

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: P949628

Luminaire Tested: **GALN-SB4B-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949628
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-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 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: 19554 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

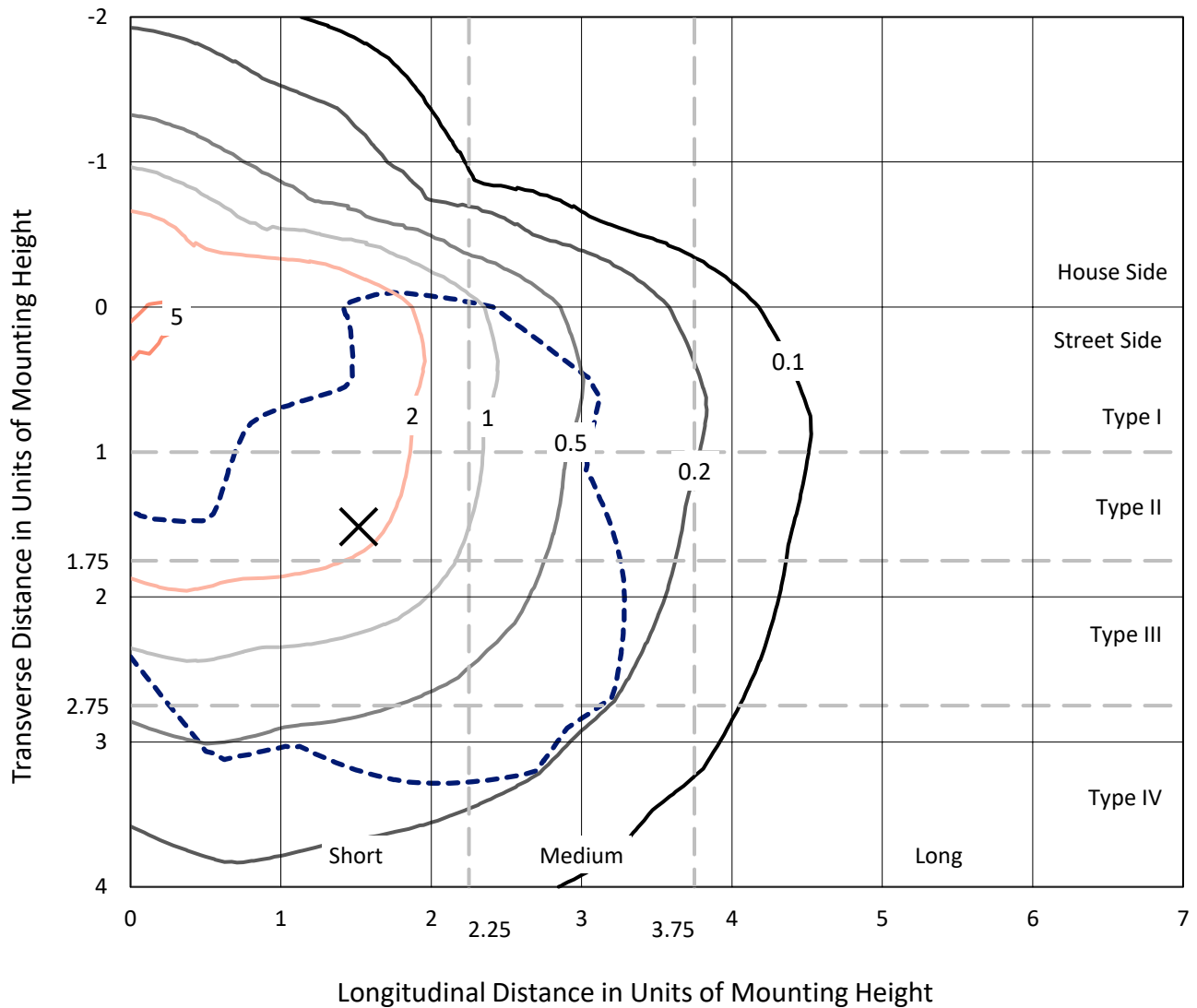
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

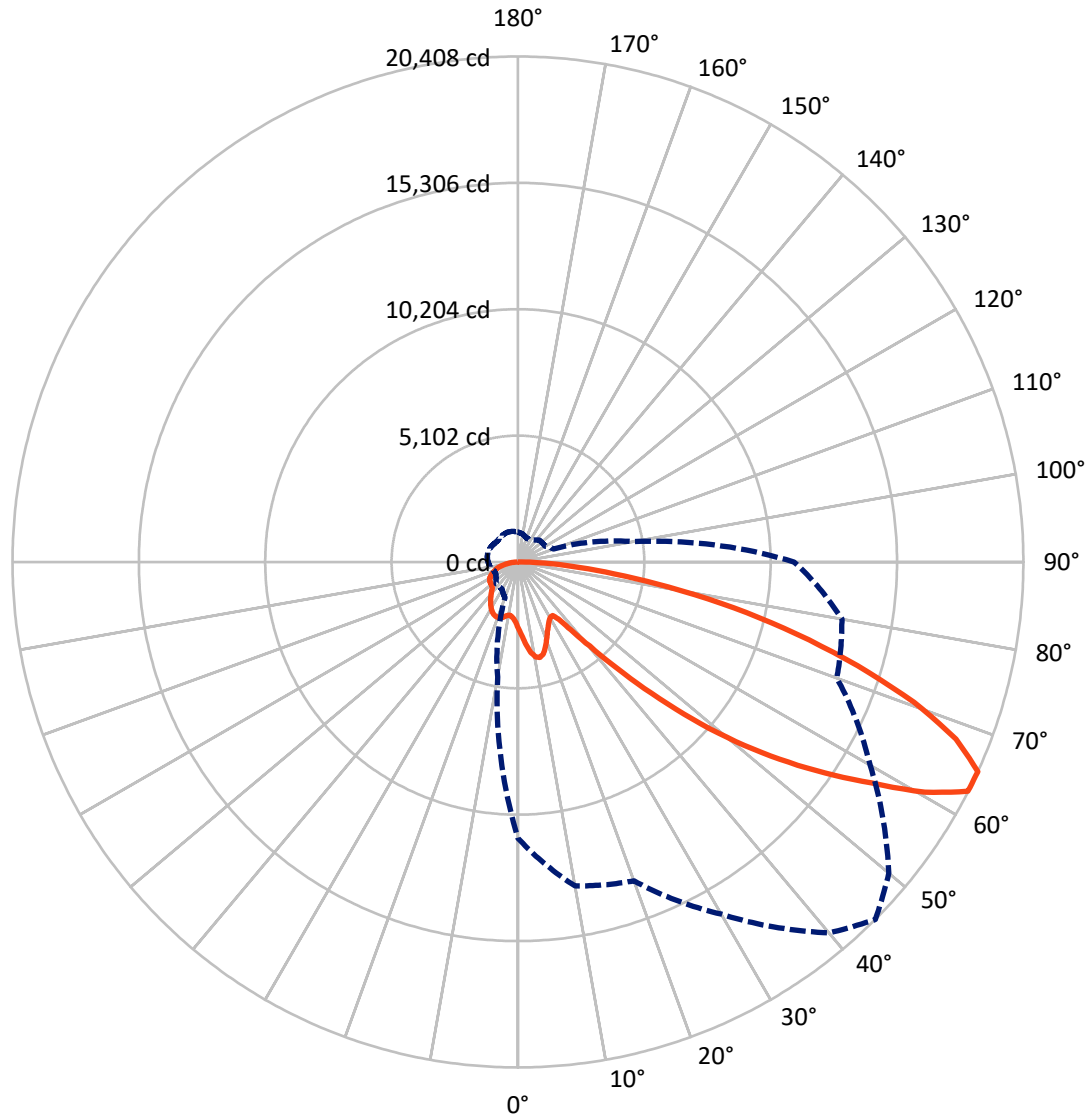
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	4969.6	0.0	4969.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14584.4	0.0	14584.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	19554.0	0.0	19554.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.7	1.4
10°-20°	837.3	4.3
20°-30°	1293.4	6.6
30°-40°	1639.0	8.4
40°-50°	2472.1	12.6
50°-60°	3994.0	20.4
60°-70°	4979.2	25.5
70°-80°	3265.1	16.7
80°-90°	807.2	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°	19554.0	100.0
0°-180°	19554.0	100.0



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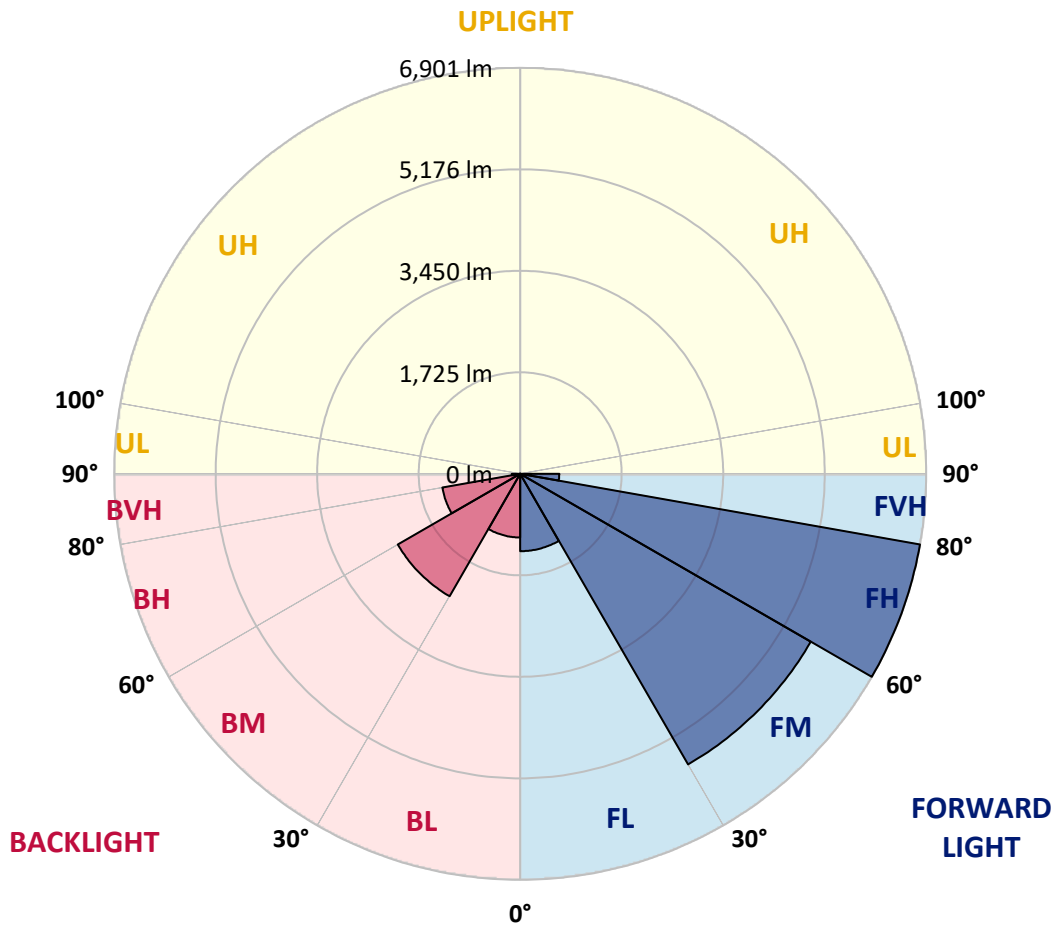
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1315.2	6.7			
FM (30°-60°)	5703.5	29.2			
FH (60°-80°)	6900.7	35.3			G3/7500
FVH (80°-90°)	665.0	3.4			G4/750
BL (0°-30°)	1082.2	5.5	B3/2500		
BM (30°-60°)	2401.6	12.3	B2/2500		
BH (60°-80°)	1343.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	142.2	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°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2.5°	2891.6	2902.5	2913.6	2929.1	2944.7	2954.0	2963.3	2967.9	2972.6	2970.5
5°	3109.3	3147.6	3186.0	3223.9	3262.0	3282.6	3303.3	3315.8	3328.3	3337.8
7.5°	3328.0	3390.4	3452.6	3508.6	3564.6	3598.4	3632.1	3650.4	3668.5	3677.3
10°	3495.7	3569.4	3643.0	3708.8	3774.5	3814.3	3853.9	3871.7	3889.3	3896.0
12.5°	3598.4	3678.2	3758.0	3817.4	3876.6	3905.5	3934.4	3944.1	3953.8	3954.8
15°	3660.8	3729.7	3798.5	3835.8	3873.1	3874.2	3875.2	3864.9	3854.6	3842.4
17.5°	3695.9	3742.4	3788.9	3789.7	3790.3	3748.5	3706.7	3668.4	3630.0	3603.0
20°	3734.6	3750.8	3767.1	3718.1	3669.0	3576.8	3484.6	3417.4	3350.2	3308.9
22.5°	3779.4	3758.2	3736.9	3635.4	3533.9	3398.2	3262.5	3178.5	3094.5	3048.9
25°	3837.2	3770.2	3703.1	3548.9	3394.8	3230.0	3065.2	2976.9	2888.8	2845.7
27.5°	3915.6	3795.7	3675.8	3471.6	3267.5	3084.8	2902.2	2815.3	2728.6	2687.8
30°	4021.4	3842.6	3663.9	3412.5	3161.2	2970.9	2780.7	2700.1	2619.5	2581.5
32.5°	4146.2	3901.4	3656.7	3372.3	3087.9	2909.1	2730.3	2667.1	2603.7	2576.4
35°	4297.9	3998.3	3698.8	3402.4	3106.2	2982.0	2857.9	2843.1	2828.3	2826.1
37.5°	4553.3	4200.8	3848.4	3579.1	3309.8	3301.7	3293.7	3361.2	3428.6	3463.7
