

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: P947486

Luminaire Tested: **GALN-SB2D-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947486
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-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17633 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

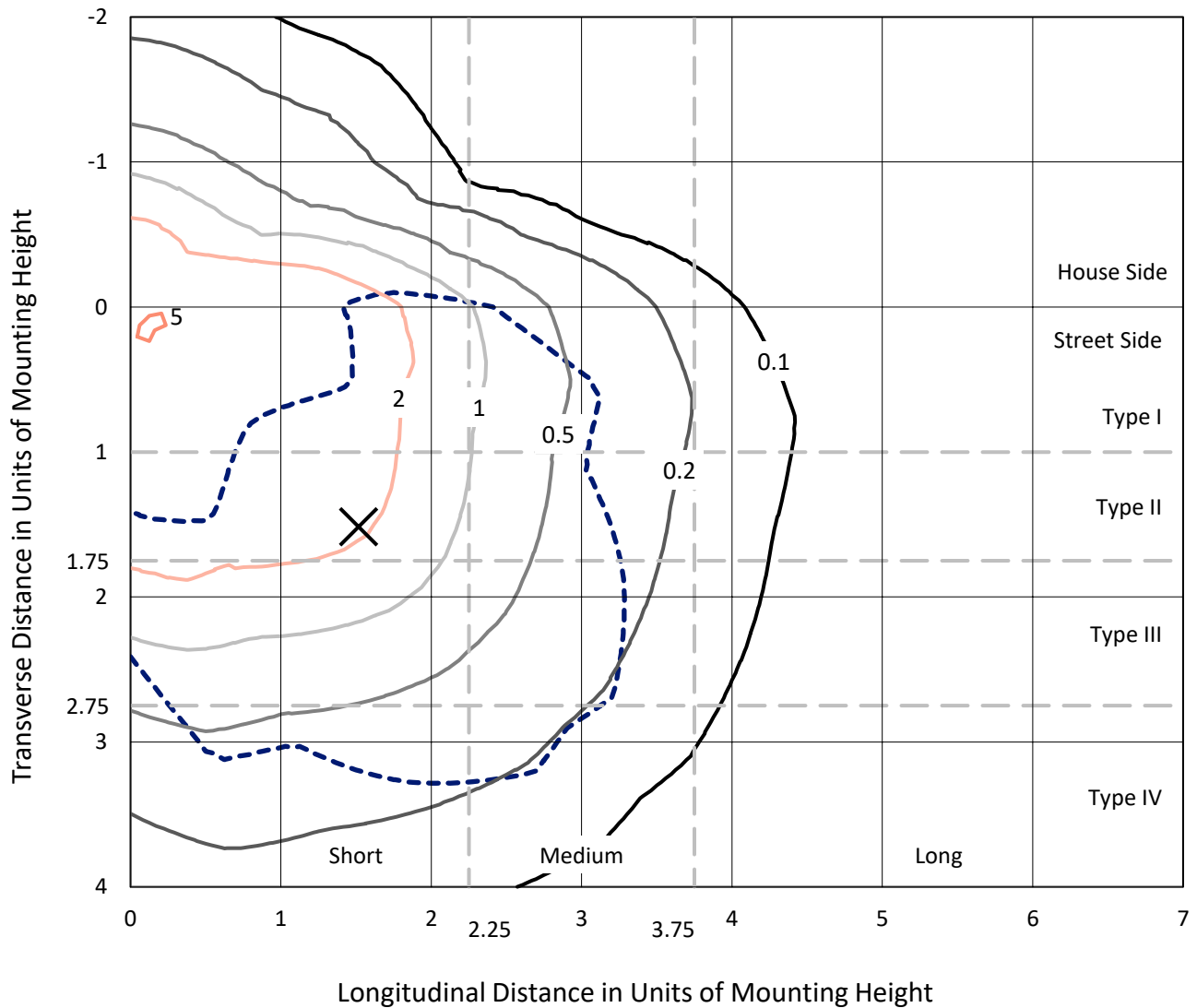
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

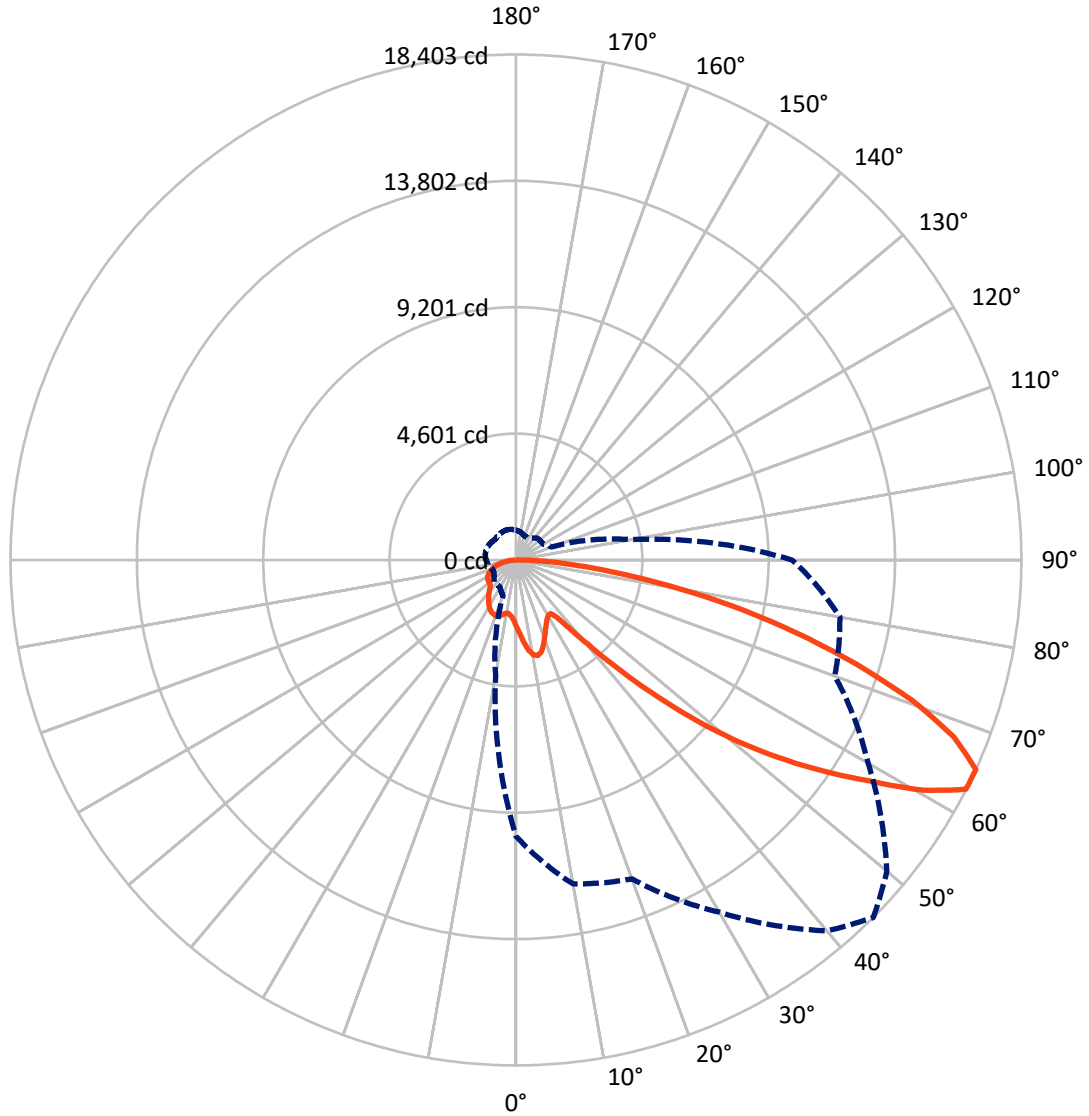
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P947486
CATALOG NUMBER: GALN-SB2D-827-U-SLL

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	4481.4	0.0	4481.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13151.6	0.0	13151.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	17633.0	0.0	17633.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.5	1.4
10°-20°	755.1	4.3
20°-30°	1166.3	6.6
30°-40°	1478.0	8.4
40°-50°	2229.2	12.6
50°-60°	3601.6	20.4
60°-70°	4490.0	25.5
70°-80°	2944.3	16.7
80°-90°	727.9	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°	17633.0	100.0
0°-180°	17633.0	100.0

Coefficient of Utilization



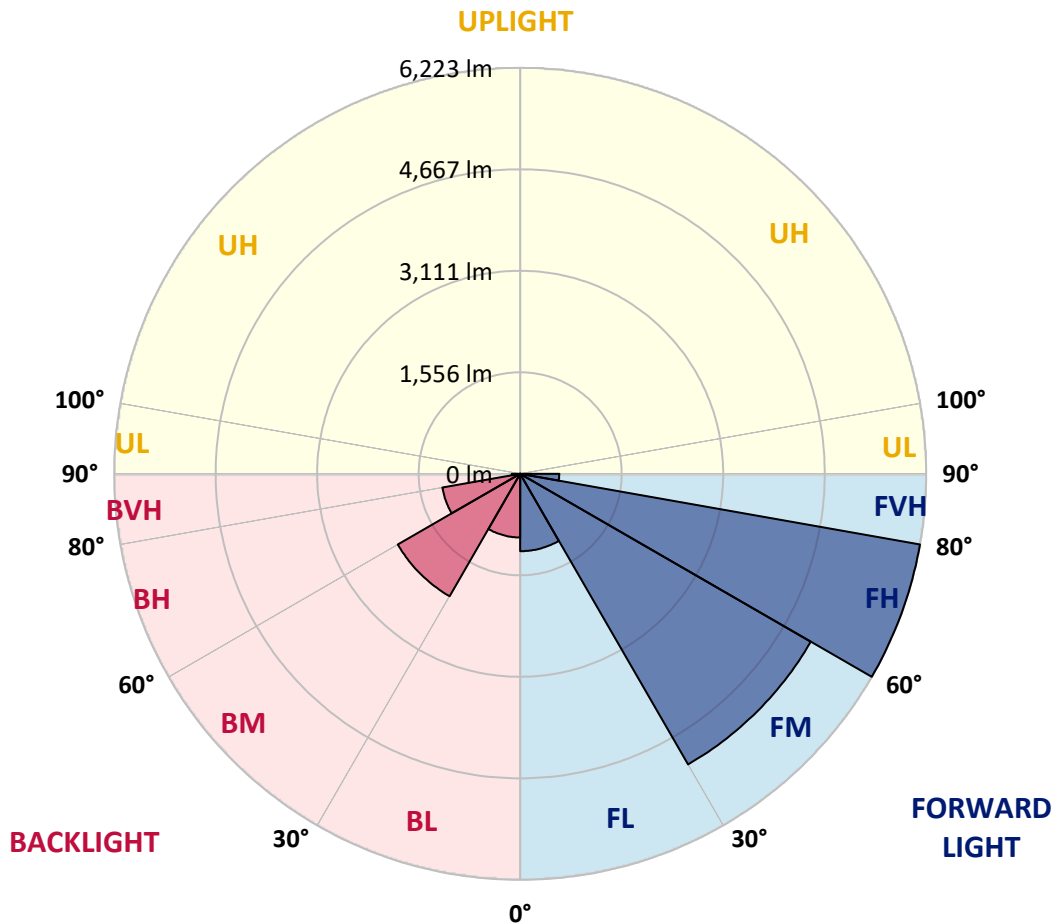
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 CATALOG NUMBER: GALN-SB2D-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.0	6.7			
FM (30°-60°)	5143.2	29.2			
FH (60°-80°)	6222.8	35.3			G3/7500
FVH (80°-90°)	599.6	3.4			G4/750
BL (0°-30°)	975.9	5.5	B2/1000		
BM (30°-60°)	2165.7	12.3	B2/2500		
BH (60°-80°)	1211.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	128.3	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-G4

Type IV Short



REPORT NUMBER: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2.5°	2607.5	2617.4	2627.3	2641.4	2655.4	2663.8	2672.2	2676.4	2680.6	2678.7
5°	2803.8	2838.4	2873.0	2907.2	2941.5	2960.1	2978.8	2990.0	3001.4	3009.9
7.5°	3001.1	3057.3	3113.4	3163.9	3214.4	3244.9	3275.3	3291.8	3308.1	3316.0
10°	3152.3	3218.7	3285.1	3344.4	3403.7	3439.6	3475.3	3491.3	3507.2	3513.3
12.5°	3244.9	3316.9	3388.8	3442.4	3495.8	3521.8	3547.9	3556.6	3565.4	3566.3
15°	3301.2	3363.3	3425.4	3459.0	3492.6	3493.6	3494.5	3485.2	3475.9	3464.9
17.5°	3332.8	3374.7	3416.7	3417.4	3417.9	3380.2	3342.6	3308.0	3273.4	3249.0
20°	3367.7	3382.3	3397.0	3352.8	3308.6	3225.4	3142.2	3081.7	3021.1	2983.9
22.5°	3408.1	3389.0	3369.8	3278.3	3186.7	3064.4	2942.0	2866.3	2790.5	2749.4
25°	3460.3	3399.8	3339.3	3200.3	3061.3	2912.7	2764.1	2684.5	2605.0	2566.1
27.5°	3531.0	3422.9	3314.6	3130.5	2946.5	2781.8	2617.1	2538.8	2460.5	2423.8
30°	3626.3	3465.1	3303.9	3077.3	2850.6	2679.1	2507.5	2434.8	2362.2	2327.9
32.5°	3738.9	3518.1	3297.4	3041.0	2784.6	2623.3	2462.1	2405.1	2347.9	2323.3
35°	3875.7	3605.5	3335.4	3068.2	2801.0	2689.0	2577.1	2563.8	2550.5	2548.4
