

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: P947675

Luminaire Tested: **GALN-SB2D-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947675
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-SB2D-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14106 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

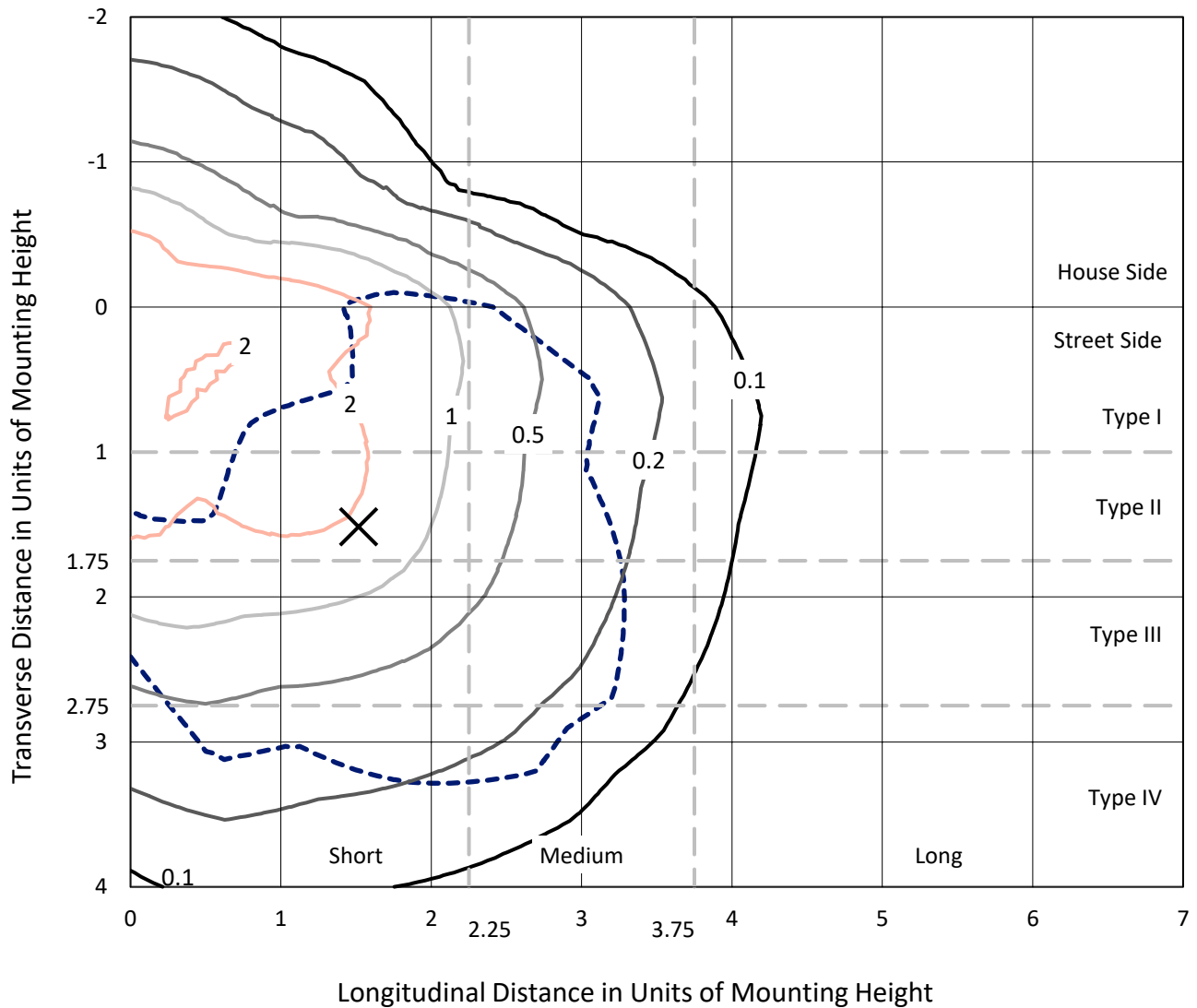
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P947675
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Iso-Footcandle Lines of Horizontal Illumination

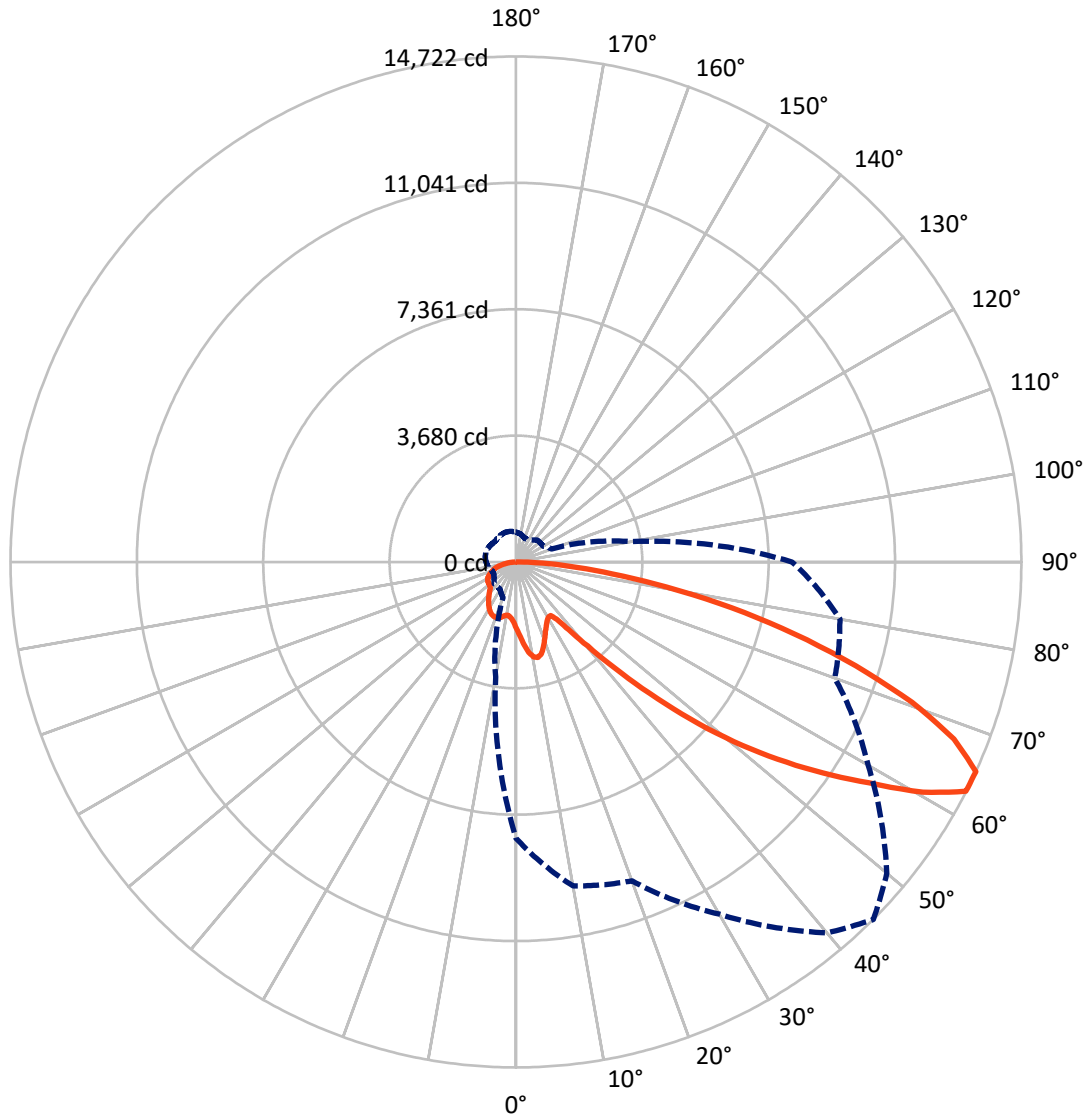
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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
House Side	Lumens	3585.0	0.0	3585.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10521.0	0.0	10521.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	14106.0	0.0	14106.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	1.4
10°-20°	604.0	4.3
20°-30°	933.0	6.6
30°-40°	1182.4	8.4
40°-50°	1783.3	12.6
50°-60°	2881.2	20.4
60°-70°	3591.9	25.5
70°-80°	2355.4	16.7
80°-90°	582.3	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°	14106.0	100.0
0°-180°	14106.0	100.0



REPORT NUMBER: P947675

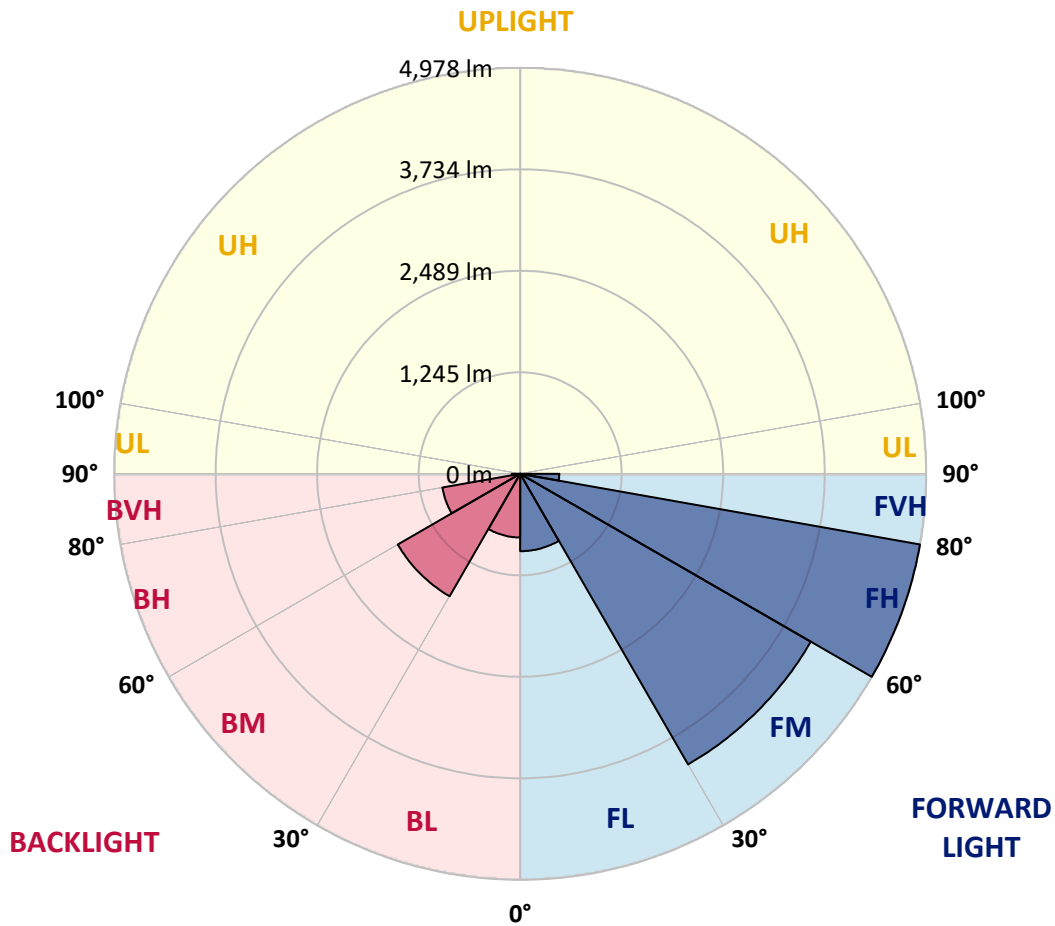
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.8	6.7			
FM (30°-60°)	4114.4	29.2			
FH (60°-80°)	4978.1	35.3			G2/5000
FVH (80°-90°)	479.7	3.4			G3/500
BL (0°-30°)	780.7	5.5	B2/1000		
BM (30°-60°)	1732.5	12.3	B2/2500		
BH (60°-80°)	969.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	102.6	0.7			G2/225
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°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2.5°	2086.0	2093.8	2101.8	2113.0	2124.3	2131.0	2137.7	2141.0	2144.4	2142.9
5°	2243.0	2270.6	2298.3	2325.7	2353.2	2368.1	2382.9	2391.9	2401.0	2407.9
7.5°	2400.8	2445.8	2490.6	2531.1	2571.5	2595.8	2620.2	2633.3	2646.4	2652.8
10°	2521.8	2574.9	2628.0	2675.5	2722.9	2751.6	2780.2	2793.0	2805.7	2810.6
12.5°	2595.8	2653.4	2711.0	2753.8	2796.6	2817.4	2838.2	2845.2	2852.2	2853.0
15°	2640.8	2690.6	2740.2	2767.1	2794.0	2794.8	2795.5	2788.1	2780.6	2771.8
17.5°	2666.2	2699.7	2733.3	2733.8	2734.3	2704.1	2674.0	2646.4	2618.7	2599.2
20°	2694.1	2705.8	2717.5	2682.2	2646.8	2580.3	2513.7	2465.3	2416.8	2387.0
22.5°	2726.4	2711.1	2695.8	2622.5	2549.3	2451.4	2353.5	2293.0	2232.4	2199.5
25°	2768.1	2719.7	2671.4	2560.2	2449.0	2330.1	2211.2	2147.5	2083.9	2052.8
27.5°	2824.7	2738.2	2651.6	2504.3	2357.1	2225.4	2093.6	2031.0	1968.4	1939.0
30°	2901.0	2772.0	2643.1	2461.8	2280.4	2143.2	2005.9	1947.8	1889.7	1862.3
32.5°	2991.0	2814.4	2637.9	2432.7	2227.6	2098.6	1969.6	1924.0	1878.3	1858.6