40°	4939.2	4555.9	4172.6	3972.3	3772.0	3913.4	4054.7	4218.8	4382.8	4464.6
42.5°	5450.9	5070.6	4690.3	4575.0	4459.6	4767.9	5076.2	5374.6	5673.0	5848.2
45°	6082.9	5741.3	5399.6	5348.7	5297.7	5791.6	6285.7	6776.0	7266.4	7564.0
47.5°	6873.3	6540.9	6208.5	6198.2	6187.8	6900.4	7612.7	8330.6	9048.3	9469.8
50°	7909.2	7498.6	7088.2	7089.9	7091.7	8010.0	8928.3	9875.8	10823.3	11396.1
52.5°	9098.3	8601.2	8104.2	8053.9	8003.6	9100.5	10197.4	11369.7	12541.9	13228.6
55°	10364.3	9873.2	9382.1	9186.1	8990.2	10211.0	11431.7	12829.3	14226.8	15043.5
57.5°	11515.8	11248.4	10980.8	10587.8	10194.9	11427.6	12660.3	14243.2	15826.1	16838.8
60°	12211.7	12627.1	13042.6	12554.6	12066.6	13233.1	14399.7	16094.5	17789.3	18883.8
62.5°	11858.4	12993.4	14128.5	14073.5	14018.4	15087.0	16155.8	17768.2	19380.6	20392.3
65°	11151.1	12216.4	13281.7	13492.5	13703.2	15061.2	16419.4	17983.0	19546.4	20407.8
67.5°	10203.4	11216.6	12229.8	12328.6	12427.4	13842.4	15257.3	16827.6	18397.8	19072.6
70°	9064.8	10166.8	11269.0	11313.2	11357.4	12622.8	13888.1	15239.4	16590.7	16965.7
72.5°	7708.0	8972.6	10237.4	10269.2	10300.9	11290.9	12280.9	13293.0	14304.9	14342.9
75°	5991.6	7300.5	8609.5	8727.0	8844.5	9614.7	10385.0	11097.4	11809.9	11619.0
77.5°	4280.9	5502.7	6724.7	6892.9	7061.1	7646.6	8232.1	8737.4	9242.8	8914.7
80°	2801.8	3829.8	4857.7	5066.7	5275.7	5718.0	6160.0	6425.4	6690.6	6162.9
82.5°	1628.7	2331.4	3034.3	3267.8	3501.4	3805.8	4110.1	4220.8	4331.5	3916.7
85°	716.6	1089.6	1462.6	1661.2	1859.8	2109.9	2359.9	2422.7	2485.6	2153.3
87.5°	221.8	347.2	472.6	583.4	694.2	819.2	944.3	949.7	954.9	801.7
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°
2688.8	0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2972.6	2.5°	2967.9	2963.3	2954.0	2944.7	2929.1	2913.6	2902.5	2891.6	2869.4	2847.2
3328.3	5°	3315.8	3303.3	3282.6	3262.0	3223.9	3186.0	3147.6	3109.3	3060.3	3011.3
3668.5	7.5°	3650.4	3632.1	3598.4	3564.6	3508.6	3452.6	3390.4	3328.0	3247.1	3166.4
3889.3	10°	3871.7	3853.9	3814.3	3774.5	3708.8	3643.0	3569.4	3495.7	3393.5	3291.2
3953.8	12.5°	3944.1	3934.4	3905.5	3876.6	3817.4	3758.0	3678.2	3598.4	3486.0	3373.7
3854.6	15°	3864.9	3875.2	3874.2	3873.1	3835.8	3798.5	3729.7	3660.8	3543.7	3426.6
3630.0	17.5°	3668.4	3706.7	3748.5	3790.3	3789.7	3788.9	3742.4	3695.9	3577.1	3458.4
3350.2	20°	3417.4	3484.6	3576.8	3669.0	3718.1	3767.1	3750.8	3734.6	3611.2	3487.7
3094.5	22.5°	3178.5	3262.5	3398.2	3533.9	3635.4	3736.9	3758.2	3779.4	3653.4	3527.2
2888.8	25°	2976.9	3065.2	3230.0	3394.8	3548.9	3703.1	3770.2	3837.2	3713.6	3590.1
2728.6	27.5°	2815.3	2902.2	3084.8	3267.5	3471.6	3675.8	3795.7	3915.6	3797.8	3679.9
