

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: P950638

Luminaire Tested: **GALN-SB5A-740-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950638  
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-SB5A-740-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

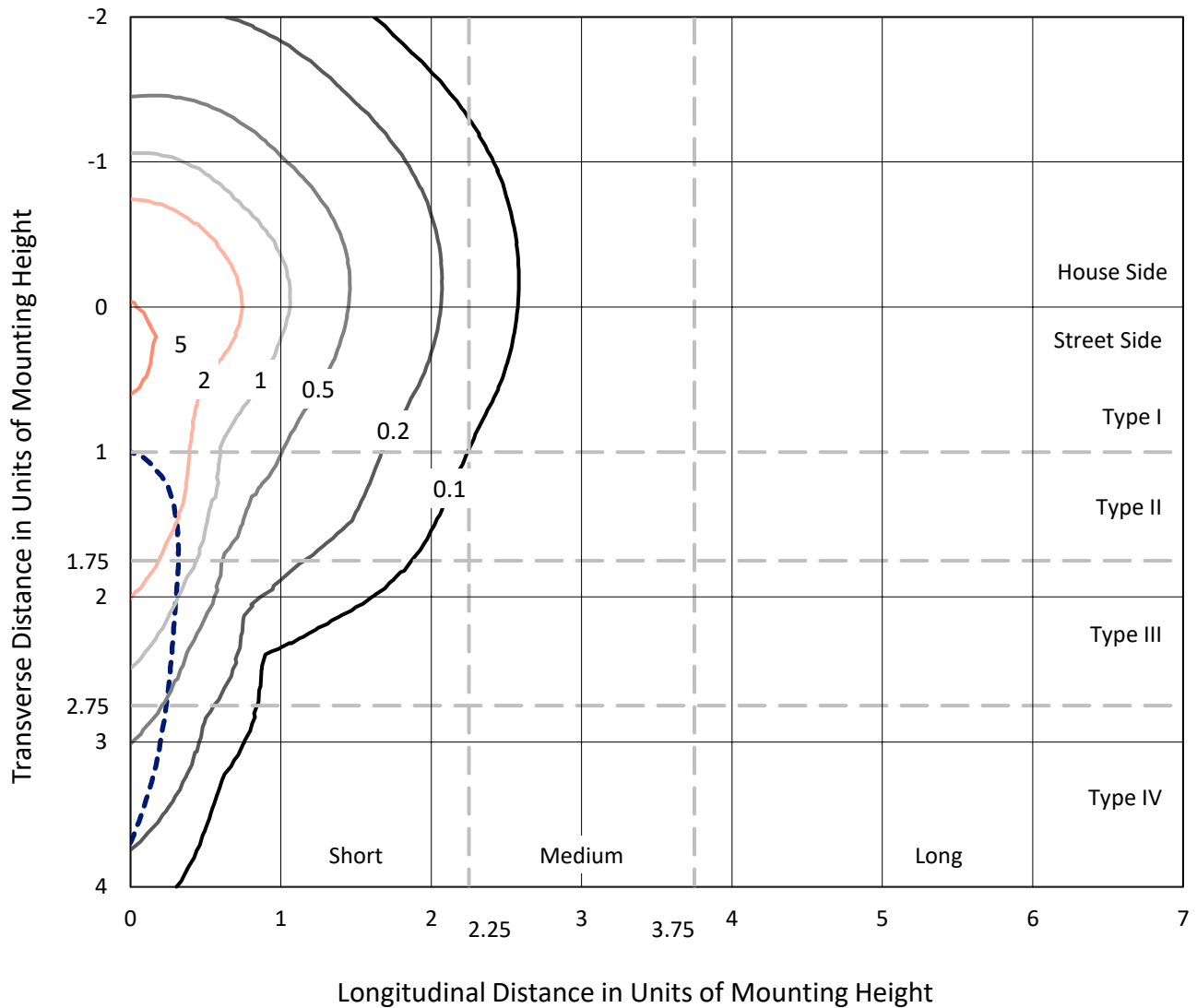
Lumens per Lamp: N/A  
Luminaire Lumens: 23887 lumens  
Efficiency: N/A  
Efficacy: 168.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

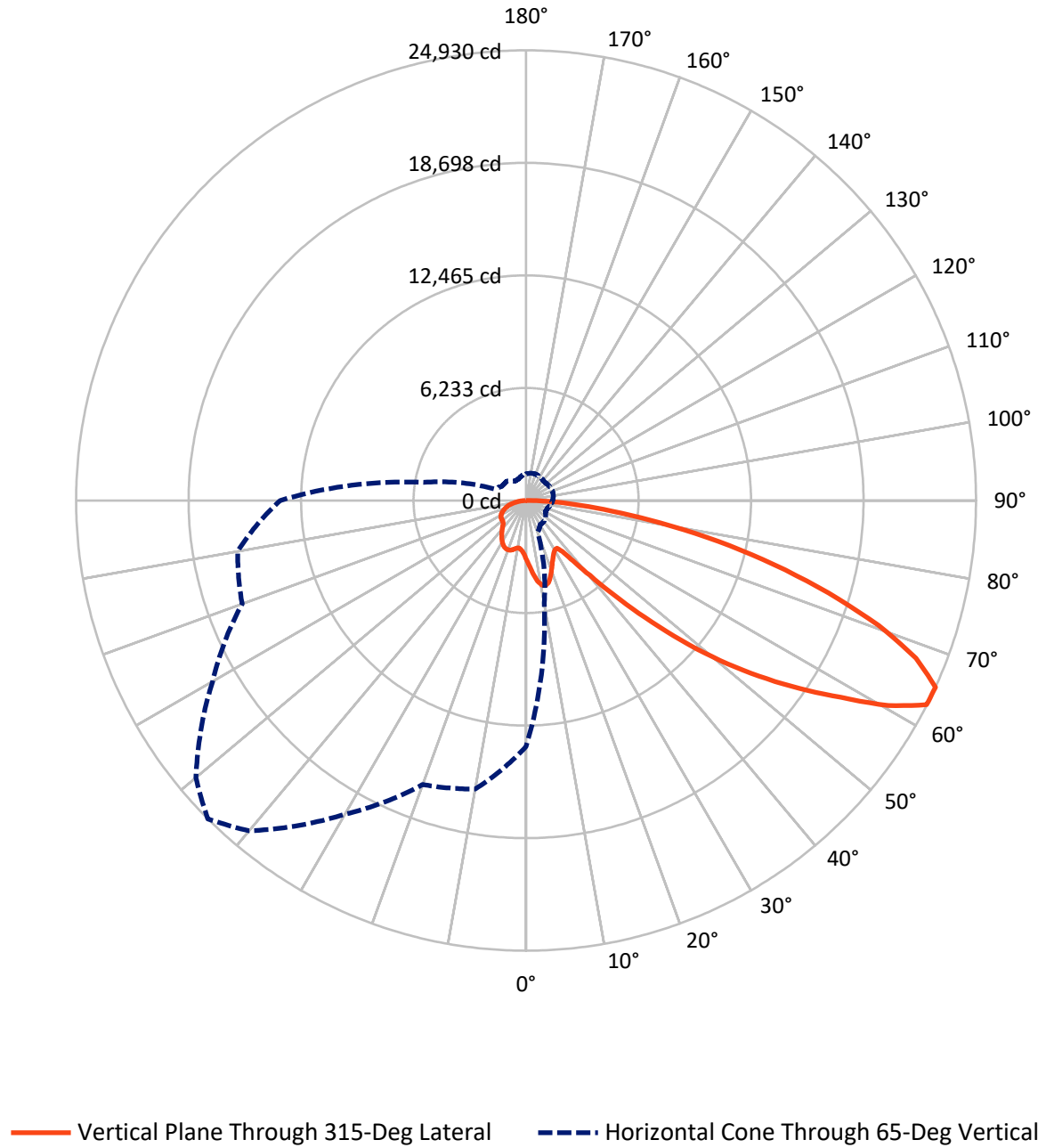
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6070.9	0.0	6070.9
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	17816.1	0.0	17816.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	23887.0	0.0	23887.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	325.8	1.4
10°-20°	1022.9	4.3
20°-30°	1580.0	6.6
30°-40°	2002.2	8.4
40°-50°	3019.9	12.6
50°-60°	4879.0	20.4
60°-70°	6082.5	25.5
70°-80°	3988.6	16.7
80°-90°	986.1	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°	23887.0	100.0
0°-180°	23887.0	100.0



REPORT NUMBER: P950638

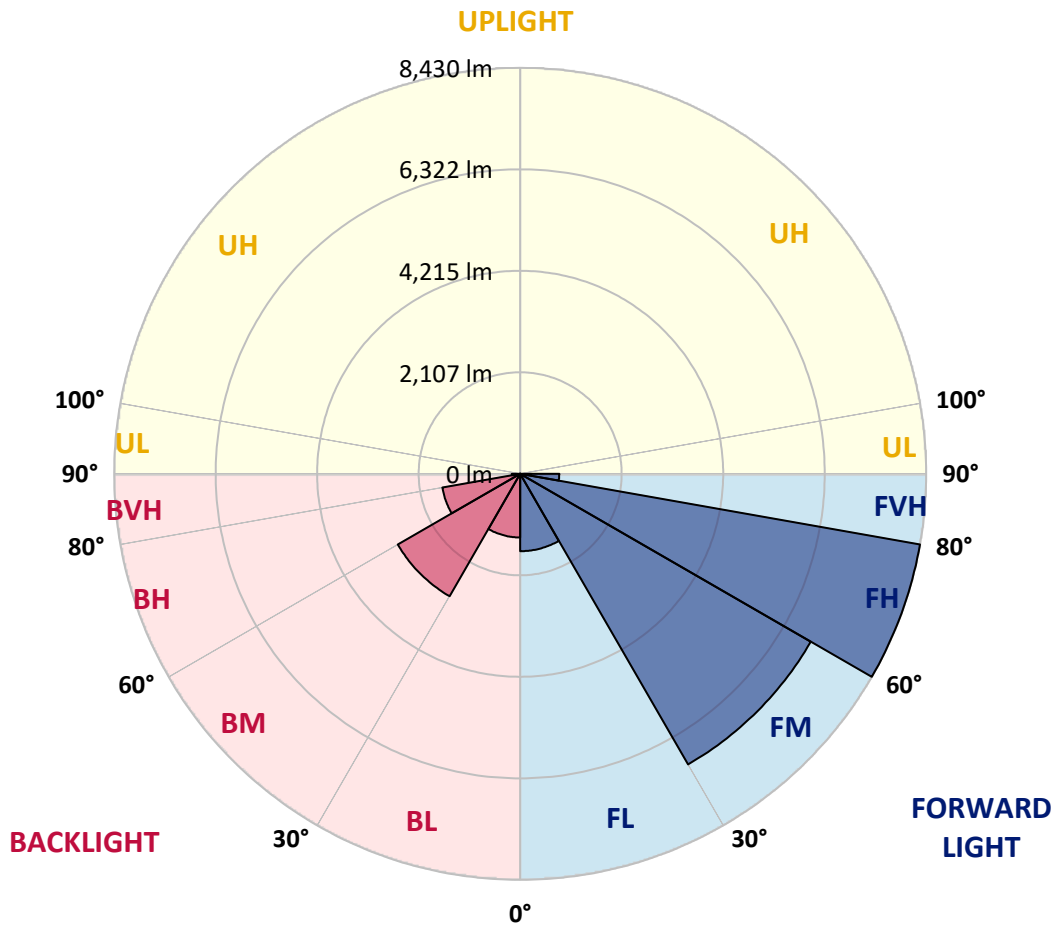
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1606.7	6.7			
FM (30°-60°)	6967.3	29.2			
FH (60°-80°)	8429.8	35.3			G4/12000
FVH (80°-90°)	812.3	3.4			G5
BL (0°-30°)	1322.0	5.5	B3/2500		
BM (30°-60°)	2933.8	12.3	B3/5000		
BH (60°-80°)	1641.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	173.8	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



REPORT NUMBER: P950638

CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
2.5°	3532.3	3505.2	3478.1	3449.3	3420.5	3391.6	3362.6	3334.8	3307.1	3280.3
5°	3798.3	3738.4	3678.6	3618.8	3559.2	3499.1	3439.1	3383.0	3326.9	3274.0
7.5°	4065.5	3966.7	3868.0	3776.7	3685.5	3596.6	3507.8	3429.5	3351.2	3279.0
10°	4270.3	4145.4	4020.5	3899.9	3779.4	3671.5	3563.5	3471.0	3378.2	3289.1
12.5°	4395.7	4258.5	4121.3	3984.7	3848.1	3720.8	3593.5	3488.7	3384.0	3290.3
15°	4472.0	4328.9	4185.9	4037.6	3889.4	3742.8	3596.2	3475.0	3353.7	3250.0
17.5°	4514.8	4369.8	4224.7	4063.0	3901.3	3731.1	3561.0	3415.1	3269.3	3147.3
20°	4562.1	4411.4	4260.5	4082.8	3905.0	3698.8	3492.6	3311.9	3131.1	2989.1
22.5°	4616.9	4462.9	4308.8	4109.5	3910.1	3659.3	3408.4	3190.8	2973.1	2811.4
25°	4687.5	4536.5	4385.6	4157.9	3930.0	3620.2	3310.5	3055.5	2800.7	2634.9
27.5°	4783.3	4639.4	4495.3	4233.5	3971.6	3594.1	3216.6	2931.9	2647.1	2496.3
30°	4912.5	4773.4	4634.3	4331.5	4028.6	3581.9	3134.9	2828.5	2522.1	2395.4
32.5°	5065.0	4927.3	4789.6	4433.7	4077.7	3566.8	3055.5	2739.4	2423.2	2321.1
35°	5250.3	5118.5	4986.5	4550.1	4113.8	3538.3	2963.0	2651.8	2340.6	2255.5
37.5°	5562.3	5394.1	5226.0	4680.6	4135.2	3489.5	2843.8	2548.7	2253.6	2179.3