35°	3100.5	2884.3	2668.2	2454.5	2240.8	2151.2	2061.6	2051.0	2040.3	2038.7
37.5°	3284.7	3030.4	2776.2	2581.9	2387.6	2381.8	2376.0	2424.7	2473.4	2498.7
40°	3563.1	3286.5	3010.0	2865.6	2721.1	2823.1	2925.0	3043.4	3161.7	3220.7
42.5°	3932.2	3657.9	3383.5	3300.3	3217.1	3439.5	3661.9	3877.2	4092.4	4218.8
45°	4388.1	4141.7	3895.2	3858.5	3821.7	4178.0	4534.4	4888.1	5241.9	5456.6
47.5°	4958.3	4718.5	4478.7	4471.3	4463.8	4977.9	5491.7	6009.6	6527.3	6831.4
50°	5705.6	5409.4	5113.3	5114.6	5115.9	5778.3	6440.7	7124.3	7807.8	8221.0
52.5°	6563.4	6204.8	5846.3	5810.0	5773.7	6565.0	7356.3	8202.0	9047.6	9542.9
55°	7476.7	7122.4	6768.1	6626.8	6485.4	7366.1	8246.7	9254.9	10263.0	10852.2
57.5°	8307.3	8114.4	7921.4	7637.9	7354.5	8243.7	9132.9	10274.9	11416.7	12147.3
60°	8809.4	9109.1	9408.8	9056.7	8704.7	9546.2	10387.7	11610.3	12833.0	13622.5
62.5°	8554.5	9373.3	10192.1	10152.4	10112.7	10883.6	11654.6	12817.8	13980.9	14710.7
65°	8044.2	8812.7	9581.3	9733.3	9885.3	10865.0	11844.7	12972.7	14100.5	14721.9
67.5°	7360.6	8091.5	8822.4	8893.7	8965.0	9985.7	11006.4	12139.2	13272.0	13758.7
70°	6539.2	7334.2	8129.3	8161.2	8193.1	9105.9	10018.7	10993.5	11968.3	12238.8
72.5°	5560.4	6472.8	7385.1	7408.1	7430.9	8145.1	8859.3	9589.4	10319.4	10346.8
75°	4322.3	5266.5	6210.8	6295.5	6380.3	6935.9	7491.6	8005.5	8519.5	8381.8
77.5°	3088.2	3969.6	4851.1	4972.4	5093.8	5516.2	5938.6	6303.0	6667.6	6430.9
80°	2021.2	2762.8	3504.3	3655.1	3805.9	4124.9	4443.7	4635.2	4826.5	4445.8
82.5°	1174.9	1681.9	2188.9	2357.3	2525.8	2745.4	2965.0	3044.9	3124.7	2825.4
85°	516.9	786.0	1055.1	1198.4	1341.6	1522.1	1702.4	1747.7	1793.1	1553.4
87.5°	160.0	250.5	340.9	420.8	500.8	591.0	681.2	685.1	688.9	578.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947675
 CATALOG NUMBER: GALN-SB2D-950-U-SLL

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2144.4	2.5°	2141.0	2137.7	2131.0	2124.3	2113.0	2101.8	2093.8	2086.0	2070.0	2053.9
2401.0	5°	2391.9	2382.9	2368.1	2353.2	2325.7	2298.3	2270.6	2243.0	2207.7	2172.3
2646.4	7.5°	2633.3	2620.2	2595.8	2571.5	2531.1	2490.6	2445.8	2400.8	2342.4	2284.2
2805.7	10°	2793.0	2780.2	2751.6	2722.9	2675.5	2628.0	2574.9	2521.8	2448.0	2374.2
2852.2	12.5°	2845.2	2838.2	2817.4	2796.6	2753.8	2711.0	2653.4	2595.8	2514.8	2433.8
2780.6	15°	2788.1	2795.5	2794.8	2794.0	2767.1	2740.2	2690.6	2640.8	2556.4	2471.9
2618.7	17.5°	2646.4	2674.0	2704.1	2734.3	2733.8	2733.3	2699.7	2666.2	2580.5	2494.8
2416.8	20°	2465.3	2513.7	2580.3	2646.8	2682.2	2717.5	2705.8	2694.1	2605.0	2515.9
2232.4	22.5°	2293.0	2353.5	2451.4	2549.3	2622.5	2695.8	2711.1	2726.4	2635.5	2544.5
2083.9	25°	2147.5	2211.2	2330.1	2449.0	2560.2	2671.4	2719.7	2768.1	2679.0	2589.9
