

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: P949481

Luminaire Tested: **GALN-SB4B-722-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949481
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-722-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18576 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

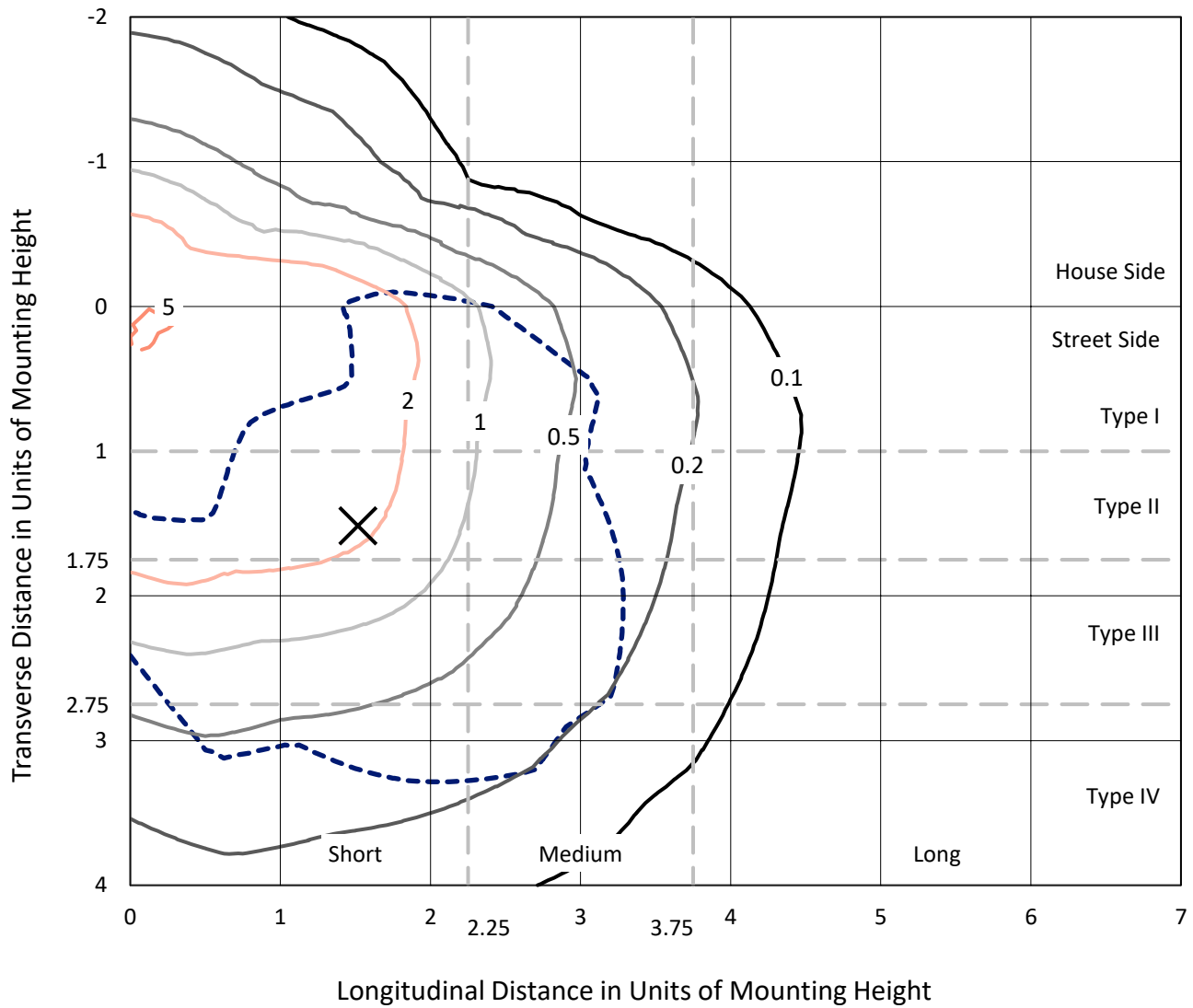
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

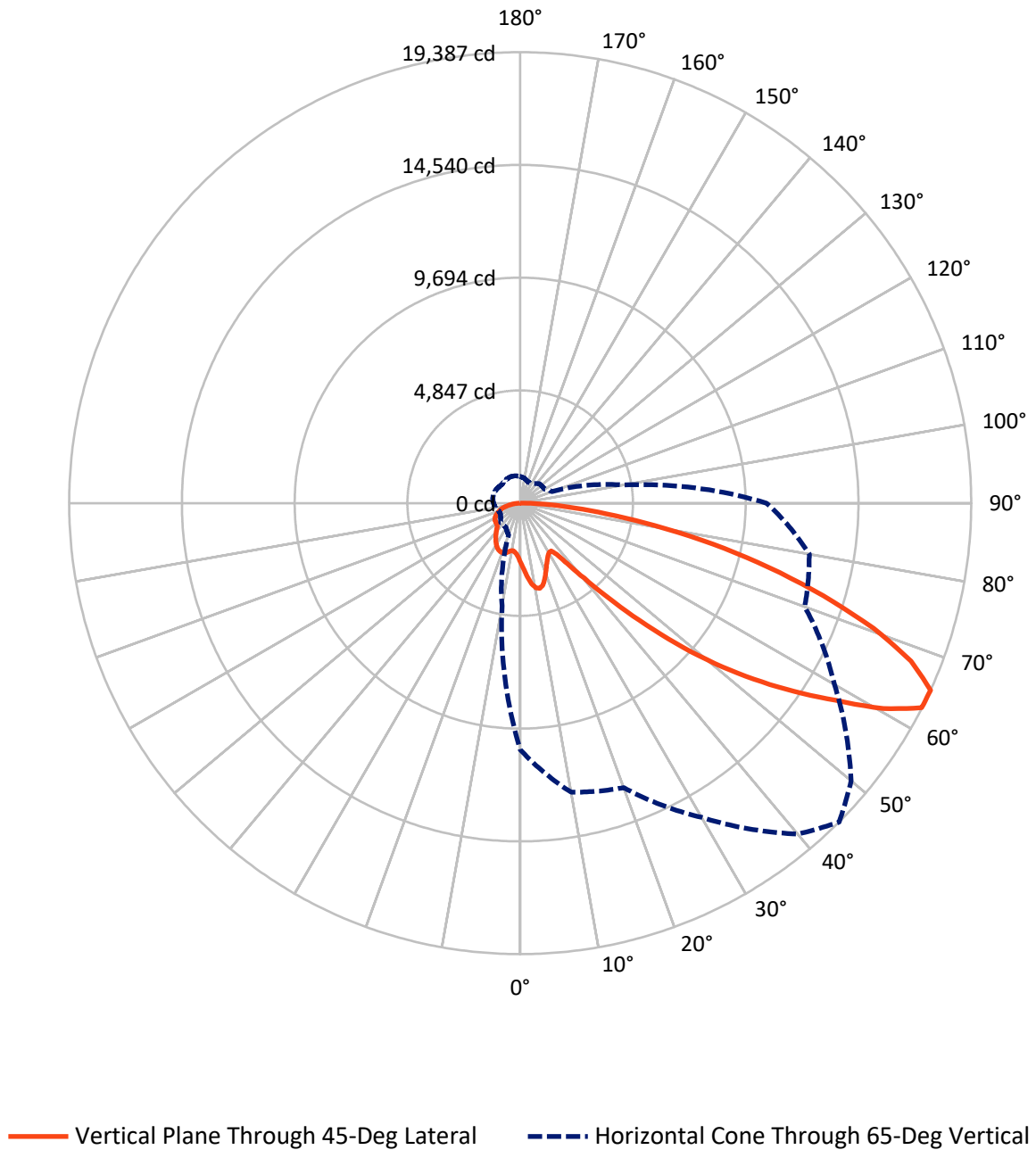
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4721.1	0.0	4721.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13854.9	0.0	13854.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	18576.0	0.0	18576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.4	1.4
10°-20°	795.4	4.3
20°-30°	1228.7	6.6
30°-40°	1557.1	8.4
40°-50°	2348.4	12.6
50°-60°	3794.2	20.4
60°-70°	4730.1	25.5
70°-80°	3101.8	16.7
80°-90°	766.8	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°	18576.0	100.0
0°-180°	18576.0	100.0

Coefficient of Utilization



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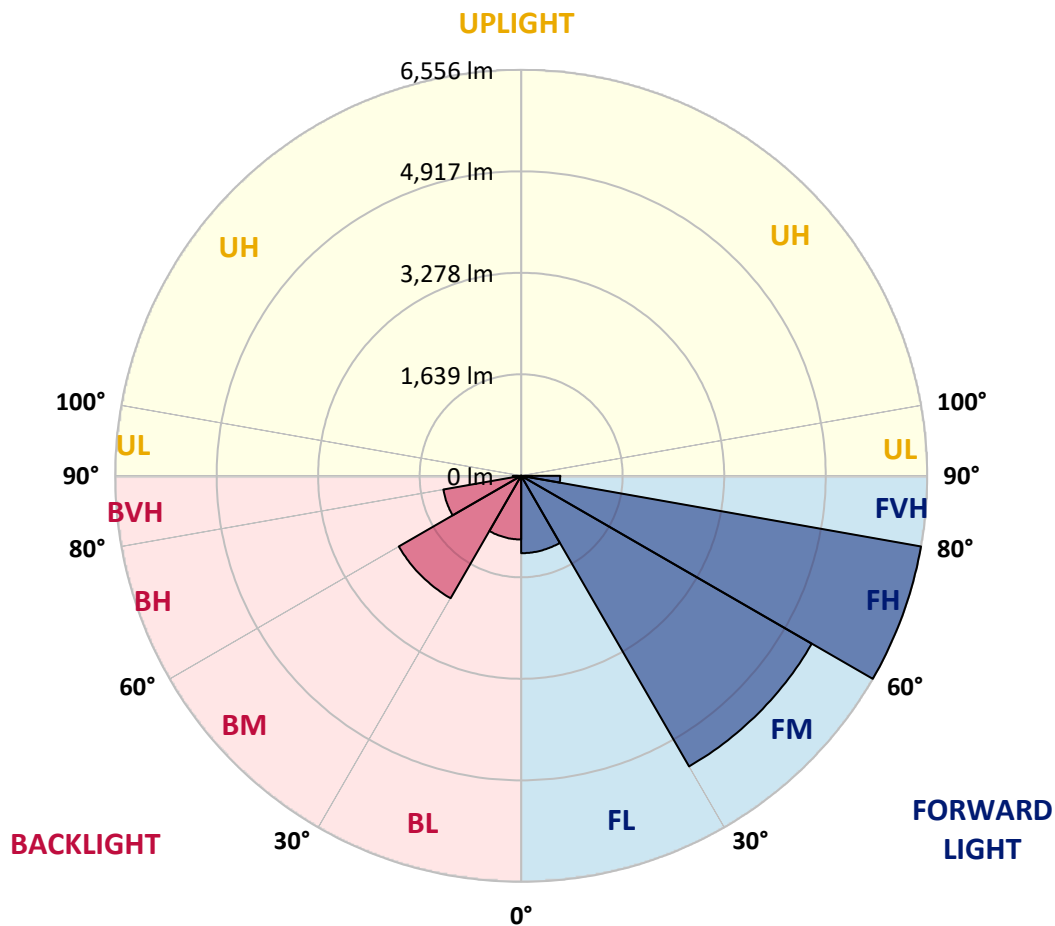
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1249.4	6.7			
FM	(30°-60°)	5418.2	29.2			
FH	(60°-80°)	6555.5	35.3			G3/7500
FVH	(80°-90°)	631.7	3.4			G4/750
BL	(0°-30°)	1028.1	5.5	B3/2500		
BM	(30°-60°)	2281.5	12.3	B2/2500		
BH	(60°-80°)	1276.4	6.9	B3/2500		G3/2500
BVH	(80°-90°)	135.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2747.0	2757.4	2767.8	2782.6	2797.4	2806.3	2815.1	2819.5	2823.9	2822.0	2823.9
5°	2953.8	2990.1	3026.6	3062.7	3098.9	3118.5	3138.1	3149.9	3161.9	3170.9	3161.9
7.5°	3161.6	3220.8	3279.9	3333.1	3386.3	3418.4	3450.4	3467.8	3485.0	3493.4	3485.0
10°	3320.9	3390.8	3460.8	3523.3	3585.7	3623.5	3661.2	3678.0	3694.8	3701.2	3694.8
12.5°	3418.4	3494.3	3570.0	3626.5	3682.7	3710.2	3737.6	3746.9	3756.1	3757.0	3756.1
15°	3477.7	3543.2	3608.5	3643.9	3679.4	3680.4	3681.4	3671.6	3661.8	3650.2	3661.8
17.5°	3511.0	3555.2	3599.4	3600.1	3600.7	3561.0	3521.3	3484.9	3448.5	3422.8	3448.5
20°	3547.8	3563.2	3578.7	3532.1	3485.5	3397.9	3310.3	3246.5	3182.7	3143.5	3182.7
22.5°	3590.4	3570.2	3550.0	3453.6	3357.1	3228.2	3099.3	3019.6	2939.8	2896.4	2939.8
25°	3645.3	3581.6	3517.9	3371.4	3225.0	3068.5	2911.9	2828.0	2744.3	2703.3	2744.3
27.5°	3719.8	3605.9	3491.9	3297.9	3104.0	2930.6	2757.1	2674.5	2592.1	2553.4	2592.1
30°	3820.3	3650.4	3480.6	3241.9	3003.1	2822.3	2641.6	2565.0	2488.5	2452.4	2488.5
32.5°	3938.9	3706.3	3473.8	3203.6	2933.5	2763.6	2593.8	2533.7	2473.5	2447.5	2473.5
35°	4083.0	3798.3	3513.8	3232.3	2950.8	2832.8	2714.9	2700.9	2686.9	2684.7	2686.9
