

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: P951161

Luminaire Tested: **GALN-SB5B-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951161
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-SB5B-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17252 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

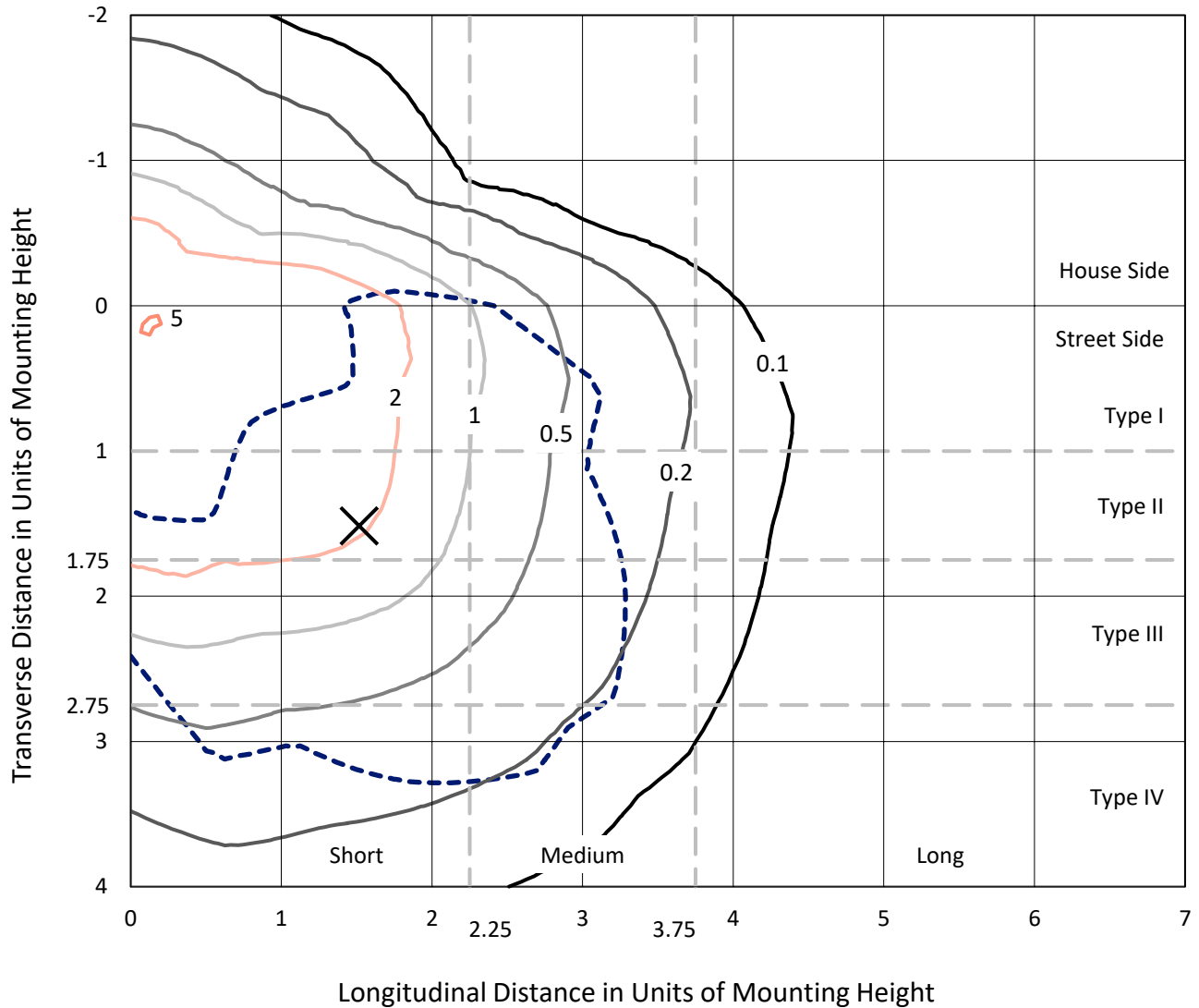
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

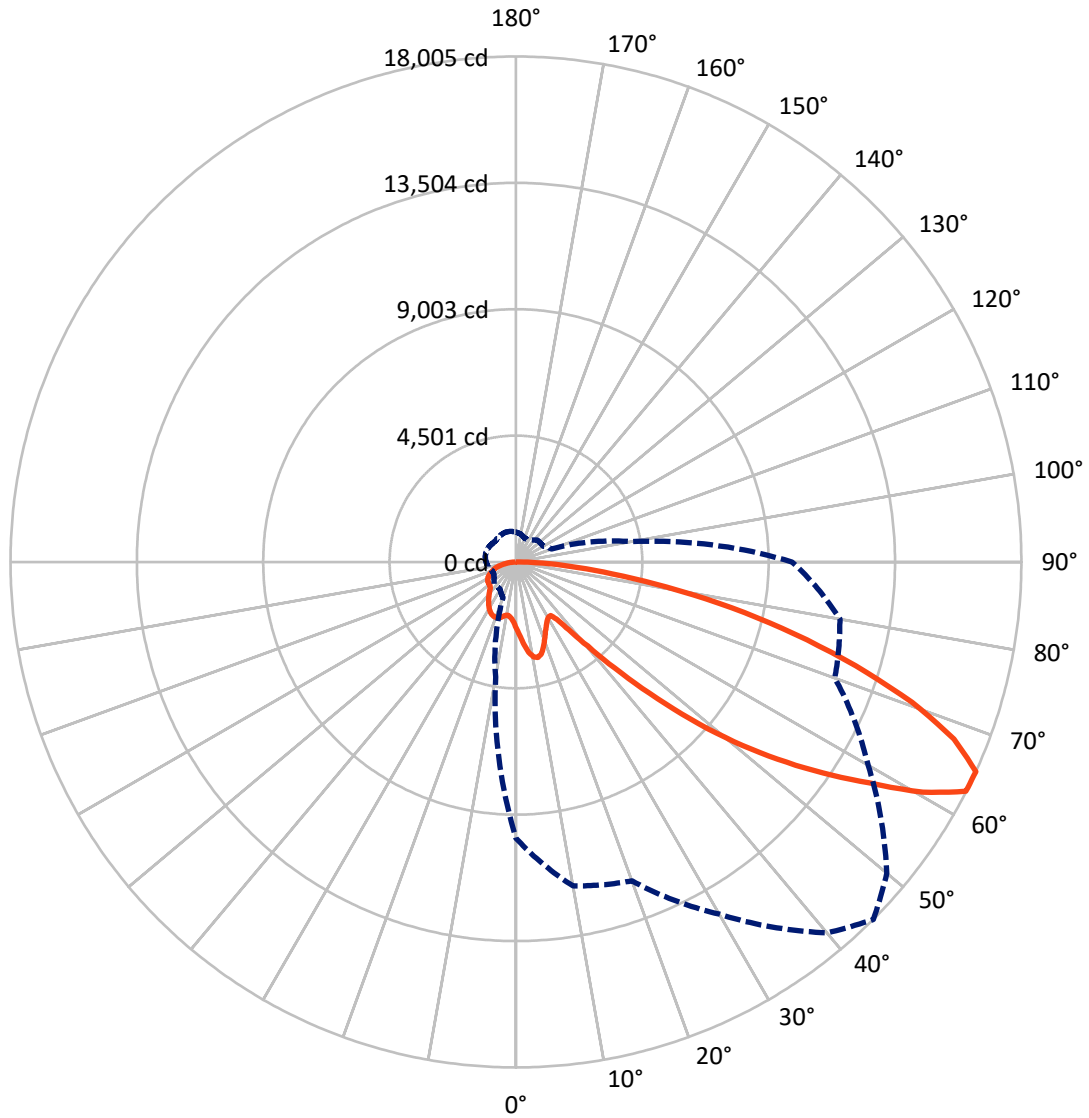
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4384.6	0.0	4384.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	12867.4	0.0	12867.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	17252.0	0.0	17252.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.3	1.4
10°-20°	738.8	4.3
20°-30°	1141.1	6.6
30°-40°	1446.1	8.4
40°-50°	2181.0	12.6
50°-60°	3523.8	20.4
60°-70°	4393.0	25.5
70°-80°	2880.7	16.7
80°-90°	712.2	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°	17252.0	100.0
0°-180°	17252.0	100.0

Coefficient of Utilization



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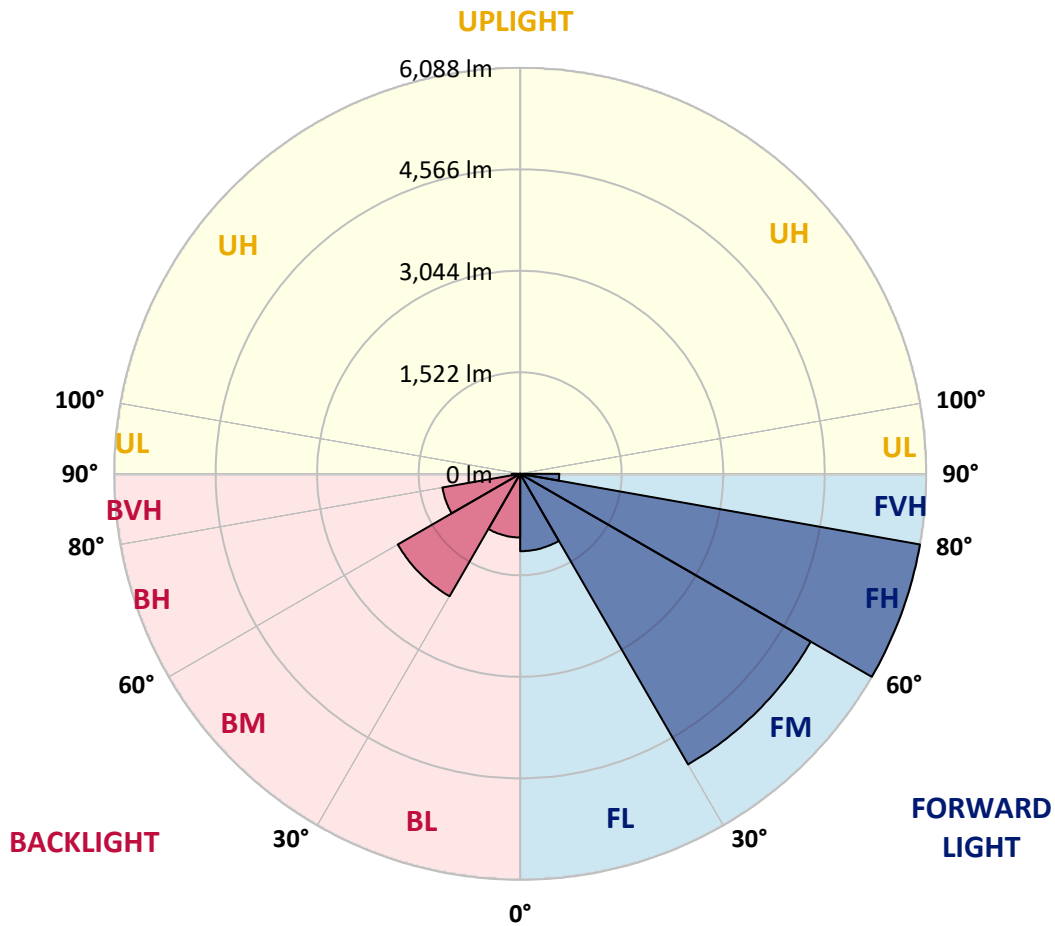
CATALOG NUMBER: GALN-SB5B-927-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1160.4	6.7			
FM (30°-60°)	5032.0	29.2			
FH (60°-80°)	6088.3	35.3			G3/7500
FVH (80°-90°)	586.7	3.4			G4/750
BL (0°-30°)	954.8	5.5	B2/1000		
BM (30°-60°)	2118.9	12.3	B2/2500		
BH (60°-80°)	1185.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	125.5	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°
0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2.5°	2551.2	2560.8	2570.6	2584.3	2598.1	2606.3	2614.4	2618.5	2622.6	2620.8
5°	2743.3	2777.0	2810.9	2844.4	2878.0	2896.2	2914.4	2925.4	2936.5	2944.9
7.5°	2936.2	2991.2	3046.1	3095.5	3145.0	3174.7	3204.5	3220.6	3236.6	3244.4
10°	3084.2	3149.2	3214.2	3272.2	3330.1	3365.3	3400.2	3415.9	3431.5	3437.4
12.5°	3174.7	3245.2	3315.6	3368.0	3420.3	3445.8	3471.2	3479.8	3488.4	3489.3
15°	3229.8	3290.6	3351.3	3384.2	3417.2	3418.1	3419.0	3409.9	3400.8	3390.0
17.5°	3260.8	3301.8	3342.9	3343.5	3344.1	3307.2	3270.3	3236.6	3202.7	3178.8
20°	3294.9	3309.2	3323.6	3280.3	3237.1	3155.7	3074.3	3015.1	2955.8	2919.4
22.5°	3334.5	3315.8	3297.0	3207.4	3117.9	2998.1	2878.4	2804.3	2730.2	2690.0
25°	3385.5	3326.3	3267.1	3131.1	2995.1	2849.8	2704.4	2626.5	2548.7	2510.7
27.5°	3454.7	3348.9	3243.0	3062.9	2882.8	2721.7	2560.6	2483.9	2407.3	2371.4
30°	3548.0	3390.2	3232.6	3010.8	2789.0	2621.2	2453.3	2382.2	2311.1	2277.6
32.5°	3658.1	3442.1	3226.2	2975.3	2724.4	2566.7	2408.9	2353.1	2297.2	2273.1
35°	3791.9	3527.6	3263.3	3001.9	2740.5	2630.9	2521.4	2508.4	2495.4	2493.4
37.5°	4017.3	3706.3	3395.3	3157.7	2920.1	2913.0	2905.9	2965.5	3025.0	3056.0
