

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: P953683

Luminaire Tested: **GALN-SB7A-930-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953683
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-SB7A-930-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22113 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

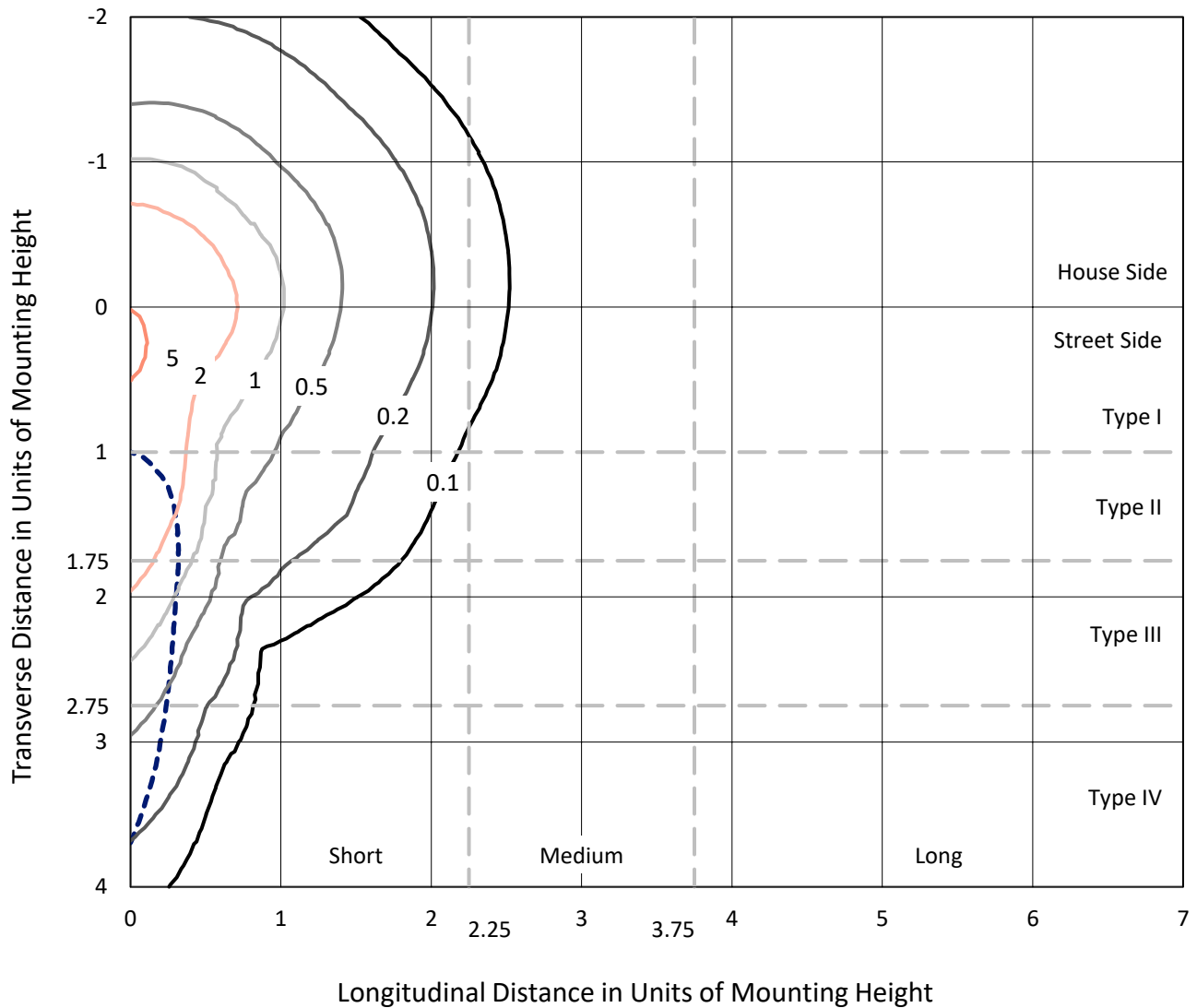
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

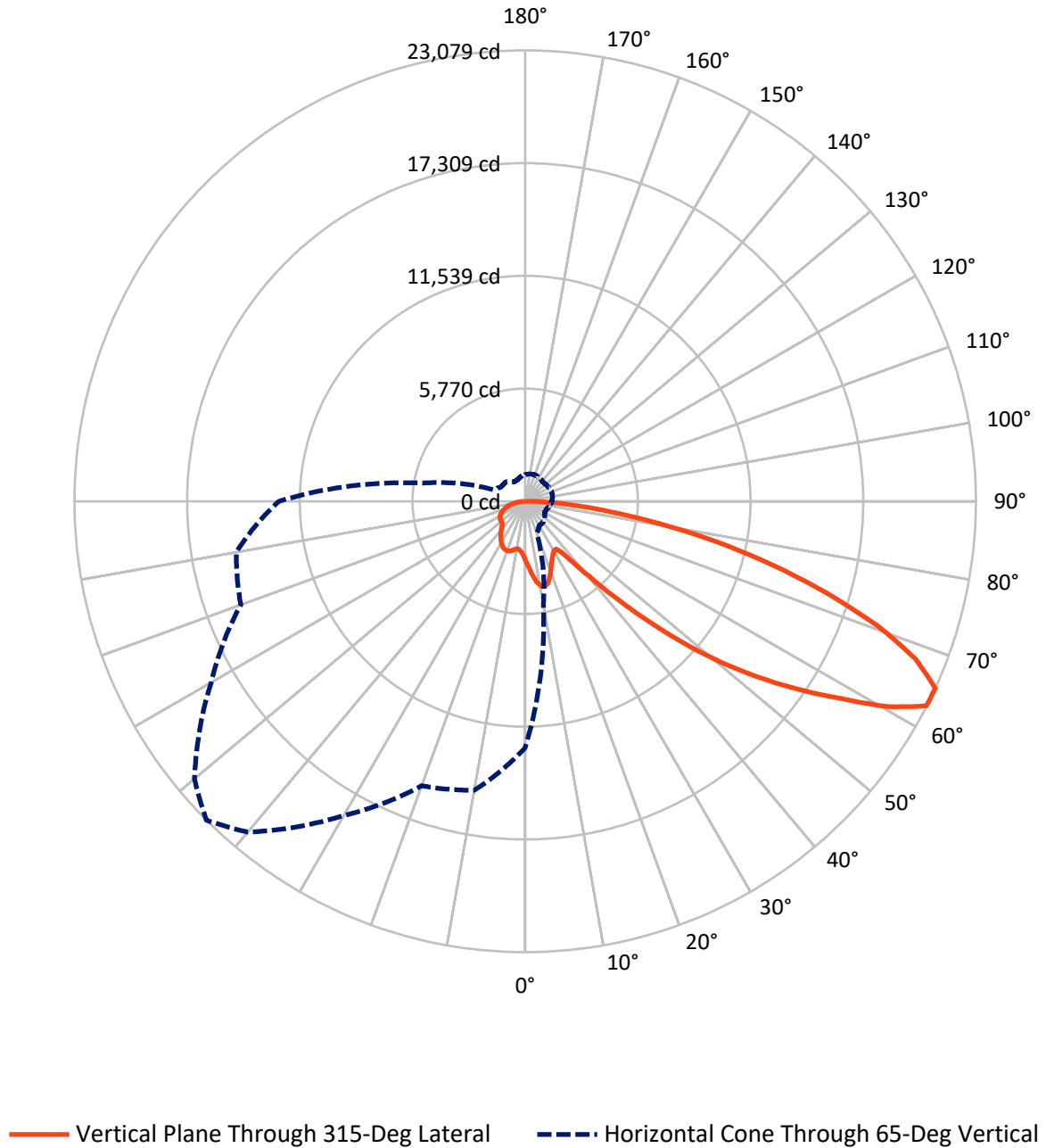
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

REPORT NUMBER: P953683
CATALOG NUMBER: GALN-SB7A-930-U-SLR

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5620.0	0.0	5620.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	16493.0	0.0	16493.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	22113.0	0.0	22113.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.6	1.4
10°-20°	946.9	4.3
20°-30°	1462.6	6.6
30°-40°	1853.5	8.4
40°-50°	2795.6	12.6
50°-60°	4516.7	20.4
60°-70°	5630.8	25.5
70°-80°	3692.4	16.7
80°-90°	912.8	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°	22113.0	100.0
0°-180°	22113.0	100.0



REPORT NUMBER: P953683

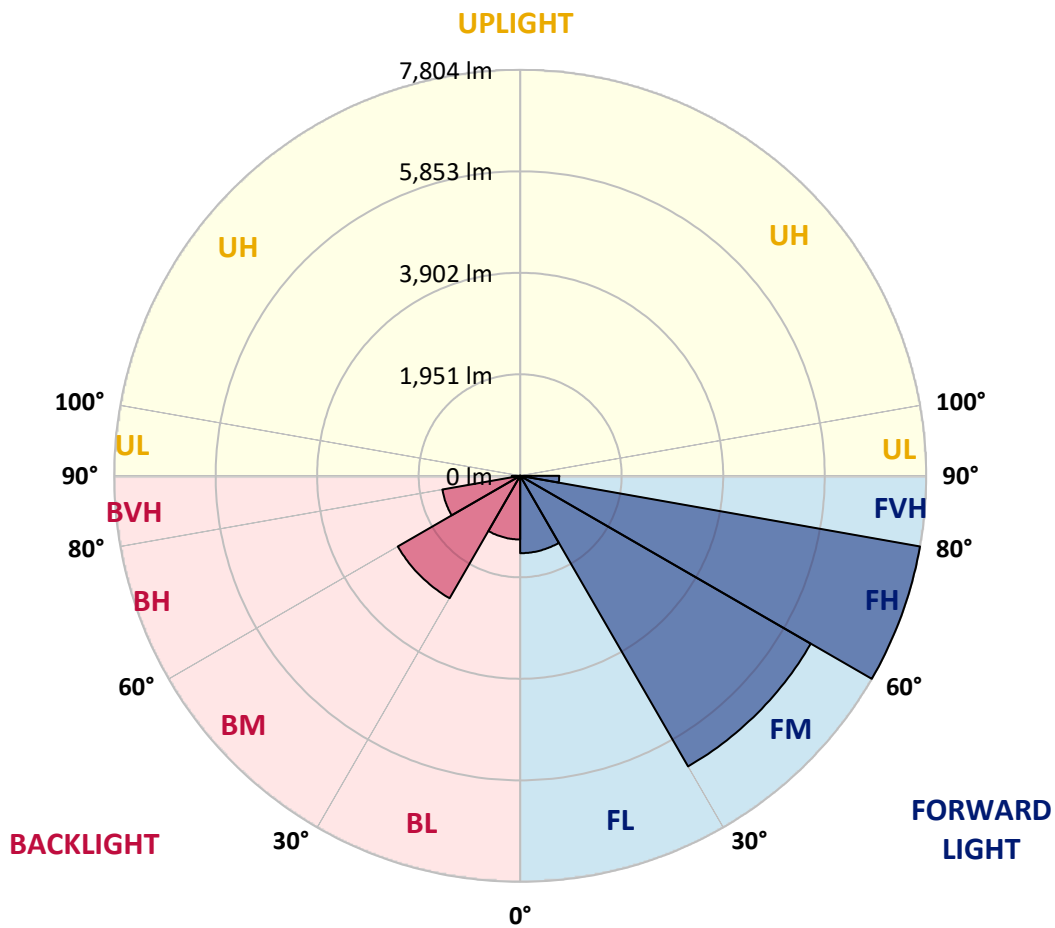
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1487.4	6.7			
FM (30°-60°)	6449.9	29.2			
FH (60°-80°)	7803.8	35.3			G4/12000
FVH (80°-90°)	752.0	3.4			G5
BL (0°-30°)	1223.8	5.5	B3/2500		
BM (30°-60°)	2715.9	12.3	B3/5000		
BH (60°-80°)	1519.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	160.9	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P953683

CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
2.5°	3270.0	3244.9	3219.8	3193.1	3166.5	3139.7	3112.8	3087.2	3061.5	3036.6
5°	3516.2	3460.8	3405.4	3350.1	3294.9	3239.2	3183.7	3131.7	3079.8	3030.8
7.5°	3763.6	3672.1	3580.7	3496.3	3411.8	3329.5	3247.3	3174.8	3102.3	3035.5
10°	3953.2	3837.5	3721.9	3610.3	3498.7	3398.8	3298.8	3213.2	3127.3	3044.8
12.5°	4069.3	3942.2	3815.3	3688.8	3562.3	3444.4	3326.6	3229.6	3132.7	3046.0
15°	4139.9	4007.4	3875.0	3737.8	3600.6	3464.9	3329.2	3216.9	3104.7	3008.6
17.5°	4179.5	4045.2	3910.9	3761.2	3611.5	3454.0	3296.5	3161.5	3026.5	2913.5
20°	4223.3	4083.7	3944.1	3779.6	3615.0	3424.1	3233.3	3065.9	2898.6	2767.1
22.5°	4274.1	4131.5	3988.8	3804.3	3619.7	3387.5	3155.3	2953.8	2752.3	2602.6
25°	4339.4	4199.6	4059.9	3849.1	3638.1	3351.3	3064.6	2828.6	2592.7	2439.2
27.5°	4428.1	4294.8	4161.5	3919.1	3676.6	3327.2	2977.7	2714.1	2450.6	2310.9
30°	4547.7	4418.9	4290.2	4009.8	3729.4	3315.9	2902.1	2618.5	2334.8	2217.5
32.5°	4688.9	4561.3	4433.9	4104.4	3774.9	3301.9	2828.6	2536.0	2243.2	2148.7
35°	4860.4	4738.3	4616.2	4212.2	3808.3	3275.5	2743.0	2454.9	2166.8	2088.0
37.5°	5149.2	4993.5	4837.9	4333.0	3828.1	3230.3	2632.6	2359.4	2086.3	2017.4
