

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: P949649

Luminaire Tested: **GALN-SB4B-830-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949649  
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-830-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

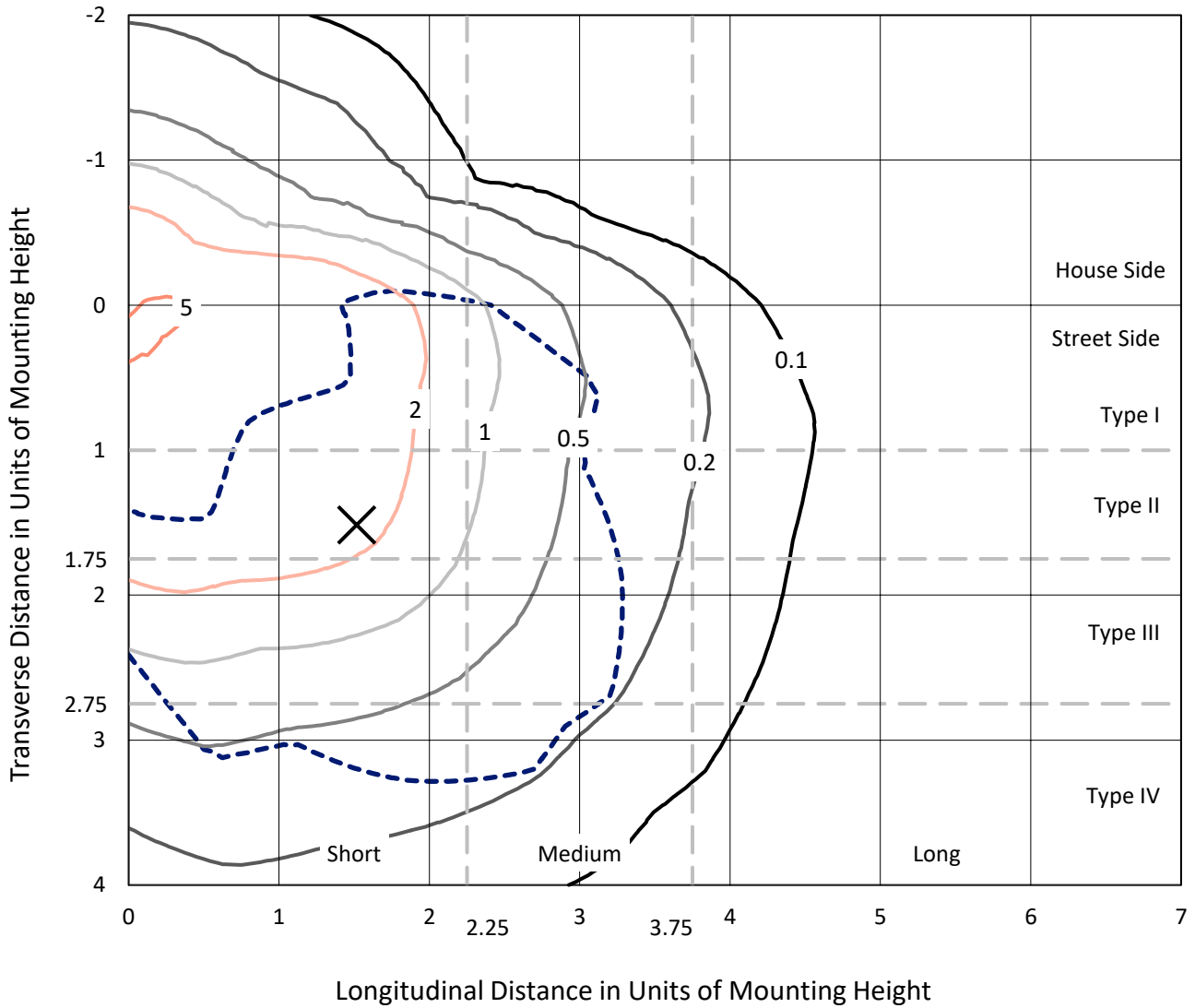
Lumens per Lamp: N/A  
Luminaire Lumens: 20206 lumens  
Efficiency: N/A  
Efficacy: 137.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

### Iso-Footcandle Lines of Horizontal Illumination

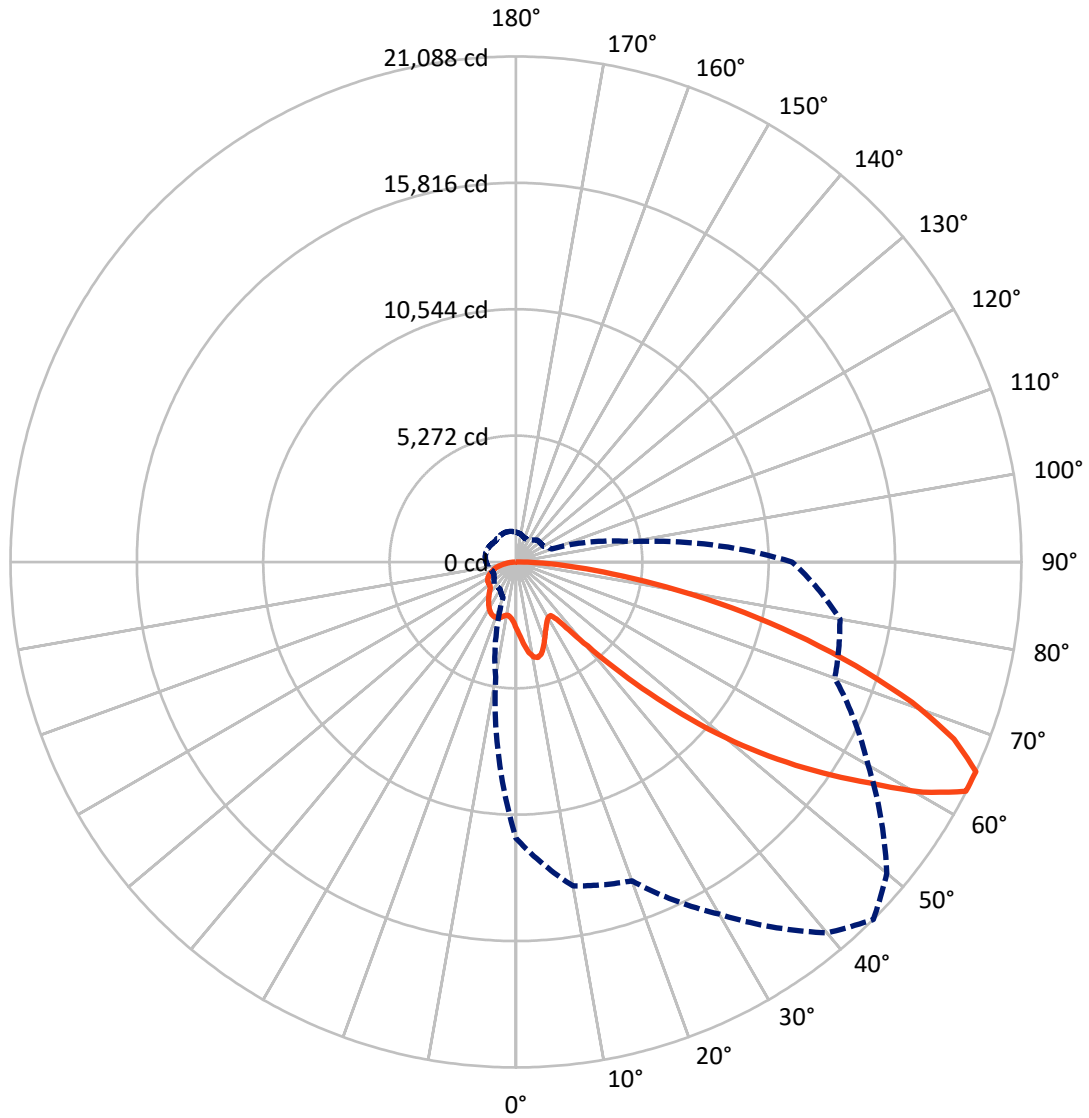
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P949649  
CATALOG NUMBER: GALN-SB4B-830-U-SLL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5135.3	0.0	5135.3
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	15070.6	0.0	15070.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	20206.0	0.0	20206.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.6	1.4
10°-20°	865.2	4.3
20°-30°	1336.5	6.6
30°-40°	1693.7	8.4
40°-50°	2554.5	12.6
50°-60°	4127.2	20.4
60°-70°	5145.2	25.5
70°-80°	3374.0	16.7
80°-90°	834.1	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°	20206.0	100.0
0°-180°	20206.0	100.0



REPORT NUMBER: P949649

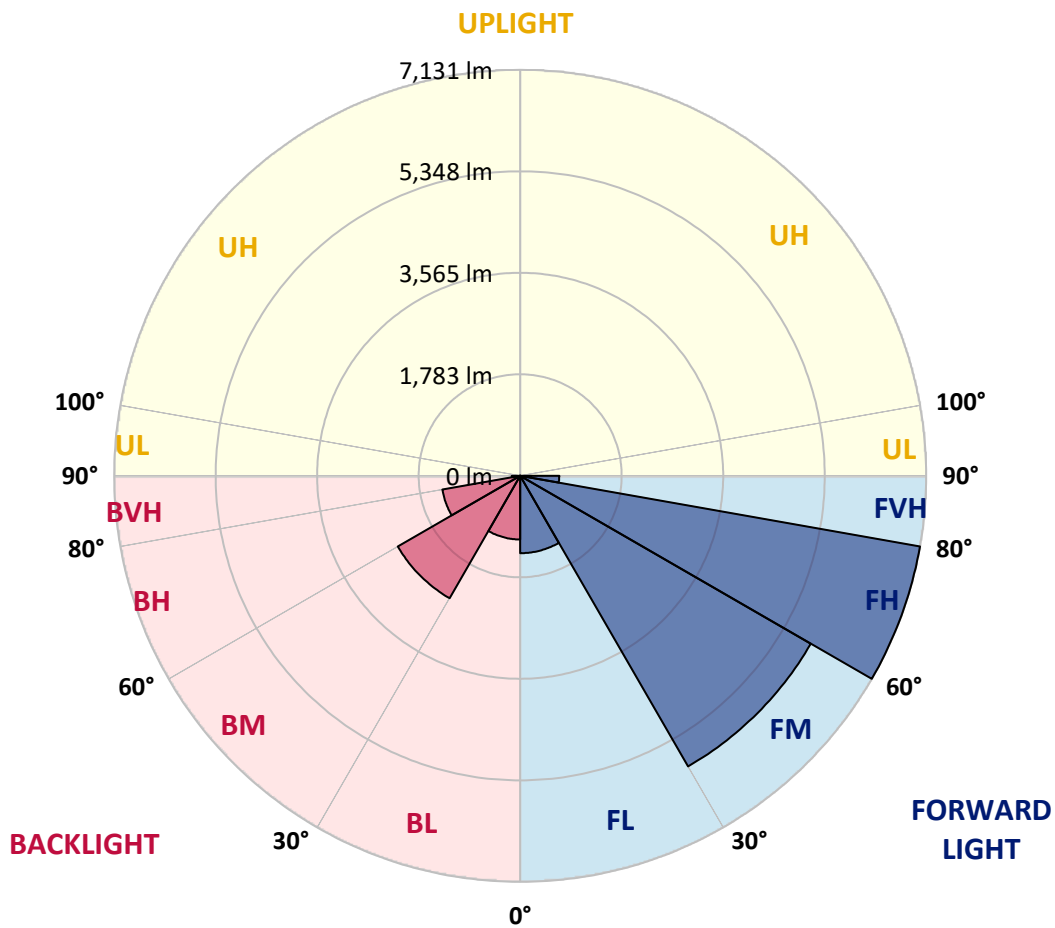
CATALOG NUMBER: GALN-SB4B-830-U-SLL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1359.1	6.7			
FM (30°-60°)	5893.6	29.2			
FH (60°-80°)	7130.8	35.3			G3/7500
FVH (80°-90°)	687.1	3.4			G4/750
BL (0°-30°)	1118.3	5.5	B3/2500		
BM (30°-60°)	2481.7	12.3	B2/2500		
BH (60°-80°)	1388.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	147.0	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: P949649

CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
2.5°	2988.0	2999.3	3010.7	3026.8	3042.9	3052.5	3062.1	3066.9	3071.7	3069.6
5°	3213.0	3252.5	3292.2	3331.4	3370.8	3392.1	3413.4	3426.3	3439.3	3449.1
7.5°	3439.0	3503.4	3567.7	3625.6	3683.5	3718.3	3753.2	3772.1	3790.8	3799.9
10°	3612.3	3688.4	3764.5	3832.4	3900.3	3941.5	3982.4	4000.8	4019.0	4025.9
12.5°	3718.3	3800.9	3883.3	3944.7	4005.9	4035.8	4065.6	4075.6	4085.7	4086.7
15°	3782.9	3854.1	3925.2	3963.7	4002.3	4003.3	4004.4	3993.7	3983.1	3970.5
17.5°	3819.1	3867.2	3915.3	3916.0	3916.7	3873.5	3830.3	3790.7	3751.1	3723.1
20°	3859.1	3875.8	3892.7	3842.0	3791.4	3696.1	3600.7	3531.3	3461.9	3419.3
22.5°	3905.5	3883.5	3861.5	3756.6	3651.7	3511.5	3371.3	3284.5	3197.7	3150.6
25°	3965.2	3895.9	3826.6	3667.3	3508.0	3337.7	3167.4	3076.2	2985.1	2940.6
27.5°	4046.2	3922.3	3798.3	3587.3	3376.4	3187.7	2999.0	2909.2	2819.5	2777.4
30°	4155.5	3970.7	3786.1	3526.3	3266.6	3070.0	2873.4	2790.1	2706.9	2667.6
32.5°	4284.5	4031.5	3778.6	3484.7	3190.9	3006.1	2821.4	2756.0	2690.5	2662.3
