

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: P949733

Luminaire Tested: **GALN-SB4B-927-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949733  
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-SB4B-927-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

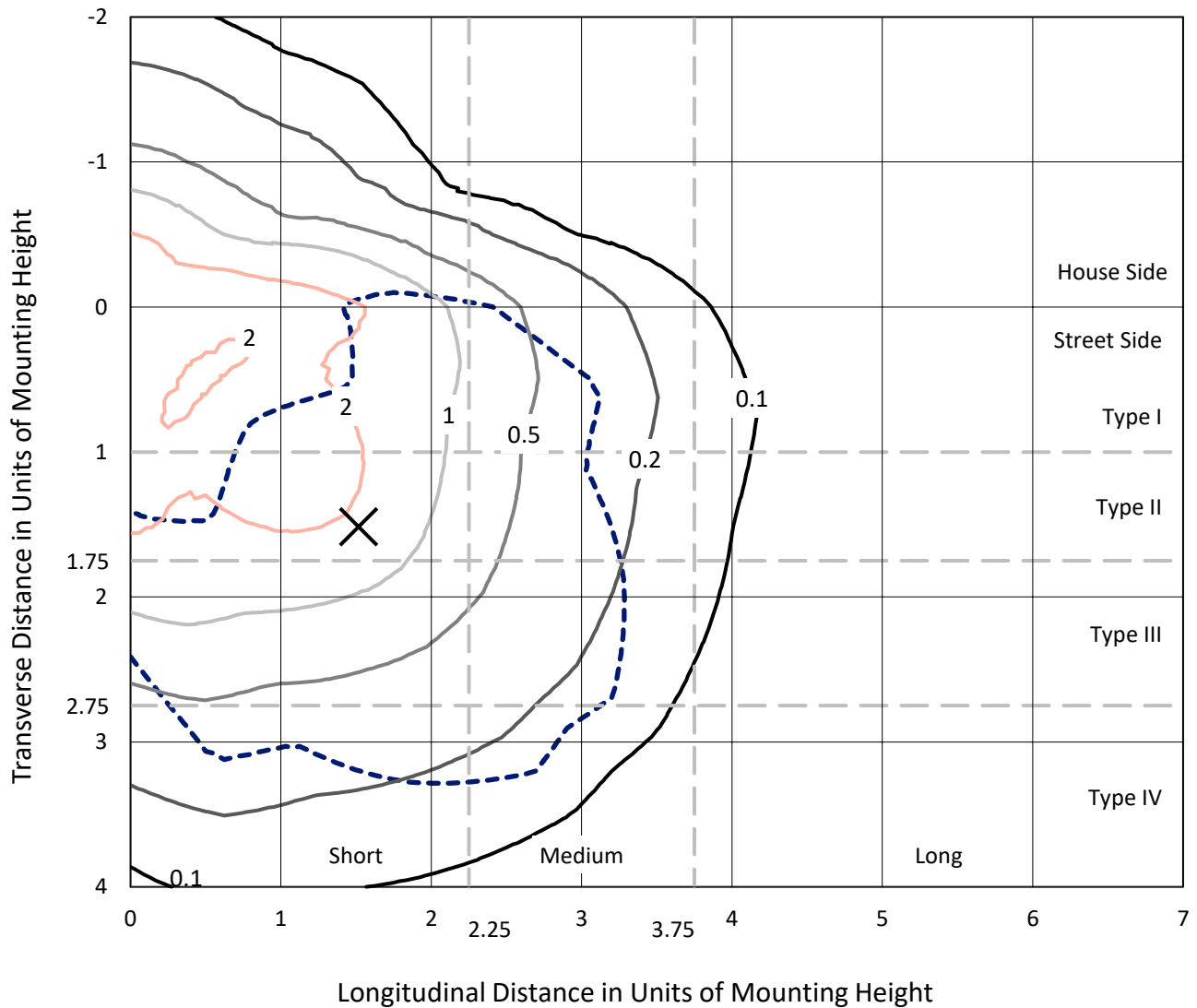
Lumens per Lamp: N/A  
Luminaire Lumens: 13688 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P949733  
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### Iso-Footcandle Lines of Horizontal Illumination

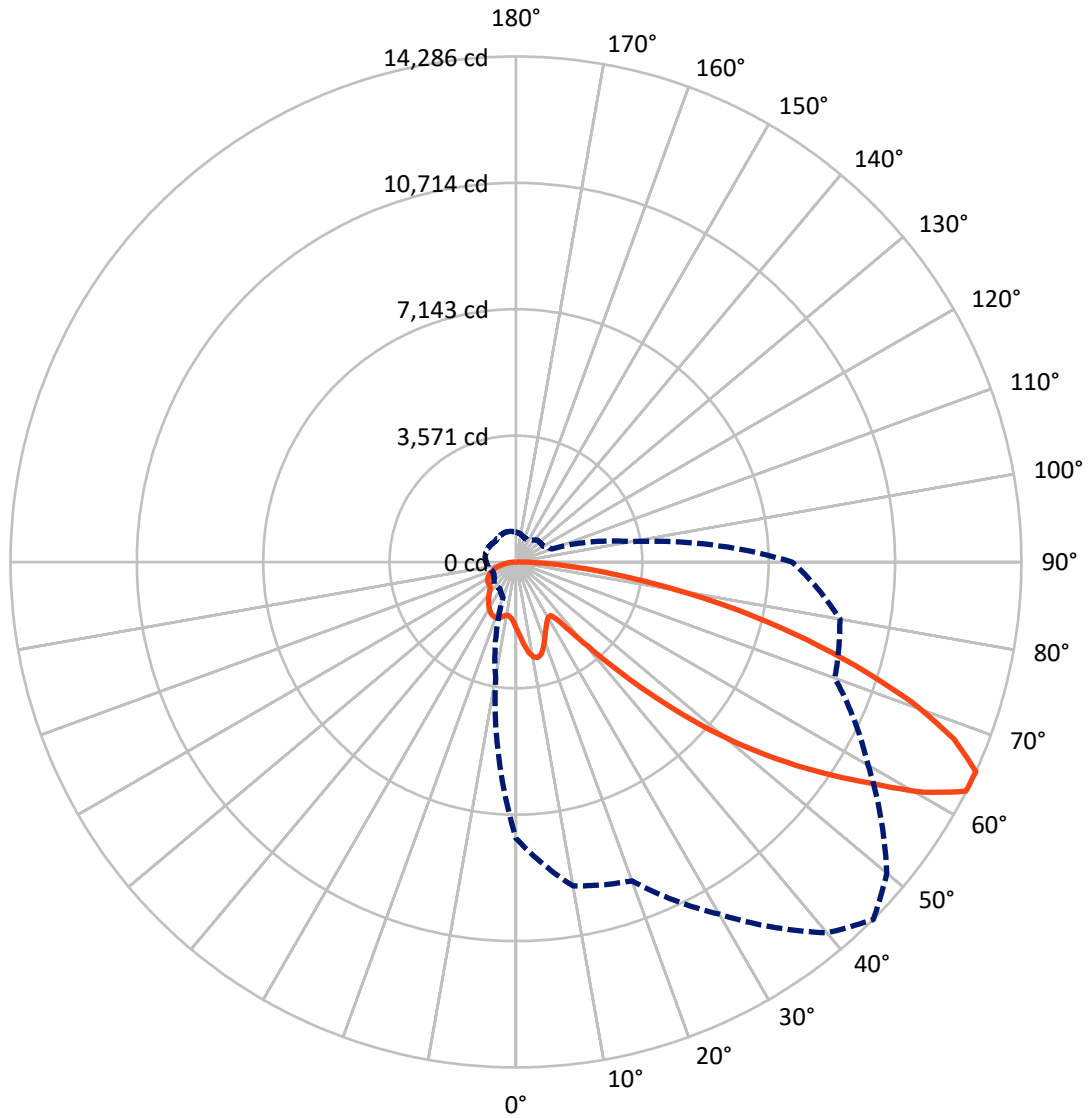
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P949733  
CATALOG NUMBER: GALN-SB4B-927-U-SLL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P949733

CATALOG NUMBER: GALN-SB4B-927-U-SLL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3478.8	0.0	3478.8
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	10209.2	0.0	10209.2
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	13688.0	0.0	13688.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	186.7	1.4
10°-20°	586.1	4.3
20°-30°	905.4	6.6
30°-40°	1147.3	8.4
40°-50°	1730.5	12.6
50°-60°	2795.8	20.4
60°-70°	3485.5	25.5
70°-80°	2285.6	16.7
80°-90°	565.1	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°	13688.0	100.0
0°-180°	13688.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P949733

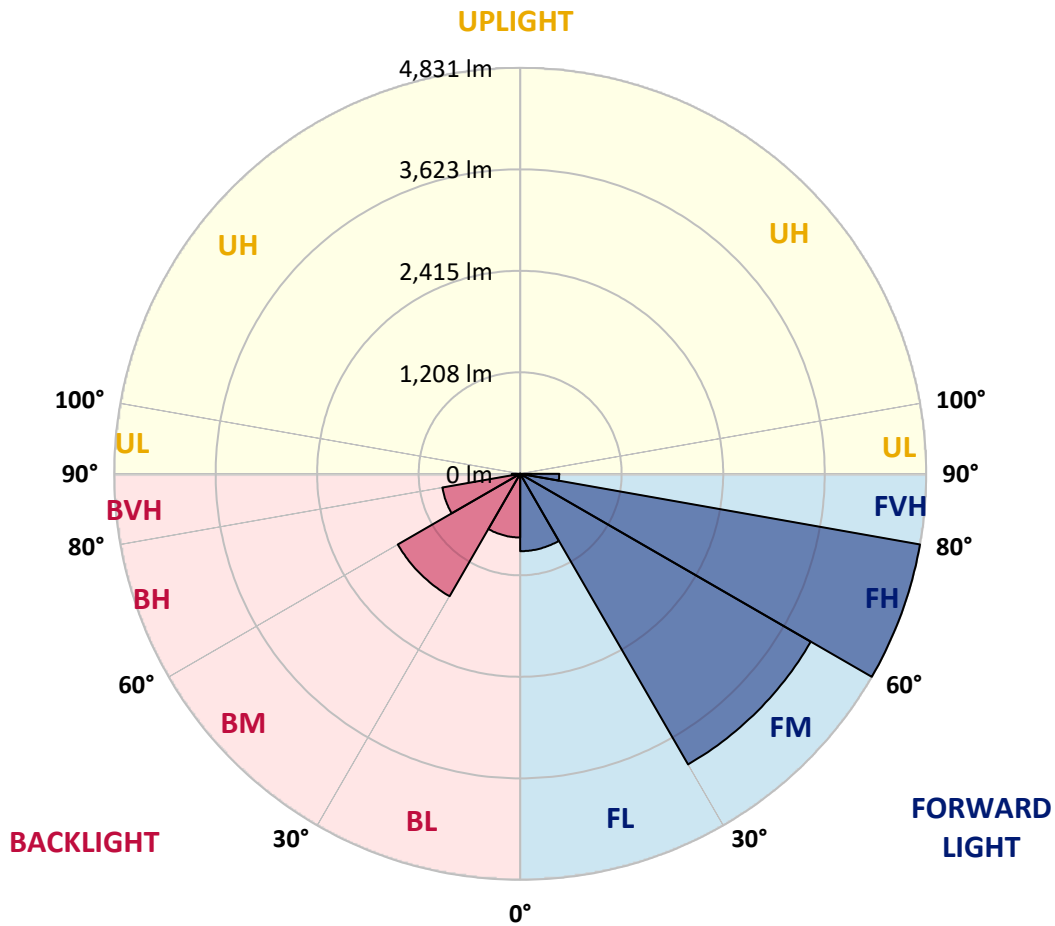
CATALOG NUMBER: GALN-SB4B-927-U-SLL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	920.7	6.7			
FM (30°-60°)	3992.5	29.2			
FH (60°-80°)	4830.5	35.3			G2/5000
FVH (80°-90°)	465.5	3.4			G3/500
BL (0°-30°)	757.6	5.5	B2/1000		
BM (30°-60°)	1681.2	12.3	B2/2500		
BH (60°-80°)	940.5	6.9	B2/1000		G2/1000
BVH (80°-90°)	99.6	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



REPORT NUMBER: P949733

CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
2.5°	2024.1	2031.8	2039.5	2050.4	2061.3	2067.8	2074.3	2077.6	2080.8	2079.4
5°	2176.5	2203.3	2230.2	2256.8	2283.4	2297.9	2312.3	2321.1	2329.9	2336.5
7.5°	2329.7	2373.3	2416.8	2456.1	2495.3	2518.9	2542.5	2555.3	2568.0	2574.1
10°	2447.0	2498.6	2550.2	2596.2	2642.2	2670.1	2697.8	2710.2	2722.6	2727.3
12.5°	2518.9	2574.8	2630.6	2672.2	2713.7	2733.9	2754.1	2760.9	2767.7	2768.4
15°	2562.6	2610.8	2659.0	2685.1	2711.2	2712.0	2712.7	2705.5	2698.2	2689.7
17.5°	2587.1	2619.7	2652.3	2652.8	2653.2	2624.0	2594.7	2567.9	2541.1	2522.1
20°	2614.2	2625.6	2637.0	2602.7	2568.4	2503.8	2439.2	2392.2	2345.2	2316.3
22.5°	2645.7	2630.8	2615.9	2544.8	2473.8	2378.8	2283.8	2225.0	2166.2	2134.3
25°	2686.1	2639.1	2592.2	2484.3	2376.4	2261.0	2145.7	2083.9	2022.2	1992.0
27.5°	2741.0	2657.1	2573.1	2430.1	2287.3	2159.4	2031.6	1970.8	1910.0	1881.5