40°	4357.7	4019.5	3681.3	3504.6	3328.0	3452.7	3577.4	3722.1	3866.9	3939.0
42.5°	4809.2	4473.7	4138.1	4036.4	3934.6	4206.6	4478.6	4741.9	5005.1	5159.7
45°	5366.8	5065.4	4763.9	4719.0	4674.0	5109.8	5545.7	5978.3	6410.9	6673.6
47.5°	6064.1	5770.9	5477.6	5468.5	5459.4	6088.1	6716.5	7349.8	7983.1	8354.9
50°	6978.1	6615.9	6253.7	6255.3	6256.8	7067.0	7877.2	8713.1	9549.1	10054.5
52.5°	8027.2	7588.6	7150.1	7105.8	7061.4	8029.1	8996.9	10031.2	11065.4	11671.2
55°	9144.2	8710.9	8277.6	8104.7	7931.8	9008.9	10085.9	11318.9	12552.0	13272.5
57.5°	10160.1	9924.1	9688.1	9341.4	8994.7	10082.3	11169.8	12566.4	13963.0	14856.5
60°	10774.1	11140.6	11507.2	11076.6	10646.0	11675.2	12704.5	14199.7	15695.0	16660.7
62.5°	10462.3	11463.8	12465.2	12416.7	12368.1	13310.9	14253.8	15676.5	17099.0	17991.6
65°	9838.3	10778.2	11718.1	11904.1	12090.0	13288.1	14486.4	15865.9	17245.3	18005.3
67.5°	9002.2	9896.1	10790.0	10877.3	10964.4	12212.8	13461.1	14846.5	16231.9	16827.3
70°	7997.6	8969.9	9942.4	9981.3	10020.4	11136.8	12253.1	13445.4	14637.5	14968.4
72.5°	6800.6	7916.3	9032.2	9060.3	9088.2	9961.7	10835.1	11728.0	12620.9	12654.4
75°	5286.2	6441.1	7595.9	7699.6	7803.3	8482.8	9162.4	9791.0	10419.5	10251.1
77.5°	3776.9	4854.9	5933.0	6081.4	6229.8	6746.4	7263.0	7708.8	8154.7	7865.2
80°	2472.0	3378.9	4285.8	4470.2	4654.7	5044.8	5434.8	5668.9	5903.0	5437.4
82.5°	1436.9	2057.0	2677.1	2883.1	3089.2	3357.7	3626.3	3723.9	3821.5	3455.6
85°	632.2	961.3	1290.4	1465.6	1640.9	1861.5	2082.1	2137.5	2193.0	1899.8
87.5°	195.7	306.3	416.9	514.7	612.5	722.8	833.1	837.9	842.5	707.3
90°	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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2372.3	0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2622.6	2.5°	2618.5	2614.4	2606.3	2598.1	2584.3	2570.6	2560.8	2551.2	2531.6	2512.0
2936.5	5°	2925.4	2914.4	2896.2	2878.0	2844.4	2810.9	2777.0	2743.3	2700.0	2656.8
3236.6	7.5°	3220.6	3204.5	3174.7	3145.0	3095.5	3046.1	2991.2	2936.2	2864.9	2793.6
3431.5	10°	3415.9	3400.2	3365.3	3330.1	3272.2	3214.2	3149.2	3084.2	2994.0	2903.7
3488.4	12.5°	3479.8	3471.2	3445.8	3420.3	3368.0	3315.6	3245.2	3174.7	3075.6	2976.6
3400.8	15°	3409.9	3419.0	3418.1	3417.2	3384.2	3351.3	3290.6	3229.8	3126.5	3023.2
3202.7	17.5°	3236.6	3270.3	3307.2	3344.1	3343.5	3342.9	3301.8	3260.8	3156.0	3051.2
2955.8	20°	3015.1	3074.3	3155.7	3237.1	3280.3	3323.6	3309.2	3294.9	3186.0	3077.1
2730.2	22.5°	2804.3	2878.4	2998.1	3117.9	3207.4	3297.0	3315.8	3334.5	3223.3	3111.9
2548.7	25°	2626.5	2704.4	2849.8	2995.1	3131.1	3267.1	3326.3	3385.5	3276.4	3167.5
2407.3	27.5°	2483.9	2560.6	2721.7	2882.8	3062.9	3243.0	3348.9	3454.7	3350.7	3246.7
