6	1494.3	1464.9	1446.8
22.5°	1652.6	1643.3	1634.0	1589.6	1545.2	1485.9	1426.5	1389.8	1353.1	1333.2
25°	1677.8	1648.5	1619.2	1551.8	1484.4	1412.3	1340.3	1301.7	1263.1	1244.3
27.5°	1712.1	1659.7	1607.2	1517.9	1428.7	1348.9	1269.0	1231.0	1193.1	1175.2
30°	1758.4	1680.2	1602.0	1492.1	1382.2	1299.0	1215.9	1180.6	1145.4	1128.8
32.5°	1812.9	1705.9	1598.9	1474.5	1350.2	1272.0	1193.8	1166.2	1138.5	1126.5
35°	1879.3	1748.3	1617.3	1487.7	1358.2	1303.9	1249.6	1243.1	1236.7	1235.7
37.5°	1990.9	1836.8	1682.7	1565.0	1447.2	1443.7	1440.2	1469.7	1499.2	1514.5
40°	2159.7	1992.1	1824.5	1736.9	1649.3	1711.1	1772.9	1844.7	1916.4	1952.1
42.5°	2383.4	2217.1	2050.8	2000.4	1950.0	2084.8	2219.6	2350.0	2480.5	2557.1
45°	2659.8	2510.4	2361.0	2338.7	2316.4	2532.4	2748.4	2962.8	3177.2	3307.4
47.5°	3005.3	2860.0	2714.7	2710.2	2705.6	3017.2	3328.7	3642.5	3956.4	4140.7
50°	3458.3	3278.8	3099.3	3100.1	3100.8	3502.4	3903.9	4318.2	4732.5	4983.0
52.5°	3978.2	3760.9	3543.6	3521.6	3499.6	3979.2	4458.8	4971.4	5484.0	5784.2
55°	4531.8	4317.1	4102.3	4016.6	3931.0	4464.8	4998.5	5609.6	6220.7	6577.8
57.5°	5035.3	4918.4	4801.4	4629.5	4457.7	4996.7	5535.7	6227.9	6920.0	7362.8
60°	5339.6	5521.2	5702.9	5489.5	5276.1	5786.2	6296.3	7037.3	7778.4	8257.0
62.5°	5185.1	5681.4	6177.7	6153.6	6129.6	6596.8	7064.1	7769.2	8474.2	8916.5
65°	4875.8	5341.6	5807.4	5899.6	5991.7	6585.5	7179.4	7863.1	8546.7	8923.3
67.5°	4461.4	4904.5	5347.5	5390.7	5433.9	6052.6	6671.3	7357.9	8044.5	8339.5
70°	3963.6	4445.5	4927.4	4946.7	4966.0	5519.3	6072.6	6663.5	7254.3	7418.3
72.5°	3370.3	3923.3	4476.3	4490.2	4504.1	4936.9	5369.8	5812.4	6254.8	6271.4
75°	2619.8	3192.2	3764.5	3815.9	3867.3	4204.0	4540.8	4852.4	5163.9	5080.4
77.5°	1871.8	2406.1	2940.4	3013.9	3087.4	3343.5	3599.5	3820.4	4041.4	3897.9
80°	1225.1	1674.6	2124.0	2215.4	2306.8	2500.2	2693.5	2809.5	2925.5	2694.7
82.5°	712.1	1019.4	1326.7	1428.8	1531.0	1664.1	1797.2	1845.6	1893.9	1712.6
85°	313.3	476.4	639.5	726.4	813.2	922.6	1031.9	1059.3	1086.8	941.6
87.5°	97.0	151.8	206.6	255.1	303.5	358.2	412.9	415.2	417.5	350.5
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°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1299.8	2.5°	1297.7	1295.7	1291.6	1287.6	1280.8	1274.0	1269.1	1264.3	1254.7	1245.0
1455.3	5°	1449.8	1444.4	1435.3	1426.3	1409.7	1393.1	1376.3	1359.5	1338.1	1316.7
1604.1	7.5°	1596.1	1588.1	1573.4	1558.6	1534.1	1509.6	1482.4	1455.2	1419.8	1384.5
1700.6	10°	1692.9	1685.1	1667.8	1650.4	1621.7	1592.9	1560.7	1528.5	1483.8	1439.1
1728.8	12.5°	1724.6	1720.3	1707.7	1695.1	1669.2	1643.2	1608.3	1573.4	1524.3	1475.2
