

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: P949313

Luminaire Tested: **GALN-SB4A-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P949313  
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-SB4A-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

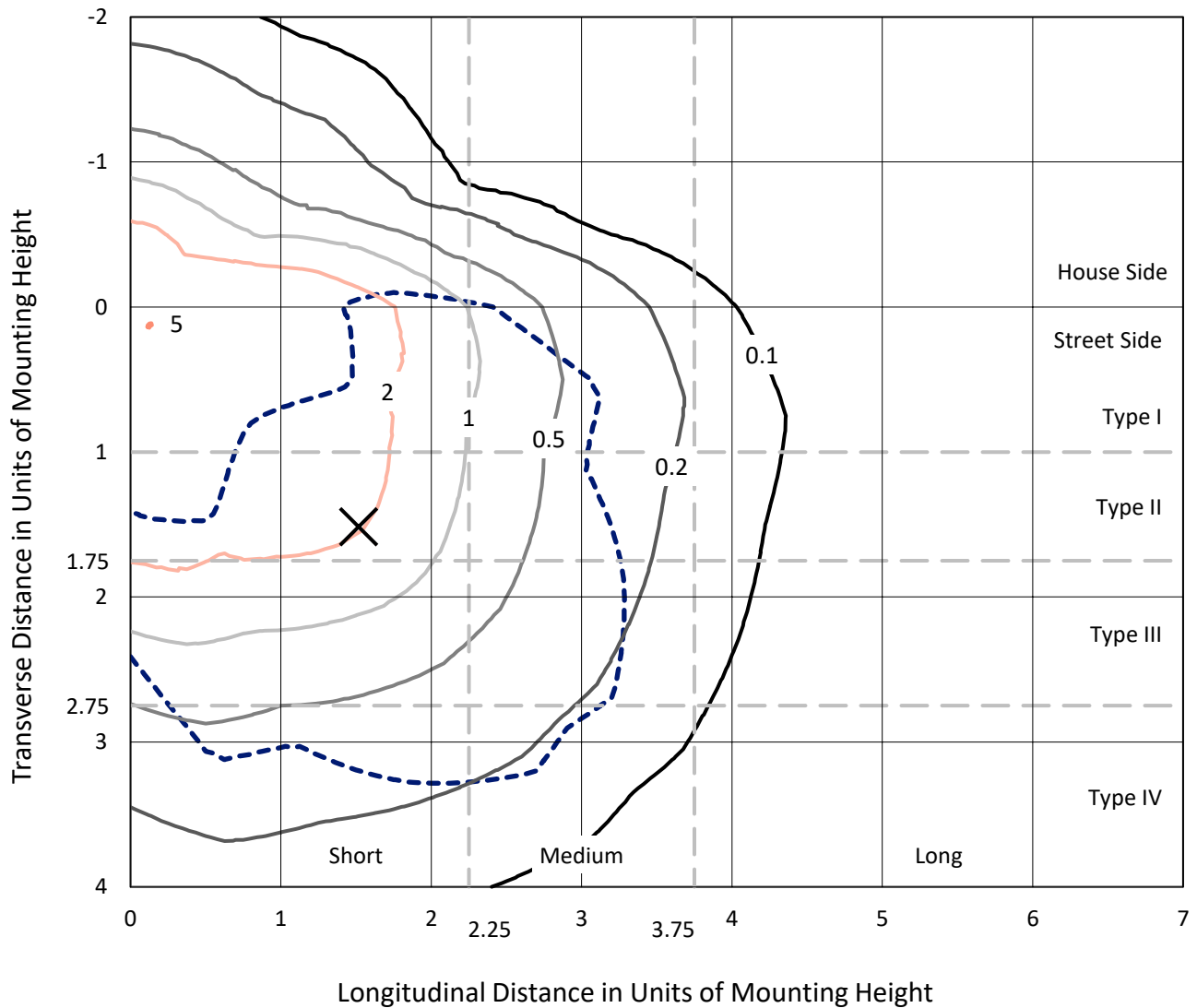
Lumens per Lamp: N/A  
Luminaire Lumens: 16615 lumens  
Efficiency: N/A  
Efficacy: 145.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

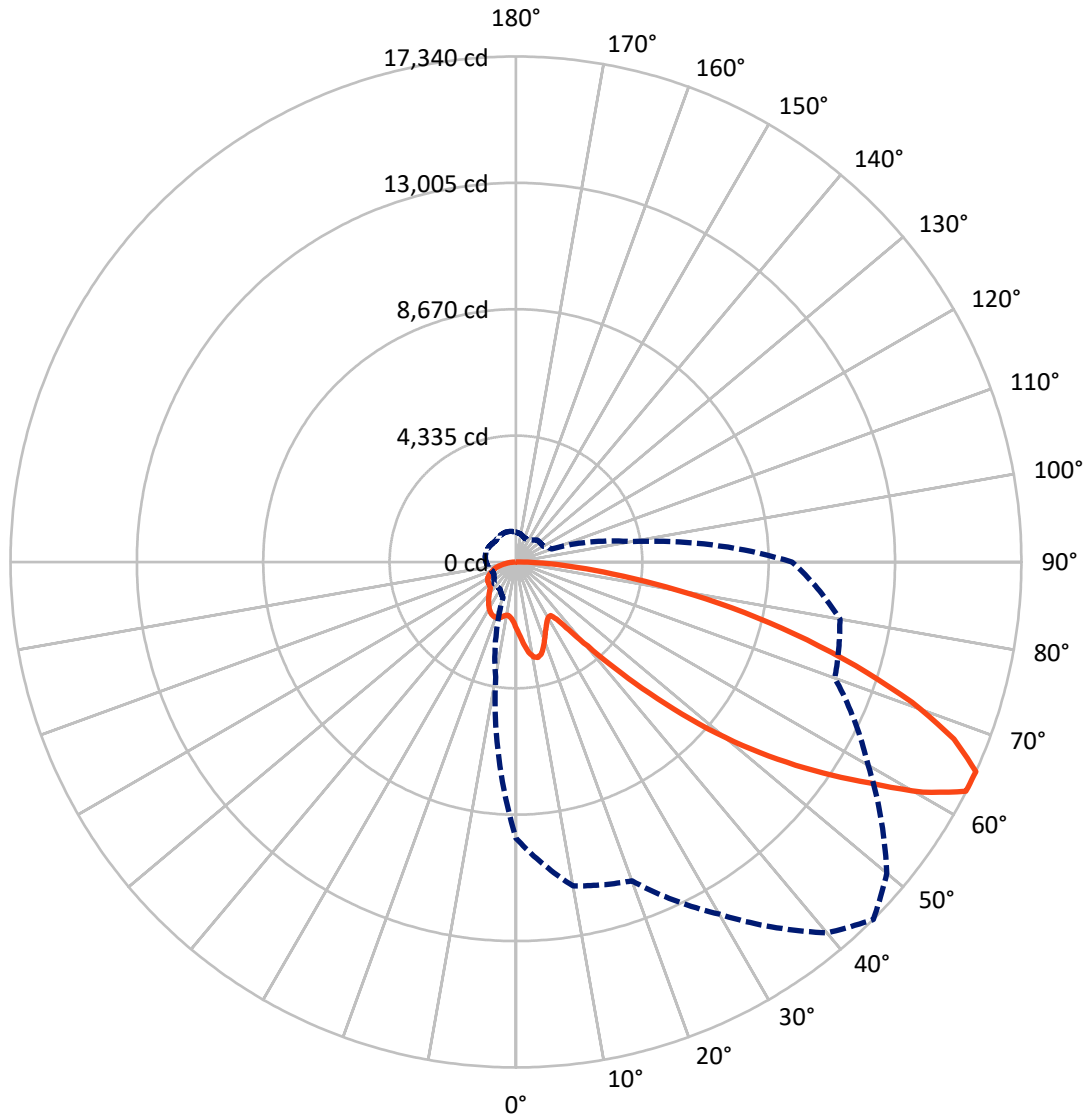
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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
<b>House Side</b>	Lumens	4222.7	0.0	4222.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	12392.3	0.0	12392.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	16615.0	0.0	16615.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.6	1.4
10°-20°	711.5	4.3
20°-30°	1099.0	6.6
30°-40°	1392.7	8.4
40°-50°	2100.5	12.6
50°-60°	3393.7	20.4
60°-70°	4230.8	25.5
70°-80°	2774.3	16.7
80°-90°	685.9	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	16615.0	100.0
0°-180°	16615.0	100.0



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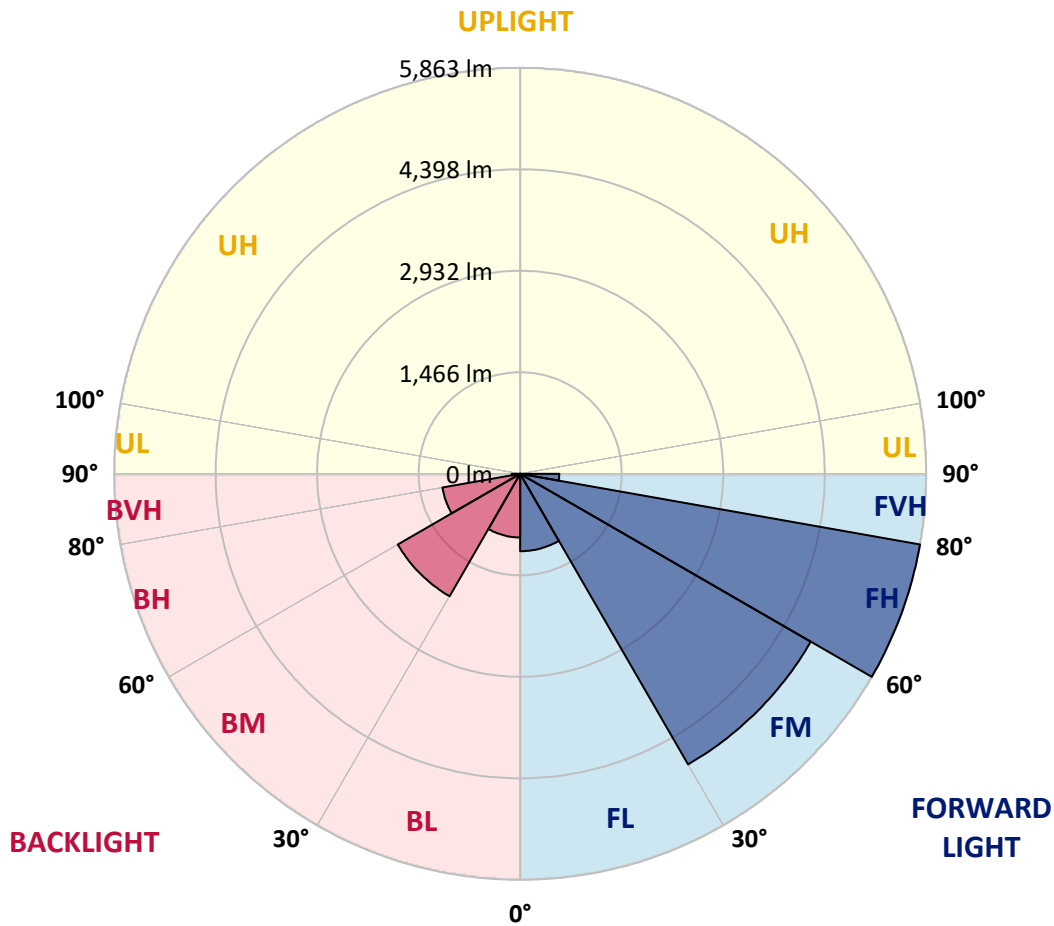
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1117.6	6.7			
FM (30°-60°)	4846.2	29.2			
FH (60°-80°)	5863.5	35.3			G3/7500
FVH (80°-90°)	565.0	3.4			G4/750
BL (0°-30°)	919.5	5.5	B2/1000		
BM (30°-60°)	2040.7	12.3	B2/2500		
BH (60°-80°)	1141.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	120.9	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°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2.5°	2457.0	2466.3	2475.7	2488.9	2502.1	2510.0	2517.9	2521.9	2525.8	2524.0
5°	2642.0	2674.5	2707.1	2739.4	2771.7	2789.3	2806.8	2817.4	2828.1	2836.2
7.5°	2827.8	2880.8	2933.6	2981.3	3028.9	3057.5	3086.2	3101.7	3117.1	3124.6
10°	2970.3	3032.9	3095.5	3151.3	3207.2	3241.0	3274.7	3289.8	3304.8	3310.5
12.5°	3057.5	3125.4	3193.2	3243.7	3294.0	3318.5	3343.1	3351.3	3359.6	3360.4
15°	3110.6	3169.1	3227.6	3259.3	3291.0	3291.9	3292.7	3284.0	3275.2	3264.9
17.5°	3140.4	3179.9	3219.5	3220.1	3220.6	3185.1	3149.6	3117.1	3084.4	3061.5
20°	3173.3	3187.0	3200.9	3159.2	3117.6	3039.2	2960.8	2903.8	2846.7	2811.6
22.5°	3211.4	3193.3	3175.3	3089.0	3002.7	2887.4	2772.2	2700.8	2629.4	2590.7
25°	3260.5	3203.5	3146.5	3015.5	2884.6	2744.5	2604.5	2529.5	2454.6	2418.0
27.5°	3327.1	3225.2	3123.3	2949.8	2776.4	2621.2	2466.0	2392.2	2318.5	2283.8
30°	3417.0	3265.0	3113.2	2899.6	2686.1	2524.4	2362.7	2294.3	2225.8	2193.5
32.5°	3523.1	3315.0	3107.1	2865.4	2623.8	2471.9	2319.9	2266.2	2212.4	2189.1