40°	6033.7	5788.6	5543.6	4846.2	4148.7	3422.3	2696.0	2425.7	2155.3	2087.9
42.5°	6658.8	6305.2	5951.5	5062.9	4174.3	3353.0	2531.9	2289.9	2047.9	1985.8
45°	7430.8	6953.8	6476.7	5348.0	4219.3	3288.6	2358.0	2145.7	1933.5	1870.5
47.5°	8396.3	7724.9	7053.3	5651.7	4250.2	3235.4	2220.6	2031.7	1842.7	1761.4
50°	9661.8	8649.5	7637.2	5933.6	4230.0	3177.4	2124.8	1955.9	1787.0	1680.1
52.5°	11114.4	9620.8	8127.2	6116.6	4105.8	3079.5	2053.2	1906.0	1758.9	1636.0
55°	12661.0	10481.9	8303.1	6076.3	3849.3	2917.1	1984.9	1869.8	1754.8	1640.4
57.5°	14067.6	11092.2	8116.9	5792.4	3468.1	2688.2	1908.3	1827.0	1745.7	1644.9
60°	14917.8	11244.8	7571.6	5264.2	2956.7	2391.0	1825.3	1761.4	1697.5	1631.0
62.5°	14486.1	10602.6	6719.1	4549.9	2380.7	2035.3	1690.0	1647.5	1605.2	1597.0
65°	13622.0	9693.9	5765.8	3821.1	1876.5	1715.3	1554.1	1534.1	1514.0	1515.0
67.5°	12464.3	8612.6	4760.9	3107.2	1453.5	1407.8	1361.9	1373.1	1384.2	1381.4
70°	11073.5	7432.7	3792.0	2446.5	1101.0	1114.1	1127.1	1179.0	1230.8	1230.8
72.5°	9416.0	6153.6	2891.4	1870.3	849.3	888.7	928.3	1001.9	1075.4	1087.7
75°	7319.3	4687.4	2055.5	1357.5	659.5	695.3	731.0	813.5	895.9	952.9
77.5°	5229.5	3280.8	1332.0	919.9	507.7	532.0	556.5	636.5	716.6	810.5
80°	3422.7	2113.7	804.8	592.7	380.6	390.7	400.8	468.6	536.3	648.5
82.5°	1989.6	1223.4	457.3	364.5	272.0	273.8	275.8	325.7	375.6	471.4
85°	875.4	550.3	225.4	194.9	164.5	163.6	162.6	199.1	235.7	306.9
87.5°	271.0	180.2	89.5	80.8	72.1	71.2	70.3	85.2	100.2	129.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950638  
 CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3250.4	2.5°	3226.2	3202.1	3180.3	3158.6	3139.6	3120.6	3101.4	3082.4	3067.6	3052.7
3221.6	5°	3176.0	3130.3	3091.9	3053.8	3020.0	2986.2	2955.6	2924.8	2901.2	2877.6
3211.3	7.5°	3150.6	3089.9	3039.5	2989.1	2946.6	2904.0	2866.5	2829.0	2800.9	2772.9
3216.4	10°	3152.3	3088.3	3037.9	2987.5	2941.7	2895.8	2853.6	2811.4	2777.9	2744.2
3222.7	12.5°	3170.2	3118.0	3084.5	3051.2	3015.2	2979.4	2935.7	2892.0	2849.2	2806.3
3195.8	15°	3170.7	3145.8	3150.3	3154.8	3145.5	3136.2	3098.3	3060.3	2999.3	2938.3
3113.9	17.5°	3123.1	3132.2	3187.1	3242.1	3271.3	3300.4	3269.8	3239.3	3158.5	3077.7
2980.3	20°	3023.1	3066.0	3161.4	3256.9	3318.1	3379.2	3365.1	3350.8	3258.5	3166.2
2828.6	22.5°	2892.0	2955.4	3064.3	3173.5	3253.0	3332.6	3341.1	3349.6	3261.4	3173.1
2681.6	25°	2754.7	2827.8	2925.7	3023.8	3102.0	3180.3	3209.5	3238.7	3166.3	3094.1
2553.0	27.5°	2623.6	2694.2	2774.7	2855.1	2917.9	2980.7	3013.2	3045.8	2994.3	2942.8
2439.9	30°	2495.9	2552.1	2618.9	2685.7	2737.8	2790.0	2816.4	2842.9	2803.7	2764.4
2340.9	32.5°	2374.0	2407.2	2460.5	2513.9	2563.8	2613.9	2643.2	2672.7	2636.7	2600.5
2247.3	35°	2256.4	2265.6	2306.3	2346.9	2396.3	2445.9	2481.1	2516.4	2490.7	2465.1