37.5°	4325.6	3990.7	3655.9	3400.1	3144.2	3136.6	3128.9	3193.0	3257.2	3290.5	3257.2
40°	4692.1	4328.0	3963.9	3773.6	3583.4	3717.6	3851.9	4007.8	4163.6	4241.3	4163.6
42.5°	5178.3	4817.0	4455.7	4346.1	4236.6	4529.4	4822.3	5105.8	5389.2	5555.7	5389.2
45°	5778.7	5454.1	5129.5	5081.2	5032.8	5502.0	5971.3	6437.1	6902.9	7185.7	6902.9
47.5°	6529.5	6213.8	5898.0	5888.2	5878.4	6555.3	7232.0	7913.9	8595.7	8996.1	8595.7
50°	7513.6	7123.6	6733.7	6735.3	6737.0	7609.4	8481.7	9381.8	10281.9	10826.1	10281.9
52.5°	8643.3	8171.0	7698.9	7651.1	7603.3	8645.3	9687.4	10801.0	11914.6	12566.9	11914.6
55°	9846.0	9379.4	8912.8	8726.7	8540.5	9700.3	10860.0	12187.6	13515.3	14291.1	13515.3
57.5°	10939.8	10685.8	10431.6	10058.3	9685.0	10856.0	12027.1	13530.9	15034.6	15996.6	15034.6
60°	11601.0	11995.6	12390.3	11926.7	11463.1	12571.3	13679.5	15289.5	16899.6	17939.3	16899.6
62.5°	11265.3	12343.6	13421.9	13369.6	13317.3	14332.4	15347.7	16879.6	18411.3	19372.4	18411.3
65°	10593.3	11605.4	12617.4	12817.7	13017.8	14307.9	15598.2	17083.5	18568.8	19387.1	18568.8
67.5°	9693.0	10655.6	11618.1	11712.0	11805.8	13150.1	14494.2	15985.9	17477.7	18118.7	17477.7
70°	8611.4	9658.3	10705.4	10747.3	10789.4	11991.5	13193.5	14477.2	15760.9	16117.2	15760.9
72.5°	7322.5	8523.9	9725.4	9755.6	9785.7	10726.2	11666.6	12628.1	13589.5	13625.5	13589.5
75°	5691.9	6935.4	8178.9	8290.5	8402.1	9133.8	9865.6	10542.4	11219.2	11037.9	11219.2
77.5°	4066.8	5227.5	6388.4	6548.1	6707.9	7264.1	7820.4	8300.4	8780.5	8468.8	8780.5
80°	2661.7	3638.2	4614.7	4813.3	5011.9	5432.0	5851.9	6104.0	6356.0	5854.6	6356.0
82.5°	1547.2	2214.8	2882.5	3104.3	3326.3	3615.4	3904.6	4009.7	4114.8	3720.8	4114.8
85°	680.7	1035.1	1389.4	1578.1	1766.8	2004.4	2241.9	2301.6	2361.3	2045.6	2361.3
87.5°	210.7	329.8	448.9	554.2	659.5	778.3	897.1	902.2	907.2	761.6	907.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2819.5	2815.1	2806.3	2797.4	2782.6	2767.8	2757.4	2747.0	2725.9	2704.8	2682.4
5°	3149.9	3138.1	3118.5	3098.9	3062.7	3026.6	2990.1	2953.8	2907.2	2860.7	2814.2
7.5°	3467.8	3450.4	3418.4	3386.3	3333.1	3279.9	3220.8	3161.6	3084.7	3008.0	2937.0
10°	3678.0	3661.2	3623.5	3585.7	3523.3	3460.8	3390.8	3320.9	3223.7	3126.6	3032.8
12.5°	3746.9	3737.6	3710.2	3682.7	3626.5	3570.0	3494.3	3418.4	3311.7	3205.0	3098.8
15°	3671.6	3681.4	3680.4	3679.4	3643.9	3608.5	3543.2	3477.7	3366.4	3255.2	3139.9
17.5°	3484.9	3521.3	3561.0	3600.7	3600.1	3599.4	3555.2	3511.0	3398.2	3285.4	3159.6
20°	3246.5	3310.3	3397.9	3485.5	3532.1	3578.7	3563.2	3547.8	3430.5	3313.2	3175.0
22.5°	3019.6	3099.3	3228.2	3357.1	3453.6	3550.0	3570.2	3590.4	3470.6	3350.8	3195.8
25°	2828.0	2911.9	3068.5	3225.0	3371.4	3517.9	3581.6	3645.3	3527.9	3410.6	3233.4