35°	3651.9	3397.3	3142.8	2891.0	2639.3	2533.8	2428.3	2415.8	2403.2	2401.3
37.5°	3868.9	3569.4	3270.0	3041.1	2812.3	2805.5	2798.6	2856.0	2913.3	2943.1
40°	4196.8	3871.1	3545.4	3375.2	3205.1	3325.2	3445.3	3584.7	3724.1	3793.5
42.5°	4631.7	4308.5	3985.3	3887.3	3789.3	4051.3	4313.2	4566.8	4820.3	4969.2
45°	5168.6	4878.4	4588.0	4544.8	4501.5	4921.1	5340.9	5757.5	6174.2	6427.2
47.5°	5840.2	5557.8	5275.3	5266.6	5257.8	5863.3	6468.5	7078.5	7688.3	8046.4
50°	6720.4	6371.6	6022.8	6024.3	6025.8	6806.1	7586.3	8391.4	9196.5	9683.3
52.5°	7730.8	7308.4	6886.1	6843.4	6800.6	7732.7	8664.7	9660.8	10656.8	11240.3
55°	8806.5	8389.2	7971.9	7805.4	7638.9	8676.3	9713.5	10901.0	12088.5	12782.4
57.5°	9785.0	9557.7	9330.4	8996.4	8662.6	9710.0	10757.4	12102.5	13447.4	14307.9
60°	10376.3	10729.3	11082.3	10667.6	10252.9	11244.2	12235.4	13675.4	15115.5	16045.5
62.5°	10076.0	11040.5	12005.0	11958.2	11911.4	12819.4	13727.5	15097.6	16467.7	17327.3
65°	9475.0	10380.2	11285.4	11464.6	11643.6	12797.5	13951.5	15280.1	16608.6	17340.4
67.5°	8669.8	9530.7	10391.6	10475.6	10559.5	11761.9	12964.1	14298.3	15632.6	16206.0
70°	7702.3	8638.7	9575.2	9612.8	9650.4	10725.6	11800.7	12948.9	14097.1	14415.7
72.5°	6549.5	7624.0	8698.7	8725.7	8752.6	9593.8	10435.0	11295.0	12154.9	12187.1
75°	5091.1	6203.2	7315.4	7415.3	7515.2	8169.6	8824.1	9429.5	10034.8	9872.6
77.5°	3637.5	4675.7	5714.0	5856.9	5999.8	6497.3	6994.8	7424.2	7853.6	7574.8
80°	2380.7	3254.2	4127.5	4305.2	4482.8	4858.6	5234.1	5459.6	5685.0	5236.6
82.5°	1383.9	1981.0	2578.2	2776.6	2975.1	3233.7	3492.4	3586.4	3680.4	3328.0
85°	608.9	925.8	1242.7	1411.5	1580.3	1792.8	2005.2	2058.6	2112.0	1829.7
87.5°	188.5	295.0	401.5	495.7	589.9	696.1	802.4	806.9	811.4	681.2
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2525.8	2.5°	2521.9	2517.9	2510.0	2502.1	2488.9	2475.7	2466.3	2457.0	2438.1	2419.3
2828.1	5°	2817.4	2806.8	2789.3	2771.7	2739.4	2707.1	2674.5	2642.0	2600.3	2558.7
3117.1	7.5°	3101.7	3086.2	3057.5	3028.9	2981.3	2933.6	2880.8	2827.8	2759.1	2690.4
3304.8	10°	3289.8	3274.7	3241.0	3207.2	3151.3	3095.5	3032.9	2970.3	2883.4	2796.5
3359.6	12.5°	3351.3	3343.1	3318.5	3294.0	3243.7	3193.2	3125.4	3057.5	2962.1	2866.7
3275.2	15°	3284.0	3292.7	3291.9	3291.0	3259.3	3227.6	3169.1	3110.6	3011.1	2911.6
3084.4	17.5°	3117.1	3149.6	3185.1	3220.6	3220.1	3219.5	3179.9	3140.4	3039.5	2938.6
2846.7	20°	2903.8	2960.8	3039.2	3117.6	3159.2	3200.9	3187.0	3173.3	3068.4	2963.5
2629.4	22.5°	2700.8	2772.2	2887.4	3002.7	3089.0	3175.3	3193.3	3211.4	3104.3	2997.0
2454.6	25°	2529.5	2604.5	2744.5	2884.6	3015.5	3146.5	3203.5	3260.5	3155.5	3050.5