1968.4	27.5°	2031.0	2093.6	2225.4	2357.1	2504.3	2651.6	2738.2	2824.7	2739.7	2654.6
1889.7	30°	1947.8	2005.9	2143.2	2280.4	2461.8	2643.1	2772.0	2901.0	2818.8	2736.7
1878.3	32.5°	1924.0	1969.6	2098.6	2227.6	2432.7	2637.9	2814.4	2991.0	2909.7	2828.4
2040.3	35°	2051.0	2061.6	2151.2	2240.8	2454.5	2668.2	2884.3	3100.5	3022.6	2944.7
2473.4	37.5°	2424.7	2376.0	2381.8	2387.6	2581.9	2776.2	3030.4	3284.7	3185.4	3086.1
3161.7	40°	3043.4	2925.0	2823.1	2721.1	2865.6	3010.0	3286.5	3563.1	3418.4	3273.7
4092.4	42.5°	3877.2	3661.9	3439.5	3217.1	3300.3	3383.5	3657.9	3932.2	3723.4	3514.5
5241.9	45°	4888.1	4534.4	4178.0	3821.7	3858.5	3895.2	4141.7	4388.1	4106.4	3824.7
6527.3	47.5°	6009.6	5491.7	4977.9	4463.8	4471.3	4478.7	4718.5	4958.3	4561.8	4165.2
7807.8	50°	7124.3	6440.7	5778.3	5115.9	5114.6	5113.3	5409.4	5705.6	5107.8	4510.0
9047.6	52.5°	8202.0	7356.3	6565.0	5773.7	5810.0	5846.3	6204.8	6563.4	5681.4	4799.4
10263.0	55°	9254.9	8246.7	7366.1	6485.4	6626.8	6768.1	7122.4	7476.7	6189.9	4903.2
11416.7	57.5°	10274.9	9132.9	8243.7	7354.5	7637.9	7921.4	8114.4	8307.3	6550.3	4793.3
12833.0	60°	11610.3	10387.7	9546.2	8704.7	9056.7	9408.8	9109.1	8809.4	6640.4	4471.3
13980.9	62.5°	12817.8	11654.6	10883.6	10112.7	10152.4	10192.1	9373.3	8554.5	6261.1	3967.8
14100.5	65°	12972.7	11844.7	10865.0	9885.3	9733.3	9581.3	8812.7	8044.2	5724.6	3404.9
13272.0	67.5°	12139.2	11006.4	9985.7	8965.0	8893.7	8822.4	8091.5	7360.6	5086.0	2811.4
11968.3	70°	10993.5	10018.7	9105.9	8193.1	8161.2	8129.3	7334.2	6539.2	4389.3	2239.3
10319.4	72.5°	9589.4	8859.3	8145.1	7430.9	7408.1	7385.1	6472.8	5560.4	3633.9	1707.5
8519.5	75°	8005.5	7491.6	6935.9	6380.3	6295.5	6210.8	5266.5	4322.3	2768.0	1213.8
6667.6	77.5°	6303.0	5938.6	5516.2	5093.8	4972.4	4851.1	3969.6	3088.2	1937.4	786.6
4826.5	80°	4635.2	4443.7	4124.9	3805.9	3655.1	3504.3	2762.8	2021.2	1248.2	475.2
3124.7	82.5°	3044.9	2965.0	2745.4	2525.8	2357.3	2188.9	1681.9	1174.9	722.4	270.0
1793.1	85°	1747.7	1702.4	1522.1	1341.6	1198.4	1055.1	786.0	516.9	325.0	133.1
688.9	87.5°	685.1	681.2	591.0	500.8	420.8	340.9	250.5	160.0	106.4	52.8
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: P947675
 CATALOG NUMBER: GALN-SB2D-950-U-SLL

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
2036.9	2.5°	2019.9	2002.8	1985.7	1969.3	1952.9	1937.1	1919.5	1905.2	1890.9	1878.1
2137.0	5°	2101.8	2066.3	2030.9	1997.8	1964.6	1933.4	1902.5	1875.5	1848.5	1825.9
2230.3	7.5°	2176.4	2123.9	2071.4	2025.2	1979.0	1936.3	1896.4	1860.5	1824.7	1794.9
2303.0	10°	2231.8	2168.1	2104.3	2049.7	1994.9	1942.3	1899.4	1861.5	1823.7	1794.0
2353.1	12.5°	2272.4	2197.2	2122.1	2060.2	1998.3	1943.0	1903.1	1872.1	1841.3	1821.5
2384.4	15°	2296.8	2210.3	2123.7	2052.1	1980.5	1919.2	1887.2	1872.4	1857.7	1860.4