2149.3	37.5°	2139.2	2129.1	2158.4	2187.5	2236.8	2286.2	2329.8	2373.4	2361.5	2349.7
2041.9	40°	2019.1	1996.3	2017.3	2038.4	2086.0	2133.6	2183.8	2234.1	2237.0	2239.8
1927.8	42.5°	1897.6	1867.3	1884.5	1901.7	1946.9	1992.1	2046.3	2100.5	2115.0	2129.5
1814.4	45°	1784.9	1755.5	1769.9	1784.5	1827.4	1870.2	1926.4	1982.6	2003.4	2024.2
1713.2	47.5°	1688.5	1663.8	1677.4	1690.9	1732.8	1774.7	1830.1	1885.6	1909.5	1933.5
1624.1	50°	1602.1	1580.3	1601.5	1622.8	1662.4	1701.8	1751.5	1801.1	1831.9	1862.7
1557.6	52.5°	1536.0	1514.4	1546.3	1578.1	1614.4	1650.5	1696.8	1743.2	1779.6	1816.0
1522.3	55°	1488.1	1453.9	1499.1	1544.3	1583.3	1622.4	1663.0	1703.5	1742.0	1780.7
1501.2	57.5°	1451.3	1401.3	1450.0	1498.6	1544.5	1590.4	1630.5	1670.7	1709.6	1748.5
1481.3	60°	1416.6	1351.8	1394.5	1437.1	1489.8	1542.5	1583.2	1624.1	1663.1	1702.2
1458.1	62.5°	1377.1	1296.3	1323.4	1350.5	1411.9	1473.4	1516.9	1560.4	1596.2	1632.0
1409.2	65°	1323.2	1237.1	1247.6	1257.9	1323.7	1389.6	1431.2	1472.8	1504.3	1535.8
1321.9	67.5°	1250.3	1178.7	1175.5	1172.2	1232.9	1293.8	1333.3	1372.6	1399.8	1427.1
1211.3	70°	1160.3	1109.4	1098.1	1086.7	1140.2	1193.6	1227.7	1261.7	1286.3	1310.8
1088.0	72.5°	1053.1	1018.2	1001.5	985.0	1027.1	1069.1	1099.8	1130.6	1154.7	1178.7
948.1	75°	921.2	894.3	878.4	862.4	893.6	924.9	952.8	980.6	1002.5	1024.5
807.9	77.5°	786.4	764.8	748.7	732.6	758.0	783.4	807.3	831.3	854.3	877.3
648.1	80°	630.1	611.9	598.4	584.8	606.0	627.1	647.2	667.4	684.9	702.3
476.7	82.5°	467.9	459.0	449.5	439.9	438.1	436.4	429.3	422.2	459.6	496.9
313.8	85°	304.4	294.9	284.2	273.5	264.4	255.2	235.7	216.2	251.1	286.1
138.6	87.5°	134.9	131.1	129.1	127.1	126.7	126.3	111.4	96.4	111.0	125.8
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: P950638  
 CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3040.8	2.5°	3028.8	3019.5	3010.1	3001.6	2992.9	2982.2	2992.9	3001.6	3010.1	3019.5
2861.0	5°	2844.5	2832.8	2821.1	2812.1	2803.2	2794.4	2803.2	2812.1	2821.1	2832.8
2753.3	7.5°	2733.6	2720.1	2706.8	2698.7	2690.8	2684.7	2690.8	2698.7	2706.8	2720.1
2722.3	10°	2700.1	2687.4	2674.6	2667.8	2661.0	2658.2	2661.0	2667.8	2674.6	2687.4
2778.0	12.5°	2749.6	2735.4	2721.3	2715.5	2709.7	2708.7	2709.7	2715.5	2721.3	2735.4
2895.2	15°	2852.1	2832.3	2812.6	2805.1	2797.5	2796.9	2797.5	2805.1	2812.6	2832.3
3014.2	17.5°	2950.7	2921.4	2892.0	2882.5	2872.8	2871.2	2872.8	2882.5	2892.0	2921.4
3088.3	20°	3010.5	2973.1	2935.5	2923.6	2911.6	2907.8	2911.6	2923.6	2935.5	2973.1
3093.0	22.5°	3012.7	2973.2	2933.6	2920.4	2907.2	2901.5	2907.2	2920.4	2933.6	2973.2
3022.8	25°	2951.7	2917.4	2883.2	2870.7	2858.4	2851.1	2858.4	2870.7	2883.2	2917.4
2887.5	27.5°	2832.2	2809.2	2786.2	2780.5	2774.8	2772.9	2774.8	2780.5	2786.2	2809.2