2318.5	27.5°	2392.2	2466.0	2621.2	2776.4	2949.8	3123.3	3225.2	3327.1	3227.0	3126.8
2225.8	30°	2294.3	2362.7	2524.4	2686.1	2899.6	3113.2	3265.0	3417.0	3320.2	3223.5
2212.4	32.5°	2266.2	2319.9	2471.9	2623.8	2865.4	3107.1	3315.0	3523.1	3427.2	3331.5
2403.2	35°	2415.8	2428.3	2533.8	2639.3	2891.0	3142.8	3397.3	3651.9	3560.2	3468.4
2913.3	37.5°	2856.0	2798.6	2805.5	2812.3	3041.1	3270.0	3569.4	3868.9	3752.0	3635.0
3724.1	40°	3584.7	3445.3	3325.2	3205.1	3375.2	3545.4	3871.1	4196.8	4026.4	3855.9
4820.3	42.5°	4566.8	4313.2	4051.3	3789.3	3887.3	3985.3	4308.5	4631.7	4385.7	4139.6
6174.2	45°	5757.5	5340.9	4921.1	4501.5	4544.8	4588.0	4878.4	5168.6	4836.8	4505.0
7688.3	47.5°	7078.5	6468.5	5863.3	5257.8	5266.6	5275.3	5557.8	5840.2	5373.2	4906.1
9196.5	50°	8391.4	7586.3	6806.1	6025.8	6024.3	6022.8	6371.6	6720.4	6016.3	5312.2
10656.8	52.5°	9660.8	8664.7	7732.7	6800.6	6843.4	6886.1	7308.4	7730.8	6691.9	5653.0
12088.5	55°	10901.0	9713.5	8676.3	7638.9	7805.4	7971.9	8389.2	8806.5	7290.9	5775.3
13447.4	57.5°	12102.5	10757.4	9710.0	8662.6	8996.4	9330.4	9557.7	9785.0	7715.4	5645.8
15115.5	60°	13675.4	12235.4	11244.2	10252.9	10667.6	11082.3	10729.3	10376.3	7821.5	5266.6
16467.7	62.5°	15097.6	13727.5	12819.4	11911.4	11958.2	12005.0	11040.5	10076.0	7374.8	4673.6
16608.6	65°	15280.1	13951.5	12797.5	11643.6	11464.6	11285.4	10380.2	9475.0	6742.8	4010.5
15632.6	67.5°	14298.3	12964.1	11761.9	10559.5	10475.6	10391.6	9530.7	8669.8	5990.6	3311.5
14097.1	70°	12948.9	11800.7	10725.6	9650.4	9612.8	9575.2	8638.7	7702.3	5170.0	2637.6
12154.9	72.5°	11295.0	10435.0	9593.8	8752.6	8725.7	8698.7	7624.0	6549.5	4280.3	2011.2
10034.8	75°	9429.5	8824.1	8169.6	7515.2	7415.3	7315.4	6203.2	5091.1	3260.4	1429.7
7853.6	77.5°	7424.2	6994.8	6497.3	5999.8	5856.9	5714.0	4675.7	3637.5	2282.0	926.5
5685.0	80°	5459.6	5234.1	4858.6	4482.8	4305.2	4127.5	3254.2	2380.7	1470.2	559.8
3680.4	82.5°	3586.4	3492.4	3233.7	2975.1	2776.6	2578.2	1981.0	1383.9	850.9	318.1
2112.0	85°	2058.6	2005.2	1792.8	1580.3	1411.5	1242.7	925.8	608.9	382.8	156.8
811.4	87.5°	806.9	802.4	696.1	589.9	495.7	401.5	295.0	188.5	125.4	62.2
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2399.2	2.5°	2379.2	2359.1	2338.9	2319.6	2300.3	2281.6	2260.9	2244.0	2227.3	2212.1
2517.1	5°	2475.7	2433.8	2392.1	2353.1	2314.1	2277.3	2240.9	2209.1	2177.3	2150.7
2627.0	7.5°	2563.5	2501.7	2439.9	2385.4	2331.0	2280.8	2233.7	2191.4	2149.3	2114.2
2712.6	10°	2628.8	2553.8	2478.6	2414.3	2349.8	2287.8	2237.2	2192.7	2148.1	2113.0
2771.6	12.5°	2676.6	2588.0	2499.5	2426.6	2353.8	2288.7	2241.6	2205.1	2168.8	2145.5
2808.5	15°	2705.4	2603.4	2501.4	2417.1	2332.7	2260.6	2222.9	2205.5	2188.1	2191.2