2311.1	30°	2382.2	2453.3	2621.2	2789.0	3010.8	3232.6	3390.2	3548.0	3447.5	3347.1
2297.2	32.5°	2353.1	2408.9	2566.7	2724.4	2975.3	3226.2	3442.1	3658.1	3558.6	3459.2
2495.4	35°	2508.4	2521.4	2630.9	2740.5	3001.9	3263.3	3527.6	3791.9	3696.7	3601.4
3025.0	37.5°	2965.5	2905.9	2913.0	2920.1	3157.7	3395.3	3706.3	4017.3	3895.8	3774.4
3866.9	40°	3722.1	3577.4	3452.7	3328.0	3504.6	3681.3	4019.5	4357.7	4180.7	4003.8
5005.1	42.5°	4741.9	4478.6	4206.6	3934.6	4036.4	4138.1	4473.7	4809.2	4553.8	4298.4
6410.9	45°	5978.3	5545.7	5109.8	4674.0	4719.0	4763.9	5065.4	5366.8	5022.2	4677.7
7983.1	47.5°	7349.8	6716.5	6088.1	5459.4	5468.5	5477.6	5770.9	6064.1	5579.2	5094.2
9549.1	50°	8713.1	7877.2	7067.0	6256.8	6255.3	6253.7	6615.9	6978.1	6247.0	5515.8
11065.4	52.5°	10031.2	8996.9	8029.1	7061.4	7105.8	7150.1	7588.6	8027.2	6948.5	5869.8
12552.0	55°	11318.9	10085.9	9008.9	7931.8	8104.7	8277.6	8710.9	9144.2	7570.4	5996.7
13963.0	57.5°	12566.4	11169.8	10082.3	8994.7	9341.4	9688.1	9924.1	10160.1	8011.2	5862.3
15695.0	60°	14199.7	12704.5	11675.2	10646.0	11076.6	11507.2	11140.6	10774.1	8121.3	5468.5
17099.0	62.5°	15676.5	14253.8	13310.9	12368.1	12416.7	12465.2	11463.8	10462.3	7657.5	4852.7
17245.3	65°	15865.9	14486.4	13288.1	12090.0	11904.1	11718.1	10778.2	9838.3	7001.3	4164.3
16231.9	67.5°	14846.5	13461.1	12212.8	10964.4	10877.3	10790.0	9896.1	9002.2	6220.3	3438.5
14637.5	70°	13445.4	12253.1	11136.8	10020.4	9981.3	9942.4	8969.9	7997.6	5368.2	2738.7
12620.9	72.5°	11728.0	10835.1	9961.7	9088.2	9060.3	9032.2	7916.3	6800.6	4444.4	2088.3
10419.5	75°	9791.0	9162.4	8482.8	7803.3	7699.6	7595.9	6441.1	5286.2	3385.4	1484.6
8154.7	77.5°	7708.8	7263.0	6746.4	6229.8	6081.4	5933.0	4854.9	3776.9	2369.5	962.0
5903.0	80°	5668.9	5434.8	5044.8	4654.7	4470.2	4285.8	3378.9	2472.0	1526.6	581.2
3821.5	82.5°	3723.9	3626.3	3357.7	3089.2	2883.1	2677.1	2057.0	1436.9	883.6	330.3
2193.0	85°	2137.5	2082.1	1861.5	1640.9	1465.6	1290.4	961.3	632.2	397.4	162.8
842.5	87.5°	837.9	833.1	722.8	612.5	514.7	416.9	306.3	195.7	130.2	64.6
0.0	90°	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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2372.3	0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2491.2	2.5°	2470.4	2449.5	2428.6	2408.5	2388.5	2369.1	2347.5	2330.1	2312.7	2296.9
2613.6	5°	2570.6	2527.1	2483.8	2443.3	2402.8	2364.6	2326.8	2293.8	2260.8	2233.1
2727.7	7.5°	2661.8	2597.6	2533.4	2476.9	2420.4	2368.2	2319.3	2275.4	2231.7	2195.2
2816.6	10°	2729.6	2651.7	2573.7	2506.8	2439.8	2375.5	2323.0	2276.7	2230.5	2194.1
2877.9	12.5°	2779.2	2687.3	2595.3	2519.7	2444.0	2376.4	2327.5	2289.6	2252.0	2227.7
2916.1	15°	2809.1	2703.2	2597.3	2509.8	2422.2	2347.3	2308.1	2290.0	2272.0	2275.3
2934.4	17.5°	2817.6	2694.7	2571.8	2466.5	2361.2	2273.1	2248.9	2255.6	2262.1	2301.8