27.5°	2674.5	2757.1	2930.6	3104.0	3297.9	3491.9	3605.9	3719.8	3607.9	3495.8	3292.2
30°	2565.0	2641.6	2822.3	3003.1	3241.9	3480.6	3650.4	3820.3	3712.1	3603.9	3368.4
32.5°	2533.7	2593.8	2763.6	2933.5	3203.6	3473.8	3706.3	3938.9	3831.7	3724.7	3447.9
35°	2700.9	2714.9	2832.8	2950.8	3232.3	3513.8	3798.3	4083.0	3980.4	3877.8	3538.5
37.5°	3193.0	3128.9	3136.6	3144.2	3400.1	3655.9	3990.7	4325.6	4194.8	4064.0	3639.9
40°	4007.8	3851.9	3717.6	3583.4	3773.6	3963.9	4328.0	4692.1	4501.6	4311.0	3768.7
42.5°	5105.8	4822.3	4529.4	4236.6	4346.1	4455.7	4817.0	5178.3	4903.3	4628.2	3937.2
45°	6437.1	5971.3	5502.0	5032.8	5081.2	5129.5	5454.1	5778.7	5407.7	5036.7	4158.9
47.5°	7913.9	7232.0	6555.3	5878.4	5888.2	5898.0	6213.8	6529.5	6007.4	5485.1	4395.1
50°	9381.8	8481.7	7609.4	6737.0	6735.3	6733.7	7123.6	7513.6	6726.4	5939.1	4614.3
52.5°	10801.0	9687.4	8645.3	7603.3	7651.1	7698.9	8171.0	8643.3	7481.7	6320.2	4756.6
55°	12187.6	10860.0	9700.3	8540.5	8726.7	8912.8	9379.4	9846.0	8151.4	6457.0	4725.3
57.5°	13530.9	12027.1	10856.0	9685.0	10058.3	10431.6	10685.8	10939.8	8626.0	6312.2	4504.5
60°	15289.5	13679.5	12571.3	11463.1	11926.7	12390.3	11995.6	11601.0	8744.6	5888.2	4093.7
62.5°	16879.6	15347.7	14332.4	13317.3	13369.6	13421.9	12343.6	11265.3	8245.2	5225.2	3538.3
65°	17083.5	15598.2	14307.9	13017.8	12817.7	12617.4	11605.4	10593.3	7538.6	4483.9	2971.5
67.5°	15985.9	14494.2	13150.1	11805.8	11712.0	11618.1	10655.6	9693.0	6697.7	3702.4	2416.4
70°	14477.2	13193.5	11991.5	10789.4	10747.3	10705.4	9658.3	8611.4	5780.1	2948.9	1902.5
72.5°	12628.1	11666.6	10726.2	9785.7	9755.6	9725.4	8523.9	7322.5	4785.5	2248.5	1454.5
75°	10542.4	9865.6	9133.8	8402.1	8290.5	8178.9	6935.4	5691.9	3645.2	1598.5	1055.7
77.5°	8300.4	7820.4	7264.1	6707.9	6548.1	6388.4	5227.5	4066.8	2551.3	1035.9	715.3
80°	6104.0	5851.9	5432.0	5011.9	4813.3	4614.7	3638.2	2661.7	1643.8	625.8	460.9
82.5°	4009.7	3904.6	3615.4	3326.3	3104.3	2882.5	2214.8	1547.2	951.4	355.6	283.5
85°	2301.6	2241.9	2004.4	1766.8	1578.1	1389.4	1035.1	680.7	427.9	175.3	151.5
87.5°	902.2	897.1	778.3	659.5	554.2	448.9	329.8	210.7	140.2	69.6	62.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2660.0	2637.5	2614.9	2593.4	2571.8	2550.9	2527.7	2508.9	2490.2	2473.2	2456.3
5°	2767.8	2721.1	2674.4	2630.8	2587.2	2546.0	2505.4	2469.9	2434.3	2404.5	2374.8
7.5°	2866.1	2797.0	2727.9	2667.0	2606.1	2549.9	2497.3	2450.1	2402.9	2363.7	2324.5
10°	2939.1	2855.2	2771.2	2699.2	2627.1	2557.8	2501.2	2451.4	2401.6	2362.4	2323.2
12.5°	2992.5	2893.5	2794.5	2713.1	2631.6	2558.8	2506.1	2465.4	2424.8	2398.7	2372.8