2826.1	17.5°	2713.6	2595.2	2476.9	2375.4	2274.0	2189.1	2165.9	2172.3	2178.6	2216.8
2839.8	20°	2716.2	2572.8	2429.4	2303.6	2177.9	2079.1	2073.0	2102.8	2132.6	2199.0
2858.4	22.5°	2719.7	2545.3	2370.8	2219.4	2068.0	1955.5	1967.5	2011.6	2055.7	2131.5
2892.1	25°	2733.6	2518.1	2302.7	2125.3	1948.0	1832.8	1865.2	1916.0	1966.9	2035.0
2944.7	27.5°	2762.5	2499.9	2237.4	2039.3	1841.3	1736.3	1775.8	1824.9	1874.0	1930.0
3012.8	30°	2802.1	2491.4	2180.6	1967.4	1754.3	1666.2	1697.1	1736.1	1775.2	1821.6
3083.9	32.5°	2836.3	2480.9	2125.3	1905.4	1685.5	1614.5	1628.2	1651.3	1674.3	1711.4
3164.9	35°	2861.4	2461.1	2061.0	1844.5	1628.0	1568.9	1563.2	1569.5	1575.9	1604.2
3255.7	37.5°	2876.3	2427.2	1978.0	1772.8	1567.6	1515.8	1495.0	1488.0	1480.9	1501.3
3370.9	40°	2885.7	2380.4	1875.3	1687.2	1499.2	1452.3	1420.3	1404.4	1388.5	1403.2
3521.6	42.5°	2903.5	2332.2	1761.1	1592.8	1424.5	1381.3	1340.9	1319.9	1298.8	1310.8
3719.9	45°	2934.8	2287.4	1640.1	1492.5	1344.9	1301.0	1262.0	1241.5	1221.1	1231.1
3931.2	47.5°	2956.3	2250.4	1544.6	1413.2	1281.7	1225.2	1191.6	1174.4	1157.3	1166.7
4127.2	50°	2942.2	2210.1	1478.0	1360.5	1243.0	1168.7	1129.6	1114.4	1099.2	1113.9
4254.5	52.5°	2855.9	2142.0	1428.2	1325.8	1223.4	1138.0	1083.4	1068.4	1053.4	1075.5
4226.4	55°	2677.5	2029.1	1380.6	1300.6	1220.6	1141.0	1058.9	1035.0	1011.3	1042.8
4029.0	57.5°	2412.3	1869.8	1327.3	1270.8	1214.2	1144.1	1044.2	1009.4	974.7	1008.6
3661.6	60°	2056.6	1663.1	1269.7	1225.2	1180.8	1134.5	1030.3	985.3	940.3	970.0
3164.7	62.5°	1655.9	1415.7	1175.5	1145.9	1116.5	1110.8	1014.2	957.9	901.7	920.5
2657.8	65°	1305.2	1193.1	1081.0	1067.0	1053.1	1053.8	980.2	920.4	860.5	867.8
2161.3	67.5°	1011.0	979.2	947.3	955.1	962.8	960.9	919.5	869.7	819.9	817.6
1701.7	70°	765.8	774.9	784.0	820.1	856.1	856.1	842.5	807.1	771.7	763.8
1300.9	72.5°	590.7	618.2	645.7	696.9	748.0	756.6	756.8	732.5	708.2	696.6
944.2	75°	458.7	483.6	508.5	565.8	623.2	662.8	659.5	640.8	622.0	611.0
639.8	77.5°	353.1	370.1	387.1	442.7	498.4	563.7	562.0	547.0	532.0	520.8
412.2	80°	264.8	271.8	278.8	326.0	373.0	451.1	450.8	438.3	425.6	416.3
253.5	82.5°	189.2	190.4	191.8	226.5	261.3	327.9	331.6	325.4	319.3	312.6
135.5	85°	114.4	113.8	113.1	138.5	163.9	213.5	218.3	211.7	205.2	197.7
56.2	87.5°	50.1	49.5	48.9	59.3	69.7	90.3	96.4	93.8	91.2	89.8
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2197.0	2.5°	2183.8	2170.6	2157.2	2144.0	2133.7	2123.4	2115.1	2106.7	2100.2	2093.8
2124.1	5°	2100.6	2077.1	2055.8	2034.4	2018.0	2001.5	1990.0	1978.6	1970.4	1962.3
2079.1	7.5°	2049.6	2019.9	1993.8	1967.8	1948.2	1928.8	1915.1	1901.4	1892.0	1882.7