1685.4	15°	1689.9	1694.4	1694.0	1693.5	1677.2	1660.9	1630.8	1600.7	1549.5	1498.3
1587.2	17.5°	1604.0	1620.8	1639.0	1657.3	1657.0	1656.7	1636.4	1616.0	1564.1	1512.2
1464.9	20°	1494.3	1523.6	1564.0	1604.3	1625.7	1647.2	1640.0	1632.9	1579.0	1525.0
1353.1	22.5°	1389.8	1426.5	1485.9	1545.2	1589.6	1634.0	1643.3	1652.6	1597.4	1542.3
1263.1	25°	1301.7	1340.3	1412.3	1484.4	1551.8	1619.2	1648.5	1677.8	1623.8	1569.8
1193.1	27.5°	1231.0	1269.0	1348.9	1428.7	1517.9	1607.2	1659.7	1712.1	1660.6	1609.0
1145.4	30°	1180.6	1215.9	1299.0	1382.2	1492.1	1602.0	1680.2	1758.4	1708.6	1658.8
1138.5	32.5°	1166.2	1193.8	1272.0	1350.2	1474.5	1598.9	1705.9	1812.9	1763.6	1714.4
1236.7	35°	1243.1	1249.6	1303.9	1358.2	1487.7	1617.3	1748.3	1879.3	1832.1	1784.8
1499.2	37.5°	1469.7	1440.2	1443.7	1447.2	1565.0	1682.7	1836.8	1990.9	1930.7	1870.6
1916.4	40°	1844.7	1772.9	1711.1	1649.3	1736.9	1824.5	1992.1	2159.7	2072.0	1984.3
2480.5	42.5°	2350.0	2219.6	2084.8	1950.0	2000.4	2050.8	2217.1	2383.4	2256.8	2130.2
3177.2	45°	2962.8	2748.4	2532.4	2316.4	2338.7	2361.0	2510.4	2659.8	2489.0	2318.2
3956.4	47.5°	3642.5	3328.7	3017.2	2705.6	2710.2	2714.7	2860.0	3005.3	2765.0	2524.6
4732.5	50°	4318.2	3903.9	3502.4	3100.8	3100.1	3099.3	3278.8	3458.3	3096.0	2733.6
5484.0	52.5°	4971.4	4458.8	3979.2	3499.6	3521.6	3543.6	3760.9	3978.2	3443.6	2909.0
6220.7	55°	5609.6	4998.5	4464.8	3931.0	4016.6	4102.3	4317.1	4531.8	3751.9	2972.0
6920.0	57.5°	6227.9	5535.7	4996.7	4457.7	4629.5	4801.4	4918.4	5035.3	3970.3	2905.3
7778.4	60°	7037.3	6296.3	5786.2	5276.1	5489.5	5702.9	5521.2	5339.6	4024.9	2710.2
8474.2	62.5°	7769.2	7064.1	6596.8	6129.6	6153.6	6177.7	5681.4	5185.1	3795.0	2405.0
8546.7	65°	7863.1	7179.4	6585.5	5991.7	5899.6	5807.4	5341.6	4875.8	3469.8	2063.8
8044.5	67.5°	7357.9	6671.3	6052.6	5433.9	5390.7	5347.5	4904.5	4461.4	3082.8	1704.1
7254.3	70°	6663.5	6072.6	5519.3	4966.0	4946.7	4927.4	4445.5	3963.6	2660.4	1357.3
6254.8	72.5°	5812.4	5369.8	4936.9	4504.1	4490.2	4476.3	3923.3	3370.3	2202.6	1034.9
5163.9	75°	4852.4	4540.8	4204.0	3867.3	3815.9	3764.5	3192.2	2619.8	1677.8	735.7
4041.4	77.5°	3820.4	3599.5	3343.5	3087.4	3013.9	2940.4	2406.1	1871.8	1174.3	476.8
2925.5	80°	2809.5	2693.5	2500.2	2306.8	2215.4	2124.0	1674.6	1225.1	756.6	288.1
1893.9	82.5°	1845.6	1797.2	1664.1	1531.0	1428.8	1326.7	1019.4	712.1	437.9	163.7
1086.8	85°	1059.3	1031.9	922.6	813.2	726.4	639.5	476.4	313.3	197.0	80.7
417.5	87.5°	415.2	412.9	358.2	303.5	255.1	206.6	151.8	97.0	64.5	32.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1234.6	2.5°	1224.3	1214.0	1203.6	1193.7	1183.7	1174.1	1163.4	1154.8	1146.1	1138.3