35°	4441.2	4131.6	3822.1	3515.9	3209.8	3081.4	2953.1	2937.9	2922.6	2920.3
37.5°	4705.1	4340.9	3976.7	3698.4	3420.1	3411.8	3403.5	3473.2	3543.0	3579.2
40°	5103.9	4707.8	4311.7	4104.7	3897.8	4043.9	4189.9	4359.5	4529.0	4613.4
42.5°	5632.7	5239.7	4846.7	4727.5	4608.3	4926.9	5245.5	5553.8	5862.1	6043.2
45°	6285.7	5932.7	5579.6	5527.0	5474.4	5984.8	6495.2	7001.9	7508.7	7816.3
47.5°	7102.4	6759.0	6415.5	6404.8	6394.2	7130.5	7866.6	8608.3	9350.0	9785.5
50°	8172.9	7748.7	7324.5	7326.3	7328.2	8277.1	9226.0	10205.1	11184.2	11776.1
52.5°	9401.7	8888.0	8374.4	8322.5	8270.5	9403.9	10537.4	11748.8	12960.1	13669.7
55°	10709.9	10202.4	9694.9	9492.4	9290.0	10551.5	11812.9	13257.0	14701.2	15545.1
57.5°	11899.8	11623.4	11347.0	10940.8	10534.8	11808.6	13082.4	14718.2	16353.8	17400.3
60°	12618.9	13048.2	13477.5	12973.2	12468.9	13674.4	14879.8	16631.1	18382.4	19513.5
62.5°	12253.8	13426.7	14599.6	14542.8	14485.8	15590.1	16694.5	18360.7	20026.8	21072.2
65°	11522.9	12623.7	13724.6	13942.4	14160.1	15563.4	16966.9	18582.6	20198.2	21088.2
67.5°	10543.6	11590.6	12637.6	12739.7	12841.8	14303.9	15766.0	17388.6	19011.3	19708.6
70°	9367.0	10505.8	11644.7	11690.4	11736.1	13043.7	14351.2	15747.6	17143.9	17531.4
72.5°	7965.0	9271.8	10578.8	10611.6	10644.3	11667.4	12690.4	13736.2	14781.9	14821.1
75°	6191.4	7544.0	8896.5	9018.0	9139.4	9935.3	10731.2	11467.4	12203.6	12006.4
77.5°	4423.6	5686.2	6948.9	7122.7	7296.5	7901.6	8506.6	9028.7	9551.0	9211.9
80°	2895.2	3957.5	5019.6	5235.6	5451.7	5908.6	6365.4	6639.6	6913.7	6368.4
82.5°	1683.0	2409.2	3135.5	3376.7	3618.1	3932.7	4247.2	4361.6	4475.9	4047.3
85°	740.5	1125.9	1511.3	1716.6	1921.8	2180.3	2438.6	2503.5	2568.5	2225.1
87.5°	229.2	358.8	488.3	602.8	717.3	846.6	975.8	981.3	986.8	828.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2778.5	0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
3071.7	2.5°	3066.9	3062.1	3052.5	3042.9	3026.8	3010.7	2999.3	2988.0	2965.1	2942.2
3439.3	5°	3426.3	3413.4	3392.1	3370.8	3331.4	3292.2	3252.5	3213.0	3162.3	3111.7
3790.8	7.5°	3772.1	3753.2	3718.3	3683.5	3625.6	3567.7	3503.4	3439.0	3355.4	3271.9
4019.0	10°	4000.8	3982.4	3941.5	3900.3	3832.4	3764.5	3688.4	3612.3	3506.6	3400.9
4085.7	12.5°	4075.6	4065.6	4035.8	4005.9	3944.7	3883.3	3800.9	3718.3	3602.2	3486.2
3983.1	15°	3993.7	4004.4	4003.3	4002.3	3963.7	3925.2	3854.1	3782.9	3661.8	3540.8
3751.1	17.5°	3790.7	3830.3	3873.5	3916.7	3916.0	3915.3	3867.2	3819.1	3696.4	3573.7
3461.9	20°	3531.3	3600.7	3696.1	3791.4	3842.0	3892.7	3875.8	3859.1	3731.6	3603.9
3197.7	22.5°	3284.5	3371.3	3511.5	3651.7	3756.6	3861.5	3883.5	3905.5	3775.2	3644.8
2985.1	25°	3076.2	3167.4	3337.7	3508.0	3667.3	3826.6	3895.9	3965.2	3837.4	3709.8
2819.5	27.5°	2909.2	2999.0	3187.7	3376.4	3587.3	3798.3	3922.3	4046.2	3924.4	3802.6