2078.0	10°	2046.2	2014.2	1984.9	1955.5	1932.2	1908.8	1893.5	1878.1	1869.2	1860.4
2122.3	12.5°	2097.3	2072.4	2041.9	2011.6	1981.8	1952.0	1932.3	1912.5	1902.6	1892.8
2194.4	15°	2187.9	2181.4	2155.0	2128.7	2086.2	2043.8	2013.8	1983.8	1970.1	1956.4
2255.1	17.5°	2275.4	2295.7	2274.4	2253.1	2196.9	2140.7	2096.6	2052.4	2032.0	2011.6
2265.4	20°	2307.9	2350.5	2340.6	2330.7	2266.5	2202.3	2148.1	2094.0	2068.0	2041.9
2207.4	22.5°	2262.7	2318.0	2324.0	2329.9	2268.5	2207.1	2151.4	2095.5	2068.1	2040.5
2103.2	25°	2157.7	2212.1	2232.5	2252.7	2202.4	2152.1	2102.5	2053.1	2029.2	2005.5
1985.9	27.5°	2029.6	2073.2	2095.9	2118.6	2082.7	2046.9	2008.5	1970.0	1954.0	1938.0
1868.1	30°	1904.3	1940.6	1959.0	1977.4	1950.2	1922.8	1895.3	1867.6	1859.4	1851.2
1748.6	32.5°	1783.3	1818.1	1838.5	1859.1	1834.0	1808.8	1786.8	1764.8	1759.5	1754.1
1632.4	35°	1666.8	1701.3	1725.8	1750.4	1732.5	1714.7	1694.3	1674.1	1665.9	1657.9
1521.5	37.5°	1555.8	1590.2	1620.5	1650.8	1642.6	1634.4	1615.7	1596.9	1582.1	1567.4
1417.8	40°	1451.0	1484.1	1519.0	1554.0	1556.0	1557.9	1542.0	1526.2	1504.6	1483.2
1322.8	42.5°	1354.2	1385.6	1423.3	1461.0	1471.1	1481.2	1467.8	1454.5	1427.7	1401.0
1241.2	45°	1271.1	1300.9	1340.0	1379.1	1393.5	1408.0	1395.9	1383.9	1353.3	1322.8
1176.1	47.5°	1205.3	1234.4	1273.0	1311.6	1328.2	1344.9	1336.5	1328.0	1300.9	1273.7
1128.8	50°	1156.3	1183.7	1218.3	1252.8	1274.2	1295.6	1295.1	1294.7	1273.0	1251.2
1097.6	52.5°	1122.9	1148.1	1180.2	1212.5	1237.8	1263.2	1267.7	1272.3	1254.6	1236.9
1074.1	55°	1101.3	1128.5	1156.7	1184.9	1211.7	1238.6	1244.9	1251.2	1235.8	1220.4
1042.4	57.5°	1074.3	1106.2	1134.1	1162.1	1189.2	1216.2	1222.6	1229.0	1213.4	1197.8
999.6	60°	1036.3	1072.9	1101.2	1129.6	1156.8	1184.0	1191.0	1198.0	1182.8	1167.6
939.4	62.5°	982.1	1024.9	1055.1	1085.4	1110.3	1135.2	1141.9	1148.7	1134.9	1121.1
875.0	65°	920.7	966.6	995.5	1024.4	1046.4	1068.3	1075.2	1082.0	1068.8	1055.6
815.3	67.5°	857.6	899.9	927.4	954.7	973.7	992.6	999.4	1006.0	993.8	981.7
755.9	70°	793.1	830.2	853.9	877.6	894.7	911.8	918.3	924.8	914.8	904.9
685.1	72.5°	714.4	743.6	765.0	786.4	803.2	819.9	827.6	835.3	827.1	818.8
599.8	75°	621.6	643.3	662.7	682.1	697.3	712.6	720.7	728.7	724.7	720.7
509.5	77.5°	527.3	544.9	561.5	578.2	594.2	610.2	617.7	625.3	619.7	613.9
406.8	80°	421.5	436.2	450.2	464.2	476.4	488.5	498.5	508.5	506.0	503.7
306.0	82.5°	304.7	303.5	298.6	293.7	319.6	345.6	362.6	379.6	378.6	377.4
190.2	85°	183.9	177.5	163.9	150.4	174.6	199.0	220.1	241.1	239.3	237.6
88.4	87.5°	88.1	87.8	77.5	67.1	77.2	87.5	96.0	104.5	102.4	100.1
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2087.8	2.5°	2081.7	2074.3	2081.7	2087.8	2093.8	2100.2	2106.7	2115.1	2123.4	2133.7