40°	5585.6	5358.7	5131.9	4486.3	3840.6	3168.1	2495.8	2245.5	1995.3	1932.8
42.5°	6164.3	5836.9	5509.5	4686.9	3864.3	3104.0	2343.9	2119.9	1895.8	1838.3
45°	6879.0	6437.3	5995.7	4950.8	3905.9	3044.3	2182.9	1986.4	1789.9	1731.6
47.5°	7772.8	7151.2	6529.5	5232.0	3934.5	2995.1	2055.7	1880.8	1705.9	1630.6
50°	8944.2	8007.2	7070.0	5492.9	3915.8	2941.4	1967.0	1810.7	1654.3	1555.4
52.5°	10289.0	8906.3	7523.6	5662.3	3800.9	2850.8	1900.7	1764.5	1628.3	1514.5
55°	11720.7	9703.5	7686.4	5625.0	3563.5	2700.5	1837.5	1731.0	1624.4	1518.6
57.5°	13022.9	10268.5	7514.1	5362.2	3210.5	2488.6	1766.6	1691.3	1616.0	1522.7
60°	13809.9	10409.7	7009.3	4873.2	2737.1	2213.5	1689.8	1630.6	1571.5	1509.9
62.5°	13410.2	9815.2	6220.1	4212.0	2203.9	1884.2	1564.5	1525.1	1485.9	1478.4
65°	12610.4	8974.0	5337.6	3537.3	1737.2	1587.9	1438.7	1420.1	1401.6	1402.5
67.5°	11538.7	7973.0	4407.3	2876.4	1345.6	1303.2	1260.7	1271.1	1281.4	1278.8
70°	10251.1	6880.7	3510.4	2264.8	1019.2	1031.4	1043.4	1091.4	1139.4	1139.4
72.5°	8716.7	5696.6	2676.7	1731.4	786.2	822.7	859.4	927.5	995.5	1007.0
75°	6775.7	4339.3	1902.8	1256.7	610.5	643.6	676.8	753.1	829.4	882.1
77.5°	4841.1	3037.1	1233.1	851.5	470.0	492.5	515.2	589.2	663.3	750.3
80°	3168.5	1956.8	745.0	548.6	352.4	361.7	371.0	433.8	496.5	600.3
82.5°	1841.8	1132.5	423.3	337.4	251.8	253.4	255.3	301.5	347.7	436.4
85°	810.4	509.4	208.6	180.4	152.3	151.5	150.5	184.4	218.2	284.1
87.5°	250.9	166.9	82.8	74.8	66.7	65.9	65.1	78.9	92.8	120.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3040.7	0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
3009.0	2.5°	2986.6	2964.3	2944.1	2924.0	2906.4	2888.8	2871.1	2853.5	2839.8	2826.0
2982.4	5°	2940.1	2897.8	2862.3	2827.0	2795.7	2764.4	2736.1	2707.6	2685.8	2663.8
2972.8	7.5°	2916.6	2860.5	2813.8	2767.1	2727.8	2688.3	2653.6	2618.9	2592.9	2567.0
2977.5	10°	2918.2	2858.9	2812.3	2765.6	2723.2	2680.8	2641.7	2602.6	2571.6	2540.4
2983.3	12.5°	2934.8	2886.5	2855.4	2824.6	2791.3	2758.1	2717.6	2677.3	2637.6	2597.9
2958.5	15°	2935.2	2912.1	2916.3	2920.5	2911.9	2903.3	2868.2	2833.0	2776.6	2720.1
2882.6	17.5°	2891.1	2899.5	2950.4	3001.3	3028.4	3055.3	3027.0	2998.7	2923.9	2849.1
2758.9	20°	2798.6	2838.3	2926.6	3015.1	3071.6	3128.2	3115.2	3102.0	3016.5	2931.0
2618.6	22.5°	2677.3	2736.0	2836.8	2937.8	3011.4	3085.1	3093.0	3100.8	3019.1	2937.5
2482.4	25°	2550.1	2617.8	2708.4	2799.2	2871.7	2944.1	2971.2	2998.1	2931.2	2864.3
2363.4	27.5°	2428.7	2494.1	2568.6	2643.1	2701.2	2759.3	2789.4	2819.6	2771.9	2724.3
2258.7	30°	2310.5	2362.6	2424.4	2486.3	2534.4	2582.8	2607.3	2631.8	2595.5	2559.1
2167.0	32.5°	2197.7	2228.4	2277.7	2327.2	2373.4	2419.7	2446.9	2474.2	2440.9	2407.4
2080.4	35°	2088.8	2097.4	2135.0	2172.6	2218.4	2264.2	2296.9	2329.6	2305.7	2282.1