1295.3	5°	1274.0	1252.4	1231.0	1210.9	1190.8	1171.9	1153.1	1136.8	1120.4	1106.7
1351.8	7.5°	1319.2	1287.4	1255.6	1227.5	1199.5	1173.7	1149.4	1127.7	1106.0	1087.9
1395.9	10°	1352.8	1314.2	1275.5	1242.4	1209.2	1177.3	1151.2	1128.3	1105.4	1087.4
1426.3	12.5°	1377.4	1331.8	1286.2	1248.7	1211.2	1177.7	1153.5	1134.7	1116.1	1104.1
1445.2	15°	1392.2	1339.7	1287.2	1243.8	1200.4	1163.3	1143.9	1134.9	1126.0	1127.6
1454.3	17.5°	1396.4	1335.5	1274.6	1222.4	1170.2	1126.5	1114.6	1117.9	1121.1	1140.8
1461.4	20°	1397.8	1323.9	1250.1	1185.4	1120.7	1069.9	1066.7	1082.1	1097.4	1131.6
1470.9	22.5°	1399.6	1309.8	1220.0	1142.1	1064.2	1006.3	1012.5	1035.2	1057.9	1096.8
1488.3	25°	1406.7	1295.8	1184.9	1093.7	1002.5	943.1	959.8	986.0	1012.2	1047.2
1515.3	27.5°	1421.6	1286.5	1151.3	1049.4	947.5	893.5	913.8	939.1	964.3	993.2
1550.4	30°	1442.0	1282.1	1122.1	1012.4	902.8	857.4	873.3	893.4	913.5	937.4
1587.0	32.5°	1459.6	1276.7	1093.7	980.5	867.3	830.8	837.9	849.7	861.6	880.7
1628.7	35°	1472.5	1266.5	1060.6	949.2	837.8	807.3	804.4	807.6	810.9	825.5
1675.3	37.5°	1480.1	1249.0	1017.9	912.3	806.7	780.0	769.3	765.7	762.1	772.6
1734.6	40°	1485.0	1225.0	965.0	868.2	771.5	747.3	730.9	722.7	714.5	722.1
1812.2	42.5°	1494.1	1200.2	906.3	819.7	733.0	710.8	690.0	679.2	668.4	674.5
1914.2	45°	1510.2	1177.1	844.0	768.0	692.1	669.5	649.4	638.9	628.4	633.5
2023.0	47.5°	1521.3	1158.1	794.8	727.2	659.6	630.5	613.2	604.4	595.5	600.4
2123.8	50°	1514.1	1137.3	760.5	700.1	639.6	601.4	581.3	573.5	565.7	573.2
2189.3	52.5°	1469.6	1102.3	734.9	682.2	629.6	585.6	557.5	549.8	542.1	553.5
2174.9	55°	1377.8	1044.1	710.5	669.3	628.1	587.2	544.9	532.6	520.4	536.6
2073.3	57.5°	1241.3	962.2	683.0	653.9	624.8	588.8	537.3	519.5	501.6	519.0
1884.2	60°	1058.3	855.8	653.4	630.5	607.6	583.8	530.2	507.0	483.9	499.2
1628.6	62.5°	852.1	728.5	604.9	589.7	574.5	571.6	521.9	492.9	464.0	473.7
1367.7	65°	671.7	614.0	556.3	549.1	541.9	542.3	504.4	473.6	442.8	446.5
1112.2	67.5°	520.3	503.9	487.5	491.5	495.5	494.5	473.2	447.5	421.9	420.7
875.7	70°	394.1	398.8	403.4	422.0	440.5	440.5	433.6	415.3	397.1	393.0
669.5	72.5°	304.0	318.1	332.3	358.6	384.9	389.3	389.4	376.9	364.4	358.5
485.9	75°	236.0	248.9	261.7	291.2	320.7	341.1	339.4	329.7	320.1	314.4
329.2	77.5°	181.7	190.4	199.2	227.8	256.5	290.1	289.2	281.5	273.8	268.0
212.1	80°	136.2	139.9	143.5	167.7	192.0	232.1	232.0	225.5	219.0	214.2
130.5	82.5°	97.4	98.0	98.7	116.6	134.4	168.7	170.6	167.5	164.3	160.9
69.7	85°	58.9	58.6	58.2	71.3	84.4	109.9	112.3	109.0	105.6	101.7
28.9	87.5°	25.8	25.5	25.2	30.5	35.9	46.5	49.6	48.3	46.9	46.2