1956.0	5°	1949.8	1943.7	1949.8	1956.0	1962.3	1970.4	1978.6	1990.0	2001.5	2018.0
1877.1	7.5°	1871.6	1867.4	1871.6	1877.1	1882.7	1892.0	1901.4	1915.1	1928.8	1948.2
1855.6	10°	1850.9	1849.0	1850.9	1855.6	1860.4	1869.2	1878.1	1893.5	1908.8	1932.2
1888.8	12.5°	1884.8	1884.0	1884.8	1888.8	1892.8	1902.6	1912.5	1932.3	1952.0	1981.8
1951.1	15°	1945.9	1945.4	1945.9	1951.1	1956.4	1970.1	1983.8	2013.8	2043.8	2086.2
2004.9	17.5°	1998.2	1997.1	1998.2	2004.9	2011.6	2032.0	2052.4	2096.6	2140.7	2196.9
2033.5	20°	2025.2	2022.6	2025.2	2033.5	2041.9	2068.0	2094.0	2148.1	2202.3	2266.5
2031.3	22.5°	2022.1	2018.2	2022.1	2031.3	2040.5	2068.1	2095.5	2151.4	2207.1	2268.5
1996.8	25°	1988.2	1983.1	1988.2	1996.8	2005.5	2029.2	2053.1	2102.5	2152.1	2202.4
1934.0	27.5°	1930.1	1928.8	1930.1	1934.0	1938.0	1954.0	1970.0	2008.5	2046.9	2082.7
1851.2	30°	1851.2	1852.5	1851.2	1851.2	1851.2	1859.4	1867.6	1895.3	1922.8	1950.2
1754.8	32.5°	1755.6	1756.9	1755.6	1754.8	1754.1	1759.5	1764.8	1786.8	1808.8	1834.0
1656.1	35°	1654.4	1653.5	1654.4	1656.1	1657.9	1665.9	1674.1	1694.3	1714.7	1732.5
1559.6	37.5°	1551.8	1547.4	1551.8	1559.6	1567.4	1582.1	1596.9	1615.7	1634.4	1642.6
1468.7	40°	1454.3	1445.7	1454.3	1468.7	1483.2	1504.6	1526.2	1542.0	1557.9	1556.0
1379.9	42.5°	1358.7	1344.9	1358.7	1379.9	1401.0	1427.7	1454.5	1467.8	1481.2	1471.1
1298.0	45°	1273.2	1257.2	1273.2	1298.0	1322.8	1353.3	1383.9	1395.9	1408.0	1393.5
1250.7	47.5°	1227.8	1212.5	1227.8	1250.7	1273.7	1300.9	1328.0	1336.5	1344.9	1328.2
1230.0	50°	1208.8	1194.1	1208.8	1230.0	1251.2	1273.0	1294.7	1295.1	1295.6	1274.2
1217.8	52.5°	1198.9	1185.3	1198.9	1217.8	1236.9	1254.6	1272.3	1267.7	1263.2	1237.8
1203.7	55°	1187.1	1174.8	1187.1	1203.7	1220.4	1235.8	1251.2	1244.9	1238.6	1211.7
1181.3	57.5°	1164.7	1152.0	1164.7	1181.3	1197.8	1213.4	1229.0	1222.6	1216.2	1189.2
1150.6	60°	1133.6	1120.4	1133.6	1150.6	1167.6	1182.8	1198.0	1191.0	1184.0	1156.8
1103.3	62.5°	1085.4	1069.6	1085.4	1103.3	1121.1	1134.9	1148.7	1141.9	1135.2	1110.3
1038.2	65°	1020.9	1007.3	1020.9	1038.2	1055.6	1068.8	1082.0	1075.2	1068.3	1046.4
965.6	67.5°	949.5	937.2	949.5	965.6	981.7	993.8	1006.0	999.4	992.6	973.7
889.5	70°	874.1	860.1	874.1	889.5	904.9	914.8	924.8	918.3	911.8	894.7
804.1	72.5°	789.5	775.9	789.5	804.1	818.8	827.1	835.3	827.6	819.9	803.2
708.3	75°	695.9	683.0	695.9	708.3	720.7	724.7	728.7	720.7	712.6	697.3
601.4	77.5°	589.0	578.6	589.0	601.4	613.9	619.7	625.3	617.7	610.2	594.2
486.9	80°	470.1	450.6	470.1	486.9	503.7	506.0	508.5	498.5	488.5	476.4
363.3	82.5°	349.1	336.7	349.1	363.3	377.4	378.6	379.6	362.6	345.6	319.6