30°	2815.0	2689.9	2564.8	2388.8	2212.9	2079.7	1946.5	1890.1	1833.7	1807.1
32.5°	2902.4	2731.0	2559.7	2360.6	2161.6	2036.4	1911.3	1867.0	1822.6	1803.5
35°	3008.6	2798.8	2589.2	2381.7	2174.4	2087.4	2000.5	1990.2	1979.9	1978.3
37.5°	3187.3	2940.6	2693.9	2505.4	2316.9	2311.2	2305.6	2352.8	2400.1	2424.6
40°	3457.5	3189.2	2920.8	2780.6	2640.4	2739.4	2838.3	2953.2	3068.0	3125.2
42.5°	3815.7	3549.5	3283.3	3202.5	3121.8	3337.6	3553.4	3762.3	3971.1	4093.8
45°	4258.1	4019.0	3779.7	3744.1	3708.5	4054.2	4400.0	4743.2	5086.5	5294.9
47.5°	4811.4	4578.7	4346.0	4338.8	4331.6	4830.4	5329.0	5831.5	6333.9	6628.9
50°	5536.5	5249.1	4961.8	4963.0	4964.3	5607.1	6249.9	6913.1	7576.4	7977.4
52.5°	6368.9	6020.9	5673.0	5637.8	5602.6	6370.4	7138.3	7958.9	8779.5	9260.1
55°	7255.1	6911.3	6567.5	6430.4	6293.2	7147.8	8002.3	8980.6	9958.9	10530.6
57.5°	8061.2	7874.0	7686.7	7411.6	7136.5	7999.4	8862.3	9970.4	11078.4	11787.3
60°	8548.3	8839.1	9130.0	8788.4	8446.7	9263.3	10079.9	11266.3	12452.7	13218.9
62.5°	8301.0	9095.5	9890.1	9851.6	9813.0	10561.1	11309.2	12438.0	13566.6	14274.8
65°	7805.9	8551.6	9297.3	9444.9	9592.4	10543.0	11493.7	12588.3	13682.7	14285.6
67.5°	7142.5	7851.7	8561.0	8630.2	8699.3	9689.8	10680.3	11779.5	12878.7	13351.0
70°	6345.4	7116.9	7888.4	7919.3	7950.3	8836.1	9721.8	10667.8	11613.6	11876.2
72.5°	5395.7	6280.9	7166.3	7188.5	7210.7	7903.7	8596.7	9305.2	10013.6	10040.2
75°	4194.2	5110.4	6026.7	6109.0	6191.2	6730.4	7269.6	7768.3	8267.0	8133.4
77.5°	2996.7	3852.0	4707.4	4825.1	4942.8	5352.7	5762.6	6116.3	6470.0	6240.4
80°	1961.3	2680.9	3400.4	3546.7	3693.1	4002.6	4312.1	4497.8	4683.5	4314.1
82.5°	1140.1	1632.0	2124.0	2287.5	2451.0	2664.1	2877.1	2954.6	3032.1	2741.7
85°	501.6	762.7	1023.8	1162.8	1301.9	1477.0	1652.0	1695.9	1739.9	1507.4
87.5°	155.3	243.0	330.8	408.4	485.9	573.5	661.0	664.8	668.5	561.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949733  
 CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1882.2	0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
2080.8	2.5°	2077.6	2074.3	2067.8	2061.3	2050.4	2039.5	2031.8	2024.1	2008.6	1993.1
2329.9	5°	2321.1	2312.3	2297.9	2283.4	2256.8	2230.2	2203.3	2176.5	2142.2	2107.9
2568.0	7.5°	2555.3	2542.5	2518.9	2495.3	2456.1	2416.8	2373.3	2329.7	2273.0	2216.5
2722.6	10°	2710.2	2697.8	2670.1	2642.2	2596.2	2550.2	2498.6	2447.0	2375.5	2303.9
2767.7	12.5°	2760.9	2754.1	2733.9	2713.7	2672.2	2630.6	2574.8	2518.9	2440.2	2361.7
2698.2	15°	2705.5	2712.7	2712.0	2711.2	2685.1	2659.0	2610.8	2562.6	2480.6	2398.6
2541.1	17.5°	2567.9	2594.7	2624.0	2653.2	2652.8	2652.3	2619.7	2587.1	2504.0	2420.9
2345.2	20°	2392.2	2439.2	2503.8	2568.4	2602.7	2637.0	2625.6	2614.2	2527.8	2441.4