37.5°	4106.0	3788.1	3470.3	3227.5	2984.6	2977.4	2970.1	3031.0	3091.8	3123.4
40°	4453.9	4108.3	3762.6	3582.0	3401.5	3528.9	3656.4	3804.3	3952.3	4026.0
42.5°	4915.4	4572.5	4229.5	4125.5	4021.5	4299.5	4577.5	4846.6	5115.7	5273.7
45°	5485.3	5177.3	4869.1	4823.2	4777.3	5222.7	5668.2	6110.3	6552.5	6821.0
47.5°	6198.0	5898.3	5598.6	5589.3	5579.9	6222.5	6864.9	7512.2	8159.4	8539.4
50°	7132.2	6762.0	6391.8	6393.4	6395.0	7223.1	8051.2	8905.6	9760.0	10276.6
52.5°	8204.5	7756.2	7308.0	7262.7	7217.3	8206.4	9195.6	10252.7	11309.8	11929.0
55°	9346.1	8903.2	8460.4	8283.7	8107.0	9207.9	10308.7	11568.9	12829.2	13565.6
57.5°	10384.5	10143.3	9902.1	9547.7	9193.4	10304.9	11416.5	12844.0	14271.3	15184.5
60°	11012.1	11386.6	11761.3	11321.2	10881.1	11933.1	12985.0	14513.3	16041.7	17028.7
62.5°	10693.4	11716.9	12740.5	12690.9	12641.2	13604.9	14568.6	16022.7	17476.7	18388.9
65°	10055.6	11016.2	11976.9	12167.0	12357.0	13581.6	14806.3	16216.3	17626.2	18402.9
67.5°	9201.0	10114.7	11028.3	11117.5	11206.5	12482.5	13758.4	15174.4	16590.4	17198.9
70°	8174.3	9168.0	10161.9	10201.7	10241.7	11382.7	12523.7	13742.3	14960.8	15299.0
72.5°	6950.7	8091.2	9231.7	9260.3	9288.9	10181.6	11074.4	11987.0	12899.6	12933.8
75°	5403.0	6583.3	7763.7	7869.6	7975.6	8670.2	9364.7	10007.2	10649.7	10477.5
77.5°	3860.3	4962.1	6064.0	6215.7	6367.4	6895.4	7423.4	7879.0	8334.8	8038.9
80°	2526.6	3453.6	4380.4	4568.9	4757.5	5156.2	5554.8	5794.1	6033.3	5557.4
82.5°	1468.7	2102.4	2736.2	2946.8	3157.4	3431.9	3706.4	3806.2	3905.9	3531.9
85°	646.2	982.5	1318.9	1498.0	1677.1	1902.6	2128.1	2184.7	2241.4	1941.8
87.5°	200.0	313.1	426.1	526.1	626.0	738.8	851.5	856.4	861.1	722.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2424.7	0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2680.6	2.5°	2676.4	2672.2	2663.8	2655.4	2641.4	2627.3	2617.4	2607.5	2587.5	2567.5
3001.4	5°	2990.0	2978.8	2960.1	2941.5	2907.2	2873.0	2838.4	2803.8	2759.6	2715.4
3308.1	7.5°	3291.8	3275.3	3244.9	3214.4	3163.9	3113.4	3057.3	3001.1	2928.1	2855.3
3507.2	10°	3491.3	3475.3	3439.6	3403.7	3344.4	3285.1	3218.7	3152.3	3060.1	2967.9
3565.4	12.5°	3556.6	3547.9	3521.8	3495.8	3442.4	3388.8	3316.9	3244.9	3143.5	3042.3
3475.9	15°	3485.2	3494.5	3493.6	3492.6	3459.0	3425.4	3363.3	3301.2	3195.5	3089.9
3273.4	17.5°	3308.0	3342.6	3380.2	3417.9	3417.4	3416.7	3374.7	3332.8	3225.7	3118.6
3021.1	20°	3081.7	3142.2	3225.4	3308.6	3352.8	3397.0	3382.3	3367.7	3256.4	3145.0
2790.5	22.5°	2866.3	2942.0	3064.4	3186.7	3278.3	3369.8	3389.0	3408.1	3294.5	3180.7
2605.0	25°	2684.5	2764.1	2912.7	3061.3	3200.3	3339.3	3399.8	3460.3	3348.8	3237.4
2460.5	27.5°	2538.8	2617.1	2781.8	2946.5	3130.5	3314.6	3422.9	3531.0	3424.7	3318.4