226.5	85°	215.5	204.3	215.5	226.5	237.6	239.3	241.1	220.1	199.0	174.6
94.5	87.5°	88.7	83.3	88.7	94.5	100.1	102.4	104.5	96.0	87.5	77.2
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2144.0	2.5°	2157.2	2170.6	2183.8	2197.0	2212.1	2227.3	2244.0	2260.9	2281.6	2300.3
2034.4	5°	2055.8	2077.1	2100.6	2124.1	2150.7	2177.3	2209.1	2240.9	2277.3	2314.1
1967.8	7.5°	1993.8	2019.9	2049.6	2079.1	2114.2	2149.3	2191.4	2233.7	2280.8	2331.0
1955.5	10°	1984.9	2014.2	2046.2	2078.0	2113.0	2148.1	2192.7	2237.2	2287.8	2349.8
2011.6	12.5°	2041.9	2072.4	2097.3	2122.3	2145.5	2168.8	2205.1	2241.6	2288.7	2353.8
2128.7	15°	2155.0	2181.4	2187.9	2194.4	2191.2	2188.1	2205.5	2222.9	2260.6	2332.7
2253.1	17.5°	2274.4	2295.7	2275.4	2255.1	2216.8	2178.6	2172.3	2165.9	2189.1	2274.0
2330.7	20°	2340.6	2350.5	2307.9	2265.4	2199.0	2132.6	2102.8	2073.0	2079.1	2177.9
2329.9	22.5°	2324.0	2318.0	2262.7	2207.4	2131.5	2055.7	2011.6	1967.5	1955.5	2068.0
2252.7	25°	2232.5	2212.1	2157.7	2103.2	2035.0	1966.9	1916.0	1865.2	1832.8	1948.0
2118.6	27.5°	2095.9	2073.2	2029.6	1985.9	1930.0	1874.0	1824.9	1775.8	1736.3	1841.3
1977.4	30°	1959.0	1940.6	1904.3	1868.1	1821.6	1775.2	1736.1	1697.1	1666.2	1754.3
1859.1	32.5°	1838.5	1818.1	1783.3	1748.6	1711.4	1674.3	1651.3	1628.2	1614.5	1685.5
1750.4	35°	1725.8	1701.3	1666.8	1632.4	1604.2	1575.9	1569.5	1563.2	1568.9	1628.0
1650.8	37.5°	1620.5	1590.2	1555.8	1521.5	1501.3	1480.9	1488.0	1495.0	1515.8	1567.6
1554.0	40°	1519.0	1484.1	1451.0	1417.8	1403.2	1388.5	1404.4	1420.3	1452.3	1499.2
1461.0	42.5°	1423.3	1385.6	1354.2	1322.8	1310.8	1298.8	1319.9	1340.9	1381.3	1424.5
1379.1	45°	1340.0	1300.9	1271.1	1241.2	1231.1	1221.1	1241.5	1262.0	1301.0	1344.9
1311.6	47.5°	1273.0	1234.4	1205.3	1176.1	1166.7	1157.3	1174.4	1191.6	1225.2	1281.7
1252.8	50°	1218.3	1183.7	1156.3	1128.8	1113.9	1099.2	1114.4	1129.6	1168.7	1243.0
1212.5	52.5°	1180.2	1148.1	1122.9	1097.6	1075.5	1053.4	1068.4	1083.4	1138.0	1223.4
1184.9	55°	1156.7	1128.5	1101.3	1074.1	1042.8	1011.3	1035.0	1058.9	1141.0	1220.6
1162.1	57.5°	1134.1	1106.2	1074.3	1042.4	1008.6	974.7	1009.4	1044.2	1144.1	1214.2
1129.6	60°	1101.2	1072.9	1036.3	999.6	970.0	940.3	985.3	1030.3	1134.5	1180.8
1085.4	62.5°	1055.1	1024.9	982.1	939.4	920.5	901.7	957.9	1014.2	1110.8	1116.5
1024.4	65°	995.5	966.6	920.7	875.0	867.8	860.5	920.4	980.2	1053.8	1053.1
954.7	67.5°	927.4	899.9	857.6	815.3	817.6	819.9	869.7	919.5	960.9	962.8
877.6	70°	853.9	830.2	793.1	755.9	763.8	771.7	807.1	842.5	856.1	856.1
786.4	72.5°	765.0	743.6	714.4	685.1	696.6	708.2	732.5	756.8	756.6	748.0
682.1	75°	662.7	643.3	621.6	599.8	611.0	622.0	640.8	659.5	662.8	623.2