15°	3024.7	2910.7	2796.7	2702.4	2608.1	2527.4	2485.3	2465.8	2446.3	2449.9	2453.4
17.5°	3033.9	2901.5	2769.2	2655.8	2542.4	2447.5	2421.5	2428.7	2435.8	2478.5	2521.2
20°	3036.8	2876.4	2716.1	2575.5	2435.0	2324.5	2317.6	2351.0	2384.3	2458.5	2532.8
22.5°	3040.7	2845.7	2650.6	2481.3	2312.1	2186.3	2199.7	2249.0	2298.3	2383.0	2467.9
25°	3056.2	2815.3	2574.5	2376.2	2178.0	2049.1	2085.3	2142.2	2199.0	2275.2	2351.5
27.5°	3088.6	2795.0	2501.4	2280.0	2058.6	1941.3	1985.4	2040.3	2095.1	2157.8	2220.3
30°	3132.9	2785.5	2437.9	2199.6	1961.3	1862.8	1897.4	1941.0	1984.7	2036.6	2088.6
32.5°	3171.1	2773.7	2376.2	2130.3	1884.4	1805.0	1820.4	1846.2	1872.0	1913.4	1955.0
35°	3199.1	2751.6	2304.2	2062.2	1820.2	1754.0	1747.7	1754.7	1761.9	1793.5	1825.1
37.5°	3215.8	2713.6	2211.5	1982.0	1752.6	1694.7	1671.4	1663.6	1655.7	1678.5	1701.1
40°	3226.3	2661.4	2096.6	1886.4	1676.1	1623.7	1587.9	1570.2	1552.4	1568.8	1585.2
42.5°	3246.2	2607.5	1969.0	1780.8	1592.6	1544.3	1499.2	1475.7	1452.1	1465.5	1478.9
45°	3281.2	2557.4	1833.7	1668.7	1503.6	1454.6	1411.0	1388.0	1365.2	1376.4	1387.7
47.5°	3305.2	2516.0	1726.9	1580.0	1433.0	1369.8	1332.3	1313.1	1293.8	1304.4	1314.9
50°	3289.5	2470.9	1652.4	1521.0	1389.7	1306.6	1263.0	1245.9	1229.0	1245.4	1262.0
52.5°	3192.9	2394.8	1596.7	1482.2	1367.8	1272.3	1211.3	1194.5	1177.7	1202.5	1227.2
55°	2993.5	2268.5	1543.6	1454.1	1364.6	1275.7	1183.9	1157.2	1130.6	1165.8	1200.9
57.5°	2697.0	2090.5	1484.0	1420.8	1357.6	1279.1	1167.4	1128.6	1089.8	1127.6	1165.4
60°	2299.3	1859.4	1419.5	1369.8	1320.1	1268.4	1151.9	1101.6	1051.2	1084.5	1117.6
62.5°	1851.4	1582.8	1314.2	1281.2	1248.3	1241.9	1133.9	1070.9	1008.1	1029.2	1050.3
65°	1459.3	1333.9	1208.6	1193.0	1177.4	1178.2	1095.8	1029.0	962.1	970.2	978.2
67.5°	1130.3	1094.8	1059.1	1067.8	1076.4	1074.3	1028.0	972.3	916.7	914.1	911.6
70°	856.2	866.4	876.5	916.9	957.1	957.1	942.0	902.4	862.8	853.9	845.1
72.5°	660.4	691.1	721.9	779.1	836.3	845.9	846.1	818.9	791.8	778.9	766.0
75°	512.8	540.7	568.5	632.6	696.7	741.0	737.3	716.4	695.4	683.1	670.6
77.5°	394.8	413.7	432.8	495.0	557.2	630.3	628.3	611.5	594.8	582.2	569.7
80°	296.0	303.9	311.7	364.4	417.1	504.3	504.0	490.0	475.9	465.4	454.8
82.5°	211.5	212.9	214.5	253.3	292.1	366.6	370.7	363.8	357.0	349.5	342.1
85°	127.9	127.2	126.4	154.9	183.3	238.7	244.1	236.7	229.4	221.0	212.7
87.5°	56.1	55.4	54.7	66.3	77.9	101.0	107.8	104.9	101.9	100.4	98.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P949481

CATALOG NUMBER: GALN-SB4B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2441.5	2426.7	2411.8	2397.0	2385.6	2374.0	2364.7	2355.4	2348.1	2340.9	2334.2
5°	2348.5	2322.3	2298.4	2274.5	2256.2	2237.8	2224.9	2212.1	2203.0	2193.8	2186.9