2362.2	30°	2434.8	2507.5	2679.1	2850.6	3077.3	3303.9	3465.1	3626.3	3523.6	3421.0
2347.9	32.5°	2405.1	2462.1	2623.3	2784.6	3041.0	3297.4	3518.1	3738.9	3637.2	3535.6
2550.5	35°	2563.8	2577.1	2689.0	2801.0	3068.2	3335.4	3605.5	3875.7	3778.4	3681.0
3091.8	37.5°	3031.0	2970.1	2977.4	2984.6	3227.5	3470.3	3788.1	4106.0	3981.8	3857.7
3952.3	40°	3804.3	3656.4	3528.9	3401.5	3582.0	3762.6	4108.3	4453.9	4273.1	4092.2
5115.7	42.5°	4846.6	4577.5	4299.5	4021.5	4125.5	4229.5	4572.5	4915.4	4654.4	4393.3
6552.5	45°	6110.3	5668.2	5222.7	4777.3	4823.2	4869.1	5177.3	5485.3	5133.2	4781.0
8159.4	47.5°	7512.2	6864.9	6222.5	5579.9	5589.3	5598.6	5898.3	6198.0	5702.4	5206.7
9760.0	50°	8905.6	8051.2	7223.1	6395.0	6393.4	6391.8	6762.0	7132.2	6385.0	5637.6
11309.8	52.5°	10252.7	9195.6	8206.4	7217.3	7262.7	7308.0	7756.2	8204.5	7101.9	5999.4
12829.2	55°	11568.9	10308.7	9207.9	8107.0	8283.7	8460.4	8903.2	9346.1	7737.6	6129.2
14271.3	57.5°	12844.0	11416.5	10304.9	9193.4	9547.7	9902.1	10143.3	10384.5	8188.1	5991.8
16041.7	60°	14513.3	12985.0	11933.1	10881.1	11321.2	11761.3	11386.6	11012.1	8300.7	5589.3
17476.7	62.5°	16022.7	14568.6	13604.9	12641.2	12690.9	12740.5	11716.9	10693.4	7826.6	4959.9
17626.2	65°	16216.3	14806.3	13581.6	12357.0	12167.0	11976.9	11016.2	10055.6	7155.9	4256.2
16590.4	67.5°	15174.4	13758.4	12482.5	11206.5	11117.5	11028.3	10114.7	9201.0	6357.7	3514.4
14960.8	70°	13742.3	12523.7	11382.7	10241.7	10201.7	10161.9	9168.0	8174.3	5486.7	2799.2
12899.6	72.5°	11987.0	11074.4	10181.6	9288.9	9260.3	9231.7	8091.2	6950.7	4542.5	2134.4
10649.7	75°	10007.2	9364.7	8670.2	7975.6	7869.6	7763.7	6583.3	5403.0	3460.2	1517.3
8334.8	77.5°	7879.0	7423.4	6895.4	6367.4	6215.7	6064.0	4962.1	3860.3	2421.8	983.3
6033.3	80°	5794.1	5554.8	5156.2	4757.5	4568.9	4380.4	3453.6	2526.6	1560.3	594.1
3905.9	82.5°	3806.2	3706.4	3431.9	3157.4	2946.8	2736.2	2102.4	1468.7	903.1	337.6
2241.4	85°	2184.7	2128.1	1902.6	1677.1	1498.0	1318.9	982.5	646.2	406.2	166.4
861.1	87.5°	856.4	851.5	738.8	626.0	526.1	426.1	313.1	200.0	133.1	66.1
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: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2424.7	0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2546.2	2.5°	2525.0	2503.6	2482.2	2461.7	2441.3	2421.4	2399.4	2381.5	2363.7	2347.7
2671.3	5°	2627.3	2583.0	2538.7	2497.3	2455.9	2416.8	2378.2	2344.5	2310.7	2282.4
2787.9	7.5°	2720.6	2655.0	2589.4	2531.6	2473.8	2420.5	2370.5	2325.7	2280.9	2243.7
2878.8	10°	2789.9	2710.2	2630.5	2562.2	2493.7	2427.9	2374.3	2327.0	2279.7	2242.5
2941.4	12.5°	2840.6	2746.6	2652.6	2575.3	2498.0	2428.9	2378.9	2340.2	2301.7	2276.9
2980.5	15°	2871.1	2762.9	2654.7	2565.2	2475.7	2399.1	2359.1	2340.6	2322.2	2325.5
