

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: P946331

Luminaire Tested: **GALN-SB2A-735-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P946331  
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-735-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

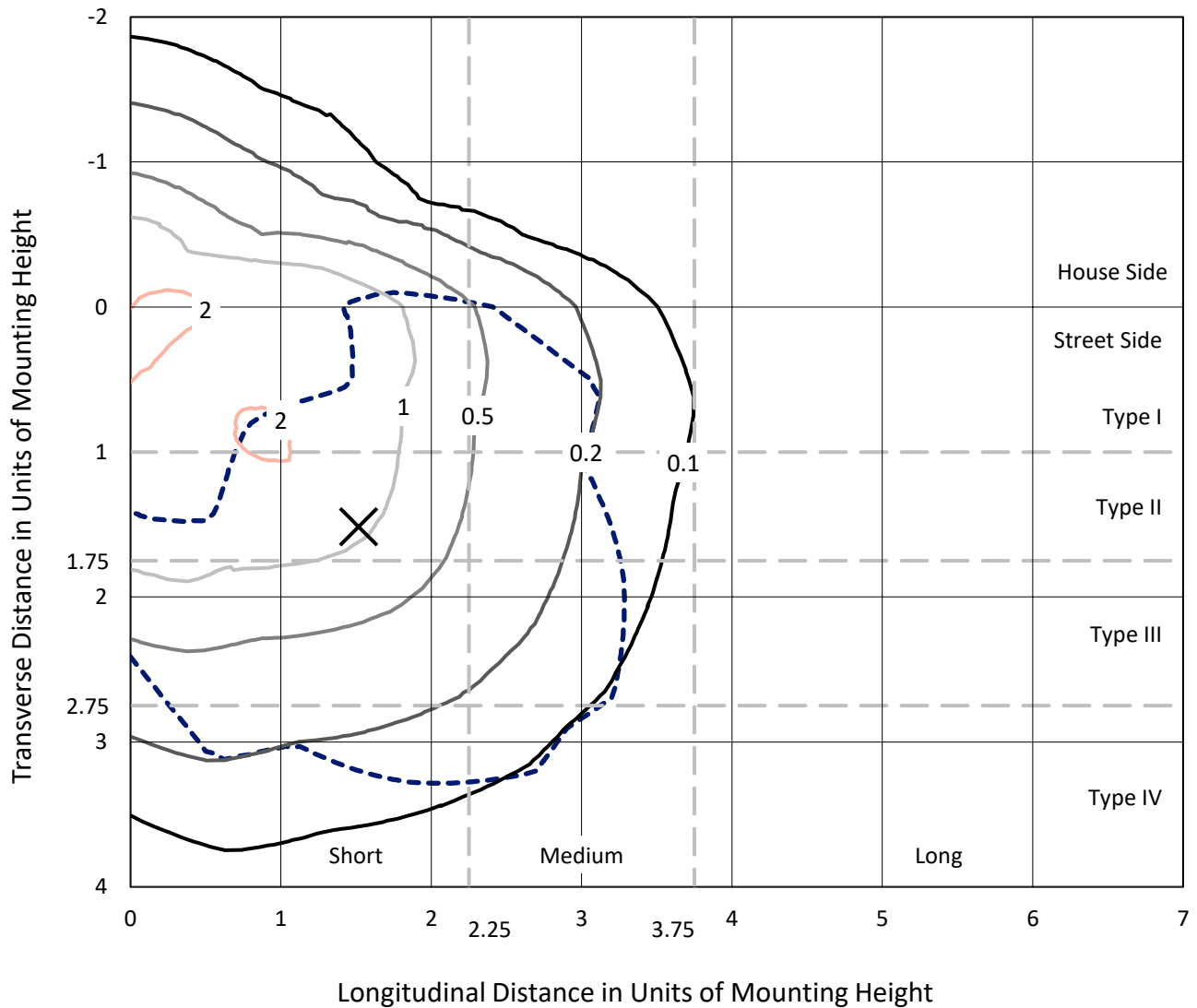
Lumens per Lamp: N/A  
Luminaire Lumens: 8939 lumens  
Efficiency: N/A  
Efficacy: 156.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 57.3  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

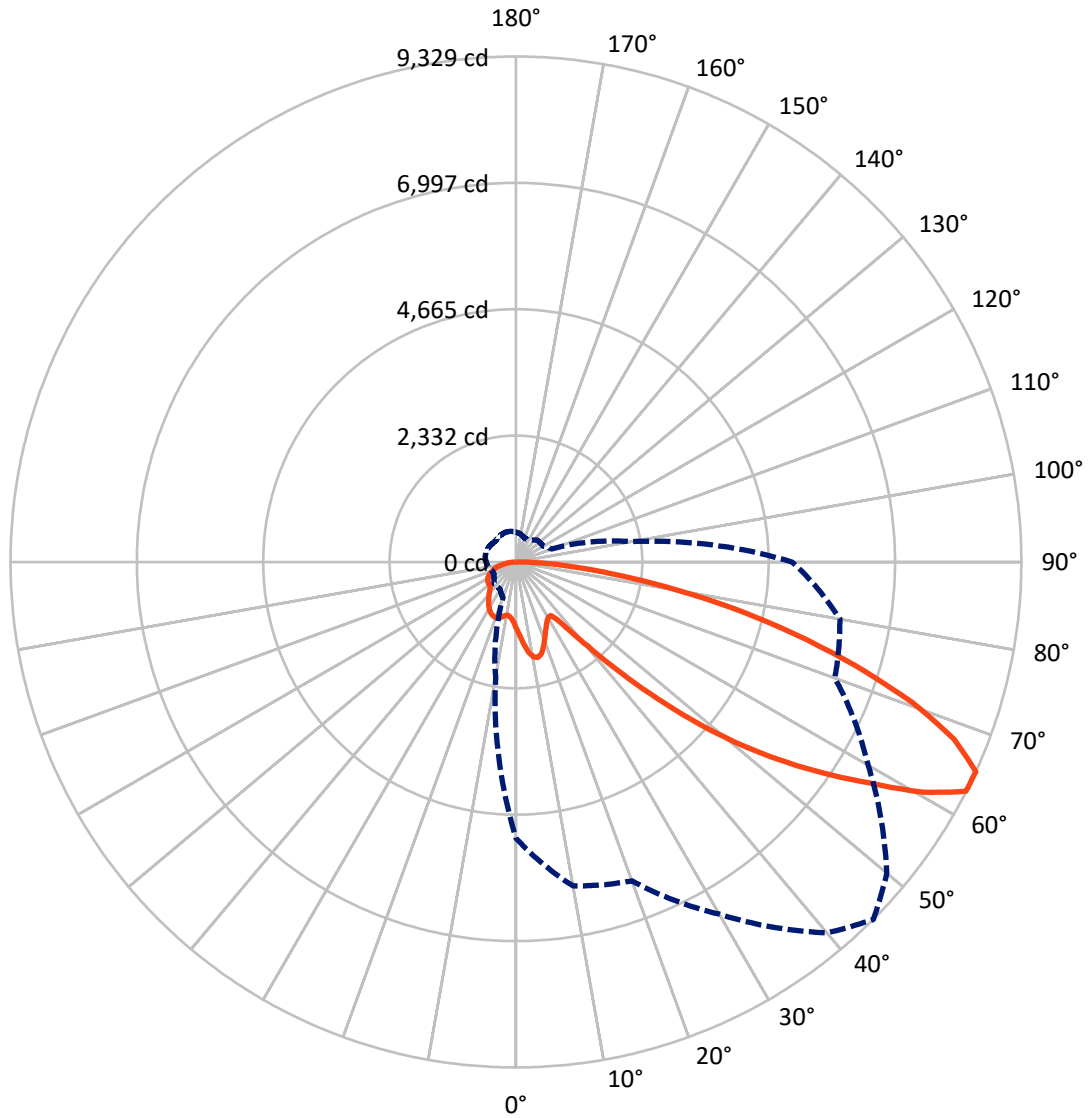
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 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	2271.8	0.0	2271.8
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	6667.2	0.0	6667.2
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	8939.0	0.0	8939.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.9	1.4
10°-20°	382.8	4.3
20°-30°	591.3	6.6
30°-40°	749.3	8.4
40°-50°	1130.1	12.6
50°-60°	1825.8	20.4
60°-70°	2276.2	25.5
70°-80°	1492.6	16.7
80°-90°	369.0	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°	8939.0	100.0
0°-180°	8939.0	100.0

**Coefficient of Utilization**



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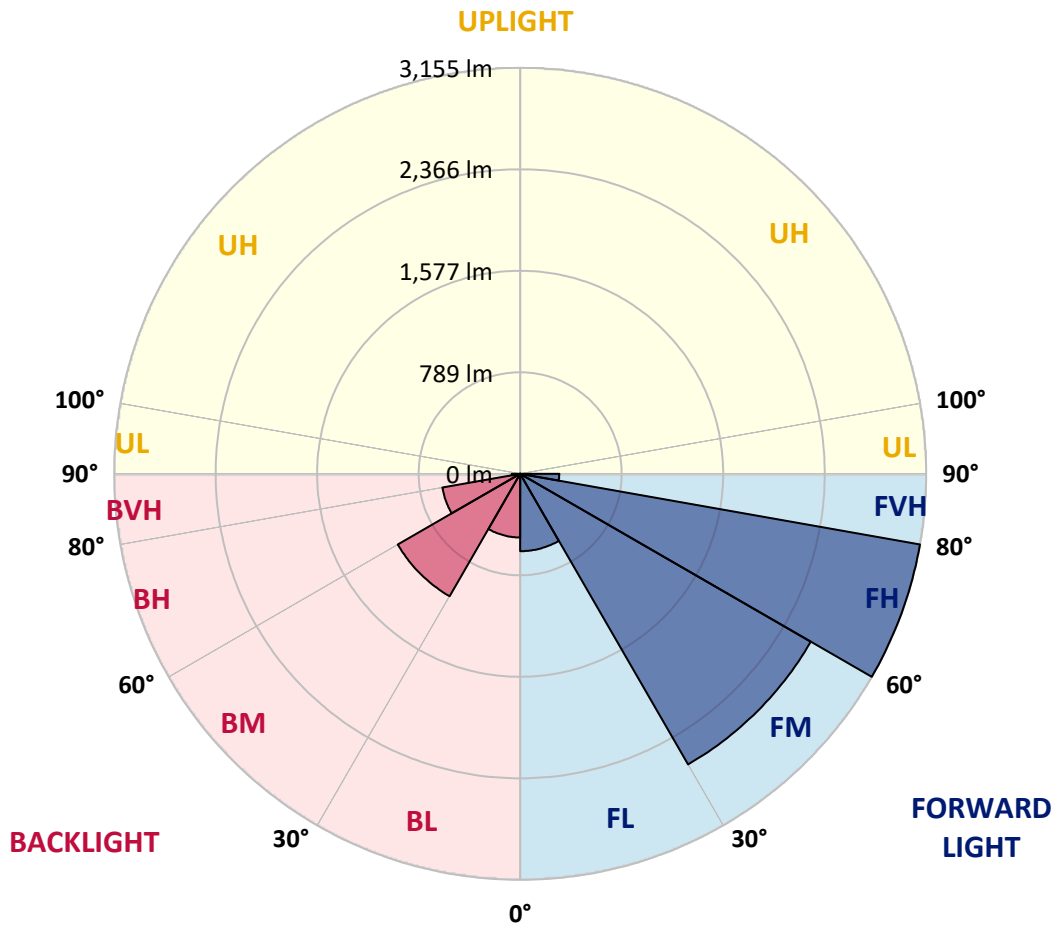
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.2	6.7			
FM (30°-60°)	2607.3	29.2			
FH (60°-80°)	3154.6	35.3			G2/5000
FVH (80°-90°)	304.0	3.4			G3/500
BL (0°-30°)	494.7	5.5	B1/500		
BM (30°-60°)	1097.9	12.3	B2/2500		
BH (60°-80°)	614.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	65.0	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°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
2.5°	1321.9	1326.9	1331.9	1339.0	1346.2	1350.4	1354.7	1356.8	1358.9	1358.0
5°	1421.4	1438.9	1456.4	1473.8	1491.2	1500.6	1510.1	1515.8	1521.5	1525.9
7.5°	1521.4	1549.9	1578.3	1603.9	1629.5	1645.0	1660.4	1668.7	1677.0	1681.1
10°	1598.0	1631.7	1665.4	1695.4	1725.5	1743.7	1761.8	1769.9	1778.0	1781.1
12.5°	1645.0	1681.5	1717.9	1745.1	1772.2	1785.4	1798.6	1803.0	1807.5	1807.9
15°	1673.5	1705.0	1736.5	1753.5	1770.6	1771.1	1771.5	1766.8	1762.1	1756.5
17.5°	1689.5	1710.8	1732.1	1732.4	1732.7	1713.6	1694.5	1677.0	1659.5	1647.1
20°	1707.2	1714.6	1722.1	1699.7	1677.3	1635.1	1592.9	1562.2	1531.5	1512.7
22.5°	1727.8	1718.0	1708.3	1661.9	1615.5	1553.5	1491.4	1453.0	1414.7	1393.8
25°	1754.2	1723.5	1692.8	1622.4	1551.9	1476.6	1401.3	1360.9	1320.6	1300.9
27.5°	1790.0	1735.2	1680.3	1587.0	1493.7	1410.2	1326.7	1287.0	1247.3	1228.7
30°	1838.4	1756.6	1674.9	1560.0	1445.1	1358.1	1271.2	1234.3	1197.5	1180.1