2706.9	30°	2790.1	2873.4	3070.0	3266.6	3526.3	3786.1	3970.7	4155.5	4037.8	3920.2
2690.5	32.5°	2756.0	2821.4	3006.1	3190.9	3484.7	3778.6	4031.5	4284.5	4168.0	4051.5
2922.6	35°	2937.9	2953.1	3081.4	3209.8	3515.9	3822.1	4131.6	4441.2	4329.7	4218.1
3543.0	37.5°	3473.2	3403.5	3411.8	3420.1	3698.4	3976.7	4340.9	4705.1	4562.9	4420.6
4529.0	40°	4359.5	4189.9	4043.9	3897.8	4104.7	4311.7	4707.8	5103.9	4896.6	4689.3
5862.1	42.5°	5553.8	5245.5	4926.9	4608.3	4727.5	4846.7	5239.7	5632.7	5333.5	5034.4
7508.7	45°	7001.9	6495.2	5984.8	5474.4	5527.0	5579.6	5932.7	6285.7	5882.2	5478.6
9350.0	47.5°	8608.3	7866.6	7130.5	6394.2	6404.8	6415.5	6759.0	7102.4	6534.5	5966.4
11184.2	50°	10205.1	9226.0	8277.1	7328.2	7326.3	7324.5	7748.7	8172.9	7316.6	6460.3
12960.1	52.5°	11748.8	10537.4	9403.9	8270.5	8322.5	8374.4	8888.0	9401.7	8138.3	6874.8
14701.2	55°	13257.0	11812.9	10551.5	9290.0	9492.4	9694.9	10202.4	10709.9	8866.7	7023.5
16353.8	57.5°	14718.2	13082.4	11808.6	10534.8	10940.8	11347.0	11623.4	11899.8	9382.9	6866.1
18382.4	60°	16631.1	14879.8	13674.4	12468.9	12973.2	13477.5	13048.2	12618.9	9511.9	6404.8
20026.8	62.5°	18360.7	16694.5	15590.1	14485.8	14542.8	14599.6	13426.7	12253.8	8968.7	5683.7
20198.2	65°	18582.6	16966.9	15563.4	14160.1	13942.4	13724.6	12623.7	11522.9	8200.1	4877.3
19011.3	67.5°	17388.6	15766.0	14303.9	12841.8	12739.7	12637.6	11590.6	10543.6	7285.4	4027.2
17143.9	70°	15747.6	14351.2	13043.7	11736.1	11690.4	11644.7	10505.8	9367.0	6287.3	3207.6
14781.9	72.5°	13736.2	12690.4	11667.4	10644.3	10611.6	10578.8	9271.8	7965.0	5205.4	2445.8
12203.6	75°	11467.4	10731.2	9935.3	9139.4	9018.0	8896.5	7544.0	6191.4	3965.1	1738.7
9551.0	77.5°	9028.7	8506.6	7901.6	7296.5	7122.7	6948.9	5686.2	4423.6	2775.2	1126.8
6913.7	80°	6639.6	6365.4	5908.6	5451.7	5235.6	5019.6	3957.5	2895.2	1788.0	680.8
4475.9	82.5°	4361.6	4247.2	3932.7	3618.1	3376.7	3135.5	2409.2	1683.0	1034.8	386.8
2568.5	85°	2503.5	2438.6	2180.3	1921.8	1716.6	1511.3	1125.9	740.5	465.5	190.6
986.8	87.5°	981.3	975.8	846.6	717.3	602.8	488.3	358.8	229.2	152.5	75.7
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: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2778.5	0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
2917.7	2.5°	2893.4	2868.9	2844.4	2820.9	2797.5	2774.8	2749.5	2729.0	2708.7	2690.2
3061.1	5°	3010.7	2959.9	2909.1	2861.7	2814.2	2769.4	2725.2	2686.6	2647.9	2615.5
3194.7	7.5°	3117.5	3042.4	2967.2	2901.0	2834.8	2773.7	2716.4	2665.1	2613.8	2571.1
3298.9	10°	3197.0	3105.7	3014.3	2936.1	2857.6	2782.2	2720.7	2666.5	2612.4	2569.7
3370.7	12.5°	3255.1	3147.4	3039.7	2951.1	2862.5	2783.3	2726.0	2681.7	2637.5	2609.2
3415.4	15°	3290.1	3166.1	3042.1	2939.5	2836.9	2749.2	2703.3	2682.1	2661.0	2664.8