2619.5	30°	2700.1	2780.7	2970.9	3161.2	3412.5	3663.9	3842.6	4021.4	3907.5	3793.7
2603.7	32.5°	2667.1	2730.3	2909.1	3087.9	3372.3	3656.7	3901.4	4146.2	4033.5	3920.8
2828.3	35°	2843.1	2857.9	2982.0	3106.2	3402.4	3698.8	3998.3	4297.9	4190.0	4082.0
3428.6	37.5°	3361.2	3293.7	3301.7	3309.8	3579.1	3848.4	4200.8	4553.3	4415.6	4278.0
4382.8	40°	4218.8	4054.7	3913.4	3772.0	3972.3	4172.6	4555.9	4939.2	4738.6	4538.0
5673.0	42.5°	5374.6	5076.2	4767.9	4459.6	4575.0	4690.3	5070.6	5450.9	5161.4	4871.9
7266.4	45°	6776.0	6285.7	5791.6	5297.7	5348.7	5399.6	5741.3	6082.9	5692.4	5301.9
9048.3	47.5°	8330.6	7612.7	6900.4	6187.8	6198.2	6208.5	6540.9	6873.3	6323.6	5773.9
10823.3	50°	9875.8	8928.3	8010.0	7091.7	7089.9	7088.2	7498.6	7909.2	7080.6	6251.8
12541.9	52.5°	11369.7	10197.4	9100.5	8003.6	8053.9	8104.2	8601.2	9098.3	7875.6	6653.0
14226.8	55°	12829.3	11431.7	10211.0	8990.2	9186.1	9382.1	9873.2	10364.3	8580.6	6796.9
15826.1	57.5°	14243.2	12660.3	11427.6	10194.9	10587.8	10980.8	11248.4	11515.8	9080.2	6644.5
17789.3	60°	16094.5	14399.7	13233.1	12066.6	12554.6	13042.6	12627.1	12211.7	9205.0	6198.2
19380.6	62.5°	17768.2	16155.8	15087.0	14018.4	14073.5	14128.5	12993.4	11858.4	8679.3	5500.3
19546.4	65°	17983.0	16419.4	15061.2	13703.2	13492.5	13281.7	12216.4	11151.1	7935.5	4719.9
18397.8	67.5°	16827.6	15257.3	13842.4	12427.4	12328.6	12229.8	11216.6	10203.4	7050.3	3897.3
16590.7	70°	15239.4	13888.1	12622.8	11357.4	11313.2	11269.0	10166.8	9064.8	6084.5	3104.1
14304.9	72.5°	13293.0	12280.9	11290.9	10300.9	10269.2	10237.4	8972.6	7708.0	5037.4	2366.9
11809.9	75°	11097.4	10385.0	9614.7	8844.5	8727.0	8609.5	7300.5	5991.6	3837.1	1682.6
9242.8	77.5°	8737.4	8232.1	7646.6	7061.1	6892.9	6724.7	5502.7	4280.9	2685.6	1090.4
6690.6	80°	6425.4	6160.0	5718.0	5275.7	5066.7	4857.7	3829.8	2801.8	1730.3	658.8
4331.5	82.5°	4220.8	4110.1	3805.8	3501.4	3267.8	3034.3	2331.4	1628.7	1001.5	374.3
2485.6	85°	2422.7	2359.9	2109.9	1859.8	1661.2	1462.6	1089.6	716.6	450.5	184.5
954.9	87.5°	949.7	944.3	819.2	694.2	583.4	472.6	347.2	221.8	147.5	73.3
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°
2688.8	0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2823.6	2.5°	2800.1	2776.3	2752.6	2729.9	2707.2	2685.2	2660.8	2641.0	2621.3	2603.4
2962.4	5°	2913.6	2864.4	2815.2	2769.3	2723.4	2680.1	2637.3	2599.9	2562.4	2531.1
3091.7	7.5°	3017.0	2944.2	2871.5	2807.4	2743.3	2684.2	2628.8	2579.1	2529.4	2488.2
3192.5	10°	3093.8	3005.5	2917.1	2841.3	2765.4	2692.5	2632.9	2580.5	2528.1	2486.8
3261.9	12.5°	3150.1	3045.8	2941.6	2855.9	2770.1	2693.5	2638.1	2595.2	2552.4	2525.0
3305.2	15°	3183.9	3063.9	2943.9	2844.6	2745.4	2660.5	2616.1	2595.6	2575.1	2578.9
3326.0	17.5°	3193.6	3054.3	2915.0	2795.6	2676.3	2576.4	2549.0	2556.6	2564.0	2609.0