2166.2	22.5°	2225.0	2283.8	2378.8	2473.8	2544.8	2615.9	2630.8	2645.7	2557.4	2469.1
2022.2	25°	2083.9	2145.7	2261.0	2376.4	2484.3	2592.2	2639.1	2686.1	2599.6	2513.1
1910.0	27.5°	1970.8	2031.6	2159.4	2287.3	2430.1	2573.1	2657.1	2741.0	2658.5	2576.0
1833.7	30°	1890.1	1946.5	2079.7	2212.9	2388.8	2564.8	2689.9	2815.0	2735.3	2655.6
1822.6	32.5°	1867.0	1911.3	2036.4	2161.6	2360.6	2559.7	2731.0	2902.4	2823.5	2744.6
1979.9	35°	1990.2	2000.5	2087.4	2174.4	2381.7	2589.2	2798.8	3008.6	2933.0	2857.4
2400.1	37.5°	2352.8	2305.6	2311.2	2316.9	2505.4	2693.9	2940.6	3187.3	3091.0	2994.6
3068.0	40°	2953.2	2838.3	2739.4	2640.4	2780.6	2920.8	3189.2	3457.5	3317.1	3176.7
3971.1	42.5°	3762.3	3553.4	3337.6	3121.8	3202.5	3283.3	3549.5	3815.7	3613.0	3410.4
5086.5	45°	4743.2	4400.0	4054.2	3708.5	3744.1	3779.7	4019.0	4258.1	3984.7	3711.3
6333.9	47.5°	5831.5	5329.0	4830.4	4331.6	4338.8	4346.0	4578.7	4811.4	4426.6	4041.8
7576.4	50°	6913.1	6249.9	5607.1	4964.3	4963.0	4961.8	5249.1	5536.5	4956.5	4376.3
8779.5	52.5°	7958.9	7138.3	6370.4	5602.6	5637.8	5673.0	6020.9	6368.9	5513.0	4657.2
9958.9	55°	8980.6	8002.3	7147.8	6293.2	6430.4	6567.5	6911.3	7255.1	6006.5	4757.9
11078.4	57.5°	9970.4	8862.3	7999.4	7136.5	7411.6	7686.7	7874.0	8061.2	6356.2	4651.2
12452.7	60°	11266.3	10079.9	9263.3	8446.7	8788.4	9130.0	8839.1	8548.3	6443.6	4338.8
13566.6	62.5°	12438.0	11309.2	10561.1	9813.0	9851.6	9890.1	9095.5	8301.0	6075.6	3850.2
13682.7	65°	12588.3	11493.7	10543.0	9592.4	9444.9	9297.3	8551.6	7805.9	5554.9	3304.0
12878.7	67.5°	11779.5	10680.3	9689.8	8699.3	8630.2	8561.0	7851.7	7142.5	4935.3	2728.1
11613.6	70°	10667.8	9721.8	8836.1	7950.3	7919.3	7888.4	7116.9	6345.4	4259.2	2172.9
10013.6	72.5°	9305.2	8596.7	7903.7	7210.7	7188.5	7166.3	6280.9	5395.7	3526.2	1656.9
8267.0	75°	7768.3	7269.6	6730.4	6191.2	6109.0	6026.7	5110.4	4194.2	2686.0	1177.9
6470.0	77.5°	6116.3	5762.6	5352.7	4942.8	4825.1	4707.4	3852.0	2996.7	1880.0	763.3
4683.5	80°	4497.8	4312.1	4002.6	3693.1	3546.7	3400.4	2680.9	1961.3	1211.2	461.2
3032.1	82.5°	2954.6	2877.1	2664.1	2451.0	2287.5	2124.0	1632.0	1140.1	701.0	262.0
1739.9	85°	1695.9	1652.0	1477.0	1301.9	1162.8	1023.8	762.7	501.6	315.3	129.1
668.5	87.5°	664.8	661.0	573.5	485.9	408.4	330.8	243.0	155.3	103.3	51.3
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: P949733  
 CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1882.2	0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
1976.5	2.5°	1960.1	1943.5	1926.9	1911.0	1895.1	1879.7	1862.6	1848.7	1834.9	1822.4
2073.7	5°	2039.5	2005.1	1970.7	1938.6	1906.4	1876.1	1846.1	1820.0	1793.7	1771.8
2164.2	7.5°	2111.9	2061.0	2010.1	1965.2	1920.4	1879.0	1840.2	1805.4	1770.6	1741.7
2234.8	10°	2165.7	2103.9	2042.0	1989.0	1935.8	1884.7	1843.1	1806.4	1769.7	1740.8