2948.7	20°	2820.4	2671.4	2522.5	2392.0	2261.4	2158.8	2152.5	2183.4	2214.4	2283.3
2968.0	22.5°	2824.0	2642.8	2461.7	2304.5	2147.3	2030.5	2042.9	2088.7	2134.5	2213.2
3003.0	25°	2838.4	2614.6	2391.0	2206.8	2022.7	1903.0	1936.7	1989.5	2042.3	2113.0
3057.6	27.5°	2868.4	2595.8	2323.1	2117.5	1911.9	1802.9	1843.9	1894.8	1945.8	2004.0
3128.3	30°	2909.6	2587.0	2264.2	2042.9	1821.6	1730.1	1762.2	1802.6	1843.2	1891.5
3202.1	32.5°	2945.1	2576.0	2206.8	1978.5	1750.1	1676.4	1690.6	1714.6	1738.5	1777.0
3286.3	35°	2971.1	2555.5	2140.0	1915.2	1690.5	1629.0	1623.1	1629.7	1636.3	1665.7
3380.5	37.5°	2986.6	2520.2	2053.9	1840.8	1627.7	1573.9	1552.3	1545.0	1537.7	1558.8
3500.1	40°	2996.3	2471.7	1947.2	1751.9	1556.7	1507.9	1474.7	1458.2	1441.8	1457.0
3656.6	42.5°	3014.8	2421.6	1828.7	1653.9	1479.1	1434.2	1392.3	1370.5	1348.6	1361.0
3862.5	45°	3047.3	2375.1	1703.0	1549.7	1396.4	1350.9	1310.4	1289.1	1267.9	1278.3
4081.9	47.5°	3069.6	2336.7	1603.8	1467.3	1330.9	1272.2	1237.3	1219.5	1201.6	1211.5
4285.4	50°	3055.0	2294.8	1534.6	1412.6	1290.7	1213.5	1172.9	1157.1	1141.4	1156.7
4417.6	52.5°	2965.4	2224.1	1482.9	1376.6	1270.4	1181.6	1125.0	1109.3	1093.8	1116.8
4388.5	55°	2780.1	2106.8	1433.6	1350.5	1267.3	1184.8	1099.5	1074.7	1050.1	1082.7
4183.5	57.5°	2504.8	1941.5	1378.2	1319.5	1260.8	1188.0	1084.2	1048.1	1012.1	1047.2
3802.0	60°	2135.4	1726.9	1318.3	1272.2	1226.0	1178.0	1069.8	1023.1	976.3	1007.2
3286.1	62.5°	1719.4	1470.0	1220.6	1189.9	1159.3	1153.4	1053.1	994.6	936.3	955.8
2759.7	65°	1355.3	1238.9	1122.4	1108.0	1093.5	1094.2	1017.7	955.7	893.5	901.0
2244.1	67.5°	1049.8	1016.7	983.6	991.7	999.7	997.7	954.7	903.0	851.3	849.0
1766.9	70°	795.2	804.6	814.0	851.5	888.9	888.9	874.8	838.0	801.3	793.1
1350.8	72.5°	613.4	641.9	670.5	723.6	776.7	785.6	785.8	760.6	735.4	723.3
980.4	75°	476.3	502.1	528.0	587.5	647.1	688.2	684.7	665.4	645.9	634.4
664.4	77.5°	366.7	384.2	401.9	459.7	517.5	585.3	583.5	567.9	552.4	540.7
428.0	80°	274.9	282.2	289.5	338.5	387.3	468.4	468.1	455.1	442.0	432.2
263.3	82.5°	196.4	197.7	199.2	235.2	271.3	340.5	344.3	337.9	331.5	324.6
140.7	85°	118.8	118.2	117.4	143.8	170.2	221.7	226.7	219.8	213.0	205.3
58.4	87.5°	52.1	51.4	50.8	61.5	72.4	93.8	100.1	97.4	94.7	93.2
0.0	90°	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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2372.3	0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2281.3	2.5°	2267.5	2253.8	2239.9	2226.2	2215.5	2204.8	2196.2	2187.5	2180.8	2174.0
2205.5	5°	2181.1	2156.7	2134.6	2112.4	2095.4	2078.3	2066.3	2054.4	2045.9	2037.5
2158.8	7.5°	2128.2	2097.4	2070.3	2043.2	2022.9	2002.7	1988.5	1974.3	1964.6	1954.9