7.5°	2291.5	2258.3	2229.1	2200.0	2178.2	2156.4	2141.1	2125.8	2115.3	2104.9	2098.7
10°	2287.7	2252.0	2219.1	2186.3	2160.2	2134.1	2117.0	2099.8	2089.9	2080.0	2074.7
12.5°	2344.8	2317.0	2282.9	2249.0	2215.7	2182.4	2160.3	2138.3	2127.2	2116.2	2111.7
15°	2446.1	2438.9	2409.4	2379.9	2332.4	2285.0	2251.5	2218.0	2202.6	2187.3	2181.4
17.5°	2544.0	2566.6	2542.8	2519.1	2456.2	2393.4	2344.0	2294.6	2271.9	2249.0	2241.6
20°	2580.3	2627.9	2616.9	2605.8	2534.0	2462.2	2401.6	2341.2	2312.1	2282.8	2273.5
22.5°	2529.8	2591.6	2598.3	2604.8	2536.2	2467.6	2405.3	2342.8	2312.2	2281.4	2271.1
25°	2412.3	2473.2	2495.9	2518.6	2462.3	2406.2	2350.7	2295.4	2268.7	2242.2	2232.5
27.5°	2269.1	2317.9	2343.2	2368.6	2328.5	2288.5	2245.5	2202.5	2184.6	2166.7	2162.3
30°	2129.1	2169.6	2190.2	2210.8	2180.3	2149.7	2119.0	2088.0	2078.9	2069.7	2069.7
32.5°	1993.8	2032.7	2055.5	2078.5	2050.4	2022.3	1997.7	1973.1	1967.1	1961.2	1961.9
35°	1863.5	1902.0	1929.5	1956.9	1936.9	1917.0	1894.3	1871.7	1862.5	1853.5	1851.6
37.5°	1739.4	1777.9	1811.8	1845.7	1836.5	1827.3	1806.4	1785.4	1768.8	1752.4	1743.6
40°	1622.2	1659.3	1698.3	1737.4	1739.6	1741.8	1724.0	1706.3	1682.2	1658.3	1642.0
42.5°	1514.0	1549.2	1591.3	1633.5	1644.7	1656.0	1641.0	1626.1	1596.2	1566.3	1542.7
45°	1421.1	1454.4	1498.1	1541.8	1558.0	1574.2	1560.6	1547.2	1513.0	1478.9	1451.2
47.5°	1347.6	1380.1	1423.2	1466.4	1485.0	1503.6	1494.2	1484.8	1454.4	1424.0	1398.3
50°	1292.8	1323.4	1362.1	1400.7	1424.6	1448.5	1447.9	1447.5	1423.2	1398.9	1375.2
52.5°	1255.4	1283.6	1319.5	1355.6	1383.9	1412.2	1417.3	1422.4	1402.6	1382.8	1361.6
55°	1231.3	1261.7	1293.3	1324.7	1354.7	1384.8	1391.9	1398.9	1381.7	1364.4	1345.8
57.5°	1201.1	1236.8	1268.0	1299.2	1329.5	1359.7	1366.9	1374.0	1356.6	1339.1	1320.7
60°	1158.6	1199.5	1231.2	1263.0	1293.4	1323.7	1331.6	1339.4	1322.4	1305.4	1286.4
62.5°	1098.0	1145.8	1179.7	1213.5	1241.3	1269.1	1276.7	1284.2	1268.8	1253.5	1233.5
65°	1029.4	1080.7	1113.0	1145.3	1169.8	1194.4	1202.1	1209.7	1194.9	1180.1	1160.7
67.5°	958.8	1006.2	1036.8	1067.4	1088.6	1109.8	1117.3	1124.8	1111.1	1097.6	1079.6
70°	886.7	928.2	954.7	981.2	1000.3	1019.4	1026.6	1033.9	1022.8	1011.7	994.5
72.5°	798.8	831.4	855.3	879.2	897.9	916.7	925.3	933.9	924.7	915.5	899.0
75°	695.0	719.3	740.9	762.6	779.6	796.7	805.7	814.7	810.2	805.7	791.9
77.5°	589.5	609.2	627.8	646.4	664.4	682.2	690.6	699.1	692.8	686.3	672.4
80°	471.3	487.6	503.3	519.0	532.6	546.2	557.3	568.5	565.8	563.1	544.4
82.5°	340.7	339.3	333.9	328.4	357.4	386.4	405.4	424.4	423.2	422.0	406.2
85°	205.6	198.5	183.3	168.1	195.3	222.5	246.0	269.6	267.6	265.6	253.3