3436.9	17.5°	3300.1	3156.1	3012.2	2888.8	2765.5	2662.3	2634.0	2641.8	2649.5	2696.0
3453.6	20°	3303.3	3128.9	2954.4	2801.5	2648.6	2528.5	2521.0	2557.3	2593.5	2674.2
3476.2	22.5°	3307.5	3095.4	2883.2	2699.1	2514.9	2378.1	2392.8	2446.4	2500.0	2592.1
3517.2	25°	3324.4	3062.3	2800.4	2584.7	2369.1	2228.9	2268.3	2330.2	2392.0	2474.8
3581.1	27.5°	3359.6	3040.2	2720.9	2480.1	2239.2	2111.6	2159.6	2219.3	2279.0	2347.1
3664.0	30°	3407.8	3029.9	2651.8	2392.6	2133.5	2026.3	2063.9	2111.3	2158.8	2215.3
3750.4	32.5°	3449.3	3017.1	2584.7	2317.3	2049.8	1963.4	1980.1	2008.2	2036.2	2081.3
3849.0	35°	3479.8	2993.0	2506.4	2243.2	1979.9	1908.0	1901.0	1908.7	1916.5	1950.9
3959.3	37.5°	3498.0	2951.8	2405.5	2155.9	1906.4	1843.4	1818.1	1809.5	1801.0	1825.7
4099.4	40°	3509.4	2894.9	2280.6	2051.9	1823.2	1766.1	1727.2	1707.9	1688.6	1706.4
4282.7	42.5°	3531.0	2836.3	2141.8	1937.1	1732.4	1679.8	1630.7	1605.2	1579.6	1594.1
4523.9	45°	3569.1	2781.8	1994.6	1815.1	1635.5	1582.2	1534.8	1509.8	1485.0	1497.1
4780.8	47.5°	3595.2	2736.8	1878.4	1718.6	1558.8	1490.0	1449.2	1428.3	1407.4	1418.9
5019.2	50°	3578.1	2687.8	1797.4	1654.5	1511.6	1421.2	1373.8	1355.2	1336.8	1354.7
5174.0	52.5°	3473.1	2604.9	1736.8	1612.3	1487.9	1383.9	1317.6	1299.3	1281.0	1308.0
5139.9	55°	3256.2	2467.6	1679.0	1581.7	1484.4	1387.7	1287.7	1258.7	1229.9	1268.1
4899.8	57.5°	2933.6	2274.0	1614.2	1545.4	1476.7	1391.4	1269.8	1227.6	1185.4	1226.5
4453.0	60°	2501.1	2022.6	1544.1	1490.0	1435.9	1379.7	1253.0	1198.3	1143.5	1179.6
3848.7	62.5°	2013.8	1721.7	1429.6	1393.6	1357.8	1350.9	1233.4	1164.9	1096.6	1119.5
3232.3	65°	1587.3	1451.0	1314.6	1297.7	1280.7	1281.6	1192.0	1119.3	1046.5	1055.3
2628.4	67.5°	1229.5	1190.8	1152.0	1161.5	1170.9	1168.5	1118.2	1057.7	997.1	994.3
2069.5	70°	931.3	942.4	953.4	997.3	1041.1	1041.1	1024.6	981.5	938.5	928.9
1582.1	72.5°	718.4	751.8	785.3	847.5	909.7	920.1	920.3	890.8	861.3	847.2
1148.3	75°	557.8	588.1	618.4	688.1	757.9	806.0	802.0	779.3	756.5	743.0
778.1	77.5°	429.5	450.0	470.7	538.4	606.1	685.6	683.4	665.2	647.0	633.3
501.3	80°	322.0	330.5	339.0	396.4	453.7	548.6	548.2	533.0	517.6	506.2
308.3	82.5°	230.1	231.6	233.3	275.5	317.7	398.8	403.2	395.8	388.3	380.2
164.8	85°	139.1	138.4	137.5	168.5	199.4	259.6	265.5	257.5	249.5	240.4
68.3	87.5°	61.0	60.2	59.5	72.1	84.8	109.8	117.3	114.1	110.9	109.2
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: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2778.5	0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
2671.9	2.5°	2655.8	2639.7	2623.5	2607.4	2594.9	2582.3	2572.2	2562.1	2554.2	2546.3
2583.2	5°	2554.6	2526.0	2500.1	2474.1	2454.2	2434.1	2420.2	2406.2	2396.3	2386.4
2528.5	7.5°	2492.5	2456.5	2424.7	2393.1	2369.3	2345.6	2329.0	2312.4	2301.0	2289.6