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°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1130.6	2.5°	1123.8	1117.0	1110.1	1103.3	1098.0	1092.7	1088.4	1084.1	1080.8	1077.4
1093.0	5°	1081.0	1068.9	1057.9	1046.9	1038.5	1030.0	1024.1	1018.2	1014.0	1009.8
1069.9	7.5°	1054.7	1039.5	1026.0	1012.6	1002.5	992.5	985.5	978.5	973.6	968.8
1069.3	10°	1052.9	1036.5	1021.4	1006.3	994.3	982.2	974.4	966.5	961.9	957.3
1092.1	12.5°	1079.2	1066.4	1050.8	1035.2	1019.8	1004.5	994.3	984.2	979.1	974.0
1129.2	15°	1125.9	1122.6	1109.0	1095.4	1073.6	1051.7	1036.3	1020.9	1013.8	1006.7
1160.4	17.5°	1170.9	1181.3	1170.4	1159.5	1130.5	1101.6	1078.9	1056.1	1045.7	1035.2
1165.8	20°	1187.7	1209.5	1204.5	1199.4	1166.3	1133.3	1105.4	1077.6	1064.2	1050.7
1135.9	22.5°	1164.4	1192.8	1195.9	1198.9	1167.4	1135.8	1107.1	1078.3	1064.2	1050.1
1082.3	25°	1110.3	1138.3	1148.8	1159.2	1133.3	1107.5	1081.9	1056.5	1044.2	1032.0
1021.9	27.5°	1044.4	1066.9	1078.5	1090.2	1071.8	1053.3	1033.5	1013.7	1005.5	997.3
961.3	30°	979.9	998.6	1008.1	1017.6	1003.5	989.5	975.3	961.0	956.8	952.6
899.8	32.5°	917.7	935.6	946.1	956.7	943.8	930.8	919.5	908.2	905.4	902.7
840.0	35°	857.7	875.5	888.1	900.7	891.5	882.4	871.9	861.5	857.3	853.1
783.0	37.5°	800.6	818.3	833.9	849.5	845.3	841.0	831.4	821.8	814.1	806.6
729.6	40°	746.7	763.7	781.7	799.7	800.7	801.7	793.5	785.4	774.3	763.3
680.7	42.5°	696.8	713.0	732.4	751.8	757.0	762.2	755.3	748.5	734.7	720.9
638.7	45°	654.1	669.4	689.5	709.7	717.1	724.5	718.3	712.1	696.4	680.7
605.2	47.5°	620.2	635.2	655.1	674.9	683.5	692.1	687.7	683.4	669.4	655.4
580.9	50°	595.0	609.1	626.9	644.7	655.7	666.7	666.4	666.3	655.1	643.9
564.8	52.5°	577.8	590.8	607.3	623.9	637.0	650.0	652.4	654.7	645.6	636.5
552.7	55°	566.7	580.7	595.2	609.7	623.5	637.4	640.6	643.9	635.9	628.0
536.4	57.5°	552.8	569.3	583.6	598.0	611.9	625.8	629.1	632.4	624.4	616.4
514.4	60°	533.3	552.1	566.7	581.3	595.3	609.3	612.9	616.5	608.6	600.8
483.4	62.5°	505.4	527.4	543.0	558.5	571.3	584.1	587.6	591.1	584.0	576.9
450.2	65°	473.8	497.4	512.3	527.2	538.4	549.7	553.3	556.8	550.0	543.2
419.6	67.5°	441.3	463.1	477.2	491.3	501.0	510.8	514.3	517.7	511.4	505.2
389.0	70°	408.1	427.2	439.4	451.6	460.4	469.2	472.5	475.9	470.8	465.7
352.6	72.5°	367.6	382.7	393.7	404.7	413.3	421.9	425.9	429.9	425.6	421.4
308.7	75°	319.9	331.1	341.0	351.0	358.8	366.7	370.8	375.0	372.9	370.8
262.2	77.5°	271.3	280.4	289.0	297.5	305.8	314.0	317.9	321.8	318.9	315.9
209.3	80°	216.9	224.4	231.7	238.9	245.2	251.4	256.5	261.7	260.4	259.2
157.5	82.5°	156.8	156.2	153.7	151.1	164.5	177.8	186.6	195.3	194.8	194.2