2999.2	17.5°	2879.9	2754.2	2628.6	2521.0	2413.3	2323.3	2298.6	2305.4	2312.1	2352.7
3013.8	20°	2882.6	2730.4	2578.2	2444.8	2311.4	2206.5	2200.0	2231.6	2263.3	2333.7
3033.6	22.5°	2886.4	2701.2	2516.1	2355.4	2194.7	2075.3	2088.1	2134.9	2181.7	2262.1
3069.3	25°	2901.1	2672.4	2443.8	2255.5	2067.4	1945.1	1979.5	2033.4	2087.4	2159.7
3125.1	27.5°	2931.8	2653.1	2374.4	2164.3	1954.1	1842.7	1884.6	1936.7	1988.8	2048.2
3197.4	30°	2973.8	2644.1	2314.2	2088.0	1861.8	1768.3	1801.1	1842.4	1883.9	1933.2
3272.9	32.5°	3010.1	2632.9	2255.5	2022.2	1788.7	1713.4	1728.0	1752.5	1776.9	1816.3
3358.8	35°	3036.7	2611.9	2187.2	1957.5	1727.8	1665.0	1658.9	1665.6	1672.4	1702.5
3455.1	37.5°	3052.5	2575.9	2099.2	1881.4	1663.6	1608.7	1586.6	1579.1	1571.7	1593.3
3577.4	40°	3062.5	2526.3	1990.2	1790.6	1591.0	1541.3	1507.3	1490.4	1473.6	1489.1
3737.3	42.5°	3081.4	2475.1	1869.0	1690.4	1511.8	1465.9	1423.1	1400.8	1378.4	1391.1
3947.8	45°	3114.6	2427.6	1740.6	1584.0	1427.3	1380.8	1339.3	1317.6	1295.9	1306.5
4172.0	47.5°	3137.4	2388.3	1639.2	1499.8	1360.3	1300.3	1264.6	1246.4	1228.2	1238.2
4380.1	50°	3122.5	2345.5	1568.5	1443.8	1319.2	1240.3	1198.9	1182.7	1166.6	1182.2
4515.2	52.5°	3030.9	2273.2	1515.7	1407.0	1298.4	1207.7	1149.8	1133.8	1117.9	1141.4
4485.4	55°	2841.5	2153.4	1465.2	1380.3	1295.3	1210.9	1123.8	1098.5	1073.2	1106.6
4275.9	57.5°	2560.1	1984.4	1408.7	1348.7	1288.6	1214.2	1108.1	1071.3	1034.4	1070.4
3885.9	60°	2182.6	1765.0	1347.4	1300.3	1253.1	1204.0	1093.4	1045.7	997.9	1029.4
3358.7	62.5°	1757.4	1502.5	1247.5	1216.2	1184.9	1178.8	1076.3	1016.6	956.9	976.9
2820.7	65°	1385.2	1266.2	1147.2	1132.4	1117.6	1118.4	1040.2	976.8	913.2	920.9
2293.7	67.5°	1073.0	1039.2	1005.3	1013.6	1021.8	1019.7	975.8	923.0	870.1	867.7
1806.0	70°	812.7	822.4	832.0	870.3	908.6	908.6	894.1	856.5	819.0	810.6
1380.7	72.5°	626.9	656.0	685.3	739.6	793.8	803.0	803.1	777.4	751.6	739.3
1002.1	75°	486.8	513.2	539.6	600.5	661.3	703.4	699.9	680.0	660.1	648.4
679.0	77.5°	374.8	392.7	410.8	469.9	528.9	598.3	596.4	580.5	564.6	552.7
437.5	80°	281.0	288.4	295.9	345.9	395.9	478.7	478.4	465.1	451.7	441.8
269.1	82.5°	200.8	202.1	203.6	240.4	277.3	348.0	351.9	345.4	338.9	331.8
143.8	85°	121.4	120.8	120.0	147.0	174.0	226.6	231.7	224.7	217.7	209.8
59.6	87.5°	53.2	52.6	51.9	62.9	74.0	95.8	102.3	99.6	96.8	95.3
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: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2424.7	0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2331.6	2.5°	2317.6	2303.5	2289.4	2275.4	2264.5	2253.5	2244.7	2235.8	2228.9	2222.0
2254.2	5°	2229.3	2204.4	2181.8	2159.1	2141.7	2124.2	2112.0	2099.8	2091.1	2082.5
2206.5	7.5°	2175.1	2143.7	2116.0	2088.3	2067.6	2046.9	2032.4	2017.9	2008.0	1998.1