2527.1	10°	2488.4	2449.6	2413.9	2378.1	2349.8	2321.3	2302.8	2284.0	2273.2	2262.5
2581.0	12.5°	2550.5	2520.3	2483.3	2446.4	2410.1	2373.9	2349.9	2325.9	2313.9	2301.9
2668.7	15°	2660.8	2652.9	2620.8	2588.7	2537.1	2485.5	2449.0	2412.6	2395.8	2379.2
2742.5	17.5°	2767.2	2791.8	2765.9	2740.1	2671.8	2603.4	2549.7	2496.0	2471.2	2446.4
2755.0	20°	2806.8	2858.5	2846.5	2834.5	2756.3	2678.3	2612.4	2546.6	2514.9	2483.2
2684.5	22.5°	2751.7	2819.0	2826.3	2833.4	2758.8	2684.1	2616.3	2548.4	2515.0	2481.6
2557.8	25°	2624.0	2690.2	2715.0	2739.6	2678.4	2617.3	2556.9	2496.8	2467.8	2438.9
2415.1	27.5°	2468.2	2521.3	2548.8	2576.5	2532.8	2489.3	2442.5	2395.7	2376.3	2356.8
2271.8	30°	2315.9	2360.0	2382.4	2404.8	2371.6	2338.4	2304.9	2271.2	2261.3	2251.3
2126.5	32.5°	2168.7	2211.1	2235.9	2260.9	2230.4	2199.8	2173.0	2146.2	2139.7	2133.2
1985.3	35°	2027.0	2068.9	2098.8	2128.7	2106.9	2085.3	2060.5	2035.9	2026.0	2016.2
1850.4	37.5°	1892.1	1933.9	1970.8	2007.6	1997.6	1987.6	1964.9	1942.1	1924.1	1906.1
1724.2	40°	1764.5	1804.9	1847.3	1889.8	1892.3	1894.6	1875.3	1856.0	1829.8	1803.8
1608.7	42.5°	1646.8	1685.1	1731.0	1776.8	1789.1	1801.3	1785.0	1768.8	1736.3	1703.8
1509.5	45°	1545.8	1582.0	1629.6	1677.1	1694.7	1712.3	1697.6	1683.0	1645.8	1608.7
1430.3	47.5°	1465.8	1501.2	1548.1	1595.0	1615.3	1635.5	1625.3	1615.1	1582.0	1549.0
1372.7	50°	1406.2	1439.6	1481.6	1523.6	1549.6	1575.6	1575.0	1574.6	1548.1	1521.7
1334.9	52.5°	1365.6	1396.2	1435.3	1474.5	1505.4	1536.2	1541.7	1547.3	1525.7	1504.2
1306.3	55°	1339.4	1372.4	1406.7	1441.0	1473.6	1506.3	1514.0	1521.7	1502.9	1484.1
1267.7	57.5°	1306.5	1345.3	1379.2	1413.2	1446.2	1479.0	1486.8	1494.6	1475.6	1456.6
1215.7	60°	1260.2	1304.8	1339.2	1373.8	1406.8	1439.9	1448.4	1457.0	1438.4	1420.0
1142.4	62.5°	1194.3	1246.4	1283.2	1319.9	1350.2	1380.5	1388.7	1396.9	1380.2	1363.4
1064.1	65°	1119.7	1175.5	1210.7	1245.8	1272.5	1299.2	1307.6	1315.9	1299.8	1283.7
991.6	67.5°	1043.0	1094.4	1127.8	1161.1	1184.1	1207.1	1215.4	1223.5	1208.6	1193.9
919.3	70°	964.5	1009.7	1038.5	1067.3	1088.0	1108.8	1116.7	1124.6	1112.6	1100.5
833.2	72.5°	868.8	904.3	930.4	956.4	976.7	997.1	1006.5	1015.9	1005.8	995.8
729.5	75°	755.9	782.4	805.9	829.5	848.0	866.6	876.4	886.2	881.3	876.4
619.7	77.5°	641.2	662.6	682.9	703.2	722.7	742.1	751.2	760.4	753.6	746.5
494.7	80°	512.6	530.4	547.5	564.5	579.4	594.1	606.2	618.4	615.4	612.5
372.1	82.5°	370.6	369.1	363.1	357.2	388.7	420.3	441.0	461.7	460.4	459.0
231.4	85°	223.7	215.9	199.4	182.9	212.4	242.0	267.6	293.2	291.1	288.9
107.5	87.5°	107.2	106.8	94.3	81.6	93.9	106.4	116.7	127.1	124.5	121.8
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: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2778.5	0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