1989.7	37.5°	1980.3	1971.0	1998.1	2025.0	2070.6	2116.4	2156.7	2197.1	2186.2	2175.2
1890.2	40°	1869.1	1848.0	1867.5	1887.0	1931.1	1975.2	2021.6	2068.2	2070.9	2073.4
1784.6	42.5°	1756.6	1728.6	1744.5	1760.5	1802.3	1844.2	1894.3	1944.5	1957.9	1971.3
1679.6	45°	1652.3	1625.1	1638.4	1652.0	1691.7	1731.3	1783.4	1835.4	1854.7	1873.9
1585.9	47.5°	1563.1	1540.2	1552.8	1565.3	1604.1	1642.9	1694.2	1745.6	1767.7	1789.9
1503.4	50°	1483.1	1463.0	1482.6	1502.3	1538.9	1575.4	1621.4	1667.4	1695.9	1724.3
1442.0	52.5°	1421.9	1401.9	1431.5	1460.9	1494.5	1527.9	1570.8	1613.7	1647.4	1681.2
1409.3	55°	1377.5	1345.9	1387.8	1429.6	1465.8	1501.9	1539.5	1577.0	1612.7	1648.5
1389.7	57.5°	1343.5	1297.3	1342.3	1387.3	1429.8	1472.3	1509.4	1546.6	1582.7	1618.6
1371.2	60°	1311.4	1251.4	1291.0	1330.4	1379.2	1428.0	1465.6	1503.4	1539.6	1575.8
1349.8	62.5°	1274.9	1200.1	1225.2	1250.2	1307.1	1364.0	1404.3	1444.5	1477.7	1510.8
1304.5	65°	1224.9	1145.2	1154.9	1164.5	1225.4	1286.4	1324.9	1363.4	1392.6	1421.8
1223.8	67.5°	1157.5	1091.2	1088.2	1085.1	1141.4	1197.7	1234.3	1270.7	1295.9	1321.1
1121.3	70°	1074.2	1027.0	1016.5	1006.0	1055.5	1105.0	1136.5	1168.0	1190.7	1213.5
1007.2	72.5°	974.9	942.6	927.2	911.9	950.8	989.7	1018.2	1046.6	1068.9	1091.2
877.7	75°	852.8	827.9	813.2	798.3	827.3	856.2	882.0	907.8	928.1	948.4
747.9	77.5°	728.0	708.0	693.1	678.2	701.7	725.2	747.3	769.5	790.9	812.1
600.0	80°	583.3	566.5	554.0	541.4	561.0	580.5	599.2	617.8	634.0	650.2
441.3	82.5°	433.1	425.0	416.1	407.2	405.6	404.0	397.4	390.9	425.4	460.0
290.5	85°	281.8	273.0	263.1	253.2	244.8	236.3	218.2	200.1	232.4	264.9
128.3	87.5°	124.8	121.3	119.5	117.6	117.3	116.9	103.1	89.3	102.8	116.4
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: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3040.7	0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
2814.9	2.5°	2803.9	2795.2	2786.6	2778.7	2770.6	2760.7	2770.6	2778.7	2786.6	2795.2
2648.6	5°	2633.3	2622.4	2611.6	2603.3	2595.0	2586.8	2595.0	2603.3	2611.6	2622.4
2548.8	7.5°	2530.6	2518.1	2505.7	2498.3	2490.9	2485.3	2490.9	2498.3	2505.7	2518.1
2520.1	10°	2499.6	2487.8	2476.0	2469.7	2463.4	2460.8	2463.4	2469.7	2476.0	2487.8
2571.7	12.5°	2545.4	2532.2	2519.2	2513.8	2508.4	2507.5	2508.4	2513.8	2519.2	2532.2
2680.2	15°	2640.3	2622.0	2603.8	2596.8	2589.8	2589.2	2589.8	2596.8	2603.8	2622.0
2790.3	17.5°	2731.5	2704.5	2677.3	2668.4	2659.4	2658.0	2659.4	2668.4	2677.3	2704.5
2858.9	20°	2786.9	2752.3	2717.5	2706.4	2695.3	2691.8	2695.3	2706.4	2717.5	2752.3
2863.3	22.5°	2788.9	2752.4	2715.8	2703.5	2691.3	2686.0	2691.3	2703.5	2715.8	2752.4
2798.3	25°	2732.5	2700.7	2669.1	2657.5	2646.1	2639.3	2646.1	2657.5	2669.1	2700.7