87.5°	98.5	98.2	86.6	75.0	86.4	97.8	107.3	116.8	114.5	111.9	105.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SB4B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2327.4	2319.1	2327.4	2334.2	2340.9	2348.1	2355.4	2364.7	2374.0	2385.6	2397.0
5°	2179.9	2173.1	2179.9	2186.9	2193.8	2203.0	2212.1	2224.9	2237.8	2256.2	2274.5
7.5°	2092.5	2087.8	2092.5	2098.7	2104.9	2115.3	2125.8	2141.1	2156.4	2178.2	2200.0
10°	2069.4	2067.2	2069.4	2074.7	2080.0	2089.9	2099.8	2117.0	2134.1	2160.2	2186.3
12.5°	2107.2	2106.4	2107.2	2111.7	2116.2	2127.2	2138.3	2160.3	2182.4	2215.7	2249.0
15°	2175.5	2175.0	2175.5	2181.4	2187.3	2202.6	2218.0	2251.5	2285.0	2332.4	2379.9
17.5°	2234.0	2232.9	2234.0	2241.6	2249.0	2271.9	2294.6	2344.0	2393.4	2456.2	2519.1
20°	2264.2	2261.3	2264.2	2273.5	2282.8	2312.1	2341.2	2401.6	2462.2	2534.0	2605.8
22.5°	2260.8	2256.4	2260.8	2271.1	2281.4	2312.2	2342.8	2405.3	2467.6	2536.2	2604.8
25°	2222.9	2217.2	2222.9	2232.5	2242.2	2268.7	2295.4	2350.7	2406.2	2462.3	2518.6
27.5°	2157.9	2156.4	2157.9	2162.3	2166.7	2184.6	2202.5	2245.5	2288.5	2328.5	2368.6
30°	2069.7	2071.1	2069.7	2069.7	2069.7	2078.9	2088.0	2119.0	2149.7	2180.3	2210.8
32.5°	1962.8	1964.3	1962.8	1961.9	1961.2	1967.1	1973.1	1997.7	2022.3	2050.4	2078.5
35°	1849.6	1848.6	1849.6	1851.6	1853.5	1862.5	1871.7	1894.3	1917.0	1936.9	1956.9
37.5°	1734.9	1730.0	1734.9	1743.6	1752.4	1768.8	1785.4	1806.4	1827.3	1836.5	1845.7
40°	1625.9	1616.3	1625.9	1642.0	1658.3	1682.2	1706.3	1724.0	1741.8	1739.6	1737.4
42.5°	1519.1	1503.6	1519.1	1542.7	1566.3	1596.2	1626.1	1641.0	1656.0	1644.7	1633.5
45°	1423.4	1405.6	1423.4	1451.2	1478.9	1513.0	1547.2	1560.6	1574.2	1558.0	1541.8
47.5°	1372.7	1355.6	1372.7	1398.3	1424.0	1454.4	1484.8	1494.2	1503.6	1485.0	1466.4
50°	1351.5	1335.0	1351.5	1375.2	1398.9	1423.2	1447.5	1447.9	1448.5	1424.6	1400.7
52.5°	1340.4	1325.2	1340.4	1361.6	1382.8	1402.6	1422.4	1417.3	1412.2	1383.9	1355.6
55°	1327.2	1313.4	1327.2	1345.8	1364.4	1381.7	1398.9	1391.9	1384.8	1354.7	1324.7
57.5°	1302.2	1288.0	1302.2	1320.7	1339.1	1356.6	1374.0	1366.9	1359.7	1329.5	1299.2
60°	1267.4	1252.7	1267.4	1286.4	1305.4	1322.4	1339.4	1331.6	1323.7	1293.4	1263.0
62.5°	1213.5	1195.8	1213.5	1233.5	1253.5	1268.8	1284.2	1276.7	1269.1	1241.3	1213.5
65°	1141.4	1126.2	1141.4	1160.7	1180.1	1194.9	1209.7	1202.1	1194.4	1169.8	1145.3
67.5°	1061.5	1047.8	1061.5	1079.6	1097.6	1111.1	1124.8	1117.3	1109.8	1088.6	1067.4
70°	977.2	961.6	977.2	994.5	1011.7	1022.8	1033.9	1026.6	1019.4	1000.3	981.2
72.5°	882.7	867.5	882.7	899.0	915.5	924.7	933.9	925.3	916.7	897.9	879.2
75°	778.1	763.6	778.1	791.9	805.7	810.2	814.7	805.7	796.7	779.6	762.6
77.5°	658.5	646.9	658.5	672.4	686.3	692.8	699.1	690.6	682.2	664.4	646.4