2539.0	2.5°	2531.7	2522.6	2531.7	2539.0	2546.3	2554.2	2562.1	2572.2	2582.3	2594.9
2378.8	5°	2371.2	2363.7	2371.2	2378.8	2386.4	2396.3	2406.2	2420.2	2434.1	2454.2
2282.8	7.5°	2276.1	2271.0	2276.1	2282.8	2289.6	2301.0	2312.4	2329.0	2345.6	2369.3
2256.7	10°	2250.9	2248.6	2250.9	2256.7	2262.5	2273.2	2284.0	2302.8	2321.3	2349.8
2297.0	12.5°	2292.1	2291.2	2292.1	2297.0	2301.9	2313.9	2325.9	2349.9	2373.9	2410.1
2372.8	15°	2366.4	2365.9	2366.4	2372.8	2379.2	2395.8	2412.6	2449.0	2485.5	2537.1
2438.3	17.5°	2430.1	2428.8	2430.1	2438.3	2446.4	2471.2	2496.0	2549.7	2603.4	2671.8
2473.0	20°	2462.9	2459.7	2462.9	2473.0	2483.2	2514.9	2546.6	2612.4	2678.3	2756.3
2470.4	22.5°	2459.2	2454.4	2459.2	2470.4	2481.6	2515.0	2548.4	2616.3	2684.1	2758.8
2428.4	25°	2417.9	2411.7	2417.9	2428.4	2438.9	2467.8	2496.8	2556.9	2617.3	2678.4
2352.0	27.5°	2347.2	2345.6	2347.2	2352.0	2356.8	2376.3	2395.7	2442.5	2489.3	2532.8
2251.3	30°	2251.3	2252.9	2251.3	2251.3	2251.3	2261.3	2271.2	2304.9	2338.4	2371.6
2134.1	32.5°	2135.1	2136.7	2135.1	2134.1	2133.2	2139.7	2146.2	2173.0	2199.8	2230.4
2014.0	35°	2011.9	2010.8	2011.9	2014.0	2016.2	2026.0	2035.9	2060.5	2085.3	2106.9
1896.7	37.5°	1887.2	1881.8	1887.2	1896.7	1906.1	1924.1	1942.1	1964.9	1987.6	1997.6
1786.1	40°	1768.6	1758.2	1768.6	1786.1	1803.8	1829.8	1856.0	1875.3	1894.6	1892.3
1678.1	42.5°	1652.4	1635.5	1652.4	1678.1	1703.8	1736.3	1768.8	1785.0	1801.3	1789.1
1578.5	45°	1548.3	1528.9	1548.3	1578.5	1608.7	1645.8	1683.0	1697.6	1712.3	1694.7
1521.0	47.5°	1493.2	1474.5	1493.2	1521.0	1549.0	1582.0	1615.1	1625.3	1635.5	1615.3
1495.9	50°	1470.1	1452.2	1470.1	1495.9	1521.7	1548.1	1574.6	1575.0	1575.6	1549.6
1481.0	52.5°	1458.0	1441.5	1458.0	1481.0	1504.2	1525.7	1547.3	1541.7	1536.2	1505.4
1463.9	55°	1443.6	1428.7	1443.6	1463.9	1484.1	1502.9	1521.7	1514.0	1506.3	1473.6
1436.6	57.5°	1416.4	1401.0	1416.4	1436.6	1456.6	1475.6	1494.6	1486.8	1479.0	1446.2
1399.3	60°	1378.6	1362.6	1378.6	1399.3	1420.0	1438.4	1457.0	1448.4	1439.9	1406.8
1341.7	62.5°	1319.9	1300.8	1319.9	1341.7	1363.4	1380.2	1396.9	1388.7	1380.5	1350.2
1262.6	65°	1241.6	1225.1	1241.6	1262.6	1283.7	1299.8	1315.9	1307.6	1299.2	1272.5
1174.3	67.5°	1154.7	1139.8	1154.7	1174.3	1193.9	1208.6	1223.5	1215.4	1207.1	1184.1
1081.8	70°	1063.0	1045.9	1063.0	1081.8	1100.5	1112.6	1124.6	1116.7	1108.8	1088.0
977.9	72.5°	960.1	943.6	960.1	977.9	995.8	1005.8	1015.9	1006.5	997.1	976.7
861.4	75°	846.3	830.6	846.3	861.4	876.4	881.3	886.2	876.4	866.6	848.0
731.4	77.5°	716.3	703.7	716.3	731.4	746.5	753.6	760.4	751.2	742.1	722.7
592.2	80°	571.7	548.0	571.7	592.2	612.5	615.4	618.4	606.2	594.1	579.4
441.8	82.5°	424.6	409.4	424.6	441.8	459.0	460.4	461.7	441.0	420.3	388.7
275.5	85°	262.1	248.4	262.1	275.5	288.9	291.1	293.2	267.6	242.0	212.4