3342.2	20°	3196.7	3027.9	2859.1	2711.1	2563.2	2446.9	2439.7	2474.7	2509.8	2587.9
3364.0	22.5°	3200.8	2995.5	2790.2	2612.0	2433.8	2301.4	2315.5	2367.4	2419.3	2508.5
3403.7	25°	3217.1	2963.5	2710.0	2501.3	2292.6	2157.0	2195.1	2255.0	2314.8	2395.0
3465.6	27.5°	3251.2	2942.1	2633.1	2400.0	2167.0	2043.5	2089.9	2147.7	2205.5	2271.4
3545.7	30°	3297.8	2932.1	2566.3	2315.4	2064.6	1960.9	1997.3	2043.1	2089.2	2143.9
3629.4	32.5°	3338.0	2919.8	2501.3	2242.5	1983.6	1900.0	1916.2	1943.4	1970.5	2014.2
3724.8	35°	3367.6	2896.4	2425.5	2170.8	1916.0	1846.4	1839.7	1847.1	1854.6	1888.0
3831.6	37.5°	3385.1	2856.5	2327.9	2086.4	1844.8	1784.0	1759.4	1751.2	1742.9	1766.8
3967.1	40°	3396.1	2801.5	2207.0	1985.7	1764.4	1709.2	1671.5	1652.8	1634.1	1651.4
4144.5	42.5°	3417.1	2744.8	2072.7	1874.6	1676.5	1625.6	1578.1	1553.4	1528.6	1542.6
4377.9	45°	3453.9	2692.0	1930.3	1756.5	1582.8	1531.2	1485.3	1461.1	1437.1	1448.8
4626.5	47.5°	3479.2	2648.5	1817.8	1663.1	1508.5	1441.9	1402.4	1382.2	1362.0	1373.1
4857.3	50°	3462.7	2601.0	1739.4	1601.1	1462.9	1375.4	1329.5	1311.5	1293.7	1311.0
5007.1	52.5°	3361.1	2520.9	1680.8	1560.3	1439.9	1339.3	1275.1	1257.3	1239.7	1265.8
4974.1	55°	3151.1	2388.0	1624.9	1530.7	1436.5	1342.9	1246.2	1218.1	1190.2	1227.2
4741.7	57.5°	2839.0	2200.6	1562.1	1495.6	1429.0	1346.5	1228.9	1188.0	1147.1	1187.0
4309.3	60°	2420.4	1957.3	1494.2	1441.9	1389.6	1335.1	1212.6	1159.6	1106.6	1141.6
3724.6	62.5°	1948.8	1666.1	1383.4	1348.7	1314.0	1307.3	1193.6	1127.3	1061.2	1083.4
3128.0	65°	1536.1	1404.2	1272.2	1255.8	1239.4	1240.2	1153.5	1083.2	1012.7	1021.3
2543.6	67.5°	1189.9	1152.4	1114.8	1124.0	1133.1	1130.8	1082.1	1023.5	964.9	962.2
2002.7	70°	901.3	912.0	922.6	965.1	1007.5	1007.5	991.5	949.9	908.2	898.9
1531.1	72.5°	695.2	727.5	759.9	820.2	880.3	890.4	890.6	862.1	833.5	819.9
1111.2	75°	539.8	569.1	598.4	665.9	733.4	780.0	776.1	754.1	732.1	719.1
753.0	77.5°	415.6	435.5	455.5	521.1	586.6	663.4	661.4	643.7	626.1	612.9
485.1	80°	311.6	319.9	328.1	383.6	439.0	530.9	530.5	515.8	500.9	489.9
298.4	82.5°	222.7	224.1	225.8	266.6	307.5	385.9	390.2	383.0	375.8	367.9
159.5	85°	134.6	133.9	133.1	163.0	192.9	251.2	256.9	249.2	241.4	232.7
66.1	87.5°	59.0	58.3	57.6	69.7	82.0	106.3	113.5	110.4	107.3	105.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2688.8	0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2585.7	2.5°	2570.1	2554.5	2538.8	2523.2	2511.2	2499.0	2489.2	2479.4	2471.8	2464.1
2499.8	5°	2472.2	2444.5	2419.4	2394.3	2375.0	2355.6	2342.1	2328.5	2318.9	2309.4
2446.9	7.5°	2412.1	2377.2	2346.5	2315.9	2292.8	2269.9	2253.8	2237.7	2226.7	2215.8
2445.5	10°	2408.1	2370.5	2336.0	2301.4	2274.0	2246.4	2228.5	2210.3	2199.9	2189.5