2724.8	30°	2685.0	2673.2	2661.4	2661.4	2661.4	2663.3	2661.4	2661.4	2661.4	2673.2
2568.9	32.5°	2537.2	2529.5	2521.9	2522.9	2524.0	2525.9	2524.0	2522.9	2521.9	2529.5
2435.9	35°	2406.8	2395.1	2383.5	2380.9	2378.4	2377.2	2378.4	2380.9	2383.5	2395.1
2322.8	37.5°	2295.9	2274.6	2253.4	2242.2	2231.0	2224.7	2231.0	2242.2	2253.4	2274.6
2217.0	40°	2194.1	2163.1	2132.4	2111.5	2090.8	2078.4	2090.8	2111.5	2132.4	2163.1
2110.2	42.5°	2091.0	2052.6	2014.2	1983.8	1953.4	1933.5	1953.4	1983.8	2014.2	2052.6
2006.8	45°	1989.6	1945.6	1901.7	1866.1	1830.4	1807.4	1830.4	1866.1	1901.7	1945.6
1921.4	47.5°	1909.3	1870.2	1831.1	1798.1	1765.2	1743.2	1765.2	1798.1	1831.1	1870.2
1861.9	50°	1861.4	1830.1	1798.9	1768.4	1737.9	1716.7	1737.9	1768.4	1798.9	1830.1
1822.6	52.5°	1829.1	1803.7	1778.2	1750.9	1723.6	1704.1	1723.6	1750.9	1778.2	1803.7
1789.8	55°	1798.9	1776.7	1754.5	1730.6	1706.6	1689.0	1706.6	1730.6	1754.5	1776.7
1757.7	57.5°	1766.9	1744.4	1722.0	1698.3	1674.5	1656.2	1674.5	1698.3	1722.0	1744.4
1712.3	60°	1722.4	1700.4	1678.6	1654.2	1629.7	1610.8	1629.7	1654.2	1678.6	1700.4
1641.7	62.5°	1651.4	1631.6	1611.8	1586.1	1560.4	1537.7	1560.4	1586.1	1611.8	1631.6
1545.8	65°	1555.6	1536.6	1517.6	1492.6	1467.8	1448.2	1467.8	1492.6	1517.6	1536.6
1436.8	67.5°	1446.3	1428.8	1411.4	1388.2	1365.0	1347.4	1365.0	1388.2	1411.4	1428.8
1320.2	70°	1329.5	1315.3	1301.0	1278.8	1256.6	1236.5	1256.6	1278.8	1301.0	1315.3
1189.8	72.5°	1200.9	1189.1	1177.2	1156.1	1135.0	1115.5	1135.0	1156.1	1177.2	1189.1
1036.1	75°	1047.7	1041.9	1036.1	1018.3	1000.5	981.9	1000.5	1018.3	1036.1	1041.9
888.1	77.5°	898.9	890.9	882.5	864.7	846.8	831.9	846.8	864.7	882.5	890.9
716.7	80°	731.0	727.5	724.1	700.0	675.8	647.9	675.8	700.0	724.1	727.5
521.3	82.5°	545.8	544.3	542.6	522.3	501.9	484.0	501.9	522.3	542.6	544.3
316.4	85°	346.6	344.1	341.6	325.7	309.8	293.7	309.8	325.7	341.6	344.1
138.0	87.5°	150.2	147.2	143.9	135.9	127.6	119.7	127.6	135.9	143.9	147.2
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: P950638  
 CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3028.8	2.5°	3040.8	3052.7	3067.6	3082.4	3101.4	3120.6	3139.6	3158.6	3180.3	3202.1
2844.5	5°	2861.0	2877.6	2901.2	2924.8	2955.6	2986.2	3020.0	3053.8	3091.9	3130.3
2733.6	7.5°	2753.3	2772.9	2800.9	2829.0	2866.5	2904.0	2946.6	2989.1	3039.5	3089.9
2700.1	10°	2722.3	2744.2	2777.9	2811.4	2853.6	2895.8	2941.7	2987.5	3037.9	3088.3
2749.6	12.5°	2778.0	2806.3	2849.2	2892.0	2935.7	2979.4	3015.2	3051.2	3084.5	3118.0
2852.1	15°	2895.2	2938.3	2999.3	3060.3	3098.3	3136.2	3145.5	3154.8	3150.3	3145.8
2950.7	17.5°	3014.2	3077.7	3158.5	3239.3	3269.8	3300.4	3271.3	3242.1	3187.1	3132.2
3010.5	20°	3088.3	3166.2	3258.5	3350.8	3365.1	3379.2	3318.1	3256.9	3161.4	3066.0