32.5°	1895.4	1783.5	1671.6	1541.6	1411.6	1329.9	1248.2	1219.2	1190.3	1177.8
35°	1964.8	1827.8	1690.9	1555.4	1420.0	1363.2	1306.5	1299.7	1293.0	1291.9
37.5°	2081.5	1920.4	1759.3	1636.2	1513.0	1509.4	1505.7	1536.5	1567.4	1583.4
40°	2257.9	2082.7	1907.5	1815.9	1724.4	1789.0	1853.6	1928.6	2003.6	2040.9
42.5°	2491.9	2318.0	2144.1	2091.4	2038.7	2179.6	2320.6	2457.0	2593.4	2673.5
45°	2780.8	2624.6	2468.4	2445.1	2421.8	2647.6	2873.5	3097.6	3321.8	3457.9
47.5°	3142.1	2990.1	2838.2	2833.5	2828.7	3154.5	3480.1	3808.3	4136.4	4329.0
50°	3615.6	3428.0	3240.3	3241.1	3241.9	3661.7	4081.5	4514.7	4947.8	5209.7
52.5°	4159.2	3932.0	3704.8	3681.8	3658.8	4160.2	4661.7	5197.6	5733.5	6047.4
55°	4738.0	4513.5	4289.0	4199.4	4109.8	4667.9	5225.9	5864.8	6503.7	6877.0
57.5°	5264.4	5142.1	5019.8	4840.2	4660.5	5224.1	5787.6	6511.2	7234.8	7697.8
60°	5582.5	5772.4	5962.4	5739.3	5516.2	6049.4	6582.7	7357.5	8132.3	8632.6
62.5°	5421.0	5939.9	6458.8	6433.6	6408.4	6897.0	7385.5	8122.7	8859.7	9322.2
65°	5097.6	5584.7	6071.7	6168.0	6264.3	6885.2	7506.0	8220.8	8935.5	9329.3
67.5°	4664.4	5127.6	5590.8	5636.0	5681.1	6328.0	6974.8	7692.6	8410.5	8718.9
70°	4143.9	4647.7	5151.6	5171.7	5192.0	5770.4	6348.9	6966.6	7584.3	7755.8
72.5°	3523.7	4101.8	4680.0	4694.5	4709.0	5161.6	5614.1	6076.8	6539.4	6556.8
75°	2739.0	3337.4	3935.8	3989.5	4043.2	4395.3	4747.4	5073.1	5398.8	5311.6
77.5°	1957.0	2515.5	3074.2	3151.0	3227.9	3495.6	3763.3	3994.3	4225.3	4075.3
80°	1280.8	1750.8	2220.7	2316.2	2411.8	2613.9	2816.0	2937.3	3058.6	2817.3
82.5°	744.5	1065.8	1387.1	1493.8	1600.6	1739.8	1878.9	1929.5	1980.1	1790.5
85°	327.6	498.1	668.6	759.4	850.2	964.5	1078.8	1107.5	1136.3	984.4
87.5°	101.4	158.7	216.0	266.7	317.3	374.5	431.7	434.1	436.5	366.5
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°
1229.2	0°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
1358.9	2.5°	1356.8	1354.7	1350.4	1346.2	1339.0	1331.9	1326.9	1321.9	1311.7	1301.6
1521.5	5°	1515.8	1510.1	1500.6	1491.2	1473.8	1456.4	1438.9	1421.4	1399.0	1376.6
1677.0	7.5°	1668.7	1660.4	1645.0	1629.5	1603.9	1578.3	1549.9	1521.4	1484.4	1447.5
1778.0	10°	1769.9	1761.8	1743.7	1725.5	1695.4	1665.4	1631.7	1598.0	1551.3	1504.6
1807.5	12.5°	1803.0	1798.6	1785.4	1772.2	1745.1	1717.9	1681.5	1645.0	1593.6	1542.3
1762.1	15°	1766.8	1771.5	1771.1	1770.6	1753.5	1736.5	1705.0	1673.5	1620.0	1566.4
1659.5	17.5°	1677.0	1694.5	1713.6	1732.7	1732.4	1732.1	1710.8	1689.5	1635.3	1581.0
1531.5	20°	1562.2	1592.9	1635.1	1677.3	1699.7	1722.1	1714.6	1707.2	1650.8	1594.4
1414.7	22.5°	1453.0	1491.4	1553.5	1615.5	1661.9	1708.3	1718.0	1727.8	1670.1	1612.4