114.9	87.5°	107.9	101.3	107.9	114.9	121.8	124.5	127.1	116.7	106.4	93.9
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: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2778.5	0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
2607.4	2.5°	2623.5	2639.7	2655.8	2671.9	2690.2	2708.7	2729.0	2749.5	2774.8	2797.5
2474.1	5°	2500.1	2526.0	2554.6	2583.2	2615.5	2647.9	2686.6	2725.2	2769.4	2814.2
2393.1	7.5°	2424.7	2456.5	2492.5	2528.5	2571.1	2613.8	2665.1	2716.4	2773.7	2834.8
2378.1	10°	2413.9	2449.6	2488.4	2527.1	2569.7	2612.4	2666.5	2720.7	2782.2	2857.6
2446.4	12.5°	2483.3	2520.3	2550.5	2581.0	2609.2	2637.5	2681.7	2726.0	2783.3	2862.5
2588.7	15°	2620.8	2652.9	2660.8	2668.7	2664.8	2661.0	2682.1	2703.3	2749.2	2836.9
2740.1	17.5°	2765.9	2791.8	2767.2	2742.5	2696.0	2649.5	2641.8	2634.0	2662.3	2765.5
2834.5	20°	2846.5	2858.5	2806.8	2755.0	2674.2	2593.5	2557.3	2521.0	2528.5	2648.6
2833.4	22.5°	2826.3	2819.0	2751.7	2684.5	2592.1	2500.0	2446.4	2392.8	2378.1	2514.9
2739.6	25°	2715.0	2690.2	2624.0	2557.8	2474.8	2392.0	2330.2	2268.3	2228.9	2369.1
2576.5	27.5°	2548.8	2521.3	2468.2	2415.1	2347.1	2279.0	2219.3	2159.6	2111.6	2239.2
2404.8	30°	2382.4	2360.0	2315.9	2271.8	2215.3	2158.8	2111.3	2063.9	2026.3	2133.5
2260.9	32.5°	2235.9	2211.1	2168.7	2126.5	2081.3	2036.2	2008.2	1980.1	1963.4	2049.8
2128.7	35°	2098.8	2068.9	2027.0	1985.3	1950.9	1916.5	1908.7	1901.0	1908.0	1979.9
2007.6	37.5°	1970.8	1933.9	1892.1	1850.4	1825.7	1801.0	1809.5	1818.1	1843.4	1906.4
1889.8	40°	1847.3	1804.9	1764.5	1724.2	1706.4	1688.6	1707.9	1727.2	1766.1	1823.2
1776.8	42.5°	1731.0	1685.1	1646.8	1608.7	1594.1	1579.6	1605.2	1630.7	1679.8	1732.4
1677.1	45°	1629.6	1582.0	1545.8	1509.5	1497.1	1485.0	1509.8	1534.8	1582.2	1635.5
1595.0	47.5°	1548.1	1501.2	1465.8	1430.3	1418.9	1407.4	1428.3	1449.2	1490.0	1558.8
1523.6	50°	1481.6	1439.6	1406.2	1372.7	1354.7	1336.8	1355.2	1373.8	1421.2	1511.6
1474.5	52.5°	1435.3	1396.2	1365.6	1334.9	1308.0	1281.0	1299.3	1317.6	1383.9	1487.9
1441.0	55°	1406.7	1372.4	1339.4	1306.3	1268.1	1229.9	1258.7	1287.7	1387.7	1484.4
1413.2	57.5°	1379.2	1345.3	1306.5	1267.7	1226.5	1185.4	1227.6	1269.8	1391.4	1476.7
1373.8	60°	1339.2	1304.8	1260.2	1215.7	1179.6	1143.5	1198.3	1253.0	1379.7	1435.9
1319.9	62.5°	1283.2	1246.4	1194.3	1142.4	1119.5	1096.6	1164.9	1233.4	1350.9	1357.8
1245.8	65°	1210.7	1175.5	1119.7	1064.1	1055.3	1046.5	1119.3	1192.0	1281.6	1280.7
1161.1	67.5°	1127.8	1094.4	1043.0	991.6	994.3	997.1	1057.7	1118.2	1168.5	1170.9
1067.3	70°	1038.5	1009.7	964.5	919.3	928.9	938.5	981.5	1024.6	1041.1	1041.1
956.4	72.5°	930.4	904.3	868.8	833.2	847.2	861.3	890.8	920.3	920.1	909.7
829.5	75°	805.9	782.4	755.9	729.5	743.0	756.5	779.3	802.0	806.0	757.9