3012.7	22.5°	3093.0	3173.1	3261.4	3349.6	3341.1	3332.6	3253.0	3173.5	3064.3	2955.4
2951.7	25°	3022.8	3094.1	3166.3	3238.7	3209.5	3180.3	3102.0	3023.8	2925.7	2827.8
2832.2	27.5°	2887.5	2942.8	2994.3	3045.8	3013.2	2980.7	2917.9	2855.1	2774.7	2694.2
2685.0	30°	2724.8	2764.4	2803.7	2842.9	2816.4	2790.0	2737.8	2685.7	2618.9	2552.1
2537.2	32.5°	2568.9	2600.5	2636.7	2672.7	2643.2	2613.9	2563.8	2513.9	2460.5	2407.2
2406.8	35°	2435.9	2465.1	2490.7	2516.4	2481.1	2445.9	2396.3	2346.9	2306.3	2265.6
2295.9	37.5°	2322.8	2349.7	2361.5	2373.4	2329.8	2286.2	2236.8	2187.5	2158.4	2129.1
2194.1	40°	2217.0	2239.8	2237.0	2234.1	2183.8	2133.6	2086.0	2038.4	2017.3	1996.3
2091.0	42.5°	2110.2	2129.5	2115.0	2100.5	2046.3	1992.1	1946.9	1901.7	1884.5	1867.3
1989.6	45°	2006.8	2024.2	2003.4	1982.6	1926.4	1870.2	1827.4	1784.5	1769.9	1755.5
1909.3	47.5°	1921.4	1933.5	1909.5	1885.6	1830.1	1774.7	1732.8	1690.9	1677.4	1663.8
1861.4	50°	1861.9	1862.7	1831.9	1801.1	1751.5	1701.8	1662.4	1622.8	1601.5	1580.3
1829.1	52.5°	1822.6	1816.0	1779.6	1743.2	1696.8	1650.5	1614.4	1578.1	1546.3	1514.4
1798.9	55°	1789.8	1780.7	1742.0	1703.5	1663.0	1622.4	1583.3	1544.3	1499.1	1453.9
1766.9	57.5°	1757.7	1748.5	1709.6	1670.7	1630.5	1590.4	1544.5	1498.6	1450.0	1401.3
1722.4	60°	1712.3	1702.2	1663.1	1624.1	1583.2	1542.5	1489.8	1437.1	1394.5	1351.8
1651.4	62.5°	1641.7	1632.0	1596.2	1560.4	1516.9	1473.4	1411.9	1350.5	1323.4	1296.3
1555.6	65°	1545.8	1535.8	1504.3	1472.8	1431.2	1389.6	1323.7	1257.9	1247.6	1237.1
1446.3	67.5°	1436.8	1427.1	1399.8	1372.6	1333.3	1293.8	1232.9	1172.2	1175.5	1178.7
1329.5	70°	1320.2	1310.8	1286.3	1261.7	1227.7	1193.6	1140.2	1086.7	1098.1	1109.4
1200.9	72.5°	1189.8	1178.7	1154.7	1130.6	1099.8	1069.1	1027.1	985.0	1001.5	1018.2
1047.7	75°	1036.1	1024.5	1002.5	980.6	952.8	924.9	893.6	862.4	878.4	894.3
898.9	77.5°	888.1	877.3	854.3	831.3	807.3	783.4	758.0	732.6	748.7	764.8
731.0	80°	716.7	702.3	684.9	667.4	647.2	627.1	606.0	584.8	598.4	611.9
545.8	82.5°	521.3	496.9	459.6	422.2	429.3	436.4	438.1	439.9	449.5	459.0
346.6	85°	316.4	286.1	251.1	216.2	235.7	255.2	264.4	273.5	284.2	294.9
150.2	87.5°	138.0	125.8	111.0	96.4	111.4	126.3	126.7	127.1	129.1	131.1
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: P950638  
 CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3226.2	2.5°	3250.4	3280.3	3307.1	3334.8	3362.6	3391.6	3420.5	3449.3	3478.1	3505.2
3176.0	5°	3221.6	3274.0	3326.9	3383.0	3439.1	3499.1	3559.2	3618.8	3678.6	3738.4
3150.6	7.5°	3211.3	3279.0	3351.2	3429.5	3507.8	3596.6	3685.5	3776.7	3868.0	3966.7
3152.3	10°	3216.4	3289.1	3378.2	3471.0	3563.5	3671.5	3779.4	3899.9	4020.5	4145.4
3170.2	12.5°	3222.7	3290.3	3384.0	3488.7	3593.5	3720.8	3848.1	3984.7	4121.3	4258.5