1320.6	25°	1360.9	1401.3	1476.6	1551.9	1622.4	1692.8	1723.5	1754.2	1697.7	1641.2
1247.3	27.5°	1287.0	1326.7	1410.2	1493.7	1587.0	1680.3	1735.2	1790.0	1736.1	1682.2
1197.5	30°	1234.3	1271.2	1358.1	1445.1	1560.0	1674.9	1756.6	1838.4	1786.3	1734.3
1190.3	32.5°	1219.2	1248.2	1329.9	1411.6	1541.6	1671.6	1783.5	1895.4	1843.9	1792.4
1293.0	35°	1299.7	1306.5	1363.2	1420.0	1555.4	1690.9	1827.8	1964.8	1915.4	1866.0
1567.4	37.5°	1536.5	1505.7	1509.4	1513.0	1636.2	1759.3	1920.4	2081.5	2018.6	1955.7
2003.6	40°	1928.6	1853.6	1789.0	1724.4	1815.9	1907.5	2082.7	2257.9	2166.2	2074.5
2593.4	42.5°	2457.0	2320.6	2179.6	2038.7	2091.4	2144.1	2318.0	2491.9	2359.5	2227.2
3321.8	45°	3097.6	2873.5	2647.6	2421.8	2445.1	2468.4	2624.6	2780.8	2602.2	2423.7
4136.4	47.5°	3808.3	3480.1	3154.5	2828.7	2833.5	2838.2	2990.1	3142.1	2890.8	2639.5
4947.8	50°	4514.7	4081.5	3661.7	3241.9	3241.1	3240.3	3428.0	3615.6	3236.8	2858.0
5733.5	52.5°	5197.6	4661.7	4160.2	3658.8	3681.8	3704.8	3932.0	4159.2	3600.3	3041.4
6503.7	55°	5864.8	5225.9	4667.9	4109.8	4199.4	4289.0	4513.5	4738.0	3922.6	3107.2
7234.8	57.5°	6511.2	5787.6	5224.1	4660.5	4840.2	5019.8	5142.1	5264.4	4150.9	3037.5
8132.3	60°	7357.5	6582.7	6049.4	5516.2	5739.3	5962.4	5772.4	5582.5	4208.0	2833.5
8859.7	62.5°	8122.7	7385.5	6897.0	6408.4	6433.6	6458.8	5939.9	5421.0	3967.7	2514.4
8935.5	65°	8220.8	7506.0	6885.2	6264.3	6168.0	6071.7	5584.7	5097.6	3627.7	2157.7
8410.5	67.5°	7692.6	6974.8	6328.0	5681.1	5636.0	5590.8	5127.6	4664.4	3223.0	1781.6
7584.3	70°	6966.6	6348.9	5770.4	5192.0	5171.7	5151.6	4647.7	4143.9	2781.5	1419.0
6539.4	72.5°	6076.8	5614.1	5161.6	4709.0	4694.5	4680.0	4101.8	3523.7	2302.8	1082.0
5398.8	75°	5073.1	4747.4	4395.3	4043.2	3989.5	3935.8	3337.4	2739.0	1754.1	769.2
4225.3	77.5°	3994.3	3763.3	3495.6	3227.9	3151.0	3074.2	2515.5	1957.0	1227.7	498.5
3058.6	80°	2937.3	2816.0	2613.9	2411.8	2316.2	2220.7	1750.8	1280.8	791.0	301.2
1980.1	82.5°	1929.5	1878.9	1739.8	1600.6	1493.8	1387.1	1065.8	744.5	457.8	171.1
1136.3	85°	1107.5	1078.8	964.5	850.2	759.4	668.6	498.1	327.6	205.9	84.3
436.5	87.5°	434.1	431.7	374.5	317.3	266.7	216.0	158.7	101.4	67.4	33.5
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°
1229.2	0°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
1290.8	2.5°	1280.0	1269.2	1258.3	1248.0	1237.6	1227.5	1216.4	1207.3	1198.3	1190.1
1354.2	5°	1331.9	1309.4	1287.0	1266.0	1245.0	1225.2	1205.6	1188.5	1171.4	1157.1
1413.3	7.5°	1379.2	1345.9	1312.7	1283.4	1254.1	1227.1	1201.7	1179.0	1156.3	1137.4
1459.4	10°	1414.3	1373.9	1333.5	1298.9	1264.2	1230.8	1203.6	1179.7	1155.7	1136.8
1491.2	12.5°	1440.0	1392.4	1344.8	1305.6	1266.4	1231.3	1206.0	1186.4	1166.8	1154.3