2673.1	27.5°	2621.8	2600.6	2579.3	2574.0	2568.8	2567.0	2568.8	2574.0	2579.3	2600.6
2522.4	30°	2485.6	2474.7	2463.7	2463.7	2463.7	2465.5	2463.7	2463.7	2463.7	2474.7
2378.1	32.5°	2348.8	2341.7	2334.6	2335.5	2336.6	2338.3	2336.6	2335.5	2334.6	2341.7
2255.0	35°	2228.0	2217.2	2206.5	2204.1	2201.8	2200.6	2201.8	2204.1	2206.5	2217.2
2150.3	37.5°	2125.4	2105.6	2086.0	2075.7	2065.3	2059.4	2065.3	2075.7	2086.0	2105.6
2052.3	40°	2031.2	2002.5	1974.0	1954.7	1935.5	1924.1	1935.5	1954.7	1974.0	2002.5
1953.5	42.5°	1935.8	1900.2	1864.6	1836.5	1808.3	1789.9	1808.3	1836.5	1864.6	1900.2
1857.8	45°	1841.8	1801.1	1760.5	1727.5	1694.5	1673.2	1694.5	1727.5	1760.5	1801.1
1778.7	47.5°	1767.5	1731.3	1695.2	1664.6	1634.1	1613.7	1634.1	1664.6	1695.2	1731.3
1723.6	50°	1723.2	1694.2	1665.3	1637.0	1608.8	1589.2	1608.8	1637.0	1665.3	1694.2
1687.2	52.5°	1693.3	1669.7	1646.1	1620.8	1595.6	1577.5	1595.6	1620.8	1646.1	1669.7
1656.9	55°	1665.3	1644.7	1624.2	1602.0	1579.9	1563.5	1579.9	1602.0	1624.2	1644.7
1627.1	57.5°	1635.6	1614.9	1594.1	1572.2	1550.1	1533.2	1550.1	1572.2	1594.1	1614.9
1585.1	60°	1594.5	1574.2	1554.0	1531.3	1508.7	1491.2	1508.7	1531.3	1554.0	1574.2
1519.8	62.5°	1528.8	1510.4	1492.1	1468.3	1444.5	1423.5	1444.5	1468.3	1492.1	1510.4
1431.0	65°	1440.1	1422.5	1404.8	1381.7	1358.8	1340.7	1358.8	1381.7	1404.8	1422.5
1330.1	67.5°	1338.9	1322.7	1306.6	1285.1	1263.7	1247.3	1263.7	1285.1	1306.6	1322.7
1222.1	70°	1230.8	1217.6	1204.4	1183.9	1163.3	1144.6	1163.3	1183.9	1204.4	1217.6
1101.5	72.5°	1111.7	1100.8	1089.8	1070.2	1050.7	1032.6	1050.7	1070.2	1089.8	1100.8
959.1	75°	969.9	964.5	959.1	942.7	926.2	909.0	926.2	942.7	959.1	964.5
822.1	77.5°	832.2	824.7	817.0	800.4	783.9	770.1	783.9	800.4	817.0	824.7
663.5	80°	676.8	673.5	670.3	648.1	625.6	599.7	625.6	648.1	670.3	673.5
482.6	82.5°	505.2	503.8	502.3	483.5	464.6	448.1	464.6	483.5	502.3	503.8
292.9	85°	320.9	318.5	316.2	301.5	286.8	271.9	286.8	301.5	316.2	318.5
127.8	87.5°	139.1	136.3	133.3	125.8	118.1	110.8	118.1	125.8	133.3	136.3
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: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3040.7	0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
2803.9	2.5°	2814.9	2826.0	2839.8	2853.5	2871.1	2888.8	2906.4	2924.0	2944.1	2964.3
2633.3	5°	2648.6	2663.8	2685.8	2707.6	2736.1	2764.4	2795.7	2827.0	2862.3	2897.8
2530.6	7.5°	2548.8	2567.0	2592.9	2618.9	2653.6	2688.3	2727.8	2767.1	2813.8	2860.5
2499.6	10°	2520.1	2540.4	2571.6	2602.6	2641.7	2680.8	2723.2	2765.6	2812.3	2858.9
2545.4	12.5°	2571.7	2597.9	2637.6	2677.3	2717.6	2758.1	2791.3	2824.6	2855.4	2886.5
2640.3	15°	2680.2	2720.1	2776.6	2833.0	2868.2	2903.3	2911.9	2920.5	2916.3	2912.1
2731.5	17.5°	2790.3	2849.1	2923.9	2998.7	3027.0	3055.3	3028.4	3001.3	2950.4	2899.5