3170.7	15°	3195.8	3250.0	3353.7	3475.0	3596.2	3742.8	3889.4	4037.6	4185.9	4328.9
3123.1	17.5°	3113.9	3147.3	3269.3	3415.1	3561.0	3731.1	3901.3	4063.0	4224.7	4369.8
3023.1	20°	2980.3	2989.1	3131.1	3311.9	3492.6	3698.8	3905.0	4082.8	4260.5	4411.4
2892.0	22.5°	2828.6	2811.4	2973.1	3190.8	3408.4	3659.3	3910.1	4109.5	4308.8	4462.9
2754.7	25°	2681.6	2634.9	2800.7	3055.5	3310.5	3620.2	3930.0	4157.9	4385.6	4536.5
2623.6	27.5°	2553.0	2496.3	2647.1	2931.9	3216.6	3594.1	3971.6	4233.5	4495.3	4639.4
2495.9	30°	2439.9	2395.4	2522.1	2828.5	3134.9	3581.9	4028.6	4331.5	4634.3	4773.4
2374.0	32.5°	2340.9	2321.1	2423.2	2739.4	3055.5	3566.8	4077.7	4433.7	4789.6	4927.3
2256.4	35°	2247.3	2255.5	2340.6	2651.8	2963.0	3538.3	4113.8	4550.1	4986.5	5118.5
2139.2	37.5°	2149.3	2179.3	2253.6	2548.7	2843.8	3489.5	4135.2	4680.6	5226.0	5394.1
2019.1	40°	2041.9	2087.9	2155.3	2425.7	2696.0	3422.3	4148.7	4846.2	5543.6	5788.6
1897.6	42.5°	1927.8	1985.8	2047.9	2289.9	2531.9	3353.0	4174.3	5062.9	5951.5	6305.2
1784.9	45°	1814.4	1870.5	1933.5	2145.7	2358.0	3288.6	4219.3	5348.0	6476.7	6953.8
1688.5	47.5°	1713.2	1761.4	1842.7	2031.7	2220.6	3235.4	4250.2	5651.7	7053.3	7724.9
1602.1	50°	1624.1	1680.1	1787.0	1955.9	2124.8	3177.4	4230.0	5933.6	7637.2	8649.5
1536.0	52.5°	1557.6	1636.0	1758.9	1906.0	2053.2	3079.5	4105.8	6116.6	8127.2	9620.8
1488.1	55°	1522.3	1640.4	1754.8	1869.8	1984.9	2917.1	3849.3	6076.3	8303.1	10481.9
1451.3	57.5°	1501.2	1644.9	1745.7	1827.0	1908.3	2688.2	3468.1	5792.4	8116.9	11092.2
1416.6	60°	1481.3	1631.0	1697.5	1761.4	1825.3	2391.0	2956.7	5264.2	7571.6	11244.8
1377.1	62.5°	1458.1	1597.0	1605.2	1647.5	1690.0	2035.3	2380.7	4549.9	6719.1	10602.6
1323.2	65°	1409.2	1515.0	1514.0	1534.1	1554.1	1715.3	1876.5	3821.1	5765.8	9693.9
1250.3	67.5°	1321.9	1381.4	1384.2	1373.1	1361.9	1407.8	1453.5	3107.2	4760.9	8612.6
1160.3	70°	1211.3	1230.8	1230.8	1179.0	1127.1	1114.1	1101.0	2446.5	3792.0	7432.7
1053.1	72.5°	1088.0	1087.7	1075.4	1001.9	928.3	888.7	849.3	1870.3	2891.4	6153.6
921.2	75°	948.1	952.9	895.9	813.5	731.0	695.3	659.5	1357.5	2055.5	4687.4
786.4	77.5°	807.9	810.5	716.6	636.5	556.5	532.0	507.7	919.9	1332.0	3280.8
630.1	80°	648.1	648.5	536.3	468.6	400.8	390.7	380.6	592.7	804.8	2113.7
467.9	82.5°	476.7	471.4	375.6	325.7	275.8	273.8	272.0	364.5	457.3	1223.4
304.4	85°	313.8	306.9	235.7	199.1	162.6	163.6	164.5	194.9	225.4	550.3
134.9	87.5°	138.6	129.8	100.2	85.2	70.3	71.2	72.1	80.8	89.5	180.2
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: P950638  
 CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3532.3	2.5°	3545.7	3559.2	3578.2	3597.3	3608.6	3619.9	3625.6	3631.3	3628.8	3631.3