80°	525.6	503.8	525.6	544.4	563.1	565.8	568.5	557.3	546.2	532.6	519.0
82.5°	390.3	376.4	390.3	406.2	422.0	423.2	424.4	405.4	386.4	357.4	328.4
85°	240.9	228.4	240.9	253.3	265.6	267.6	269.6	246.0	222.5	195.3	168.1
87.5°	99.2	93.1	99.2	105.7	111.9	114.5	116.8	107.3	97.8	86.4	75.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SB4B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2411.8	2426.7	2441.5	2456.3	2473.2	2490.2	2508.9	2527.7	2550.9	2571.8	2593.4
5°	2298.4	2322.3	2348.5	2374.8	2404.5	2434.3	2469.9	2505.4	2546.0	2587.2	2630.8
7.5°	2229.1	2258.3	2291.5	2324.5	2363.7	2402.9	2450.1	2497.3	2549.9	2606.1	2667.0
10°	2219.1	2252.0	2287.7	2323.2	2362.4	2401.6	2451.4	2501.2	2557.8	2627.1	2699.2
12.5°	2282.9	2317.0	2344.8	2372.8	2398.7	2424.8	2465.4	2506.1	2558.8	2631.6	2713.1
15°	2409.4	2438.9	2446.1	2453.4	2449.9	2446.3	2465.8	2485.3	2527.4	2608.1	2702.4
17.5°	2542.8	2566.6	2544.0	2521.2	2478.5	2435.8	2428.7	2421.5	2447.5	2542.4	2655.8
20°	2616.9	2627.9	2580.3	2532.8	2458.5	2384.3	2351.0	2317.6	2324.5	2435.0	2575.5
22.5°	2598.3	2591.6	2529.8	2467.9	2383.0	2298.3	2249.0	2199.7	2186.3	2312.1	2481.3
25°	2495.9	2473.2	2412.3	2351.5	2275.2	2199.0	2142.2	2085.3	2049.1	2178.0	2376.2
27.5°	2343.2	2317.9	2269.1	2220.3	2157.8	2095.1	2040.3	1985.4	1941.3	2058.6	2280.0
30°	2190.2	2169.6	2129.1	2088.6	2036.6	1984.7	1941.0	1897.4	1862.8	1961.3	2199.6
32.5°	2055.5	2032.7	1993.8	1955.0	1913.4	1872.0	1846.2	1820.4	1805.0	1884.4	2130.3
35°	1929.5	1902.0	1863.5	1825.1	1793.5	1761.9	1754.7	1747.7	1754.0	1820.2	2062.2
37.5°	1811.8	1777.9	1739.4	1701.1	1678.5	1655.7	1663.6	1671.4	1694.7	1752.6	1982.0
40°	1698.3	1659.3	1622.2	1585.2	1568.8	1552.4	1570.2	1587.9	1623.7	1676.1	1886.4
42.5°	1591.3	1549.2	1514.0	1478.9	1465.5	1452.1	1475.7	1499.2	1544.3	1592.6	1780.8
45°	1498.1	1454.4	1421.1	1387.7	1376.4	1365.2	1388.0	1411.0	1454.6	1503.6	1668.7
47.5°	1423.2	1380.1	1347.6	1314.9	1304.4	1293.8	1313.1	1332.3	1369.8	1433.0	1580.0
50°	1362.1	1323.4	1292.8	1262.0	1245.4	1229.0	1245.9	1263.0	1306.6	1389.7	1521.0
52.5°	1319.5	1283.6	1255.4	1227.2	1202.5	1177.7	1194.5	1211.3	1272.3	1367.8	1482.2
55°	1293.3	1261.7	1231.3	1200.9	1165.8	1130.6	1157.2	1183.9	1275.7	1364.6	1454.1
57.5°	1268.0	1236.8	1201.1	1165.4	1127.6	1089.8	1128.6	1167.4	1279.1	1357.6	1420.8
60°	1231.2	1199.5	1158.6	1117.6	1084.5	1051.2	1101.6	1151.9	1268.4	1320.1	1369.8
62.5°	1179.7	1145.8	1098.0	1050.3	1029.2	1008.1	1070.9	1133.9	1241.9	1248.3	1281.2
65°	1113.0	1080.7	1029.4	978.2	970.2	962.1	1029.0	1095.8	1178.2	1177.4	1193.0
67.5°	1036.8	1006.2	958.8	911.6	914.1	916.7	972.3	1028.0	1074.3	1076.4	1067.8