2205.3	10°	2171.5	2137.7	2106.5	2075.3	2050.6	2025.7	2009.5	1993.2	1983.8	1974.4
2252.4	12.5°	2225.8	2199.3	2167.1	2134.9	2103.2	2071.6	2050.7	2029.7	2019.2	2008.8
2328.9	15°	2322.0	2315.1	2287.1	2259.1	2214.0	2169.0	2137.2	2105.4	2090.8	2076.2
2393.2	17.5°	2414.8	2436.3	2413.7	2391.2	2331.6	2271.9	2225.0	2178.1	2156.5	2134.9
2404.2	20°	2449.3	2494.5	2484.1	2473.5	2405.3	2337.2	2279.7	2222.3	2194.7	2167.0
2342.6	22.5°	2401.3	2460.0	2466.4	2472.6	2407.5	2342.3	2283.2	2223.9	2194.8	2165.6
2232.1	25°	2289.9	2347.7	2369.2	2390.7	2337.3	2284.0	2231.3	2178.9	2153.6	2128.3
2107.6	27.5°	2153.9	2200.3	2224.3	2248.4	2210.3	2172.4	2131.5	2090.7	2073.7	2056.7
1982.6	30°	2021.0	2059.5	2079.0	2098.6	2069.6	2040.6	2011.4	1982.0	1973.3	1964.6
1855.7	32.5°	1892.6	1929.5	1951.2	1973.0	1946.4	1919.7	1896.3	1872.9	1867.3	1861.6
1732.5	35°	1768.9	1805.5	1831.5	1857.6	1838.6	1819.7	1798.1	1776.6	1768.0	1759.4
1614.8	37.5°	1651.1	1687.6	1719.8	1752.0	1743.2	1734.5	1714.7	1694.8	1679.0	1663.4
1504.7	40°	1539.9	1575.0	1612.1	1649.2	1651.3	1653.4	1636.5	1619.7	1596.8	1574.1
1403.8	42.5°	1437.1	1470.5	1510.5	1550.6	1561.3	1572.0	1557.7	1543.6	1515.2	1486.8
1317.3	45°	1348.9	1380.6	1422.1	1463.6	1478.9	1494.3	1481.4	1468.7	1436.2	1403.8
1248.2	47.5°	1279.1	1310.0	1351.0	1391.9	1409.6	1427.3	1418.3	1409.4	1380.6	1351.7
1197.9	50°	1227.1	1256.3	1292.9	1329.6	1352.3	1375.0	1374.4	1374.1	1351.0	1327.9
1164.9	52.5°	1191.7	1218.4	1252.5	1286.8	1313.7	1340.6	1345.4	1350.2	1331.4	1312.6
1140.0	55°	1168.8	1197.6	1227.6	1257.5	1285.9	1314.5	1321.2	1327.9	1311.5	1295.2
1106.3	57.5°	1140.1	1174.0	1203.6	1233.3	1262.0	1290.7	1297.5	1304.3	1287.7	1271.1
1060.9	60°	1099.8	1138.7	1168.7	1198.9	1227.7	1256.5	1264.0	1271.4	1255.2	1239.1
997.0	62.5°	1042.3	1087.7	1119.8	1151.9	1178.3	1204.7	1211.9	1219.0	1204.4	1189.8
928.6	65°	977.1	1025.8	1056.5	1087.2	1110.5	1133.7	1141.1	1148.3	1134.3	1120.2
865.3	67.5°	910.1	955.1	984.2	1013.2	1033.3	1053.4	1060.6	1067.7	1054.7	1041.9
802.2	70°	841.7	881.1	906.2	931.4	949.5	967.6	974.5	981.4	970.9	960.4
727.1	72.5°	758.2	789.2	811.9	834.6	852.4	870.1	878.3	886.5	877.8	869.0
636.6	75°	659.7	682.7	703.3	723.9	740.1	756.3	764.8	773.4	769.1	764.8
540.8	77.5°	559.6	578.3	595.9	613.6	630.6	647.6	655.6	663.6	657.6	651.5
431.7	80°	447.3	462.9	477.8	492.7	505.6	518.4	529.0	539.6	537.0	534.5
324.7	82.5°	323.4	322.1	316.9	311.7	339.2	366.8	384.8	402.9	401.8	400.5
201.9	85°	195.2	188.4	174.0	159.6	185.3	211.2	233.5	255.9	254.0	252.1
93.8	87.5°	93.5	93.2	82.2	71.2	82.0	92.9	101.9	110.9	108.7	106.3
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: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2424.7	0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2215.7	2.5°	2209.3	2201.4	2209.3	2215.7	2222.0	2228.9	2235.8	2244.7	2253.5	2264.5