2399.3	17.5°	2303.8	2203.3	2102.9	2016.7	1930.6	1858.6	1838.8	1844.3	1849.6	1882.1
2411.0	20°	2306.1	2184.3	2062.5	1955.8	1849.0	1765.2	1759.9	1785.3	1810.6	1866.9
2426.8	22.5°	2309.0	2160.9	2012.8	1884.2	1755.7	1660.2	1670.4	1707.8	1745.3	1809.6
2455.4	25°	2320.8	2137.8	1955.0	1804.4	1653.9	1556.0	1583.5	1626.7	1669.9	1727.7
2500.0	27.5°	2345.4	2122.4	1899.5	1731.4	1563.2	1474.1	1507.6	1549.3	1591.0	1638.5
2557.9	30°	2379.0	2115.2	1851.3	1670.3	1489.4	1414.6	1440.9	1473.9	1507.1	1546.5
2618.2	32.5°	2408.0	2106.3	1804.4	1617.7	1431.0	1370.7	1382.4	1401.9	1421.5	1453.0
2687.0	35°	2429.3	2089.5	1749.7	1566.0	1382.2	1332.0	1327.1	1332.5	1337.9	1362.0
2764.0	37.5°	2442.0	2060.6	1679.3	1505.1	1330.8	1286.9	1269.2	1263.3	1257.3	1274.6
2861.8	40°	2449.9	2021.0	1592.1	1432.4	1272.8	1233.0	1205.8	1192.3	1178.9	1191.3
2989.8	42.5°	2465.0	1980.0	1495.2	1352.3	1209.4	1172.7	1138.4	1120.6	1102.7	1112.8
3158.1	45°	2491.6	1942.0	1392.5	1267.1	1141.8	1104.6	1071.4	1054.0	1036.7	1045.2
3337.5	47.5°	2509.8	1910.6	1311.3	1199.8	1088.2	1040.2	1011.7	997.1	982.5	990.5
3504.0	50°	2497.9	1876.4	1254.8	1155.0	1055.3	992.2	959.1	946.1	933.2	945.7
3612.0	52.5°	2424.6	1818.5	1212.5	1125.6	1038.7	966.1	919.8	907.0	894.3	913.1
3588.2	55°	2273.2	1722.7	1172.2	1104.2	1036.2	968.7	899.0	878.7	858.6	885.3
3420.6	57.5°	2048.0	1587.5	1126.9	1078.9	1030.9	971.3	886.5	857.0	827.5	856.3
3108.7	60°	1746.0	1412.0	1077.9	1040.2	1002.4	963.1	874.7	836.5	798.3	823.5
2686.8	62.5°	1405.9	1201.9	998.0	972.9	947.9	943.1	861.0	813.2	765.5	781.5
2256.5	65°	1108.1	1012.9	917.7	905.9	894.1	894.7	832.1	781.4	730.5	736.7
1834.9	67.5°	858.3	831.3	804.2	810.9	817.4	815.8	780.6	738.4	696.1	694.2
1444.7	70°	650.2	657.9	665.6	696.2	726.8	726.8	715.3	685.2	655.1	648.5
1104.5	72.5°	501.5	524.8	548.2	591.7	635.1	642.3	642.5	621.9	601.3	591.4
801.6	75°	389.4	410.6	431.7	480.4	529.1	562.7	559.9	544.0	528.1	518.7
543.2	77.5°	299.8	314.2	328.6	375.9	423.1	478.6	477.1	464.4	451.7	442.1
350.0	80°	224.8	230.7	236.7	276.7	316.7	383.0	382.7	372.1	361.4	353.4
215.3	82.5°	160.6	161.7	162.9	192.3	221.8	278.4	281.5	276.3	271.1	265.4
115.1	85°	97.1	96.6	96.0	117.6	139.2	181.2	185.3	179.8	174.2	167.8
47.7	87.5°	42.6	42.1	41.5	50.3	59.2	76.7	81.9	79.6	77.4	76.2
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: P947675
 CATALOG NUMBER: GALN-SB2D-950-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1865.3	2.5°	1854.0	1842.8	1831.5	1820.2	1811.5	1802.7	1795.7	1788.6	1783.1	1777.6
1803.3	5°	1783.4	1763.4	1745.4	1727.2	1713.3	1699.3	1689.5	1679.8	1672.9	1665.9
1765.2	7.5°	1740.1	1714.9	1692.7	1670.6	1654.0	1637.5	1625.9	1614.3	1606.3	1598.4