1511.0	15°	1455.5	1400.6	1345.8	1300.4	1255.0	1216.2	1195.9	1186.5	1177.2	1178.9
1520.4	17.5°	1459.9	1396.3	1332.6	1278.0	1223.4	1177.8	1165.3	1168.7	1172.1	1192.7
1527.9	20°	1461.3	1384.2	1307.0	1239.4	1171.7	1118.6	1115.3	1131.3	1147.4	1183.1
1537.9	22.5°	1463.2	1369.4	1275.5	1194.0	1112.6	1052.1	1058.5	1082.3	1106.0	1146.7
1556.0	25°	1470.7	1354.7	1238.9	1143.4	1048.1	986.0	1003.5	1030.8	1058.2	1094.9
1584.3	27.5°	1486.3	1345.0	1203.7	1097.2	990.6	934.2	955.4	981.8	1008.2	1038.3
1620.9	30°	1507.6	1340.4	1173.2	1058.5	943.8	896.4	913.1	934.0	955.1	980.0
1659.2	32.5°	1526.0	1334.8	1143.4	1025.1	906.8	868.6	876.0	888.4	900.8	920.8
1702.8	35°	1539.5	1324.1	1108.8	992.4	875.9	844.1	841.0	844.4	847.8	863.1
1751.6	37.5°	1547.5	1305.8	1064.2	953.8	843.4	815.5	804.3	800.5	796.8	807.7
1813.5	40°	1552.5	1280.7	1008.9	907.7	806.6	781.3	764.1	755.6	747.0	754.9
1894.6	42.5°	1562.1	1254.8	947.5	856.9	766.4	743.1	721.4	710.1	698.8	705.2
2001.3	45°	1578.9	1230.7	882.4	803.0	723.6	700.0	679.0	667.9	657.0	662.3
2115.0	47.5°	1590.5	1210.7	831.0	760.3	689.6	659.2	641.1	631.9	622.6	627.7
2220.5	50°	1582.9	1189.0	795.2	731.9	668.7	628.7	607.8	599.5	591.4	599.3
2289.0	52.5°	1536.5	1152.4	768.4	713.3	658.2	612.2	582.9	574.8	566.7	578.7
2273.9	55°	1440.5	1091.6	742.8	699.7	656.7	613.9	569.7	556.9	544.1	561.0
2167.6	57.5°	1297.8	1006.0	714.1	683.7	653.3	615.5	561.8	543.1	524.4	542.6
1970.0	60°	1106.5	894.8	683.1	659.2	635.3	610.3	554.3	530.1	505.9	521.9
1702.7	62.5°	890.9	761.7	632.4	616.5	600.7	597.6	545.6	515.4	485.1	495.3
1429.9	65°	702.2	641.9	581.6	574.1	566.6	567.0	527.3	495.2	463.0	466.9
1162.8	67.5°	543.9	526.8	509.6	513.8	518.0	517.0	494.7	467.9	441.1	439.9
915.5	70°	412.0	416.9	421.8	441.2	460.6	460.6	453.3	434.2	415.2	410.9
699.9	72.5°	317.8	332.6	347.4	374.9	402.4	407.1	407.2	394.1	381.0	374.8
508.0	75°	246.8	260.2	273.6	304.4	335.3	356.6	354.8	344.7	334.7	328.7
344.2	77.5°	190.0	199.1	208.2	238.2	268.1	303.3	302.3	294.3	286.2	280.2
221.8	80°	142.4	146.2	150.0	175.4	200.7	242.7	242.5	235.8	229.0	224.0
136.4	82.5°	101.8	102.4	103.2	121.9	140.6	176.4	178.4	175.1	171.8	168.2
72.9	85°	61.6	61.2	60.8	74.5	88.2	114.9	117.4	113.9	110.4	106.4
30.2	87.5°	27.0	26.6	26.3	31.9	37.5	48.6	51.9	50.5	49.1	48.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P946331  
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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1229.2	0°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
1182.0	2.5°	1174.9	1167.8	1160.6	1153.5	1148.0	1142.4	1137.9	1133.4	1129.9	1126.5