2075.9	5°	2069.3	2062.8	2069.3	2075.9	2082.5	2091.1	2099.8	2112.0	2124.2	2141.7
1992.1	7.5°	1986.3	1981.8	1986.3	1992.1	1998.1	2008.0	2017.9	2032.4	2046.9	2067.6
1969.3	10°	1964.3	1962.3	1964.3	1969.3	1974.4	1983.8	1993.2	2009.5	2025.7	2050.6
2004.5	12.5°	2000.2	1999.5	2000.2	2004.5	2008.8	2019.2	2029.7	2050.7	2071.6	2103.2
2070.7	15°	2065.1	2064.6	2065.1	2070.7	2076.2	2090.8	2105.4	2137.2	2169.0	2214.0
2127.8	17.5°	2120.6	2119.5	2120.6	2127.8	2134.9	2156.5	2178.1	2225.0	2271.9	2331.6
2158.1	20°	2149.3	2146.5	2149.3	2158.1	2167.0	2194.7	2222.3	2279.7	2337.2	2405.3
2155.8	22.5°	2146.0	2141.8	2146.0	2155.8	2165.6	2194.8	2223.9	2283.2	2342.3	2407.5
2119.1	25°	2110.0	2104.6	2110.0	2119.1	2128.3	2153.6	2178.9	2231.3	2284.0	2337.3
2052.5	27.5°	2048.3	2046.9	2048.3	2052.5	2056.7	2073.7	2090.7	2131.5	2172.4	2210.3
1964.6	30°	1964.6	1966.0	1964.6	1964.6	1964.6	1973.3	1982.0	2011.4	2040.6	2069.6
1862.3	32.5°	1863.2	1864.6	1863.2	1862.3	1861.6	1867.3	1872.9	1896.3	1919.7	1946.4
1757.6	35°	1755.7	1754.8	1755.7	1757.6	1759.4	1768.0	1776.6	1798.1	1819.7	1838.6
1655.1	37.5°	1646.9	1642.2	1646.9	1655.1	1663.4	1679.0	1694.8	1714.7	1734.5	1743.2
1558.6	40°	1543.4	1534.3	1543.4	1558.6	1574.1	1596.8	1619.7	1636.5	1653.4	1651.3
1464.4	42.5°	1442.0	1427.3	1442.0	1464.4	1486.8	1515.2	1543.6	1557.7	1572.0	1561.3
1377.5	45°	1351.2	1334.2	1351.2	1377.5	1403.8	1436.2	1468.7	1481.4	1494.3	1478.9
1327.3	47.5°	1303.1	1286.8	1303.1	1327.3	1351.7	1380.6	1409.4	1418.3	1427.3	1409.6
1305.4	50°	1282.9	1267.2	1282.9	1305.4	1327.9	1351.0	1374.1	1374.4	1375.0	1352.3
1292.5	52.5°	1272.4	1257.9	1272.4	1292.5	1312.6	1331.4	1350.2	1345.4	1340.6	1313.7
1277.5	55°	1259.8	1246.8	1259.8	1277.5	1295.2	1311.5	1327.9	1321.2	1314.5	1285.9
1253.7	57.5°	1236.1	1222.6	1236.1	1253.7	1271.1	1287.7	1304.3	1297.5	1290.7	1262.0
1221.1	60°	1203.0	1189.1	1203.0	1221.1	1239.1	1255.2	1271.4	1264.0	1256.5	1227.7
1170.8	62.5°	1151.9	1135.1	1151.9	1170.8	1189.8	1204.4	1219.0	1211.9	1204.7	1178.3
1101.8	65°	1083.5	1069.1	1083.5	1101.8	1120.2	1134.3	1148.3	1141.1	1133.7	1110.5
1024.8	67.5°	1007.7	994.6	1007.7	1024.8	1041.9	1054.7	1067.7	1060.6	1053.4	1033.3
944.0	70°	927.6	912.7	927.6	944.0	960.4	970.9	981.4	974.5	967.6	949.5
853.4	72.5°	837.8	823.4	837.8	853.4	869.0	877.8	886.5	878.3	870.1	852.4
751.7	75°	738.6	724.8	738.6	751.7	764.8	769.1	773.4	764.8	756.3	740.1
638.3	77.5°	625.1	614.1	625.1	638.3	651.5	657.6	663.6	655.6	647.6	630.6
516.8	80°	498.9	478.2	498.9	516.8	534.5	537.0	539.6	529.0	518.4	505.6
385.6	82.5°	370.5	357.3	370.5	385.6	400.5	401.8	402.9	384.8	366.8	339.2
240.4	85°	228.7	216.8	228.7	240.4	252.1	254.0	255.9	233.5	211.2	185.3