2786.9	20°	2858.9	2931.0	3016.5	3102.0	3115.2	3128.2	3071.6	3015.1	2926.6	2838.3
2788.9	22.5°	2863.3	2937.5	3019.1	3100.8	3093.0	3085.1	3011.4	2937.8	2836.8	2736.0
2732.5	25°	2798.3	2864.3	2931.2	2998.1	2971.2	2944.1	2871.7	2799.2	2708.4	2617.8
2621.8	27.5°	2673.1	2724.3	2771.9	2819.6	2789.4	2759.3	2701.2	2643.1	2568.6	2494.1
2485.6	30°	2522.4	2559.1	2595.5	2631.8	2607.3	2582.8	2534.4	2486.3	2424.4	2362.6
2348.8	32.5°	2378.1	2407.4	2440.9	2474.2	2446.9	2419.7	2373.4	2327.2	2277.7	2228.4
2228.0	35°	2255.0	2282.1	2305.7	2329.6	2296.9	2264.2	2218.4	2172.6	2135.0	2097.4
2125.4	37.5°	2150.3	2175.2	2186.2	2197.1	2156.7	2116.4	2070.6	2025.0	1998.1	1971.0
2031.2	40°	2052.3	2073.4	2070.9	2068.2	2021.6	1975.2	1931.1	1887.0	1867.5	1848.0
1935.8	42.5°	1953.5	1971.3	1957.9	1944.5	1894.3	1844.2	1802.3	1760.5	1744.5	1728.6
1841.8	45°	1857.8	1873.9	1854.7	1835.4	1783.4	1731.3	1691.7	1652.0	1638.4	1625.1
1767.5	47.5°	1778.7	1789.9	1767.7	1745.6	1694.2	1642.9	1604.1	1565.3	1552.8	1540.2
1723.2	50°	1723.6	1724.3	1695.9	1667.4	1621.4	1575.4	1538.9	1502.3	1482.6	1463.0
1693.3	52.5°	1687.2	1681.2	1647.4	1613.7	1570.8	1527.9	1494.5	1460.9	1431.5	1401.9
1665.3	55°	1656.9	1648.5	1612.7	1577.0	1539.5	1501.9	1465.8	1429.6	1387.8	1345.9
1635.6	57.5°	1627.1	1618.6	1582.7	1546.6	1509.4	1472.3	1429.8	1387.3	1342.3	1297.3
1594.5	60°	1585.1	1575.8	1539.6	1503.4	1465.6	1428.0	1379.2	1330.4	1291.0	1251.4
1528.8	62.5°	1519.8	1510.8	1477.7	1444.5	1404.3	1364.0	1307.1	1250.2	1225.2	1200.1
1440.1	65°	1431.0	1421.8	1392.6	1363.4	1324.9	1286.4	1225.4	1164.5	1154.9	1145.2
1338.9	67.5°	1330.1	1321.1	1295.9	1270.7	1234.3	1197.7	1141.4	1085.1	1088.2	1091.2
1230.8	70°	1222.1	1213.5	1190.7	1168.0	1136.5	1105.0	1055.5	1006.0	1016.5	1027.0
1111.7	72.5°	1101.5	1091.2	1068.9	1046.6	1018.2	989.7	950.8	911.9	927.2	942.6
969.9	75°	959.1	948.4	928.1	907.8	882.0	856.2	827.3	798.3	813.2	827.9
832.2	77.5°	822.1	812.1	790.9	769.5	747.3	725.2	701.7	678.2	693.1	708.0
676.8	80°	663.5	650.2	634.0	617.8	599.2	580.5	561.0	541.4	554.0	566.5
505.2	82.5°	482.6	460.0	425.4	390.9	397.4	404.0	405.6	407.2	416.1	425.0
320.9	85°	292.9	264.9	232.4	200.1	218.2	236.3	244.8	253.2	263.1	273.0
139.1	87.5°	127.8	116.4	102.8	89.3	103.1	116.9	117.3	117.6	119.5	121.3
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: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3040.7	0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
2986.6	2.5°	3009.0	3036.6	3061.5	3087.2	3112.8	3139.7	3166.5	3193.1	3219.8	3244.9
2940.1	5°	2982.4	3030.8	3079.8	3131.7	3183.7	3239.2	3294.9	3350.1	3405.4	3460.8
2916.6	7.5°	2972.8	3035.5	3102.3	3174.8	3247.3	3329.5	3411.8	3496.3	3580.7	3672.1
2918.2	10°	2977.5	3044.8	3127.3	3213.2	3298.8	3398.8	3498.7	3610.3	3721.9	3837.5