2157.6	10°	2124.6	2091.5	2061.0	2030.5	2006.3	1982.0	1966.1	1950.1	1940.9	1931.7
2203.7	12.5°	2177.7	2151.8	2120.2	2088.7	2057.8	2026.8	2006.3	1985.9	1975.6	1965.4
2278.5	15°	2271.8	2265.1	2237.7	2210.3	2166.2	2122.1	2091.0	2059.9	2045.6	2031.4
2341.5	17.5°	2362.6	2383.7	2361.6	2339.5	2281.2	2222.8	2176.9	2131.1	2109.9	2088.7
2352.3	20°	2396.4	2440.6	2430.4	2420.1	2353.4	2286.7	2230.5	2174.3	2147.3	2120.1
2292.0	22.5°	2349.4	2406.9	2413.1	2419.2	2355.5	2291.7	2233.8	2175.9	2147.4	2118.8
2183.9	25°	2240.4	2296.9	2318.0	2339.1	2286.8	2234.7	2183.1	2131.8	2107.0	2082.4
2062.1	27.5°	2107.4	2152.7	2176.2	2199.8	2162.6	2125.4	2085.5	2045.5	2028.9	2012.3
1939.7	30°	1977.3	2015.0	2034.1	2053.2	2024.9	1996.5	1967.9	1939.2	1930.7	1922.1
1815.6	32.5°	1851.7	1887.8	1909.0	1930.3	1904.3	1878.2	1855.3	1832.5	1826.9	1821.4
1695.0	35°	1730.7	1766.5	1792.0	1817.5	1798.9	1780.4	1759.3	1738.3	1729.8	1721.4
1579.9	37.5°	1615.5	1651.1	1682.6	1714.1	1705.6	1697.0	1677.6	1658.2	1642.8	1627.5
1472.2	40°	1506.6	1541.0	1577.2	1613.5	1615.6	1617.6	1601.2	1584.7	1562.3	1540.1
1373.5	42.5°	1406.1	1438.8	1477.9	1517.1	1527.5	1538.0	1524.1	1510.2	1482.5	1454.7
1288.8	45°	1319.8	1350.7	1391.3	1431.9	1447.0	1462.0	1449.4	1436.9	1405.2	1373.5
1221.2	47.5°	1251.5	1281.7	1321.8	1361.8	1379.1	1396.4	1387.7	1379.0	1350.7	1322.5
1172.0	50°	1200.6	1229.1	1265.0	1300.8	1323.1	1345.3	1344.7	1344.4	1321.8	1299.2
1139.7	52.5°	1165.9	1192.1	1225.5	1259.0	1285.3	1311.6	1316.3	1321.1	1302.7	1284.3
1115.3	55°	1143.5	1171.8	1201.1	1230.3	1258.2	1286.1	1292.7	1299.2	1283.2	1267.2
1082.4	57.5°	1115.5	1148.6	1177.6	1206.6	1234.8	1262.8	1269.4	1276.1	1259.9	1243.7
1037.9	60°	1076.0	1114.1	1143.5	1172.9	1201.2	1229.4	1236.7	1244.0	1228.1	1212.4
975.4	62.5°	1019.7	1064.2	1095.6	1127.0	1152.8	1178.7	1185.7	1192.7	1178.4	1164.1
908.5	65°	956.0	1003.6	1033.7	1063.7	1086.5	1109.2	1116.4	1123.5	1109.8	1096.0
846.6	67.5°	890.5	934.4	962.9	991.3	1011.0	1030.7	1037.7	1044.6	1031.9	1019.4
784.9	70°	823.5	862.1	886.7	911.2	929.0	946.7	953.5	960.2	949.9	939.6
711.4	72.5°	741.8	772.1	794.3	816.6	833.9	851.3	859.3	867.4	858.8	850.2
622.8	75°	645.4	668.0	688.1	708.2	724.1	739.9	748.3	756.7	752.5	748.3
529.1	77.5°	547.5	565.8	583.1	600.4	617.0	633.6	641.4	649.2	643.4	637.4
422.4	80°	437.7	452.9	467.5	482.0	494.7	507.2	517.6	528.0	525.4	523.0
317.7	82.5°	316.4	315.2	310.1	305.0	331.9	358.8	376.5	394.2	393.1	391.9
197.5	85°	191.0	184.3	170.2	156.1	181.3	206.6	228.5	250.3	248.5	246.7
91.8	87.5°	91.5	91.2	80.5	69.6	80.2	90.9	99.7	108.5	106.3	104.0
0.0	90°	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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2372.3	0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2167.8	2.5°	2161.6	2153.8	2161.6	2167.8	2174.0	2180.8	2187.5	2196.2	2204.8	2215.5