2497.8	12.5°	2468.2	2438.9	2403.1	2367.4	2332.4	2297.3	2274.1	2250.8	2239.2	2227.6
2582.6	15°	2574.9	2567.3	2536.2	2505.2	2455.2	2405.3	2370.0	2334.7	2318.5	2302.4
2654.0	17.5°	2677.9	2701.7	2676.7	2651.7	2585.6	2519.4	2467.4	2415.4	2391.5	2367.4
2666.1	20°	2716.2	2766.2	2754.7	2743.0	2667.4	2591.9	2528.1	2464.4	2433.8	2403.0
2597.8	22.5°	2662.9	2728.1	2735.1	2742.0	2669.8	2597.5	2531.9	2466.2	2433.9	2401.5
2475.3	25°	2539.3	2603.4	2627.3	2651.2	2592.0	2532.8	2474.4	2416.2	2388.2	2360.2
2337.2	27.5°	2388.6	2440.0	2466.6	2493.3	2451.1	2409.0	2363.7	2318.4	2299.7	2280.8
2198.5	30°	2241.1	2283.9	2305.5	2327.2	2295.1	2262.9	2230.5	2197.9	2188.3	2178.6
2057.9	32.5°	2098.8	2139.7	2163.8	2187.9	2158.4	2128.8	2102.9	2077.0	2070.7	2064.4
1921.2	35°	1961.6	2002.2	2031.1	2060.0	2038.9	2018.0	1994.0	1970.2	1960.6	1951.1
1790.7	37.5°	1831.0	1871.5	1907.2	1942.9	1933.2	1923.5	1901.5	1879.4	1862.0	1844.6
1668.6	40°	1707.6	1746.6	1787.7	1828.8	1831.2	1833.5	1814.8	1796.1	1770.8	1745.6
1556.8	42.5°	1593.7	1630.7	1675.1	1719.5	1731.3	1743.2	1727.4	1711.7	1680.3	1648.8
1460.8	45°	1495.9	1531.0	1577.0	1623.0	1640.0	1657.1	1642.8	1628.7	1592.7	1556.8
1384.1	47.5°	1418.5	1452.8	1498.2	1543.6	1563.2	1582.8	1572.9	1563.0	1531.0	1499.0
1328.4	50°	1360.8	1393.1	1433.8	1474.4	1499.6	1524.8	1524.2	1523.7	1498.2	1472.6
1291.8	52.5°	1321.5	1351.1	1389.0	1427.0	1456.8	1486.6	1492.0	1497.3	1476.5	1455.6
1264.1	55°	1296.1	1328.1	1361.3	1394.5	1426.0	1457.7	1465.1	1472.6	1454.4	1436.3
1226.8	57.5°	1264.4	1301.9	1334.7	1367.6	1399.5	1431.3	1438.8	1446.4	1428.0	1409.6
1176.4	60°	1219.6	1262.7	1296.0	1329.5	1361.4	1393.4	1401.7	1409.9	1392.0	1374.1
1105.6	62.5°	1155.8	1206.2	1241.8	1277.4	1306.7	1336.0	1343.9	1351.9	1335.7	1319.5
1029.7	65°	1083.6	1137.5	1171.6	1205.6	1231.4	1257.2	1265.4	1273.4	1257.9	1242.3
959.6	67.5°	1009.3	1059.1	1091.4	1123.6	1145.9	1168.2	1176.1	1184.0	1169.6	1155.4
889.6	70°	933.4	977.1	1005.0	1032.8	1052.9	1073.1	1080.7	1088.3	1076.7	1065.0
806.3	72.5°	840.8	875.2	900.3	925.5	945.2	964.9	974.0	983.1	973.4	963.7
706.0	75°	731.5	757.1	779.9	802.7	820.7	838.6	848.1	857.6	852.9	848.1
599.7	77.5°	620.5	641.3	660.9	680.5	699.3	718.1	727.0	735.9	729.3	722.5
478.8	80°	496.1	513.3	529.8	546.3	560.7	574.9	586.7	598.4	595.5	592.8
360.1	82.5°	358.7	357.2	351.4	345.6	376.2	406.7	426.7	446.8	445.5	444.2
223.9	85°	216.5	208.9	192.9	177.0	205.5	234.2	259.0	283.7	281.7	279.6
104.0	87.5°	103.7	103.4	91.2	78.9	90.9	103.0	113.0	123.0	120.5	117.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2688.8	0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2457.1	2.5°	2450.0	2441.2	2450.0	2457.1	2464.1	2471.8	2479.4	2489.2	2499.0	2511.2