2934.8	12.5°	2983.3	3046.0	3132.7	3229.6	3326.6	3444.4	3562.3	3688.8	3815.3	3942.2
2935.2	15°	2958.5	3008.6	3104.7	3216.9	3329.2	3464.9	3600.6	3737.8	3875.0	4007.4
2891.1	17.5°	2882.6	2913.5	3026.5	3161.5	3296.5	3454.0	3611.5	3761.2	3910.9	4045.2
2798.6	20°	2758.9	2767.1	2898.6	3065.9	3233.3	3424.1	3615.0	3779.6	3944.1	4083.7
2677.3	22.5°	2618.6	2602.6	2752.3	2953.8	3155.3	3387.5	3619.7	3804.3	3988.8	4131.5
2550.1	25°	2482.4	2439.2	2592.7	2828.6	3064.6	3351.3	3638.1	3849.1	4059.9	4199.6
2428.7	27.5°	2363.4	2310.9	2450.6	2714.1	2977.7	3327.2	3676.6	3919.1	4161.5	4294.8
2310.5	30°	2258.7	2217.5	2334.8	2618.5	2902.1	3315.9	3729.4	4009.8	4290.2	4418.9
2197.7	32.5°	2167.0	2148.7	2243.2	2536.0	2828.6	3301.9	3774.9	4104.4	4433.9	4561.3
2088.8	35°	2080.4	2088.0	2166.8	2454.9	2743.0	3275.5	3808.3	4212.2	4616.2	4738.3
1980.3	37.5°	1989.7	2017.4	2086.3	2359.4	2632.6	3230.3	3828.1	4333.0	4837.9	4993.5
1869.1	40°	1890.2	1932.8	1995.3	2245.5	2495.8	3168.1	3840.6	4486.3	5131.9	5358.7
1756.6	42.5°	1784.6	1838.3	1895.8	2119.9	2343.9	3104.0	3864.3	4686.9	5509.5	5836.9
1652.3	45°	1679.6	1731.6	1789.9	1986.4	2182.9	3044.3	3905.9	4950.8	5995.7	6437.3
1563.1	47.5°	1585.9	1630.6	1705.9	1880.8	2055.7	2995.1	3934.5	5232.0	6529.5	7151.2
1483.1	50°	1503.4	1555.4	1654.3	1810.7	1967.0	2941.4	3915.8	5492.9	7070.0	8007.2
1421.9	52.5°	1442.0	1514.5	1628.3	1764.5	1900.7	2850.8	3800.9	5662.3	7523.6	8906.3
1377.5	55°	1409.3	1518.6	1624.4	1731.0	1837.5	2700.5	3563.5	5625.0	7686.4	9703.5
1343.5	57.5°	1389.7	1522.7	1616.0	1691.3	1766.6	2488.6	3210.5	5362.2	7514.1	10268.5
1311.4	60°	1371.2	1509.9	1571.5	1630.6	1689.8	2213.5	2737.1	4873.2	7009.3	10409.7
1274.9	62.5°	1349.8	1478.4	1485.9	1525.1	1564.5	1884.2	2203.9	4212.0	6220.1	9815.2
1224.9	65°	1304.5	1402.5	1401.6	1420.1	1438.7	1587.9	1737.2	3537.3	5337.6	8974.0
1157.5	67.5°	1223.8	1278.8	1281.4	1271.1	1260.7	1303.2	1345.6	2876.4	4407.3	7973.0
1074.2	70°	1121.3	1139.4	1139.4	1091.4	1043.4	1031.4	1019.2	2264.8	3510.4	6880.7
974.9	72.5°	1007.2	1007.0	995.5	927.5	859.4	822.7	786.2	1731.4	2676.7	5696.6
852.8	75°	877.7	882.1	829.4	753.1	676.8	643.6	610.5	1256.7	1902.8	4339.3
728.0	77.5°	747.9	750.3	663.3	589.2	515.2	492.5	470.0	851.5	1233.1	3037.1
583.3	80°	600.0	600.3	496.5	433.8	371.0	361.7	352.4	548.6	745.0	1956.8
433.1	82.5°	441.3	436.4	347.7	301.5	255.3	253.4	251.8	337.4	423.3	1132.5
281.8	85°	290.5	284.1	218.2	184.4	150.5	151.5	152.3	180.4	208.6	509.4
124.8	87.5°	128.3	120.2	92.8	78.9	65.1	65.9	66.7	74.8	82.8	166.9
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: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3040.7	0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
3270.0	2.5°	3282.4	3294.9	3312.5	3330.1	3340.6	3351.1	3356.4	3361.6	3359.3	3361.6