2031.0	5°	2024.6	2018.2	2024.6	2031.0	2037.5	2045.9	2054.4	2066.3	2078.3	2095.4
1949.1	7.5°	1943.4	1939.0	1943.4	1949.1	1954.9	1964.6	1974.3	1988.5	2002.7	2022.9
1926.8	10°	1921.9	1919.9	1921.9	1926.8	1931.7	1940.9	1950.1	1966.1	1982.0	2006.3
1961.2	12.5°	1957.0	1956.3	1957.0	1961.2	1965.4	1975.6	1985.9	2006.3	2026.8	2057.8
2025.9	15°	2020.5	2020.0	2020.5	2025.9	2031.4	2045.6	2059.9	2091.0	2122.1	2166.2
2081.8	17.5°	2074.8	2073.7	2074.8	2081.8	2088.7	2109.9	2131.1	2176.9	2222.8	2281.2
2111.5	20°	2102.8	2100.1	2102.8	2111.5	2120.1	2147.3	2174.3	2230.5	2286.7	2353.4
2109.2	22.5°	2099.7	2095.6	2099.7	2109.2	2118.8	2147.4	2175.9	2233.8	2291.7	2355.5
2073.3	25°	2064.4	2059.1	2064.4	2073.3	2082.4	2107.0	2131.8	2183.1	2234.7	2286.8
2008.2	27.5°	2004.1	2002.7	2004.1	2008.2	2012.3	2028.9	2045.5	2085.5	2125.4	2162.6
1922.1	30°	1922.1	1923.5	1922.1	1922.1	1922.1	1930.7	1939.2	1967.9	1996.5	2024.9
1822.1	32.5°	1822.9	1824.3	1822.9	1822.1	1821.4	1826.9	1832.5	1855.3	1878.2	1904.3
1719.6	35°	1717.8	1716.9	1717.8	1719.6	1721.4	1729.8	1738.3	1759.3	1780.4	1798.9
1619.4	37.5°	1611.3	1606.7	1611.3	1619.4	1627.5	1642.8	1658.2	1677.6	1697.0	1705.6
1525.0	40°	1510.0	1501.1	1510.0	1525.0	1540.1	1562.3	1584.7	1601.2	1617.6	1615.6
1432.8	42.5°	1410.8	1396.4	1410.8	1432.8	1454.7	1482.5	1510.2	1524.1	1538.0	1527.5
1347.7	45°	1322.0	1305.4	1322.0	1347.7	1373.5	1405.2	1436.9	1449.4	1462.0	1447.0
1298.7	47.5°	1274.9	1259.0	1274.9	1298.7	1322.5	1350.7	1379.0	1387.7	1396.4	1379.1
1277.2	50°	1255.2	1239.9	1255.2	1277.2	1299.2	1321.8	1344.4	1344.7	1345.3	1323.1
1264.5	52.5°	1244.9	1230.8	1244.9	1264.5	1284.3	1302.7	1321.1	1316.3	1311.6	1285.3
1249.9	55°	1232.6	1219.8	1232.6	1249.9	1267.2	1283.2	1299.2	1292.7	1286.1	1258.2
1226.6	57.5°	1209.4	1196.2	1209.4	1226.6	1243.7	1259.9	1276.1	1269.4	1262.8	1234.8
1194.7	60°	1177.0	1163.4	1177.0	1194.7	1212.4	1228.1	1244.0	1236.7	1229.4	1201.2
1145.5	62.5°	1127.0	1110.6	1127.0	1145.5	1164.1	1178.4	1192.7	1185.7	1178.7	1152.8
1078.0	65°	1060.1	1046.0	1060.1	1078.0	1096.0	1109.8	1123.5	1116.4	1109.2	1086.5
1002.6	67.5°	985.9	973.1	985.9	1002.6	1019.4	1031.9	1044.6	1037.7	1030.7	1011.0
923.6	70°	907.6	893.0	907.6	923.6	939.6	949.9	960.2	953.5	946.7	929.0
834.9	72.5°	819.7	805.6	819.7	834.9	850.2	858.8	867.4	859.3	851.3	833.9
735.4	75°	722.6	709.1	722.6	735.4	748.3	752.5	756.7	748.3	739.9	724.1
624.5	77.5°	611.6	600.8	611.6	624.5	637.4	643.4	649.2	641.4	633.6	617.0
505.6	80°	488.1	467.9	488.1	505.6	523.0	525.4	528.0	517.6	507.2	494.7
377.2	82.5°	362.5	349.6	362.5	377.2	391.9	393.1	394.2	376.5	358.8	331.9