3798.3	5°	3845.1	3891.9	3938.3	3984.8	4010.0	4035.3	4050.5	4065.9	4077.5	4065.9
4065.5	7.5°	4141.6	4217.6	4286.1	4354.5	4395.7	4436.9	4459.3	4481.4	4492.2	4481.4
4270.3	10°	4360.3	4450.3	4530.6	4610.9	4659.5	4707.9	4729.6	4751.2	4759.4	4751.2
4395.7	12.5°	4493.3	4590.7	4663.3	4735.7	4771.0	4806.3	4818.1	4829.9	4831.2	4829.9
4472.0	15°	4556.2	4640.3	4685.8	4731.4	4732.6	4733.9	4721.3	4708.7	4693.8	4708.7
4514.8	17.5°	4571.7	4628.5	4629.4	4630.2	4579.1	4528.1	4481.3	4434.4	4401.4	4434.4
4562.1	20°	4581.9	4601.8	4541.9	4482.1	4369.4	4256.7	4174.7	4092.6	4042.2	4092.6
4616.9	22.5°	4591.0	4565.0	4441.0	4317.0	4151.2	3985.5	3882.9	3780.3	3724.6	3780.3
4687.5	25°	4605.6	4523.7	4335.4	4147.1	3945.8	3744.5	3636.6	3528.9	3476.3	3528.9
4783.3	27.5°	4636.9	4490.3	4240.8	3991.5	3768.4	3545.3	3439.2	3333.2	3283.4	3333.2
4912.5	30°	4694.1	4475.8	4168.7	3861.7	3629.3	3396.8	3298.4	3200.0	3153.6	3200.0
5065.0	32.5°	4765.9	4466.9	4119.6	3772.2	3553.8	3335.3	3258.1	3180.7	3147.3	3180.7
5250.3	35°	4884.3	4518.4	4156.4	3794.5	3642.8	3491.1	3473.1	3455.1	3452.3	3455.1
5562.3	37.5°	5131.7	4701.1	4372.2	4043.2	4033.4	4023.5	4106.0	4188.4	4231.2	4188.4
6033.7	40°	5565.4	5097.2	4852.5	4607.9	4780.5	4953.2	5153.6	5354.0	5453.9	5354.0
6658.8	42.5°	6194.2	5729.6	5588.7	5447.8	5824.4	6201.0	6565.6	6930.1	7144.1	6930.1
7430.8	45°	7013.5	6596.1	6533.9	6471.7	7075.0	7678.5	8277.5	8876.5	9240.2	8876.5
8396.3	47.5°	7990.3	7584.2	7571.6	7559.0	8429.5	9299.7	10176.5	11053.3	11568.2	11053.3
9661.8	50°	9160.3	8658.9	8661.0	8663.2	9784.9	10906.7	12064.2	13221.6	13921.4	13221.6
11114.4	52.5°	10507.2	9900.0	9838.6	9777.1	11117.1	12457.0	13889.1	15321.1	16159.9	15321.1
12661.0	55°	12061.0	11461.0	11221.7	10982.3	12473.7	13964.9	15672.1	17379.4	18377.0	17379.4
14067.6	57.5°	13740.9	13414.1	12934.0	12454.0	13959.8	15465.7	17399.4	19333.0	20570.1	19333.0
14917.8	60°	15425.2	15932.8	15336.6	14740.4	16165.5	17590.5	19660.9	21731.2	23068.3	21731.2
14486.1	62.5°	15872.7	17259.3	17192.1	17124.8	18430.2	19735.7	21705.5	23675.2	24911.0	23675.2
13622.0	65°	14923.4	16224.8	16482.3	16739.7	18398.7	20057.8	21967.8	23877.7	24930.0	23877.7
12464.3	67.5°	13702.1	14939.8	15060.6	15181.2	16909.7	18638.2	20556.4	22474.6	23299.0	22474.6
11073.5	70°	12419.7	13766.1	13820.1	13874.1	15419.9	16965.6	18616.4	20267.0	20725.2	20267.0
9416.0	72.5°	10960.9	12505.9	12544.8	12583.5	13792.8	15002.2	16238.6	17474.8	17521.2	17474.8
7319.3	75°	8918.3	10517.2	10660.8	10804.4	11745.3	12686.2	13556.5	14426.8	14193.6	14426.8
5229.5	77.5°	6722.1	8214.8	8420.3	8625.7	9341.0	10056.3	10673.5	11290.9	10890.1	11290.9
3422.7	80°	4678.4	5934.1	6189.4	6444.8	6985.0	7525.0	7849.2	8173.2	7528.5	8173.2
1989.6	82.5°	2848.1	3706.7	3991.9	4277.3	4649.1	5020.9	5156.1	5291.3	4784.6	5291.3