2302.0	5°	2294.7	2287.5	2294.7	2302.0	2309.4	2318.9	2328.5	2342.1	2355.6	2375.0
2209.2	7.5°	2202.7	2197.7	2202.7	2209.2	2215.8	2226.7	2237.7	2253.8	2269.9	2292.8
2183.9	10°	2178.3	2176.0	2178.3	2183.9	2189.5	2199.9	2210.3	2228.5	2246.4	2274.0
2222.9	12.5°	2218.1	2217.3	2218.1	2222.9	2227.6	2239.2	2250.8	2274.1	2297.3	2332.4
2296.2	15°	2290.1	2289.5	2290.1	2296.2	2302.4	2318.5	2334.7	2370.0	2405.3	2455.2
2359.6	17.5°	2351.7	2350.4	2351.7	2359.6	2367.4	2391.5	2415.4	2467.4	2519.4	2585.6
2393.2	20°	2383.4	2380.3	2383.4	2393.2	2403.0	2433.8	2464.4	2528.1	2591.9	2667.4
2390.7	22.5°	2379.8	2375.2	2379.8	2390.7	2401.5	2433.9	2466.2	2531.9	2597.5	2669.8
2350.0	25°	2339.9	2333.9	2339.9	2350.0	2360.2	2388.2	2416.2	2474.4	2532.8	2592.0
2276.1	27.5°	2271.5	2269.9	2271.5	2276.1	2280.8	2299.7	2318.4	2363.7	2409.0	2451.1
2178.6	30°	2178.6	2180.2	2178.6	2178.6	2178.6	2188.3	2197.9	2230.5	2262.9	2295.1
2065.2	32.5°	2066.2	2067.7	2066.2	2065.2	2064.4	2070.7	2077.0	2102.9	2128.8	2158.4
1949.1	35°	1947.0	1946.0	1947.0	1949.1	1951.1	1960.6	1970.2	1994.0	2018.0	2038.9
1835.5	37.5°	1826.3	1821.1	1826.3	1835.5	1844.6	1862.0	1879.4	1901.5	1923.5	1933.2
1728.5	40°	1711.5	1701.4	1711.5	1728.5	1745.6	1770.8	1796.1	1814.8	1833.5	1831.2
1623.9	42.5°	1599.1	1582.8	1599.1	1623.9	1648.8	1680.3	1711.7	1727.4	1743.2	1731.3
1527.6	45°	1498.4	1479.6	1498.4	1527.6	1556.8	1592.7	1628.7	1642.8	1657.1	1640.0
1472.0	47.5°	1445.0	1427.0	1445.0	1472.0	1499.0	1531.0	1563.0	1572.9	1582.8	1563.2
1447.6	50°	1422.6	1405.3	1422.6	1447.6	1472.6	1498.2	1523.7	1524.2	1524.8	1499.6
1433.3	52.5°	1411.0	1395.0	1411.0	1433.3	1455.6	1476.5	1497.3	1492.0	1486.6	1456.8
1416.6	55°	1397.0	1382.6	1397.0	1416.6	1436.3	1454.4	1472.6	1465.1	1457.7	1426.0
1390.2	57.5°	1370.7	1355.8	1370.7	1390.2	1409.6	1428.0	1446.4	1438.8	1431.3	1399.5
1354.1	60°	1334.1	1318.6	1334.1	1354.1	1374.1	1392.0	1409.9	1401.7	1393.4	1361.4
1298.4	62.5°	1277.4	1258.8	1277.4	1298.4	1319.5	1335.7	1351.9	1343.9	1336.0	1306.7
1221.8	65°	1201.5	1185.5	1201.5	1221.8	1242.3	1257.9	1273.4	1265.4	1257.2	1231.4
1136.4	67.5°	1117.4	1103.0	1117.4	1136.4	1155.4	1169.6	1184.0	1176.1	1168.2	1145.9
1046.9	70°	1028.7	1012.2	1028.7	1046.9	1065.0	1076.7	1088.3	1080.7	1073.1	1052.9
946.4	72.5°	929.1	913.1	929.1	946.4	963.7	973.4	983.1	974.0	964.9	945.2
833.6	75°	819.0	803.8	819.0	833.6	848.1	852.9	857.6	848.1	838.6	820.7
707.8	77.5°	693.2	681.0	693.2	707.8	722.5	729.3	735.9	727.0	718.1	699.3
573.1	80°	553.2	530.3	553.2	573.1	592.8	595.5	598.4	586.7	574.9	560.7
427.6	82.5°	410.9	396.2	410.9	427.6	444.2	445.5	446.8	426.7	406.7	376.2
266.6	85°	253.6	240.4	253.6	266.6	279.6	281.7	283.7	259.0	234.2	205.5