100.3	87.5°	94.2	88.4	94.2	100.3	106.3	108.7	110.9	101.9	92.9	82.0
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: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2424.7	0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2275.4	2.5°	2289.4	2303.5	2317.6	2331.6	2347.7	2363.7	2381.5	2399.4	2421.4	2441.3
2159.1	5°	2181.8	2204.4	2229.3	2254.2	2282.4	2310.7	2344.5	2378.2	2416.8	2455.9
2088.3	7.5°	2116.0	2143.7	2175.1	2206.5	2243.7	2280.9	2325.7	2370.5	2420.5	2473.8
2075.3	10°	2106.5	2137.7	2171.5	2205.3	2242.5	2279.7	2327.0	2374.3	2427.9	2493.7
2134.9	12.5°	2167.1	2199.3	2225.8	2252.4	2276.9	2301.7	2340.2	2378.9	2428.9	2498.0
2259.1	15°	2287.1	2315.1	2322.0	2328.9	2325.5	2322.2	2340.6	2359.1	2399.1	2475.7
2391.2	17.5°	2413.7	2436.3	2414.8	2393.2	2352.7	2312.1	2305.4	2298.6	2323.3	2413.3
2473.5	20°	2484.1	2494.5	2449.3	2404.2	2333.7	2263.3	2231.6	2200.0	2206.5	2311.4
2472.6	22.5°	2466.4	2460.0	2401.3	2342.6	2262.1	2181.7	2134.9	2088.1	2075.3	2194.7
2390.7	25°	2369.2	2347.7	2289.9	2232.1	2159.7	2087.4	2033.4	1979.5	1945.1	2067.4
2248.4	27.5°	2224.3	2200.3	2153.9	2107.6	2048.2	1988.8	1936.7	1884.6	1842.7	1954.1
2098.6	30°	2079.0	2059.5	2021.0	1982.6	1933.2	1883.9	1842.4	1801.1	1768.3	1861.8
1973.0	32.5°	1951.2	1929.5	1892.6	1855.7	1816.3	1776.9	1752.5	1728.0	1713.4	1788.7
1857.6	35°	1831.5	1805.5	1768.9	1732.5	1702.5	1672.4	1665.6	1658.9	1665.0	1727.8
1752.0	37.5°	1719.8	1687.6	1651.1	1614.8	1593.3	1571.7	1579.1	1586.6	1608.7	1663.6
1649.2	40°	1612.1	1575.0	1539.9	1504.7	1489.1	1473.6	1490.4	1507.3	1541.3	1591.0
1550.6	42.5°	1510.5	1470.5	1437.1	1403.8	1391.1	1378.4	1400.8	1423.1	1465.9	1511.8
1463.6	45°	1422.1	1380.6	1348.9	1317.3	1306.5	1295.9	1317.6	1339.3	1380.8	1427.3
1391.9	47.5°	1351.0	1310.0	1279.1	1248.2	1238.2	1228.2	1246.4	1264.6	1300.3	1360.3
1329.6	50°	1292.9	1256.3	1227.1	1197.9	1182.2	1166.6	1182.7	1198.9	1240.3	1319.2
1286.8	52.5°	1252.5	1218.4	1191.7	1164.9	1141.4	1117.9	1133.8	1149.8	1207.7	1298.4
1257.5	55°	1227.6	1197.6	1168.8	1140.0	1106.6	1073.2	1098.5	1123.8	1210.9	1295.3
1233.3	57.5°	1203.6	1174.0	1140.1	1106.3	1070.4	1034.4	1071.3	1108.1	1214.2	1288.6
1198.9	60°	1168.7	1138.7	1099.8	1060.9	1029.4	997.9	1045.7	1093.4	1204.0	1253.1
1151.9	62.5°	1119.8	1087.7	1042.3	997.0	976.9	956.9	1016.6	1076.3	1178.8	1184.9
1087.2	65°	1056.5	1025.8	977.1	928.6	920.9	913.2	976.8	1040.2	1118.4	1117.6
1013.2	67.5°	984.2	955.1	910.1	865.3	867.7	870.1	923.0	975.8	1019.7	1021.8
931.4	70°	906.2	881.1	841.7	802.2	810.6	819.0	856.5	894.1	908.6	908.6
834.6	72.5°	811.9	789.2	758.2	727.1	739.3	751.6	777.4	803.1	803.0	793.8
723.9	75°	703.3	682.7	659.7	636.6	648.4	660.1	680.0	699.9	703.4	661.3