1142.8	5°	1130.1	1117.5	1106.0	1094.5	1085.7	1076.8	1070.7	1064.5	1060.1	1055.7
1118.6	7.5°	1102.7	1086.7	1072.7	1058.7	1048.2	1037.7	1030.3	1023.0	1017.9	1012.9
1118.0	10°	1100.8	1083.7	1067.9	1052.1	1039.5	1026.9	1018.7	1010.4	1005.7	1000.9
1141.8	12.5°	1128.3	1114.9	1098.6	1082.3	1066.2	1050.2	1039.6	1029.0	1023.6	1018.4
1180.6	15°	1177.1	1173.6	1159.4	1145.2	1122.4	1099.6	1083.4	1067.3	1059.9	1052.5
1213.2	17.5°	1224.2	1235.1	1223.6	1212.2	1182.0	1151.7	1128.0	1104.2	1093.3	1082.3
1218.8	20°	1241.7	1264.6	1259.3	1254.0	1219.4	1184.9	1155.7	1126.6	1112.6	1098.5
1187.6	22.5°	1217.4	1247.1	1250.3	1253.5	1220.5	1187.4	1157.4	1127.4	1112.6	1097.8
1131.6	25°	1160.8	1190.1	1201.1	1212.0	1184.9	1157.9	1131.2	1104.6	1091.7	1079.0
1068.4	27.5°	1091.9	1115.4	1127.6	1139.8	1120.5	1101.3	1080.6	1059.9	1051.3	1042.6
1005.0	30°	1024.5	1044.1	1054.0	1063.9	1049.2	1034.5	1019.7	1004.8	1000.4	995.9
940.8	32.5°	959.4	978.2	989.2	1000.2	986.7	973.2	961.3	949.5	946.6	943.7
878.3	35°	896.8	915.3	928.5	941.7	932.1	922.5	911.6	900.7	896.3	891.9
818.6	37.5°	837.0	855.5	871.8	888.2	883.7	879.3	869.3	859.2	851.2	843.3
762.8	40°	780.6	798.5	817.2	836.0	837.1	838.2	829.6	821.1	809.5	798.0
711.7	42.5°	728.6	745.5	765.8	786.0	791.5	796.9	789.7	782.5	768.1	753.7
667.8	45°	683.8	699.9	720.9	741.9	749.7	757.5	751.0	744.5	728.1	711.7
632.8	47.5°	648.5	664.1	684.9	705.6	714.6	723.6	719.0	714.5	699.9	685.3
607.3	50°	622.1	636.9	655.4	674.0	685.5	697.0	696.8	696.6	684.9	673.2
590.5	52.5°	604.1	617.7	635.0	652.3	666.0	679.6	682.0	684.5	675.0	665.4
577.9	55°	592.5	607.1	622.3	637.5	651.9	666.4	669.8	673.2	664.9	656.6
560.8	57.5°	578.0	595.2	610.2	625.2	639.8	654.3	657.8	661.2	652.8	644.4
537.8	60°	557.5	577.2	592.5	607.8	622.4	637.0	640.8	644.5	636.3	628.2
505.4	62.5°	528.4	551.4	567.7	583.9	597.3	610.7	614.4	618.0	610.6	603.2
470.7	65°	495.4	520.0	535.6	551.2	562.9	574.7	578.5	582.1	575.0	567.9
438.7	67.5°	461.4	484.2	498.9	513.7	523.8	534.0	537.7	541.2	534.7	528.2
406.7	70°	426.7	446.7	459.4	472.1	481.3	490.5	494.0	497.5	492.2	486.9
368.6	72.5°	384.4	400.1	411.6	423.1	432.1	441.1	445.3	449.4	445.0	440.5
322.7	75°	334.4	346.1	356.5	367.0	375.2	383.4	387.7	392.1	389.9	387.7
274.1	77.5°	283.7	293.1	302.1	311.1	319.7	328.3	332.3	336.4	333.4	330.3
218.9	80°	226.8	234.7	242.2	249.8	256.3	262.8	268.2	273.6	272.3	271.0
164.6	82.5°	164.0	163.3	160.7	158.0	172.0	185.9	195.1	204.2	203.7	203.1
102.4	85°	99.0	95.5	88.2	80.9	94.0	107.1	118.4	129.7	128.8	127.8
47.5	87.5°	47.4	47.3	41.7	36.1	41.6	47.1	51.6	56.2	55.1	53.9