111.2	87.5°	104.4	98.0	104.4	111.2	117.8	120.5	123.0	113.0	103.0	90.9
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°
2688.8	0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2523.2	2.5°	2538.8	2554.5	2570.1	2585.7	2603.4	2621.3	2641.0	2660.8	2685.2	2707.2
2394.3	5°	2419.4	2444.5	2472.2	2499.8	2531.1	2562.4	2599.9	2637.3	2680.1	2723.4
2315.9	7.5°	2346.5	2377.2	2412.1	2446.9	2488.2	2529.4	2579.1	2628.8	2684.2	2743.3
2301.4	10°	2336.0	2370.5	2408.1	2445.5	2486.8	2528.1	2580.5	2632.9	2692.5	2765.4
2367.4	12.5°	2403.1	2438.9	2468.2	2497.8	2525.0	2552.4	2595.2	2638.1	2693.5	2770.1
2505.2	15°	2536.2	2567.3	2574.9	2582.6	2578.9	2575.1	2595.6	2616.1	2660.5	2745.4
2651.7	17.5°	2676.7	2701.7	2677.9	2654.0	2609.0	2564.0	2556.6	2549.0	2576.4	2676.3
2743.0	20°	2754.7	2766.2	2716.2	2666.1	2587.9	2509.8	2474.7	2439.7	2446.9	2563.2
2742.0	22.5°	2735.1	2728.1	2662.9	2597.8	2508.5	2419.3	2367.4	2315.5	2301.4	2433.8
2651.2	25°	2627.3	2603.4	2539.3	2475.3	2395.0	2314.8	2255.0	2195.1	2157.0	2292.6
2493.3	27.5°	2466.6	2440.0	2388.6	2337.2	2271.4	2205.5	2147.7	2089.9	2043.5	2167.0
2327.2	30°	2305.5	2283.9	2241.1	2198.5	2143.9	2089.2	2043.1	1997.3	1960.9	2064.6
2187.9	32.5°	2163.8	2139.7	2098.8	2057.9	2014.2	1970.5	1943.4	1916.2	1900.0	1983.6
2060.0	35°	2031.1	2002.2	1961.6	1921.2	1888.0	1854.6	1847.1	1839.7	1846.4	1916.0
1942.9	37.5°	1907.2	1871.5	1831.0	1790.7	1766.8	1742.9	1751.2	1759.4	1784.0	1844.8
1828.8	40°	1787.7	1746.6	1707.6	1668.6	1651.4	1634.1	1652.8	1671.5	1709.2	1764.4
1719.5	42.5°	1675.1	1630.7	1593.7	1556.8	1542.6	1528.6	1553.4	1578.1	1625.6	1676.5
1623.0	45°	1577.0	1531.0	1495.9	1460.8	1448.8	1437.1	1461.1	1485.3	1531.2	1582.8
1543.6	47.5°	1498.2	1452.8	1418.5	1384.1	1373.1	1362.0	1382.2	1402.4	1441.9	1508.5
1474.4	50°	1433.8	1393.1	1360.8	1328.4	1311.0	1293.7	1311.5	1329.5	1375.4	1462.9
1427.0	52.5°	1389.0	1351.1	1321.5	1291.8	1265.8	1239.7	1257.3	1275.1	1339.3	1439.9
1394.5	55°	1361.3	1328.1	1296.1	1264.1	1227.2	1190.2	1218.1	1246.2	1342.9	1436.5
1367.6	57.5°	1334.7	1301.9	1264.4	1226.8	1187.0	1147.1	1188.0	1228.9	1346.5	1429.0
1329.5	60°	1296.0	1262.7	1219.6	1176.4	1141.6	1106.6	1159.6	1212.6	1335.1	1389.6
1277.4	62.5°	1241.8	1206.2	1155.8	1105.6	1083.4	1061.2	1127.3	1193.6	1307.3	1314.0
1205.6	65°	1171.6	1137.5	1083.6	1029.7	1021.3	1012.7	1083.2	1153.5	1240.2	1239.4
1123.6	67.5°	1091.4	1059.1	1009.3	959.6	962.2	964.9	1023.5	1082.1	1130.8	1133.1
1032.8	70°	1005.0	977.1	933.4	889.6	898.9	908.2	949.9	991.5	1007.5	1007.5
925.5	72.5°	900.3	875.2	840.8	806.3	819.9	833.5	862.1	890.6	890.4	880.3
802.7	75°	779.9	757.1	731.5	706.0	719.1	732.1	754.1	776.1	780.0	733.4