97.9	85°	94.7	91.4	84.4	77.4	89.9	102.4	113.2	124.1	123.2	122.3
45.5	87.5°	45.3	45.2	39.9	34.5	39.7	45.0	49.4	53.8	52.7	51.5
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1074.4	2.5°	1071.3	1067.4	1071.3	1074.4	1077.4	1080.8	1084.1	1088.4	1092.7	1098.0
1006.6	5°	1003.4	1000.2	1003.4	1006.6	1009.8	1014.0	1018.2	1024.1	1030.0	1038.5
966.0	7.5°	963.1	961.0	963.1	966.0	968.8	973.6	978.5	985.5	992.5	1002.5
954.9	10°	952.5	951.5	952.5	954.9	957.3	961.9	966.5	974.4	982.2	994.3
972.0	12.5°	969.9	969.5	969.9	972.0	974.0	979.1	984.2	994.3	1004.5	1019.8
1004.0	15°	1001.3	1001.1	1001.3	1004.0	1006.7	1013.8	1020.9	1036.3	1051.7	1073.6
1031.7	17.5°	1028.3	1027.7	1028.3	1031.7	1035.2	1045.7	1056.1	1078.9	1101.6	1130.5
1046.4	20°	1042.2	1040.8	1042.2	1046.4	1050.7	1064.2	1077.6	1105.4	1133.3	1166.3
1045.3	22.5°	1040.6	1038.5	1040.6	1045.3	1050.1	1064.2	1078.3	1107.1	1135.8	1167.4
1027.5	25°	1023.1	1020.5	1023.1	1027.5	1032.0	1044.2	1056.5	1081.9	1107.5	1133.3
995.2	27.5°	993.2	992.5	993.2	995.2	997.3	1005.5	1013.7	1033.5	1053.3	1071.8
952.6	30°	952.6	953.3	952.6	952.6	952.6	956.8	961.0	975.3	989.5	1003.5
903.0	32.5°	903.4	904.1	903.4	903.0	902.7	905.4	908.2	919.5	930.8	943.8
852.2	35°	851.3	850.9	851.3	852.2	853.1	857.3	861.5	871.9	882.4	891.5
802.6	37.5°	798.5	796.3	798.5	802.6	806.6	814.1	821.8	831.4	841.0	845.3
755.8	40°	748.4	743.9	748.4	755.8	763.3	774.3	785.4	793.5	801.7	800.7
710.1	42.5°	699.2	692.1	699.2	710.1	720.9	734.7	748.5	755.3	762.2	757.0
667.9	45°	655.2	647.0	655.2	667.9	680.7	696.4	712.1	718.3	724.5	717.1
643.6	47.5°	631.8	623.9	631.8	643.6	655.4	669.4	683.4	687.7	692.1	683.5
633.0	50°	622.0	614.5	622.0	633.0	643.9	655.1	666.3	666.4	666.7	655.7
626.7	52.5°	616.9	610.0	616.9	626.7	636.5	645.6	654.7	652.4	650.0	637.0
619.4	55°	610.9	604.5	610.9	619.4	628.0	635.9	643.9	640.6	637.4	623.5
607.9	57.5°	599.4	592.8	599.4	607.9	616.4	624.4	632.4	629.1	625.8	611.9
592.1	60°	583.3	576.6	583.3	592.1	600.8	608.6	616.5	612.9	609.3	595.3
567.7	62.5°	558.5	550.4	558.5	567.7	576.9	584.0	591.1	587.6	584.1	571.3
534.3	65°	525.4	518.4	525.4	534.3	543.2	550.0	556.8	553.3	549.7	538.4
496.9	67.5°	488.6	482.3	488.6	496.9	505.2	511.4	517.7	514.3	510.8	501.0
457.7	70°	449.8	442.6	449.8	457.7	465.7	470.8	475.9	472.5	469.2	460.4
413.8	72.5°	406.3	399.3	406.3	413.8	421.4	425.6	429.9	425.9	421.9	413.3
364.5	75°	358.1	351.4	358.1	364.5	370.8	372.9	375.0	370.8	366.7	358.8
309.5	77.5°	303.1	297.8	303.1	309.5	315.9	318.9	321.8	317.9	314.0	305.8
250.6	80°	241.9	231.9	241.9	250.6	259.2	260.4	261.7	256.5	251.4	245.2