3516.2	5°	3559.5	3602.9	3645.8	3688.9	3712.2	3735.6	3749.7	3763.9	3774.7	3763.9
3763.6	7.5°	3834.0	3904.4	3967.8	4031.1	4069.3	4107.4	4128.1	4148.6	4158.5	4148.6
3953.2	10°	4036.5	4119.8	4194.1	4268.5	4313.5	4358.3	4378.4	4398.3	4405.9	4398.3
4069.3	12.5°	4159.6	4249.8	4317.0	4384.0	4416.6	4449.3	4460.3	4471.2	4472.4	4471.2
4139.9	15°	4217.8	4295.6	4337.8	4380.0	4381.2	4382.3	4370.7	4359.0	4345.2	4359.0
4179.5	17.5°	4232.2	4284.8	4285.6	4286.3	4239.1	4191.8	4148.5	4105.1	4074.5	4105.1
4223.3	20°	4241.6	4260.1	4204.6	4149.2	4044.9	3940.6	3864.6	3788.7	3742.0	3788.7
4274.1	22.5°	4250.0	4226.0	4111.2	3996.4	3842.9	3689.5	3594.5	3499.5	3447.9	3499.5
4339.4	25°	4263.6	4187.7	4013.4	3839.1	3652.7	3466.4	3366.5	3266.9	3218.1	3266.9
4428.1	27.5°	4292.5	4156.8	3925.9	3695.1	3488.6	3282.0	3183.8	3085.7	3039.6	3085.7
4547.7	30°	4345.5	4143.4	3859.1	3574.9	3359.7	3144.6	3053.4	2962.3	2919.4	2962.3
4688.9	32.5°	4412.0	4135.2	3813.6	3492.1	3289.8	3087.6	3016.1	2944.5	2913.5	2944.5
4860.4	35°	4521.5	4182.8	3847.7	3512.7	3372.2	3231.9	3215.2	3198.5	3195.9	3198.5
5149.2	37.5°	4750.6	4352.0	4047.5	3742.9	3733.8	3724.7	3801.0	3877.3	3917.0	3877.3
5585.6	40°	5152.1	4718.6	4492.1	4265.7	4425.5	4585.4	4770.9	4956.4	5048.8	4956.4
6164.3	42.5°	5734.2	5304.1	5173.7	5043.2	5391.9	5740.5	6078.0	6415.4	6613.5	6415.4
6879.0	45°	6492.6	6106.2	6048.7	5991.0	6549.6	7108.3	7662.7	8217.3	8553.9	8217.3
7772.8	47.5°	7396.9	7021.0	7009.3	6997.6	7803.4	8609.0	9420.8	10232.4	10709.1	10232.4
8944.2	50°	8480.0	8015.8	8017.8	8019.8	9058.2	10096.7	11168.2	12239.7	12887.5	12239.7
10289.0	52.5°	9726.8	9164.8	9107.9	9051.0	10291.5	11531.9	12857.6	14183.3	14959.8	14183.3
11720.7	55°	11165.3	10609.9	10388.3	10166.7	11547.3	12927.8	14508.2	16088.7	17012.2	16088.7
13022.9	57.5°	12720.4	12417.9	11973.4	11529.1	12923.1	14317.1	16107.2	17897.2	19042.5	17897.2
13809.9	60°	14279.6	14749.5	14197.6	13645.7	14964.9	16284.1	18200.7	20117.3	21355.1	20117.3
13410.2	62.5°	14693.9	15977.5	15915.3	15853.0	17061.4	18270.0	20093.5	21916.9	23061.0	21916.9
12610.4	65°	13815.1	15019.9	15258.2	15496.5	17032.3	18568.2	20336.4	22104.4	23078.5	22104.4
11538.7	67.5°	12684.5	13830.3	13942.1	14053.7	15653.9	17254.0	19029.8	20805.5	21568.6	20805.5
10251.1	70°	11497.4	12743.8	12793.7	12843.8	14274.7	15705.6	17233.8	18761.9	19186.0	18761.9
8716.7	72.5°	10146.9	11577.2	11613.1	11648.9	12768.5	13888.1	15032.6	16177.0	16219.9	16177.0
6775.7	75°	8255.9	9736.2	9869.1	10002.0	10873.0	11744.0	12549.7	13355.4	13139.5	13355.4
4841.1	77.5°	6222.9	7604.7	7794.9	7985.1	8647.3	9309.5	9880.8	10452.4	10081.3	10452.4
3168.5	80°	4331.0	5493.4	5729.8	5966.2	6466.3	6966.1	7266.2	7566.2	6969.4	7566.2