2283.4	12.5°	2205.1	2132.1	2059.2	1999.2	1939.1	1885.5	1846.7	1816.6	1786.7	1767.5
2313.7	15°	2228.8	2144.8	2060.8	1991.3	1921.8	1862.4	1831.3	1816.9	1802.6	1805.2
2328.2	17.5°	2235.5	2138.0	2040.5	1957.0	1873.4	1803.5	1784.4	1789.6	1794.8	1826.3
2339.6	20°	2237.7	2119.6	2001.4	1897.8	1794.2	1712.8	1707.8	1732.3	1756.9	1811.6
2354.9	22.5°	2240.6	2096.9	1953.1	1828.4	1703.7	1611.0	1620.9	1657.2	1693.6	1756.0
2382.6	25°	2252.0	2074.5	1897.0	1750.9	1604.9	1509.9	1536.6	1578.5	1620.4	1676.5
2425.9	27.5°	2275.9	2059.5	1843.2	1680.1	1516.9	1430.4	1462.9	1503.4	1543.8	1590.0
2482.1	30°	2308.5	2052.5	1796.4	1620.8	1445.2	1372.7	1398.2	1430.2	1462.4	1500.7
2540.6	32.5°	2336.7	2043.9	1750.9	1569.8	1388.6	1330.0	1341.4	1360.4	1379.4	1409.9
2607.4	35°	2357.3	2027.5	1697.9	1519.6	1341.2	1292.5	1287.8	1293.0	1298.3	1321.6
2682.1	37.5°	2369.6	1999.6	1629.6	1460.5	1291.4	1248.8	1231.6	1225.8	1220.0	1236.8
2777.0	40°	2377.3	1961.1	1544.9	1390.0	1235.1	1196.4	1170.1	1157.0	1143.9	1156.0
2901.2	42.5°	2392.0	1921.4	1450.9	1312.2	1173.5	1137.9	1104.7	1087.4	1070.0	1079.9
3064.6	45°	2417.8	1884.5	1351.2	1229.6	1108.0	1071.8	1039.7	1022.8	1006.0	1014.2
3238.6	47.5°	2435.5	1854.0	1272.5	1164.2	1055.9	1009.4	981.7	967.5	953.4	961.2
3400.1	50°	2423.9	1820.8	1217.6	1120.8	1024.0	962.8	930.6	918.1	905.6	917.7
3505.0	52.5°	2352.8	1764.6	1176.6	1092.2	1007.9	937.5	892.6	880.1	867.8	886.1
3481.9	55°	2205.8	1671.6	1137.4	1071.5	1005.5	940.0	872.3	852.7	833.1	859.1
3319.2	57.5°	1987.3	1540.4	1093.5	1046.9	1000.3	942.6	860.2	831.6	803.0	830.9
3016.5	60°	1694.3	1370.1	1046.0	1009.4	972.7	934.6	848.8	811.8	774.6	799.1
2607.2	62.5°	1364.2	1166.3	968.4	944.1	919.8	915.1	835.5	789.1	742.8	758.4
2189.6	65°	1075.3	982.9	890.6	879.1	867.6	868.2	807.5	758.2	708.9	714.9
1780.5	67.5°	832.9	806.7	780.4	786.8	793.2	791.6	757.5	716.5	675.5	673.6
1401.9	70°	630.9	638.4	645.8	675.6	705.3	705.3	694.1	664.9	635.7	629.2
1071.8	72.5°	486.7	509.3	531.9	574.1	616.2	623.3	623.5	603.5	583.4	573.9
777.9	75°	377.9	398.4	418.9	466.1	513.4	546.0	543.3	527.9	512.4	503.3
527.1	77.5°	290.9	304.9	318.9	364.7	410.6	464.4	463.0	450.6	438.3	429.0
339.6	80°	218.1	223.9	229.7	268.5	307.3	371.6	371.4	361.1	350.7	342.9
208.9	82.5°	155.9	156.9	158.0	186.6	215.2	270.1	273.2	268.1	263.0	257.6
111.7	85°	94.3	93.7	93.2	114.1	135.1	175.9	179.8	174.4	169.0	162.9
46.3	87.5°	41.3	40.8	40.3	48.8	57.4	74.4	79.4	77.3	75.1	74.0
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: P949733  
 CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1882.2	0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
1810.0	2.5°	1799.1	1788.2	1777.2	1766.3	1757.8	1749.3	1742.5	1735.6	1730.3	1724.9