875.4	85°	1331.0	1786.7	2029.3	2271.9	2577.4	2882.8	2959.6	3036.4	2630.5	3036.4
271.0	87.5°	424.1	577.3	712.6	848.0	1000.8	1153.5	1160.1	1166.5	979.4	1166.5
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: P950638  
 CATALOG NUMBER: GALN-SB5A-740-U-SLR

**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
3284.7	0°	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7	3284.7
3625.6	2.5°	3619.9	3608.6	3597.3	3578.2	3559.2	3545.7	3532.3
4050.5	5°	4035.3	4010.0	3984.8	3938.3	3891.9	3845.1	3798.3
4459.3	7.5°	4436.9	4395.7	4354.5	4286.1	4217.6	4141.6	4065.5
4729.6	10°	4707.9	4659.5	4610.9	4530.6	4450.3	4360.3	4270.3
4818.1	12.5°	4806.3	4771.0	4735.7	4663.3	4590.7	4493.3	4395.7
4721.3	15°	4733.9	4732.6	4731.4	4685.8	4640.3	4556.2	4472.0
4481.3	17.5°	4528.1	4579.1	4630.2	4629.4	4628.5	4571.7	4514.8
4174.7	20°	4256.7	4369.4	4482.1	4541.9	4601.8	4581.9	4562.1
3882.9	22.5°	3985.5	4151.2	4317.0	4441.0	4565.0	4591.0	4616.9
3636.6	25°	3744.5	3945.8	4147.1	4335.4	4523.7	4605.6	4687.5
3439.2	27.5°	3545.3	3768.4	3991.5	4240.8	4490.3	4636.9	4783.3
3298.4	30°	3396.8	3629.3	3861.7	4168.7	4475.8	4694.1	4912.5
3258.1	32.5°	3335.3	3553.8	3772.2	4119.6	4466.9	4765.9	5065.0
3473.1	35°	3491.1	3642.8	3794.5	4156.4	4518.4	4884.3	5250.3
4106.0	37.5°	4023.5	4033.4	4043.2	4372.2	4701.1	5131.7	5562.3
5153.6	40°	4953.2	4780.5	4607.9	4852.5	5097.2	5565.4	6033.7
6565.6	42.5°	6201.0	5824.4	5447.8	5588.7	5729.6	6194.2	6658.8
8277.5	45°	7678.5	7075.0	6471.7	6533.9	6596.1	7013.5	7430.8
10176.5	47.5°	9299.7	8429.5	7559.0	7571.6	7584.2	7990.3	8396.3
12064.2	50°	10906.7	9784.9	8663.2	8661.0	8658.9	9160.3	9661.8
13889.1	52.5°	12457.0	11117.1	9777.1	9838.6	9900.0	10507.2	11114.4
15672.1	55°	13964.9	12473.7	10982.3	11221.7	11461.0	12061.0	12661.0
17399.4	57.5°	15465.7	13959.8	12454.0	12934.0	13414.1	13740.9	14067.6
19660.9	60°	17590.5	16165.5	14740.4	15336.6	15932.8	15425.2	14917.8
21705.5	62.5°	19735.7	18430.2	17124.8	17192.1	17259.3	15872.7	14486.1
21967.8	65°	20057.8	18398.7	16739.7	16482.3	16224.8	14923.4	13622.0
20556.4	67.5°	18638.2	16909.7	15181.2	15060.6	14939.8	13702.1	12464.3
18616.4	70°	16965.6	15419.9	13874.1	13820.1	13766.1	12419.7	11073.5
16238.6	72.5°	15002.2	13792.8	12583.5	12544.8	12505.9	10960.9	9416.0
13556.5	75°	12686.2	11745.3	10804.4	10660.8	10517.2	8918.3	7319.3
10673.5	77.5°	10056.3	9341.0	8625.7	8420.3	8214.8	6722.1	5229.5
7849.2	80°	7525.0	6985.0	6444.8	6189.4	5934.1	4678.4	3422.7
5156.1	82.5°	5020.9	4649.1	4277.3	3991.9	3706.7	2848.1	1989.6
2959.6	85°	2882.8	2577.4	2271.9	2029.3	1786.7	1331.0	875.4
1160.1	87.5°	1153.5	1000.8	848.0	712.6	577.3	424.1	271.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)