187.0	82.5°	179.6	173.2	179.6	187.0	194.2	194.8	195.3	186.6	177.8	164.5
116.6	85°	110.9	105.1	110.9	116.6	122.3	123.2	124.1	113.2	102.4	89.9
48.6	87.5°	45.7	42.9	45.7	48.6	51.5	52.7	53.8	49.4	45.0	39.7
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°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1103.3	2.5°	1110.1	1117.0	1123.8	1130.6	1138.3	1146.1	1154.8	1163.4	1174.1	1183.7
1046.9	5°	1057.9	1068.9	1081.0	1093.0	1106.7	1120.4	1136.8	1153.1	1171.9	1190.8
1012.6	7.5°	1026.0	1039.5	1054.7	1069.9	1087.9	1106.0	1127.7	1149.4	1173.7	1199.5
1006.3	10°	1021.4	1036.5	1052.9	1069.3	1087.4	1105.4	1128.3	1151.2	1177.3	1209.2
1035.2	12.5°	1050.8	1066.4	1079.2	1092.1	1104.1	1116.1	1134.7	1153.5	1177.7	1211.2
1095.4	15°	1109.0	1122.6	1125.9	1129.2	1127.6	1126.0	1134.9	1143.9	1163.3	1200.4
1159.5	17.5°	1170.4	1181.3	1170.9	1160.4	1140.8	1121.1	1117.9	1114.6	1126.5	1170.2
1199.4	20°	1204.5	1209.5	1187.7	1165.8	1131.6	1097.4	1082.1	1066.7	1069.9	1120.7
1198.9	22.5°	1195.9	1192.8	1164.4	1135.9	1096.8	1057.9	1035.2	1012.5	1006.3	1064.2
1159.2	25°	1148.8	1138.3	1110.3	1082.3	1047.2	1012.2	986.0	959.8	943.1	1002.5
1090.2	27.5°	1078.5	1066.9	1044.4	1021.9	993.2	964.3	939.1	913.8	893.5	947.5
1017.6	30°	1008.1	998.6	979.9	961.3	937.4	913.5	893.4	873.3	857.4	902.8
956.7	32.5°	946.1	935.6	917.7	899.8	880.7	861.6	849.7	837.9	830.8	867.3
900.7	35°	888.1	875.5	857.7	840.0	825.5	810.9	807.6	804.4	807.3	837.8
849.5	37.5°	833.9	818.3	800.6	783.0	772.6	762.1	765.7	769.3	780.0	806.7
799.7	40°	781.7	763.7	746.7	729.6	722.1	714.5	722.7	730.9	747.3	771.5
751.8	42.5°	732.4	713.0	696.8	680.7	674.5	668.4	679.2	690.0	710.8	733.0
709.7	45°	689.5	669.4	654.1	638.7	633.5	628.4	638.9	649.4	669.5	692.1
674.9	47.5°	655.1	635.2	620.2	605.2	600.4	595.5	604.4	613.2	630.5	659.6
644.7	50°	626.9	609.1	595.0	580.9	573.2	565.7	573.5	581.3	601.4	639.6
623.9	52.5°	607.3	590.8	577.8	564.8	553.5	542.1	549.8	557.5	585.6	629.6
609.7	55°	595.2	580.7	566.7	552.7	536.6	520.4	532.6	544.9	587.2	628.1
598.0	57.5°	583.6	569.3	552.8	536.4	519.0	501.6	519.5	537.3	588.8	624.8
581.3	60°	566.7	552.1	533.3	514.4	499.2	483.9	507.0	530.2	583.8	607.6
558.5	62.5°	543.0	527.4	505.4	483.4	473.7	464.0	492.9	521.9	571.6	574.5
527.2	65°	512.3	497.4	473.8	450.2	446.5	442.8	473.6	504.4	542.3	541.9
491.3	67.5°	477.2	463.1	441.3	419.6	420.7	421.9	447.5	473.2	494.5	495.5
451.6	70°	439.4	427.2	408.1	389.0	393.0	397.1	415.3	433.6	440.5	440.5
404.7	72.5°	393.7	382.7	367.6	352.6	358.5	364.4	376.9	389.4	389.3	384.9
351.0	75°	341.0	331.1	319.9	308.7	314.4	320.1	329.7	339.4	341.1	320.7