1749.9	5°	1730.5	1711.2	1693.6	1676.0	1662.5	1648.9	1639.5	1630.0	1623.3	1616.6
1712.8	7.5°	1688.5	1664.1	1642.6	1621.1	1605.0	1589.0	1577.7	1566.4	1558.7	1551.1
1711.9	10°	1685.7	1659.4	1635.2	1611.0	1591.8	1572.5	1559.9	1547.2	1539.9	1532.6
1748.5	12.5°	1727.8	1707.3	1682.2	1657.2	1632.7	1608.1	1591.9	1575.6	1567.5	1559.4
1807.8	15°	1802.5	1797.1	1775.4	1753.7	1718.7	1683.7	1659.0	1634.3	1623.0	1611.7
1857.8	17.5°	1874.6	1891.2	1873.7	1856.2	1809.9	1763.6	1727.2	1690.8	1674.1	1657.2
1866.3	20°	1901.4	1936.4	1928.3	1920.1	1867.2	1814.3	1769.7	1725.1	1703.7	1682.2
1818.5	22.5°	1864.1	1909.7	1914.6	1919.4	1868.9	1818.3	1772.4	1726.4	1703.7	1681.1
1732.7	25°	1777.6	1822.4	1839.2	1855.9	1814.4	1773.0	1732.1	1691.4	1671.8	1652.2
1636.1	27.5°	1672.0	1708.0	1726.6	1745.3	1715.8	1686.3	1654.6	1622.9	1609.8	1596.6
1539.0	30°	1568.8	1598.7	1613.9	1629.1	1606.6	1584.1	1561.4	1538.6	1531.8	1525.1
1440.6	32.5°	1469.2	1497.8	1514.7	1531.6	1510.9	1490.2	1472.0	1453.9	1449.5	1445.1
1344.9	35°	1373.2	1401.6	1421.8	1442.0	1427.3	1412.6	1395.8	1379.2	1372.4	1365.8
1253.5	37.5°	1281.7	1310.0	1335.0	1360.0	1353.2	1346.4	1331.1	1315.6	1303.4	1291.3
1168.0	40°	1195.3	1222.6	1251.4	1280.2	1281.9	1283.5	1270.4	1257.3	1239.5	1221.9
1089.8	42.5°	1115.6	1141.5	1172.6	1203.7	1212.0	1220.3	1209.2	1198.2	1176.2	1154.2
1022.6	45°	1047.1	1071.7	1103.9	1136.1	1148.0	1160.0	1150.0	1140.1	1114.9	1089.8
968.9	47.5°	993.0	1016.9	1048.7	1080.5	1094.2	1108.0	1101.0	1094.1	1071.7	1049.3
929.9	50°	952.6	975.2	1003.7	1032.1	1049.7	1067.4	1066.9	1066.6	1048.7	1030.8
904.3	52.5°	925.1	945.8	972.3	998.9	1019.8	1040.6	1044.4	1048.1	1033.6	1019.0
884.9	55°	907.3	929.7	953.0	976.1	998.2	1020.4	1025.6	1030.8	1018.1	1005.4
858.8	57.5°	885.1	911.4	934.3	957.4	979.7	1001.9	1007.2	1012.5	999.6	986.8
823.5	60°	853.7	883.9	907.2	930.6	953.0	975.4	981.2	987.0	974.4	961.9
773.9	62.5°	809.1	844.3	869.2	894.2	914.7	935.2	940.7	946.3	935.0	923.6
720.8	65°	758.5	796.3	820.1	844.0	862.0	880.1	885.8	891.4	880.5	869.6
671.7	67.5°	706.5	741.4	764.0	786.5	802.1	817.7	823.3	828.8	818.8	808.8
622.7	70°	653.4	684.0	703.5	723.0	737.1	751.2	756.5	761.8	753.7	745.5
564.4	72.5°	588.6	612.6	630.2	647.9	661.7	675.5	681.8	688.2	681.4	674.6
494.2	75°	512.1	530.0	546.0	561.9	574.5	587.1	593.7	600.3	597.0	593.7
419.8	77.5°	434.4	448.9	462.6	476.3	489.5	502.7	508.9	515.1	510.5	505.7
335.1	80°	347.3	359.3	370.9	382.4	392.5	402.4	410.7	418.9	416.9	414.9
252.1	82.5°	251.1	250.0	246.0	242.0	263.3	284.7	298.7	312.7	311.9	310.9
156.7	85°	151.5	146.3	135.1	123.9	143.9	164.0	181.3	198.6	197.2	195.7
72.8	87.5°	72.6	72.4	63.8	55.3	63.6	72.1	79.1	86.1	84.4	82.5
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: P949733  
 CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1882.2	0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
1720.0	2.5°	1715.0	1708.9	1715.0	1720.0	1724.9	1730.3	1735.6	1742.5	1749.3	1757.8
1611.4	5°	1606.3	1601.3	1606.3	1611.4	1616.6	1623.3	1630.0	1639.5	1648.9	1662.5
1546.4	7.5°	1541.9	1538.4	1541.9	1546.4	1551.1	1558.7	1566.4	1577.7	1589.0	1605.0
1528.7	10°	1524.8	1523.3	1524.8	1528.7	1532.6	1539.9	1547.2	1559.9	1572.5	1591.8
1556.0	12.5°	1552.7	1552.1	1552.7	1556.0	1559.4	1567.5	1575.6	1591.9	1608.1	1632.7
1607.4	15°	1603.1	1602.7	1603.1	1607.4	1611.7	1623.0	1634.3	1659.0	1683.7	1718.7
1651.7	17.5°	1646.2	1645.3	1646.2	1651.7	1657.2	1674.1	1690.8	1727.2	1763.6	1809.9
1675.3	20°	1668.4	1666.3	1668.4	1675.3	1682.2	1703.7	1725.1	1769.7	1814.3	1867.2
1673.5	22.5°	1665.9	1662.6	1665.9	1673.5	1681.1	1703.7	1726.4	1772.4	1818.3	1868.9
1645.0	25°	1637.9	1633.8	1637.9	1645.0	1652.2	1671.8	1691.4	1732.1	1773.0	1814.4
1593.3	27.5°	1590.1	1589.0	1590.1	1593.3	1596.6	1609.8	1622.9	1654.6	1686.3	1715.8
1525.1	30°	1525.1	1526.1	1525.1	1525.1	1525.1	1531.8	1538.6	1561.4	1584.1	1606.6
1445.7	32.5°	1446.3	1447.4	1446.3	1445.7	1445.1	1449.5	1453.9	1472.0	1490.2	1510.9
1364.4	35°	1362.9	1362.2	1362.9	1364.4	1365.8	1372.4	1379.2	1395.8	1412.6	1427.3
1284.8	37.5°	1278.4	1274.8	1278.4	1284.8	1291.3	1303.4	1315.6	1331.1	1346.4	1353.2
1209.9	40°	1198.1	1191.0	1198.1	1209.9	1221.9	1239.5	1257.3	1270.4	1283.5	1281.9
1136.8	42.5°	1119.4	1108.0	1119.4	1136.8	1154.2	1176.2	1198.2	1209.2	1220.3	1212.0
1069.3	45°	1048.9	1035.7	1048.9	1069.3	1089.8	1114.9	1140.1	1150.0	1160.0	1148.0
1030.4	47.5°	1011.5	998.9	1011.5	1030.4	1049.3	1071.7	1094.1	1101.0	1108.0	1094.2
1013.3	50°	995.9	983.7	995.9	1013.3	1030.8	1048.7	1066.6	1066.9	1067.4	1049.7
1003.3	52.5°	987.7	976.5	987.7	1003.3	1019.0	1033.6	1048.1	1044.4	1040.6	1019.8
991.7	55°	977.9	967.8	977.9	991.7	1005.4	1018.1	1030.8	1025.6	1020.4	998.2
973.2	57.5°	959.5	949.1	959.5	973.2	986.8	999.6	1012.5	1007.2	1001.9	979.7
947.9	60°	933.9	923.1	933.9	947.9	961.9	974.4	987.0	981.2	975.4	953.0
908.9	62.5°	894.2	881.2	894.2	908.9	923.6	935.0	946.3	940.7	935.2	914.7
855.3	65°	841.1	829.9	841.1	855.3	869.6	880.5	891.4	885.8	880.1	862.0
795.5	67.5°	782.2	772.1	782.2	795.5	808.8	818.8	828.8	823.3	817.7	802.1
732.8	70°	720.1	708.5	720.1	732.8	745.5	753.7	761.8	756.5	751.2	737.1
662.5	72.5°	650.4	639.2	650.4	662.5	674.6	681.4	688.2	681.8	675.5	661.7
583.5	75°	573.3	562.6	573.3	583.5	593.7	597.0	600.3	593.7	587.1	574.5
495.5	77.5°	485.2	476.7	485.2	495.5	505.7	510.5	515.1	508.9	502.7	489.5
401.1	80°	387.3	371.2	387.3	401.1	414.9	416.9	418.9	410.7	402.4	392.5
299.3	82.5°	287.6	277.3	287.6	299.3	310.9	311.9	312.7	298.7	284.7	263.3