1764.2	10°	1737.2	1710.1	1685.1	1660.2	1640.4	1620.5	1607.6	1594.5	1587.0	1579.4
1801.8	12.5°	1780.6	1759.4	1733.6	1707.8	1682.5	1657.2	1640.5	1623.7	1615.3	1607.0
1863.0	15°	1857.5	1852.0	1829.6	1807.2	1771.2	1735.2	1709.7	1684.2	1672.6	1660.9
1914.5	17.5°	1931.8	1949.0	1930.9	1912.9	1865.2	1817.5	1780.0	1742.5	1725.2	1707.8
1923.3	20°	1959.4	1995.5	1987.2	1978.8	1924.2	1869.7	1823.7	1777.8	1755.7	1733.5
1874.0	22.5°	1921.0	1968.0	1973.0	1978.0	1925.9	1873.8	1826.5	1779.1	1755.8	1732.4
1785.6	25°	1831.8	1878.1	1895.3	1912.5	1869.8	1827.2	1785.0	1743.0	1722.8	1702.6
1686.0	27.5°	1723.1	1760.2	1779.4	1798.6	1768.2	1737.8	1705.2	1672.5	1658.9	1645.3
1586.0	30°	1616.7	1647.6	1663.2	1678.8	1655.7	1632.4	1609.1	1585.5	1578.6	1571.6
1484.5	32.5°	1514.0	1543.6	1560.9	1578.3	1557.0	1535.7	1517.0	1498.3	1493.8	1489.2
1385.9	35°	1415.1	1444.4	1465.2	1486.0	1470.8	1455.7	1438.5	1421.3	1414.4	1407.5
1291.8	37.5°	1320.9	1350.0	1375.8	1401.6	1394.6	1387.6	1371.7	1355.8	1343.2	1330.7
1203.7	40°	1231.8	1260.0	1289.6	1319.3	1321.0	1322.7	1309.2	1295.7	1277.4	1259.2
1123.0	42.5°	1149.7	1176.4	1208.4	1240.4	1249.0	1257.5	1246.1	1234.8	1212.1	1189.4
1053.8	45°	1079.1	1104.4	1137.6	1170.8	1183.1	1195.4	1185.1	1174.9	1148.9	1123.0
998.5	47.5°	1023.3	1048.0	1080.8	1113.5	1127.6	1141.8	1134.6	1127.5	1104.4	1081.3
958.3	50°	981.7	1005.0	1034.3	1063.6	1081.8	1100.0	1099.5	1099.2	1080.8	1062.3
931.9	52.5°	953.3	974.7	1002.0	1029.4	1050.9	1072.4	1076.3	1080.2	1065.1	1050.1
911.9	55°	935.0	958.1	982.1	1005.9	1028.7	1051.6	1056.9	1062.3	1049.2	1036.1
885.0	57.5°	912.1	939.2	962.9	986.6	1009.6	1032.5	1038.0	1043.4	1030.1	1016.9
848.7	60°	879.8	910.9	934.9	959.1	982.1	1005.2	1011.2	1017.1	1004.2	991.3
797.5	62.5°	833.8	870.1	895.8	921.5	942.6	963.7	969.5	975.2	963.5	951.8
742.8	65°	781.7	820.6	845.2	869.7	888.3	907.0	912.8	918.6	907.4	896.2
692.2	67.5°	728.1	764.0	787.3	810.6	826.6	842.7	848.4	854.1	843.8	833.5
641.8	70°	673.3	704.9	725.0	745.1	759.6	774.1	779.6	785.1	776.7	768.3
581.7	72.5°	606.5	631.3	649.5	667.7	681.9	696.1	702.6	709.2	702.2	695.2
509.3	75°	527.7	546.2	562.6	579.1	592.0	605.0	611.8	618.7	615.3	611.8
432.6	77.5°	447.6	462.6	476.7	490.9	504.5	518.0	524.4	530.8	526.1	521.2
345.4	80°	357.9	370.3	382.2	394.1	404.5	414.7	423.2	431.7	429.6	427.6
259.8	82.5°	258.7	257.7	253.5	249.3	271.4	293.4	307.9	322.3	321.4	320.4
161.5	85°	156.2	150.7	139.2	127.7	148.3	169.0	186.8	204.7	203.2	201.7
75.0	87.5°	74.8	74.6	65.8	56.9	65.6	74.3	81.5	88.7	86.9	85.0
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: P947675
 CATALOG NUMBER: GALN-SB2D-950-U-SLL