578.2	77.5°	561.5	544.9	527.3	509.5	520.8	532.0	547.0	562.0	563.7	498.4
464.2	80°	450.2	436.2	421.5	406.8	416.3	425.6	438.3	450.8	451.1	373.0
293.7	82.5°	298.6	303.5	304.7	306.0	312.6	319.3	325.4	331.6	327.9	261.3
150.4	85°	163.9	177.5	183.9	190.2	197.7	205.2	211.7	218.3	213.5	163.9
67.1	87.5°	77.5	87.8	88.1	88.4	89.8	91.2	93.8	96.4	90.3	69.7
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°
2284.7	0°	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7	2284.7
2319.6	2.5°	2338.9	2359.1	2379.2	2399.2	2419.3	2438.1	2457.0
2353.1	5°	2392.1	2433.8	2475.7	2517.1	2558.7	2600.3	2642.0
2385.4	7.5°	2439.9	2501.7	2563.5	2627.0	2690.4	2759.1	2827.8
2414.3	10°	2478.6	2553.8	2628.8	2712.6	2796.5	2883.4	2970.3
2426.6	12.5°	2499.5	2588.0	2676.6	2771.6	2866.7	2962.1	3057.5
2417.1	15°	2501.4	2603.4	2705.4	2808.5	2911.6	3011.1	3110.6
2375.4	17.5°	2476.9	2595.2	2713.6	2826.1	2938.6	3039.5	3140.4
2303.6	20°	2429.4	2572.8	2716.2	2839.8	2963.5	3068.4	3173.3
2219.4	22.5°	2370.8	2545.3	2719.7	2858.4	2997.0	3104.3	3211.4
2125.3	25°	2302.7	2518.1	2733.6	2892.1	3050.5	3155.5	3260.5
2039.3	27.5°	2237.4	2499.9	2762.5	2944.7	3126.8	3227.0	3327.1
1967.4	30°	2180.6	2491.4	2802.1	3012.8	3223.5	3320.2	3417.0
1905.4	32.5°	2125.3	2480.9	2836.3	3083.9	3331.5	3427.2	3523.1
1844.5	35°	2061.0	2461.1	2861.4	3164.9	3468.4	3560.2	3651.9
1772.8	37.5°	1978.0	2427.2	2876.3	3255.7	3635.0	3752.0	3868.9
1687.2	40°	1875.3	2380.4	2885.7	3370.9	3855.9	4026.4	4196.8
1592.8	42.5°	1761.1	2332.2	2903.5	3521.6	4139.6	4385.7	4631.7
1492.5	45°	1640.1	2287.4	2934.8	3719.9	4505.0	4836.8	5168.6
1413.2	47.5°	1544.6	2250.4	2956.3	3931.2	4906.1	5373.2	5840.2
1360.5	50°	1478.0	2210.1	2942.2	4127.2	5312.2	6016.3	6720.4
1325.8	52.5°	1428.2	2142.0	2855.9	4254.5	5653.0	6691.9	7730.8
1300.6	55°	1380.6	2029.1	2677.5	4226.4	5775.3	7290.9	8806.5
1270.8	57.5°	1327.3	1869.8	2412.3	4029.0	5645.8	7715.4	9785.0
1225.2	60°	1269.7	1663.1	2056.6	3661.6	5266.6	7821.5	10376.3
1145.9	62.5°	1175.5	1415.7	1655.9	3164.7	4673.6	7374.8	10076.0
1067.0	65°	1081.0	1193.1	1305.2	2657.8	4010.5	6742.8	9475.0
955.1	67.5°	947.3	979.2	1011.0	2161.3	3311.5	5990.6	8669.8
820.1	70°	784.0	774.9	765.8	1701.7	2637.6	5170.0	7702.3
696.9	72.5°	645.7	618.2	590.7	1300.9	2011.2	4280.3	6549.5
565.8	75°	508.5	483.6	458.7	944.2	1429.7	3260.4	5091.1
442.7	77.5°	387.1	370.1	353.1	639.8	926.5	2282.0	3637.5
326.0	80°	278.8	271.8	264.8	412.2	559.8	1470.2	2380.7
226.5	82.5°	191.8	190.4	189.2	253.5	318.1	850.9	1383.9
138.5	85°	113.1	113.8	114.4	135.5	156.8	382.8	608.9
59.3	87.5°	48.9	49.5	50.1	56.2	62.2	125.4	188.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)