186.6	85°	177.5	168.3	177.5	186.6	195.7	197.2	198.6	181.3	164.0	143.9
77.9	87.5°	73.1	68.6	73.1	77.9	82.5	84.4	86.1	79.1	72.1	63.6
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: P949733  
 CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1882.2	0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
1766.3	2.5°	1777.2	1788.2	1799.1	1810.0	1822.4	1834.9	1848.7	1862.6	1879.7	1895.1
1676.0	5°	1693.6	1711.2	1730.5	1749.9	1771.8	1793.7	1820.0	1846.1	1876.1	1906.4
1621.1	7.5°	1642.6	1664.1	1688.5	1712.8	1741.7	1770.6	1805.4	1840.2	1879.0	1920.4
1611.0	10°	1635.2	1659.4	1685.7	1711.9	1740.8	1769.7	1806.4	1843.1	1884.7	1935.8
1657.2	12.5°	1682.2	1707.3	1727.8	1748.5	1767.5	1786.7	1816.6	1846.7	1885.5	1939.1
1753.7	15°	1775.4	1797.1	1802.5	1807.8	1805.2	1802.6	1816.9	1831.3	1862.4	1921.8
1856.2	17.5°	1873.7	1891.2	1874.6	1857.8	1826.3	1794.8	1789.6	1784.4	1803.5	1873.4
1920.1	20°	1928.3	1936.4	1901.4	1866.3	1811.6	1756.9	1732.3	1707.8	1712.8	1794.2
1919.4	22.5°	1914.6	1909.7	1864.1	1818.5	1756.0	1693.6	1657.2	1620.9	1611.0	1703.7
1855.9	25°	1839.2	1822.4	1777.6	1732.7	1676.5	1620.4	1578.5	1536.6	1509.9	1604.9
1745.3	27.5°	1726.6	1708.0	1672.0	1636.1	1590.0	1543.8	1503.4	1462.9	1430.4	1516.9
1629.1	30°	1613.9	1598.7	1568.8	1539.0	1500.7	1462.4	1430.2	1398.2	1372.7	1445.2
1531.6	32.5°	1514.7	1497.8	1469.2	1440.6	1409.9	1379.4	1360.4	1341.4	1330.0	1388.6
1442.0	35°	1421.8	1401.6	1373.2	1344.9	1321.6	1298.3	1293.0	1287.8	1292.5	1341.2
1360.0	37.5°	1335.0	1310.0	1281.7	1253.5	1236.8	1220.0	1225.8	1231.6	1248.8	1291.4
1280.2	40°	1251.4	1222.6	1195.3	1168.0	1156.0	1143.9	1157.0	1170.1	1196.4	1235.1
1203.7	42.5°	1172.6	1141.5	1115.6	1089.8	1079.9	1070.0	1087.4	1104.7	1137.9	1173.5
1136.1	45°	1103.9	1071.7	1047.1	1022.6	1014.2	1006.0	1022.8	1039.7	1071.8	1108.0
1080.5	47.5°	1048.7	1016.9	993.0	968.9	961.2	953.4	967.5	981.7	1009.4	1055.9
1032.1	50°	1003.7	975.2	952.6	929.9	917.7	905.6	918.1	930.6	962.8	1024.0
998.9	52.5°	972.3	945.8	925.1	904.3	886.1	867.8	880.1	892.6	937.5	1007.9
976.1	55°	953.0	929.7	907.3	884.9	859.1	833.1	852.7	872.3	940.0	1005.5
957.4	57.5°	934.3	911.4	885.1	858.8	830.9	803.0	831.6	860.2	942.6	1000.3
930.6	60°	907.2	883.9	853.7	823.5	799.1	774.6	811.8	848.8	934.6	972.7
894.2	62.5°	869.2	844.3	809.1	773.9	758.4	742.8	789.1	835.5	915.1	919.8
844.0	65°	820.1	796.3	758.5	720.8	714.9	708.9	758.2	807.5	868.2	867.6
786.5	67.5°	764.0	741.4	706.5	671.7	673.6	675.5	716.5	757.5	791.6	793.2
723.0	70°	703.5	684.0	653.4	622.7	629.2	635.7	664.9	694.1	705.3	705.3
647.9	72.5°	630.2	612.6	588.6	564.4	573.9	583.4	603.5	623.5	623.3	616.2
561.9	75°	546.0	530.0	512.1	494.2	503.3	512.4	527.9	543.3	546.0	513.4