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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 CATALOG NUMBER: GALN-SB2A-735-U-SLL

**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1229.2	0°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
1123.3	2.5°	1120.0	1116.0	1120.0	1123.3	1126.5	1129.9	1133.4	1137.9	1142.4	1148.0
1052.4	5°	1049.0	1045.7	1049.0	1052.4	1055.7	1060.1	1064.5	1070.7	1076.8	1085.7
1009.9	7.5°	1006.9	1004.7	1006.9	1009.9	1012.9	1017.9	1023.0	1030.3	1037.7	1048.2
998.4	10°	995.8	994.8	995.8	998.4	1000.9	1005.7	1010.4	1018.7	1026.9	1039.5
1016.2	12.5°	1014.0	1013.6	1014.0	1016.2	1018.4	1023.6	1029.0	1039.6	1050.2	1066.2
1049.7	15°	1046.9	1046.7	1046.9	1049.7	1052.5	1059.9	1067.3	1083.4	1099.6	1122.4
1078.7	17.5°	1075.0	1074.5	1075.0	1078.7	1082.3	1093.3	1104.2	1128.0	1151.7	1182.0
1094.1	20°	1089.6	1088.2	1089.6	1094.1	1098.5	1112.6	1126.6	1155.7	1184.9	1219.4
1092.9	22.5°	1087.9	1085.8	1087.9	1092.9	1097.8	1112.6	1127.4	1157.4	1187.4	1220.5
1074.3	25°	1069.7	1066.9	1069.7	1074.3	1079.0	1091.7	1104.6	1131.2	1157.9	1184.9
1040.5	27.5°	1038.4	1037.7	1038.4	1040.5	1042.6	1051.3	1059.9	1080.6	1101.3	1120.5
995.9	30°	995.9	996.7	995.9	995.9	995.9	1000.4	1004.8	1019.7	1034.5	1049.2
944.1	32.5°	944.5	945.2	944.5	944.1	943.7	946.6	949.5	961.3	973.2	986.7
891.0	35°	890.1	889.6	890.1	891.0	891.9	896.3	900.7	911.6	922.5	932.1
839.1	37.5°	834.9	832.5	834.9	839.1	843.3	851.2	859.2	869.3	879.3	883.7
790.2	40°	782.4	777.8	782.4	790.2	798.0	809.5	821.1	829.6	838.2	837.1
742.4	42.5°	731.0	723.6	731.0	742.4	753.7	768.1	782.5	789.7	796.9	791.5
698.3	45°	685.0	676.4	685.0	698.3	711.7	728.1	744.5	751.0	757.5	749.7
672.9	47.5°	660.6	652.3	660.6	672.9	685.3	699.9	714.5	719.0	723.6	714.6
661.8	50°	650.3	642.4	650.3	661.8	673.2	684.9	696.6	696.8	697.0	685.5
655.2	52.5°	645.0	637.7	645.0	655.2	665.4	675.0	684.5	682.0	679.6	666.0
647.6	55°	638.7	632.0	638.7	647.6	656.6	664.9	673.2	669.8	666.4	651.9
635.5	57.5°	626.6	619.8	626.6	635.5	644.4	652.8	661.2	657.8	654.3	639.8
619.0	60°	609.9	602.8	609.9	619.0	628.2	636.3	644.5	640.8	637.0	622.4
593.6	62.5°	583.9	575.4	583.9	593.6	603.2	610.6	618.0	614.4	610.7	597.3
558.6	65°	549.3	542.0	549.3	558.6	567.9	575.0	582.1	578.5	574.7	562.9
519.5	67.5°	510.8	504.2	510.8	519.5	528.2	534.7	541.2	537.7	534.0	523.8
478.6	70°	470.3	462.7	470.3	478.6	486.9	492.2	497.5	494.0	490.5	481.3
432.6	72.5°	424.7	417.4	424.7	432.6	440.5	445.0	449.4	445.3	441.1	432.1
381.1	75°	374.4	367.4	374.4	381.1	387.7	389.9	392.1	387.7	383.4	375.2
323.6	77.5°	316.9	311.3	316.9	323.6	330.3	333.4	336.4	332.3	328.3	319.7
262.0	80°	252.9	242.4	252.9	262.0	271.0	272.3	273.6	268.2	262.8	256.3