297.5	77.5°	289.0	280.4	271.3	262.2	268.0	273.8	281.5	289.2	290.1	256.5
238.9	80°	231.7	224.4	216.9	209.3	214.2	219.0	225.5	232.0	232.1	192.0
151.1	82.5°	153.7	156.2	156.8	157.5	160.9	164.3	167.5	170.6	168.7	134.4
77.4	85°	84.4	91.4	94.7	97.9	101.7	105.6	109.0	112.3	109.9	84.4
34.5	87.5°	39.9	45.2	45.3	45.5	46.2	46.9	48.3	49.6	46.5	35.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
1175.7	0°	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7	1175.7
1193.7	2.5°	1203.6	1214.0	1224.3	1234.6	1245.0	1254.7	1264.3
1210.9	5°	1231.0	1252.4	1274.0	1295.3	1316.7	1338.1	1359.5
1227.5	7.5°	1255.6	1287.4	1319.2	1351.8	1384.5	1419.8	1455.2
1242.4	10°	1275.5	1314.2	1352.8	1395.9	1439.1	1483.8	1528.5
1248.7	12.5°	1286.2	1331.8	1377.4	1426.3	1475.2	1524.3	1573.4
1243.8	15°	1287.2	1339.7	1392.2	1445.2	1498.3	1549.5	1600.7
1222.4	17.5°	1274.6	1335.5	1396.4	1454.3	1512.2	1564.1	1616.0
1185.4	20°	1250.1	1323.9	1397.8	1461.4	1525.0	1579.0	1632.9
1142.1	22.5°	1220.0	1309.8	1399.6	1470.9	1542.3	1597.4	1652.6
1093.7	25°	1184.9	1295.8	1406.7	1488.3	1569.8	1623.8	1677.8
1049.4	27.5°	1151.3	1286.5	1421.6	1515.3	1609.0	1660.6	1712.1
1012.4	30°	1122.1	1282.1	1442.0	1550.4	1658.8	1708.6	1758.4
980.5	32.5°	1093.7	1276.7	1459.6	1587.0	1714.4	1763.6	1812.9
949.2	35°	1060.6	1266.5	1472.5	1628.7	1784.8	1832.1	1879.3
912.3	37.5°	1017.9	1249.0	1480.1	1675.3	1870.6	1930.7	1990.9
868.2	40°	965.0	1225.0	1485.0	1734.6	1984.3	2072.0	2159.7
819.7	42.5°	906.3	1200.2	1494.1	1812.2	2130.2	2256.8	2383.4
768.0	45°	844.0	1177.1	1510.2	1914.2	2318.2	2489.0	2659.8
727.2	47.5°	794.8	1158.1	1521.3	2023.0	2524.6	2765.0	3005.3
700.1	50°	760.5	1137.3	1514.1	2123.8	2733.6	3096.0	3458.3
682.2	52.5°	734.9	1102.3	1469.6	2189.3	2909.0	3443.6	3978.2
669.3	55°	710.5	1044.1	1377.8	2174.9	2972.0	3751.9	4531.8
653.9	57.5°	683.0	962.2	1241.3	2073.3	2905.3	3970.3	5035.3
630.5	60°	653.4	855.8	1058.3	1884.2	2710.2	4024.9	5339.6
589.7	62.5°	604.9	728.5	852.1	1628.6	2405.0	3795.0	5185.1
549.1	65°	556.3	614.0	671.7	1367.7	2063.8	3469.8	4875.8
491.5	67.5°	487.5	503.9	520.3	1112.2	1704.1	3082.8	4461.4
422.0	70°	403.4	398.8	394.1	875.7	1357.3	2660.4	3963.6
358.6	72.5°	332.3	318.1	304.0	669.5	1034.9	2202.6	3370.3
291.2	75°	261.7	248.9	236.0	485.9	735.7	1677.8	2619.8
227.8	77.5°	199.2	190.4	181.7	329.2	476.8	1174.3	1871.8
167.7	80°	143.5	139.9	136.2	212.1	288.1	756.6	1225.1
116.6	82.5°	98.7	98.0	97.4	130.5	163.7	437.9	712.1
71.3	85°	58.2	58.6	58.9	69.7	80.7	197.0	313.3
30.5	87.5°	25.2	25.5	25.8	28.9	32.0	64.5	97.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)