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1772.5	2.5°	1767.4	1761.1	1767.4	1772.5	1777.6	1783.1	1788.6	1795.7	1802.7	1811.5
1660.7	5°	1655.4	1650.2	1655.4	1660.7	1665.9	1672.9	1679.8	1689.5	1699.3	1713.3
1593.7	7.5°	1589.0	1585.4	1589.0	1593.7	1598.4	1606.3	1614.3	1625.9	1637.5	1654.0
1575.4	10°	1571.4	1569.8	1571.4	1575.4	1579.4	1587.0	1594.5	1607.6	1620.5	1640.4
1603.6	12.5°	1600.1	1599.5	1600.1	1603.6	1607.0	1615.3	1623.7	1640.5	1657.2	1682.5
1656.5	15°	1652.0	1651.6	1652.0	1656.5	1660.9	1672.6	1684.2	1709.7	1735.2	1771.2
1702.2	17.5°	1696.5	1695.6	1696.5	1702.2	1707.8	1725.2	1742.5	1780.0	1817.5	1865.2
1726.4	20°	1719.4	1717.1	1719.4	1726.4	1733.5	1755.7	1777.8	1823.7	1869.7	1924.2
1724.6	22.5°	1716.8	1713.4	1716.8	1724.6	1732.4	1755.8	1779.1	1826.5	1873.8	1925.9
1695.3	25°	1688.0	1683.7	1688.0	1695.3	1702.6	1722.8	1743.0	1785.0	1827.2	1869.8
1642.0	27.5°	1638.6	1637.5	1638.6	1642.0	1645.3	1658.9	1672.5	1705.2	1737.8	1768.2
1571.6	30°	1571.6	1572.7	1571.6	1571.6	1571.6	1578.6	1585.5	1609.1	1632.4	1655.7
1489.8	32.5°	1490.5	1491.6	1490.5	1489.8	1489.2	1493.8	1498.3	1517.0	1535.7	1557.0
1406.0	35°	1404.5	1403.8	1404.5	1406.0	1407.5	1414.4	1421.3	1438.5	1455.7	1470.8
1324.1	37.5°	1317.4	1313.7	1317.4	1324.1	1330.7	1343.2	1355.8	1371.7	1387.6	1394.6
1246.9	40°	1234.7	1227.4	1234.7	1246.9	1259.2	1277.4	1295.7	1309.2	1322.7	1321.0
1171.5	42.5°	1153.5	1141.8	1153.5	1171.5	1189.4	1212.1	1234.8	1246.1	1257.5	1249.0
1102.0	45°	1080.9	1067.4	1080.9	1102.0	1123.0	1148.9	1174.9	1185.1	1195.4	1183.1
1061.8	47.5°	1042.4	1029.4	1042.4	1061.8	1081.3	1104.4	1127.5	1134.6	1141.8	1127.6
1044.3	50°	1026.3	1013.8	1026.3	1044.3	1062.3	1080.8	1099.2	1099.5	1100.0	1081.8
1033.9	52.5°	1017.9	1006.3	1017.9	1033.9	1050.1	1065.1	1080.2	1076.3	1072.4	1050.9
1022.0	55°	1007.8	997.4	1007.8	1022.0	1036.1	1049.2	1062.3	1056.9	1051.6	1028.7
1002.9	57.5°	988.8	978.0	988.8	1002.9	1016.9	1030.1	1043.4	1038.0	1032.5	1009.6
976.8	60°	962.4	951.2	962.4	976.8	991.3	1004.2	1017.1	1011.2	1005.2	982.1
936.7	62.5°	921.5	908.1	921.5	936.7	951.8	963.5	975.2	969.5	963.7	942.6
881.4	65°	866.8	855.2	866.8	881.4	896.2	907.4	918.6	912.8	907.0	888.3
819.8	67.5°	806.1	795.7	806.1	819.8	833.5	843.8	854.1	848.4	842.7	826.6
755.2	70°	742.1	730.2	742.1	755.2	768.3	776.7	785.1	779.6	774.1	759.6
682.7	72.5°	670.3	658.7	670.3	682.7	695.2	702.2	709.2	702.6	696.1	681.9
601.3	75°	590.8	579.8	590.8	601.3	611.8	615.3	618.7	611.8	605.0	592.0
510.6	77.5°	500.0	491.3	500.0	510.6	521.2	526.1	530.8	524.4	518.0	504.5
413.4	80°	399.1	382.6	399.1	413.4	427.6	429.6	431.7	423.2	414.7	404.5
308.4	82.5°	296.4	285.8	296.4	308.4	320.4	321.4	322.3	307.9	293.4	271.4
192.3	85°	183.0	173.4	183.0	192.3	201.7	203.2	204.7	186.8	169.0	148.3