613.6	77.5°	595.9	578.3	559.6	540.8	552.7	564.6	580.5	596.4	598.3	528.9
492.7	80°	477.8	462.9	447.3	431.7	441.8	451.7	465.1	478.4	478.7	395.9
311.7	82.5°	316.9	322.1	323.4	324.7	331.8	338.9	345.4	351.9	348.0	277.3
159.6	85°	174.0	188.4	195.2	201.9	209.8	217.7	224.7	231.7	226.6	174.0
71.2	87.5°	82.2	93.2	93.5	93.8	95.3	96.8	99.6	102.3	95.8	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: P947486
 CATALOG NUMBER: GALN-SB2D-827-U-SLL

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
2424.7	0°	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7	2424.7
2461.7	2.5°	2482.2	2503.6	2525.0	2546.2	2567.5	2587.5	2607.5
2497.3	5°	2538.7	2583.0	2627.3	2671.3	2715.4	2759.6	2803.8
2531.6	7.5°	2589.4	2655.0	2720.6	2787.9	2855.3	2928.1	3001.1
2562.2	10°	2630.5	2710.2	2789.9	2878.8	2967.9	3060.1	3152.3
2575.3	12.5°	2652.6	2746.6	2840.6	2941.4	3042.3	3143.5	3244.9
2565.2	15°	2654.7	2762.9	2871.1	2980.5	3089.9	3195.5	3301.2
2521.0	17.5°	2628.6	2754.2	2879.9	2999.2	3118.6	3225.7	3332.8
2444.8	20°	2578.2	2730.4	2882.6	3013.8	3145.0	3256.4	3367.7
2355.4	22.5°	2516.1	2701.2	2886.4	3033.6	3180.7	3294.5	3408.1
2255.5	25°	2443.8	2672.4	2901.1	3069.3	3237.4	3348.8	3460.3
2164.3	27.5°	2374.4	2653.1	2931.8	3125.1	3318.4	3424.7	3531.0
2088.0	30°	2314.2	2644.1	2973.8	3197.4	3421.0	3523.6	3626.3
2022.2	32.5°	2255.5	2632.9	3010.1	3272.9	3535.6	3637.2	3738.9
1957.5	35°	2187.2	2611.9	3036.7	3358.8	3681.0	3778.4	3875.7
1881.4	37.5°	2099.2	2575.9	3052.5	3455.1	3857.7	3981.8	4106.0
1790.6	40°	1990.2	2526.3	3062.5	3577.4	4092.2	4273.1	4453.9
1690.4	42.5°	1869.0	2475.1	3081.4	3737.3	4393.3	4654.4	4915.4
1584.0	45°	1740.6	2427.6	3114.6	3947.8	4781.0	5133.2	5485.3
1499.8	47.5°	1639.2	2388.3	3137.4	4172.0	5206.7	5702.4	6198.0
1443.8	50°	1568.5	2345.5	3122.5	4380.1	5637.6	6385.0	7132.2
1407.0	52.5°	1515.7	2273.2	3030.9	4515.2	5999.4	7101.9	8204.5
1380.3	55°	1465.2	2153.4	2841.5	4485.4	6129.2	7737.6	9346.1
1348.7	57.5°	1408.7	1984.4	2560.1	4275.9	5991.8	8188.1	10384.5
1300.3	60°	1347.4	1765.0	2182.6	3885.9	5589.3	8300.7	11012.1
1216.2	62.5°	1247.5	1502.5	1757.4	3358.7	4959.9	7826.6	10693.4
1132.4	65°	1147.2	1266.2	1385.2	2820.7	4256.2	7155.9	10055.6
1013.6	67.5°	1005.3	1039.2	1073.0	2293.7	3514.4	6357.7	9201.0
870.3	70°	832.0	822.4	812.7	1806.0	2799.2	5486.7	8174.3
739.6	72.5°	685.3	656.0	626.9	1380.7	2134.4	4542.5	6950.7
600.5	75°	539.6	513.2	486.8	1002.1	1517.3	3460.2	5403.0
469.9	77.5°	410.8	392.7	374.8	679.0	983.3	2421.8	3860.3
345.9	80°	295.9	288.4	281.0	437.5	594.1	1560.3	2526.6
240.4	82.5°	203.6	202.1	200.8	269.1	337.6	903.1	1468.7
147.0	85°	120.0	120.8	121.4	143.8	166.4	406.2	646.2
62.9	87.5°	51.9	52.6	53.2	59.6	66.1	133.1	200.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)