680.5	77.5°	660.9	641.3	620.5	599.7	612.9	626.1	643.7	661.4	663.4	586.6
546.3	80°	529.8	513.3	496.1	478.8	489.9	500.9	515.8	530.5	530.9	439.0
345.6	82.5°	351.4	357.2	358.7	360.1	367.9	375.8	383.0	390.2	385.9	307.5
177.0	85°	192.9	208.9	216.5	223.9	232.7	241.4	249.2	256.9	251.2	192.9
78.9	87.5°	91.2	103.4	103.7	104.0	105.7	107.3	110.4	113.5	106.3	82.0
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):

325°		330°	335°	340°	345°	350°	355°	360°
2688.8	0°	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8	2688.8
2729.9	2.5°	2752.6	2776.3	2800.1	2823.6	2847.2	2869.4	2891.6
2769.3	5°	2815.2	2864.4	2913.6	2962.4	3011.3	3060.3	3109.3
2807.4	7.5°	2871.5	2944.2	3017.0	3091.7	3166.4	3247.1	3328.0
2841.3	10°	2917.1	3005.5	3093.8	3192.5	3291.2	3393.5	3495.7
2855.9	12.5°	2941.6	3045.8	3150.1	3261.9	3373.7	3486.0	3598.4
2844.6	15°	2943.9	3063.9	3183.9	3305.2	3426.6	3543.7	3660.8
2795.6	17.5°	2915.0	3054.3	3193.6	3326.0	3458.4	3577.1	3695.9
2711.1	20°	2859.1	3027.9	3196.7	3342.2	3487.7	3611.2	3734.6
2612.0	22.5°	2790.2	2995.5	3200.8	3364.0	3527.2	3653.4	3779.4
2501.3	25°	2710.0	2963.5	3217.1	3403.7	3590.1	3713.6	3837.2
2400.0	27.5°	2633.1	2942.1	3251.2	3465.6	3679.9	3797.8	3915.6
2315.4	30°	2566.3	2932.1	3297.8	3545.7	3793.7	3907.5	4021.4
2242.5	32.5°	2501.3	2919.8	3338.0	3629.4	3920.8	4033.5	4146.2
2170.8	35°	2425.5	2896.4	3367.6	3724.8	4082.0	4190.0	4297.9
2086.4	37.5°	2327.9	2856.5	3385.1	3831.6	4278.0	4415.6	4553.3
1985.7	40°	2207.0	2801.5	3396.1	3967.1	4538.0	4738.6	4939.2
1874.6	42.5°	2072.7	2744.8	3417.1	4144.5	4871.9	5161.4	5450.9
1756.5	45°	1930.3	2692.0	3453.9	4377.9	5301.9	5692.4	6082.9
1663.1	47.5°	1817.8	2648.5	3479.2	4626.5	5773.9	6323.6	6873.3
1601.1	50°	1739.4	2601.0	3462.7	4857.3	6251.8	7080.6	7909.2
1560.3	52.5°	1680.8	2520.9	3361.1	5007.1	6653.0	7875.6	9098.3
1530.7	55°	1624.9	2388.0	3151.1	4974.1	6796.9	8580.6	10364.3
1495.6	57.5°	1562.1	2200.6	2839.0	4741.7	6644.5	9080.2	11515.8
1441.9	60°	1494.2	1957.3	2420.4	4309.3	6198.2	9205.0	12211.7
1348.7	62.5°	1383.4	1666.1	1948.8	3724.6	5500.3	8679.3	11858.4
1255.8	65°	1272.2	1404.2	1536.1	3128.0	4719.9	7935.5	11151.1
1124.0	67.5°	1114.8	1152.4	1189.9	2543.6	3897.3	7050.3	10203.4
965.1	70°	922.6	912.0	901.3	2002.7	3104.1	6084.5	9064.8
820.2	72.5°	759.9	727.5	695.2	1531.1	2366.9	5037.4	7708.0
665.9	75°	598.4	569.1	539.8	1111.2	1682.6	3837.1	5991.6
521.1	77.5°	455.5	435.5	415.6	753.0	1090.4	2685.6	4280.9
383.6	80°	328.1	319.9	311.6	485.1	658.8	1730.3	2801.8
266.6	82.5°	225.8	224.1	222.7	298.4	374.3	1001.5	1628.7
163.0	85°	133.1	133.9	134.6	159.5	184.5	450.5	716.6
69.7	87.5°	57.6	58.3	59.0	66.1	73.3	147.5	221.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)