80.2	87.5°	75.3	70.7	75.3	80.2	85.0	86.9	88.7	81.5	74.3	65.6
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: P947675
 CATALOG NUMBER: GALN-SB2D-950-U-SLL

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1820.2	2.5°	1831.5	1842.8	1854.0	1865.3	1878.1	1890.9	1905.2	1919.5	1937.1	1952.9
1727.2	5°	1745.4	1763.4	1783.4	1803.3	1825.9	1848.5	1875.5	1902.5	1933.4	1964.6
1670.6	7.5°	1692.7	1714.9	1740.1	1765.2	1794.9	1824.7	1860.5	1896.4	1936.3	1979.0
1660.2	10°	1685.1	1710.1	1737.2	1764.2	1794.0	1823.7	1861.5	1899.4	1942.3	1994.9
1707.8	12.5°	1733.6	1759.4	1780.6	1801.8	1821.5	1841.3	1872.1	1903.1	1943.0	1998.3
1807.2	15°	1829.6	1852.0	1857.5	1863.0	1860.4	1857.7	1872.4	1887.2	1919.2	1980.5
1912.9	17.5°	1930.9	1949.0	1931.8	1914.5	1882.1	1849.6	1844.3	1838.8	1858.6	1930.6
1978.8	20°	1987.2	1995.5	1959.4	1923.3	1866.9	1810.6	1785.3	1759.9	1765.2	1849.0
1978.0	22.5°	1973.0	1968.0	1921.0	1874.0	1809.6	1745.3	1707.8	1670.4	1660.2	1755.7
1912.5	25°	1895.3	1878.1	1831.8	1785.6	1727.7	1669.9	1626.7	1583.5	1556.0	1653.9
1798.6	27.5°	1779.4	1760.2	1723.1	1686.0	1638.5	1591.0	1549.3	1507.6	1474.1	1563.2
1678.8	30°	1663.2	1647.6	1616.7	1586.0	1546.5	1507.1	1473.9	1440.9	1414.6	1489.4
1578.3	32.5°	1560.9	1543.6	1514.0	1484.5	1453.0	1421.5	1401.9	1382.4	1370.7	1431.0
1486.0	35°	1465.2	1444.4	1415.1	1385.9	1362.0	1337.9	1332.5	1327.1	1332.0	1382.2
1401.6	37.5°	1375.8	1350.0	1320.9	1291.8	1274.6	1257.3	1263.3	1269.2	1286.9	1330.8
1319.3	40°	1289.6	1260.0	1231.8	1203.7	1191.3	1178.9	1192.3	1205.8	1233.0	1272.8
1240.4	42.5°	1208.4	1176.4	1149.7	1123.0	1112.8	1102.7	1120.6	1138.4	1172.7	1209.4
1170.8	45°	1137.6	1104.4	1079.1	1053.8	1045.2	1036.7	1054.0	1071.4	1104.6	1141.8
1113.5	47.5°	1080.8	1048.0	1023.3	998.5	990.5	982.5	997.1	1011.7	1040.2	1088.2
1063.6	50°	1034.3	1005.0	981.7	958.3	945.7	933.2	946.1	959.1	992.2	1055.3
1029.4	52.5°	1002.0	974.7	953.3	931.9	913.1	894.3	907.0	919.8	966.1	1038.7
1005.9	55°	982.1	958.1	935.0	911.9	885.3	858.6	878.7	899.0	968.7	1036.2
986.6	57.5°	962.9	939.2	912.1	885.0	856.3	827.5	857.0	886.5	971.3	1030.9
959.1	60°	934.9	910.9	879.8	848.7	823.5	798.3	836.5	874.7	963.1	1002.4
921.5	62.5°	895.8	870.1	833.8	797.5	781.5	765.5	813.2	861.0	943.1	947.9
869.7	65°	845.2	820.6	781.7	742.8	736.7	730.5	781.4	832.1	894.7	894.1
810.6	67.5°	787.3	764.0	728.1	692.2	694.2	696.1	738.4	780.6	815.8	817.4
745.1	70°	725.0	704.9	673.3	641.8	648.5	655.1	685.2	715.3	726.8	726.8
667.7	72.5°	649.5	631.3	606.5	581.7	591.4	601.3	621.9	642.5	642.3	635.1
579.1	75°	562.6	546.2	527.7	509.3	518.7	528.1	544.0	559.9	562.7	529.1
490.9	77.5°	476.7	462.6	447.6	432.6	442.1	451.7	464.4	477.1	478.6	423.1