70°	954.7	928.2	886.7	845.1	853.9	862.8	902.4	942.0	957.1	957.1	916.9
72.5°	855.3	831.4	798.8	766.0	778.9	791.8	818.9	846.1	845.9	836.3	779.1
75°	740.9	719.3	695.0	670.6	683.1	695.4	716.4	737.3	741.0	696.7	632.6
77.5°	627.8	609.2	589.5	569.7	582.2	594.8	611.5	628.3	630.3	557.2	495.0
80°	503.3	487.6	471.3	454.8	465.4	475.9	490.0	504.0	504.3	417.1	364.4
82.5°	333.9	339.3	340.7	342.1	349.5	357.0	363.8	370.7	366.6	292.1	253.3
85°	183.3	198.5	205.6	212.7	221.0	229.4	236.7	244.1	238.7	183.3	154.9
87.5°	86.6	98.2	98.5	98.8	100.4	101.9	104.9	107.8	101.0	77.9	66.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: GALN-SB4B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4	2554.4
2.5°	2614.9	2637.5	2660.0	2682.4	2704.8	2725.9	2747.0
5°	2674.4	2721.1	2767.8	2814.2	2860.7	2907.2	2953.8
7.5°	2727.9	2797.0	2866.1	2937.0	3008.0	3084.7	3161.6
10°	2771.2	2855.2	2939.1	3032.8	3126.6	3223.7	3320.9
12.5°	2794.5	2893.5	2992.5	3098.8	3205.0	3311.7	3418.4
15°	2796.7	2910.7	3024.7	3139.9	3255.2	3366.4	3477.7
17.5°	2769.2	2901.5	3033.9	3159.6	3285.4	3398.2	3511.0
20°	2716.1	2876.4	3036.8	3175.0	3313.2	3430.5	3547.8
22.5°	2650.6	2845.7	3040.7	3195.8	3350.8	3470.6	3590.4
25°	2574.5	2815.3	3056.2	3233.4	3410.6	3527.9	3645.3
27.5°	2501.4	2795.0	3088.6	3292.2	3495.8	3607.9	3719.8
30°	2437.9	2785.5	3132.9	3368.4	3603.9	3712.1	3820.3
32.5°	2376.2	2773.7	3171.1	3447.9	3724.7	3831.7	3938.9
35°	2304.2	2751.6	3199.1	3538.5	3877.8	3980.4	4083.0
37.5°	2211.5	2713.6	3215.8	3639.9	4064.0	4194.8	4325.6
40°	2096.6	2661.4	3226.3	3768.7	4311.0	4501.6	4692.1
42.5°	1969.0	2607.5	3246.2	3937.2	4628.2	4903.3	5178.3
45°	1833.7	2557.4	3281.2	4158.9	5036.7	5407.7	5778.7
47.5°	1726.9	2516.0	3305.2	4395.1	5485.1	6007.4	6529.5
50°	1652.4	2470.9	3289.5	4614.3	5939.1	6726.4	7513.6
52.5°	1596.7	2394.8	3192.9	4756.6	6320.2	7481.7	8643.3
55°	1543.6	2268.5	2993.5	4725.3	6457.0	8151.4	9846.0
57.5°	1484.0	2090.5	2697.0	4504.5	6312.2	8626.0	10939.8
60°	1419.5	1859.4	2299.3	4093.7	5888.2	8744.6	11601.0
62.5°	1314.2	1582.8	1851.4	3538.3	5225.2	8245.2	11265.3
65°	1208.6	1333.9	1459.3	2971.5	4483.9	7538.6	10593.3
67.5°	1059.1	1094.8	1130.3	2416.4	3702.4	6697.7	9693.0
70°	876.5	866.4	856.2	1902.5	2948.9	5780.1	8611.4
72.5°	721.9	691.1	660.4	1454.5	2248.5	4785.5	7322.5
75°	568.5	540.7	512.8	1055.7	1598.5	3645.2	5691.9
77.5°	432.8	413.7	394.8	715.3	1035.9	2551.3	4066.8
80°	311.7	303.9	296.0	460.9	625.8	1643.8	2661.7
82.5°	214.5	212.9	211.5	283.5	355.6	951.4	1547.2
85°	126.4	127.2	127.9	151.5	175.3	427.9	680.7
87.5°	54.7	55.4	56.1	62.8	69.6	140.2	210.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)