235.2	85°	223.8	212.1	223.8	235.2	246.7	248.5	250.3	228.5	206.6	181.3
98.1	87.5°	92.1	86.5	92.1	98.1	104.0	106.3	108.5	99.7	90.9	80.2
0.0	90°	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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2372.3	0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2226.2	2.5°	2239.9	2253.8	2267.5	2281.3	2296.9	2312.7	2330.1	2347.5	2369.1	2388.5
2112.4	5°	2134.6	2156.7	2181.1	2205.5	2233.1	2260.8	2293.8	2326.8	2364.6	2402.8
2043.2	7.5°	2070.3	2097.4	2128.2	2158.8	2195.2	2231.7	2275.4	2319.3	2368.2	2420.4
2030.5	10°	2061.0	2091.5	2124.6	2157.6	2194.1	2230.5	2276.7	2323.0	2375.5	2439.8
2088.7	12.5°	2120.2	2151.8	2177.7	2203.7	2227.7	2252.0	2289.6	2327.5	2376.4	2444.0
2210.3	15°	2237.7	2265.1	2271.8	2278.5	2275.3	2272.0	2290.0	2308.1	2347.3	2422.2
2339.5	17.5°	2361.6	2383.7	2362.6	2341.5	2301.8	2262.1	2255.6	2248.9	2273.1	2361.2
2420.1	20°	2430.4	2440.6	2396.4	2352.3	2283.3	2214.4	2183.4	2152.5	2158.8	2261.4
2419.2	22.5°	2413.1	2406.9	2349.4	2292.0	2213.2	2134.5	2088.7	2042.9	2030.5	2147.3
2339.1	25°	2318.0	2296.9	2240.4	2183.9	2113.0	2042.3	1989.5	1936.7	1903.0	2022.7
2199.8	27.5°	2176.2	2152.7	2107.4	2062.1	2004.0	1945.8	1894.8	1843.9	1802.9	1911.9
2053.2	30°	2034.1	2015.0	1977.3	1939.7	1891.5	1843.2	1802.6	1762.2	1730.1	1821.6
1930.3	32.5°	1909.0	1887.8	1851.7	1815.6	1777.0	1738.5	1714.6	1690.6	1676.4	1750.1
1817.5	35°	1792.0	1766.5	1730.7	1695.0	1665.7	1636.3	1629.7	1623.1	1629.0	1690.5
1714.1	37.5°	1682.6	1651.1	1615.5	1579.9	1558.8	1537.7	1545.0	1552.3	1573.9	1627.7
1613.5	40°	1577.2	1541.0	1506.6	1472.2	1457.0	1441.8	1458.2	1474.7	1507.9	1556.7
1517.1	42.5°	1477.9	1438.8	1406.1	1373.5	1361.0	1348.6	1370.5	1392.3	1434.2	1479.1
1431.9	45°	1391.3	1350.7	1319.8	1288.8	1278.3	1267.9	1289.1	1310.4	1350.9	1396.4
1361.8	47.5°	1321.8	1281.7	1251.5	1221.2	1211.5	1201.6	1219.5	1237.3	1272.2	1330.9
1300.8	50°	1265.0	1229.1	1200.6	1172.0	1156.7	1141.4	1157.1	1172.9	1213.5	1290.7
1259.0	52.5°	1225.5	1192.1	1165.9	1139.7	1116.8	1093.8	1109.3	1125.0	1181.6	1270.4
1230.3	55°	1201.1	1171.8	1143.5	1115.3	1082.7	1050.1	1074.7	1099.5	1184.8	1267.3
1206.6	57.5°	1177.6	1148.6	1115.5	1082.4	1047.2	1012.1	1048.1	1084.2	1188.0	1260.8
1172.9	60°	1143.5	1114.1	1076.0	1037.9	1007.2	976.3	1023.1	1069.8	1178.0	1226.0
1127.0	62.5°	1095.6	1064.2	1019.7	975.4	955.8	936.3	994.6	1053.1	1153.4	1159.3
1063.7	65°	1033.7	1003.6	956.0	908.5	901.0	893.5	955.7	1017.7	1094.2	1093.5
991.3	67.5°	962.9	934.4	890.5	846.6	849.0	851.3	903.0	954.7	997.7	999.7
911.2	70°	886.7	862.1	823.5	784.9	793.1	801.3	838.0	874.8	888.9	888.9
816.6	72.5°	794.3	772.1	741.8	711.4	723.3	735.4	760.6	785.8	785.6	776.7
708.2	75°	688.1	668.0	645.4	622.8	634.4	645.9	665.4	684.7	688.2	647.1