394.1	80°	382.2	370.3	357.9	345.4	353.4	361.4	372.1	382.7	383.0	316.7
249.3	82.5°	253.5	257.7	258.7	259.8	265.4	271.1	276.3	281.5	278.4	221.8
127.7	85°	139.2	150.7	156.2	161.5	167.8	174.2	179.8	185.3	181.2	139.2
56.9	87.5°	65.8	74.6	74.8	75.0	76.2	77.4	79.6	81.9	76.7	59.2
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: P947675
 CATALOG NUMBER: GALN-SB2D-950-U-SLL

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
1939.7	0°	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7	1939.7
1969.3	2.5°	1985.7	2002.8	2019.9	2036.9	2053.9	2070.0	2086.0
1997.8	5°	2030.9	2066.3	2101.8	2137.0	2172.3	2207.7	2243.0
2025.2	7.5°	2071.4	2123.9	2176.4	2230.3	2284.2	2342.4	2400.8
2049.7	10°	2104.3	2168.1	2231.8	2303.0	2374.2	2448.0	2521.8
2060.2	12.5°	2122.1	2197.2	2272.4	2353.1	2433.8	2514.8	2595.8
2052.1	15°	2123.7	2210.3	2296.8	2384.4	2471.9	2556.4	2640.8
2016.7	17.5°	2102.9	2203.3	2303.8	2399.3	2494.8	2580.5	2666.2
1955.8	20°	2062.5	2184.3	2306.1	2411.0	2515.9	2605.0	2694.1
1884.2	22.5°	2012.8	2160.9	2309.0	2426.8	2544.5	2635.5	2726.4
1804.4	25°	1955.0	2137.8	2320.8	2455.4	2589.9	2679.0	2768.1
1731.4	27.5°	1899.5	2122.4	2345.4	2500.0	2654.6	2739.7	2824.7
1670.3	30°	1851.3	2115.2	2379.0	2557.9	2736.7	2818.8	2901.0
1617.7	32.5°	1804.4	2106.3	2408.0	2618.2	2828.4	2909.7	2991.0
1566.0	35°	1749.7	2089.5	2429.3	2687.0	2944.7	3022.6	3100.5
1505.1	37.5°	1679.3	2060.6	2442.0	2764.0	3086.1	3185.4	3284.7
1432.4	40°	1592.1	2021.0	2449.9	2861.8	3273.7	3418.4	3563.1
1352.3	42.5°	1495.2	1980.0	2465.0	2989.8	3514.5	3723.4	3932.2
1267.1	45°	1392.5	1942.0	2491.6	3158.1	3824.7	4106.4	4388.1
1199.8	47.5°	1311.3	1910.6	2509.8	3337.5	4165.2	4561.8	4958.3
1155.0	50°	1254.8	1876.4	2497.9	3504.0	4510.0	5107.8	5705.6
1125.6	52.5°	1212.5	1818.5	2424.6	3612.0	4799.4	5681.4	6563.4
1104.2	55°	1172.2	1722.7	2273.2	3588.2	4903.2	6189.9	7476.7
1078.9	57.5°	1126.9	1587.5	2048.0	3420.6	4793.3	6550.3	8307.3
1040.2	60°	1077.9	1412.0	1746.0	3108.7	4471.3	6640.4	8809.4
972.9	62.5°	998.0	1201.9	1405.9	2686.8	3967.8	6261.1	8554.5
905.9	65°	917.7	1012.9	1108.1	2256.5	3404.9	5724.6	8044.2
810.9	67.5°	804.2	831.3	858.3	1834.9	2811.4	5086.0	7360.6
696.2	70°	665.6	657.9	650.2	1444.7	2239.3	4389.3	6539.2
591.7	72.5°	548.2	524.8	501.5	1104.5	1707.5	3633.9	5560.4
480.4	75°	431.7	410.6	389.4	801.6	1213.8	2768.0	4322.3
375.9	77.5°	328.6	314.2	299.8	543.2	786.6	1937.4	3088.2
276.7	80°	236.7	230.7	224.8	350.0	475.2	1248.2	2021.2
192.3	82.5°	162.9	161.7	160.6	215.3	270.0	722.4	1174.9
117.6	85°	96.0	96.6	97.1	115.1	133.1	325.0	516.9
50.3	87.5°	41.5	42.1	42.6	47.7	52.8	106.4	160.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)