1841.8	82.5°	2636.5	3431.4	3695.4	3959.6	4303.8	4648.0	4773.2	4898.3	4429.2	4898.3
810.4	85°	1232.2	1654.0	1878.6	2103.2	2386.0	2668.7	2739.8	2810.9	2435.1	2810.9
250.9	87.5°	392.6	534.4	659.7	785.0	926.5	1067.9	1073.9	1079.9	906.6	1079.9
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: P953683
 CATALOG NUMBER: GALN-SB7A-930-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3040.7	0°	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7	3040.7
3356.4	2.5°	3351.1	3340.6	3330.1	3312.5	3294.9	3282.4	3270.0
3749.7	5°	3735.6	3712.2	3688.9	3645.8	3602.9	3559.5	3516.2
4128.1	7.5°	4107.4	4069.3	4031.1	3967.8	3904.4	3834.0	3763.6
4378.4	10°	4358.3	4313.5	4268.5	4194.1	4119.8	4036.5	3953.2
4460.3	12.5°	4449.3	4416.6	4384.0	4317.0	4249.8	4159.6	4069.3
4370.7	15°	4382.3	4381.2	4380.0	4337.8	4295.6	4217.8	4139.9
4148.5	17.5°	4191.8	4239.1	4286.3	4285.6	4284.8	4232.2	4179.5
3864.6	20°	3940.6	4044.9	4149.2	4204.6	4260.1	4241.6	4223.3
3594.5	22.5°	3689.5	3842.9	3996.4	4111.2	4226.0	4250.0	4274.1
3366.5	25°	3466.4	3652.7	3839.1	4013.4	4187.7	4263.6	4339.4
3183.8	27.5°	3282.0	3488.6	3695.1	3925.9	4156.8	4292.5	4428.1
3053.4	30°	3144.6	3359.7	3574.9	3859.1	4143.4	4345.5	4547.7
3016.1	32.5°	3087.6	3289.8	3492.1	3813.6	4135.2	4412.0	4688.9
3215.2	35°	3231.9	3372.2	3512.7	3847.7	4182.8	4521.5	4860.4
3801.0	37.5°	3724.7	3733.8	3742.9	4047.5	4352.0	4750.6	5149.2
4770.9	40°	4585.4	4425.5	4265.7	4492.1	4718.6	5152.1	5585.6
6078.0	42.5°	5740.5	5391.9	5043.2	5173.7	5304.1	5734.2	6164.3
7662.7	45°	7108.3	6549.6	5991.0	6048.7	6106.2	6492.6	6879.0
9420.8	47.5°	8609.0	7803.4	6997.6	7009.3	7021.0	7396.9	7772.8
11168.2	50°	10096.7	9058.2	8019.8	8017.8	8015.8	8480.0	8944.2
12857.6	52.5°	11531.9	10291.5	9051.0	9107.9	9164.8	9726.8	10289.0
14508.2	55°	12927.8	11547.3	10166.7	10388.3	10609.9	11165.3	11720.7
16107.2	57.5°	14317.1	12923.1	11529.1	11973.4	12417.9	12720.4	13022.9
18200.7	60°	16284.1	14964.9	13645.7	14197.6	14749.5	14279.6	13809.9
20093.5	62.5°	18270.0	17061.4	15853.0	15915.3	15977.5	14693.9	13410.2
20336.4	65°	18568.2	17032.3	15496.5	15258.2	15019.9	13815.1	12610.4
19029.8	67.5°	17254.0	15653.9	14053.7	13942.1	13830.3	12684.5	11538.7
17233.8	70°	15705.6	14274.7	12843.8	12793.7	12743.8	11497.4	10251.1
15032.6	72.5°	13888.1	12768.5	11648.9	11613.1	11577.2	10146.9	8716.7
12549.7	75°	11744.0	10873.0	10002.0	9869.1	9736.2	8255.9	6775.7
9880.8	77.5°	9309.5	8647.3	7985.1	7794.9	7604.7	6222.9	4841.1
7266.2	80°	6966.1	6466.3	5966.2	5729.8	5493.4	4331.0	3168.5
4773.2	82.5°	4648.0	4303.8	3959.6	3695.4	3431.4	2636.5	1841.8
2739.8	85°	2668.7	2386.0	2103.2	1878.6	1654.0	1232.2	810.4
1073.9	87.5°	1067.9	926.5	785.0	659.7	534.4	392.6	250.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)