600.4	77.5°	583.1	565.8	547.5	529.1	540.7	552.4	567.9	583.5	585.3	517.5
482.0	80°	467.5	452.9	437.7	422.4	432.2	442.0	455.1	468.1	468.4	387.3
305.0	82.5°	310.1	315.2	316.4	317.7	324.6	331.5	337.9	344.3	340.5	271.3
156.1	85°	170.2	184.3	191.0	197.5	205.3	213.0	219.8	226.7	221.7	170.2
69.6	87.5°	80.5	91.2	91.5	91.8	93.2	94.7	97.4	100.1	93.8	72.4
0.0	90°	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):

325°		330°	335°	340°	345°	350°	355°	360°
2372.3	0°	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3	2372.3
2408.5	2.5°	2428.6	2449.5	2470.4	2491.2	2512.0	2531.6	2551.2
2443.3	5°	2483.8	2527.1	2570.6	2613.6	2656.8	2700.0	2743.3
2476.9	7.5°	2533.4	2597.6	2661.8	2727.7	2793.6	2864.9	2936.2
2506.8	10°	2573.7	2651.7	2729.6	2816.6	2903.7	2994.0	3084.2
2519.7	12.5°	2595.3	2687.3	2779.2	2877.9	2976.6	3075.6	3174.7
2509.8	15°	2597.3	2703.2	2809.1	2916.1	3023.2	3126.5	3229.8
2466.5	17.5°	2571.8	2694.7	2817.6	2934.4	3051.2	3156.0	3260.8
2392.0	20°	2522.5	2671.4	2820.4	2948.7	3077.1	3186.0	3294.9
2304.5	22.5°	2461.7	2642.8	2824.0	2968.0	3111.9	3223.3	3334.5
2206.8	25°	2391.0	2614.6	2838.4	3003.0	3167.5	3276.4	3385.5
2117.5	27.5°	2323.1	2595.8	2868.4	3057.6	3246.7	3350.7	3454.7
2042.9	30°	2264.2	2587.0	2909.6	3128.3	3347.1	3447.5	3548.0
1978.5	32.5°	2206.8	2576.0	2945.1	3202.1	3459.2	3558.6	3658.1
1915.2	35°	2140.0	2555.5	2971.1	3286.3	3601.4	3696.7	3791.9
1840.8	37.5°	2053.9	2520.2	2986.6	3380.5	3774.4	3895.8	4017.3
1751.9	40°	1947.2	2471.7	2996.3	3500.1	4003.8	4180.7	4357.7
1653.9	42.5°	1828.7	2421.6	3014.8	3656.6	4298.4	4553.8	4809.2
1549.7	45°	1703.0	2375.1	3047.3	3862.5	4677.7	5022.2	5366.8
1467.3	47.5°	1603.8	2336.7	3069.6	4081.9	5094.2	5579.2	6064.1
1412.6	50°	1534.6	2294.8	3055.0	4285.4	5515.8	6247.0	6978.1
1376.6	52.5°	1482.9	2224.1	2965.4	4417.6	5869.8	6948.5	8027.2
1350.5	55°	1433.6	2106.8	2780.1	4388.5	5996.7	7570.4	9144.2
1319.5	57.5°	1378.2	1941.5	2504.8	4183.5	5862.3	8011.2	10160.1
1272.2	60°	1318.3	1726.9	2135.4	3802.0	5468.5	8121.3	10774.1
1189.9	62.5°	1220.6	1470.0	1719.4	3286.1	4852.7	7657.5	10462.3
1108.0	65°	1122.4	1238.9	1355.3	2759.7	4164.3	7001.3	9838.3
991.7	67.5°	983.6	1016.7	1049.8	2244.1	3438.5	6220.3	9002.2
851.5	70°	814.0	804.6	795.2	1766.9	2738.7	5368.2	7997.6
723.6	72.5°	670.5	641.9	613.4	1350.8	2088.3	4444.4	6800.6
587.5	75°	528.0	502.1	476.3	980.4	1484.6	3385.4	5286.2
459.7	77.5°	401.9	384.2	366.7	664.4	962.0	2369.5	3776.9
338.5	80°	289.5	282.2	274.9	428.0	581.2	1526.6	2472.0
235.2	82.5°	199.2	197.7	196.4	263.3	330.3	883.6	1436.9
143.8	85°	117.4	118.2	118.8	140.7	162.8	397.4	632.2
61.5	87.5°	50.8	51.4	52.1	58.4	64.6	130.2	195.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)