195.5	82.5°	187.8	181.1	187.8	195.5	203.1	203.7	204.2	195.1	185.9	172.0
121.9	85°	115.9	109.9	115.9	121.9	127.8	128.8	129.7	118.4	107.1	94.0
50.8	87.5°	47.7	44.8	47.7	50.8	53.9	55.1	56.2	51.6	47.1	41.6
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°
1229.2	0°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
1153.5	2.5°	1160.6	1167.8	1174.9	1182.0	1190.1	1198.3	1207.3	1216.4	1227.5	1237.6
1094.5	5°	1106.0	1117.5	1130.1	1142.8	1157.1	1171.4	1188.5	1205.6	1225.2	1245.0
1058.7	7.5°	1072.7	1086.7	1102.7	1118.6	1137.4	1156.3	1179.0	1201.7	1227.1	1254.1
1052.1	10°	1067.9	1083.7	1100.8	1118.0	1136.8	1155.7	1179.7	1203.6	1230.8	1264.2
1082.3	12.5°	1098.6	1114.9	1128.3	1141.8	1154.3	1166.8	1186.4	1206.0	1231.3	1266.4
1145.2	15°	1159.4	1173.6	1177.1	1180.6	1178.9	1177.2	1186.5	1195.9	1216.2	1255.0
1212.2	17.5°	1223.6	1235.1	1224.2	1213.2	1192.7	1172.1	1168.7	1165.3	1177.8	1223.4
1254.0	20°	1259.3	1264.6	1241.7	1218.8	1183.1	1147.4	1131.3	1115.3	1118.6	1171.7
1253.5	22.5°	1250.3	1247.1	1217.4	1187.6	1146.7	1106.0	1082.3	1058.5	1052.1	1112.6
1212.0	25°	1201.1	1190.1	1160.8	1131.6	1094.9	1058.2	1030.8	1003.5	986.0	1048.1
1139.8	27.5°	1127.6	1115.4	1091.9	1068.4	1038.3	1008.2	981.8	955.4	934.2	990.6
1063.9	30°	1054.0	1044.1	1024.5	1005.0	980.0	955.1	934.0	913.1	896.4	943.8
1000.2	32.5°	989.2	978.2	959.4	940.8	920.8	900.8	888.4	876.0	868.6	906.8
941.7	35°	928.5	915.3	896.8	878.3	863.1	847.8	844.4	841.0	844.1	875.9
888.2	37.5°	871.8	855.5	837.0	818.6	807.7	796.8	800.5	804.3	815.5	843.4
836.0	40°	817.2	798.5	780.6	762.8	754.9	747.0	755.6	764.1	781.3	806.6
786.0	42.5°	765.8	745.5	728.6	711.7	705.2	698.8	710.1	721.4	743.1	766.4
741.9	45°	720.9	699.9	683.8	667.8	662.3	657.0	667.9	679.0	700.0	723.6
705.6	47.5°	684.9	664.1	648.5	632.8	627.7	622.6	631.9	641.1	659.2	689.6
674.0	50°	655.4	636.9	622.1	607.3	599.3	591.4	599.5	607.8	628.7	668.7
652.3	52.5°	635.0	617.7	604.1	590.5	578.7	566.7	574.8	582.9	612.2	658.2
637.5	55°	622.3	607.1	592.5	577.9	561.0	544.1	556.9	569.7	613.9	656.7
625.2	57.5°	610.2	595.2	578.0	560.8	542.6	524.4	543.1	561.8	615.5	653.3
607.8	60°	592.5	577.2	557.5	537.8	521.9	505.9	530.1	554.3	610.3	635.3
583.9	62.5°	567.7	551.4	528.4	505.4	495.3	485.1	515.4	545.6	597.6	600.7
551.2	65°	535.6	520.0	495.4	470.7	466.9	463.0	495.2	527.3	567.0	566.6
513.7	67.5°	498.9	484.2	461.4	438.7	439.9	441.1	467.9	494.7	517.0	518.0
472.1	70°	459.4	446.7	426.7	406.7	410.9	415.2	434.2	453.3	460.6	460.6
423.1	72.5°	411.6	400.1	384.4	368.6	374.8	381.0	394.1	407.2	407.1	402.4
367.0	75°	356.5	346.1	334.4	322.7	328.7	334.7	344.7	354.8	356.6	335.3