703.2	77.5°	682.9	662.6	641.2	619.7	633.3	647.0	665.2	683.4	685.6	606.1
564.5	80°	547.5	530.4	512.6	494.7	506.2	517.6	533.0	548.2	548.6	453.7
357.2	82.5°	363.1	369.1	370.6	372.1	380.2	388.3	395.8	403.2	398.8	317.7
182.9	85°	199.4	215.9	223.7	231.4	240.4	249.5	257.5	265.5	259.6	199.4
81.6	87.5°	94.3	106.8	107.2	107.5	109.2	110.9	114.1	117.3	109.8	84.8
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: P949649  
 CATALOG NUMBER: GALN-SB4B-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
2778.5	0°	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5	2778.5
2820.9	2.5°	2844.4	2868.9	2893.4	2917.7	2942.2	2965.1	2988.0
2861.7	5°	2909.1	2959.9	3010.7	3061.1	3111.7	3162.3	3213.0
2901.0	7.5°	2967.2	3042.4	3117.5	3194.7	3271.9	3355.4	3439.0
2936.1	10°	3014.3	3105.7	3197.0	3298.9	3400.9	3506.6	3612.3
2951.1	12.5°	3039.7	3147.4	3255.1	3370.7	3486.2	3602.2	3718.3
2939.5	15°	3042.1	3166.1	3290.1	3415.4	3540.8	3661.8	3782.9
2888.8	17.5°	3012.2	3156.1	3300.1	3436.9	3573.7	3696.4	3819.1
2801.5	20°	2954.4	3128.9	3303.3	3453.6	3603.9	3731.6	3859.1
2699.1	22.5°	2883.2	3095.4	3307.5	3476.2	3644.8	3775.2	3905.5
2584.7	25°	2800.4	3062.3	3324.4	3517.2	3709.8	3837.4	3965.2
2480.1	27.5°	2720.9	3040.2	3359.6	3581.1	3802.6	3924.4	4046.2
2392.6	30°	2651.8	3029.9	3407.8	3664.0	3920.2	4037.8	4155.5
2317.3	32.5°	2584.7	3017.1	3449.3	3750.4	4051.5	4168.0	4284.5
2243.2	35°	2506.4	2993.0	3479.8	3849.0	4218.1	4329.7	4441.2
2155.9	37.5°	2405.5	2951.8	3498.0	3959.3	4420.6	4562.9	4705.1
2051.9	40°	2280.6	2894.9	3509.4	4099.4	4689.3	4896.6	5103.9
1937.1	42.5°	2141.8	2836.3	3531.0	4282.7	5034.4	5333.5	5632.7
1815.1	45°	1994.6	2781.8	3569.1	4523.9	5478.6	5882.2	6285.7
1718.6	47.5°	1878.4	2736.8	3595.2	4780.8	5966.4	6534.5	7102.4
1654.5	50°	1797.4	2687.8	3578.1	5019.2	6460.3	7316.6	8172.9
1612.3	52.5°	1736.8	2604.9	3473.1	5174.0	6874.8	8138.3	9401.7
1581.7	55°	1679.0	2467.6	3256.2	5139.9	7023.5	8866.7	10709.9
1545.4	57.5°	1614.2	2274.0	2933.6	4899.8	6866.1	9382.9	11899.8
1490.0	60°	1544.1	2022.6	2501.1	4453.0	6404.8	9511.9	12618.9
1393.6	62.5°	1429.6	1721.7	2013.8	3848.7	5683.7	8968.7	12253.8
1297.7	65°	1314.6	1451.0	1587.3	3232.3	4877.3	8200.1	11522.9
1161.5	67.5°	1152.0	1190.8	1229.5	2628.4	4027.2	7285.4	10543.6
997.3	70°	953.4	942.4	931.3	2069.5	3207.6	6287.3	9367.0
847.5	72.5°	785.3	751.8	718.4	1582.1	2445.8	5205.4	7965.0
688.1	75°	618.4	588.1	557.8	1148.3	1738.7	3965.1	6191.4
538.4	77.5°	470.7	450.0	429.5	778.1	1126.8	2775.2	4423.6
396.4	80°	339.0	330.5	322.0	501.3	680.8	1788.0	2895.2
275.5	82.5°	233.3	231.6	230.1	308.3	386.8	1034.8	1683.0
168.5	85°	137.5	138.4	139.1	164.8	190.6	465.5	740.5
72.1	87.5°	59.5	60.2	61.0	68.3	75.7	152.5	229.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)