476.3	77.5°	462.6	448.9	434.4	419.8	429.0	438.3	450.6	463.0	464.4	410.6
382.4	80°	370.9	359.3	347.3	335.1	342.9	350.7	361.1	371.4	371.6	307.3
242.0	82.5°	246.0	250.0	251.1	252.1	257.6	263.0	268.1	273.2	270.1	215.2
123.9	85°	135.1	146.3	151.5	156.7	162.9	169.0	174.4	179.8	175.9	135.1
55.3	87.5°	63.8	72.4	72.6	72.8	74.0	75.1	77.3	79.4	74.4	57.4
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: P949733  
 CATALOG NUMBER: GALN-SB4B-927-U-SLL

**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
1882.2	0°	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2	1882.2
1911.0	2.5°	1926.9	1943.5	1960.1	1976.5	1993.1	2008.6	2024.1
1938.6	5°	1970.7	2005.1	2039.5	2073.7	2107.9	2142.2	2176.5
1965.2	7.5°	2010.1	2061.0	2111.9	2164.2	2216.5	2273.0	2329.7
1989.0	10°	2042.0	2103.9	2165.7	2234.8	2303.9	2375.5	2447.0
1999.2	12.5°	2059.2	2132.1	2205.1	2283.4	2361.7	2440.2	2518.9
1991.3	15°	2060.8	2144.8	2228.8	2313.7	2398.6	2480.6	2562.6
1957.0	17.5°	2040.5	2138.0	2235.5	2328.2	2420.9	2504.0	2587.1
1897.8	20°	2001.4	2119.6	2237.7	2339.6	2441.4	2527.8	2614.2
1828.4	22.5°	1953.1	2096.9	2240.6	2354.9	2469.1	2557.4	2645.7
1750.9	25°	1897.0	2074.5	2252.0	2382.6	2513.1	2599.6	2686.1
1680.1	27.5°	1843.2	2059.5	2275.9	2425.9	2576.0	2658.5	2741.0
1620.8	30°	1796.4	2052.5	2308.5	2482.1	2655.6	2735.3	2815.0
1569.8	32.5°	1750.9	2043.9	2336.7	2540.6	2744.6	2823.5	2902.4
1519.6	35°	1697.9	2027.5	2357.3	2607.4	2857.4	2933.0	3008.6
1460.5	37.5°	1629.6	1999.6	2369.6	2682.1	2994.6	3091.0	3187.3
1390.0	40°	1544.9	1961.1	2377.3	2777.0	3176.7	3317.1	3457.5
1312.2	42.5°	1450.9	1921.4	2392.0	2901.2	3410.4	3613.0	3815.7
1229.6	45°	1351.2	1884.5	2417.8	3064.6	3711.3	3984.7	4258.1
1164.2	47.5°	1272.5	1854.0	2435.5	3238.6	4041.8	4426.6	4811.4
1120.8	50°	1217.6	1820.8	2423.9	3400.1	4376.3	4956.5	5536.5
1092.2	52.5°	1176.6	1764.6	2352.8	3505.0	4657.2	5513.0	6368.9
1071.5	55°	1137.4	1671.6	2205.8	3481.9	4757.9	6006.5	7255.1
1046.9	57.5°	1093.5	1540.4	1987.3	3319.2	4651.2	6356.2	8061.2
1009.4	60°	1046.0	1370.1	1694.3	3016.5	4338.8	6443.6	8548.3
944.1	62.5°	968.4	1166.3	1364.2	2607.2	3850.2	6075.6	8301.0
879.1	65°	890.6	982.9	1075.3	2189.6	3304.0	5554.9	7805.9
786.8	67.5°	780.4	806.7	832.9	1780.5	2728.1	4935.3	7142.5
675.6	70°	645.8	638.4	630.9	1401.9	2172.9	4259.2	6345.4
574.1	72.5°	531.9	509.3	486.7	1071.8	1656.9	3526.2	5395.7
466.1	75°	418.9	398.4	377.9	777.9	1177.9	2686.0	4194.2
364.7	77.5°	318.9	304.9	290.9	527.1	763.3	1880.0	2996.7
268.5	80°	229.7	223.9	218.1	339.6	461.2	1211.2	1961.3
186.6	82.5°	158.0	156.9	155.9	208.9	262.0	701.0	1140.1
114.1	85°	93.2	93.7	94.3	111.7	129.1	315.3	501.6
48.8	87.5°	40.3	40.8	41.3	46.3	51.3	103.3	155.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)