311.1	77.5°	302.1	293.1	283.7	274.1	280.2	286.2	294.3	302.3	303.3	268.1
249.8	80°	242.2	234.7	226.8	218.9	224.0	229.0	235.8	242.5	242.7	200.7
158.0	82.5°	160.7	163.3	164.0	164.6	168.2	171.8	175.1	178.4	176.4	140.6
80.9	85°	88.2	95.5	99.0	102.4	106.4	110.4	113.9	117.4	114.9	88.2
36.1	87.5°	41.7	47.3	47.4	47.5	48.3	49.1	50.5	51.9	48.6	37.5
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°
1229.2	0°	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2	1229.2
1248.0	2.5°	1258.3	1269.2	1280.0	1290.8	1301.6	1311.7	1321.9
1266.0	5°	1287.0	1309.4	1331.9	1354.2	1376.6	1399.0	1421.4
1283.4	7.5°	1312.7	1345.9	1379.2	1413.3	1447.5	1484.4	1521.4
1298.9	10°	1333.5	1373.9	1414.3	1459.4	1504.6	1551.3	1598.0
1305.6	12.5°	1344.8	1392.4	1440.0	1491.2	1542.3	1593.6	1645.0
1300.4	15°	1345.8	1400.6	1455.5	1511.0	1566.4	1620.0	1673.5
1278.0	17.5°	1332.6	1396.3	1459.9	1520.4	1581.0	1635.3	1689.5
1239.4	20°	1307.0	1384.2	1461.3	1527.9	1594.4	1650.8	1707.2
1194.0	22.5°	1275.5	1369.4	1463.2	1537.9	1612.4	1670.1	1727.8
1143.4	25°	1238.9	1354.7	1470.7	1556.0	1641.2	1697.7	1754.2
1097.2	27.5°	1203.7	1345.0	1486.3	1584.3	1682.2	1736.1	1790.0
1058.5	30°	1173.2	1340.4	1507.6	1620.9	1734.3	1786.3	1838.4
1025.1	32.5°	1143.4	1334.8	1526.0	1659.2	1792.4	1843.9	1895.4
992.4	35°	1108.8	1324.1	1539.5	1702.8	1866.0	1915.4	1964.8
953.8	37.5°	1064.2	1305.8	1547.5	1751.6	1955.7	2018.6	2081.5
907.7	40°	1008.9	1280.7	1552.5	1813.5	2074.5	2166.2	2257.9
856.9	42.5°	947.5	1254.8	1562.1	1894.6	2227.2	2359.5	2491.9
803.0	45°	882.4	1230.7	1578.9	2001.3	2423.7	2602.2	2780.8
760.3	47.5°	831.0	1210.7	1590.5	2115.0	2639.5	2890.8	3142.1
731.9	50°	795.2	1189.0	1582.9	2220.5	2858.0	3236.8	3615.6
713.3	52.5°	768.4	1152.4	1536.5	2289.0	3041.4	3600.3	4159.2
699.7	55°	742.8	1091.6	1440.5	2273.9	3107.2	3922.6	4738.0
683.7	57.5°	714.1	1006.0	1297.8	2167.6	3037.5	4150.9	5264.4
659.2	60°	683.1	894.8	1106.5	1970.0	2833.5	4208.0	5582.5
616.5	62.5°	632.4	761.7	890.9	1702.7	2514.4	3967.7	5421.0
574.1	65°	581.6	641.9	702.2	1429.9	2157.7	3627.7	5097.6
513.8	67.5°	509.6	526.8	543.9	1162.8	1781.6	3223.0	4664.4
441.2	70°	421.8	416.9	412.0	915.5	1419.0	2781.5	4143.9
374.9	72.5°	347.4	332.6	317.8	699.9	1082.0	2302.8	3523.7
304.4	75°	273.6	260.2	246.8	508.0	769.2	1754.1	2739.0
238.2	77.5°	208.2	199.1	190.0	344.2	498.5	1227.7	1957.0
175.4	80°	150.0	146.2	142.4	221.8	301.2	791.0	1280.8
121.9	82.5°	103.2	102.4	101.8	136.4	171.1	457.8	744.5
74.5	85°	60.8	61.2	61.6	72.9	84.3	205.9	327.6
31.9	87.5°	26.3	26.6	27.0	30.2	33.5	67.4	101.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)