

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: P949670

Luminaire Tested: **GALN-SB4B-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949670
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-835-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20858 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

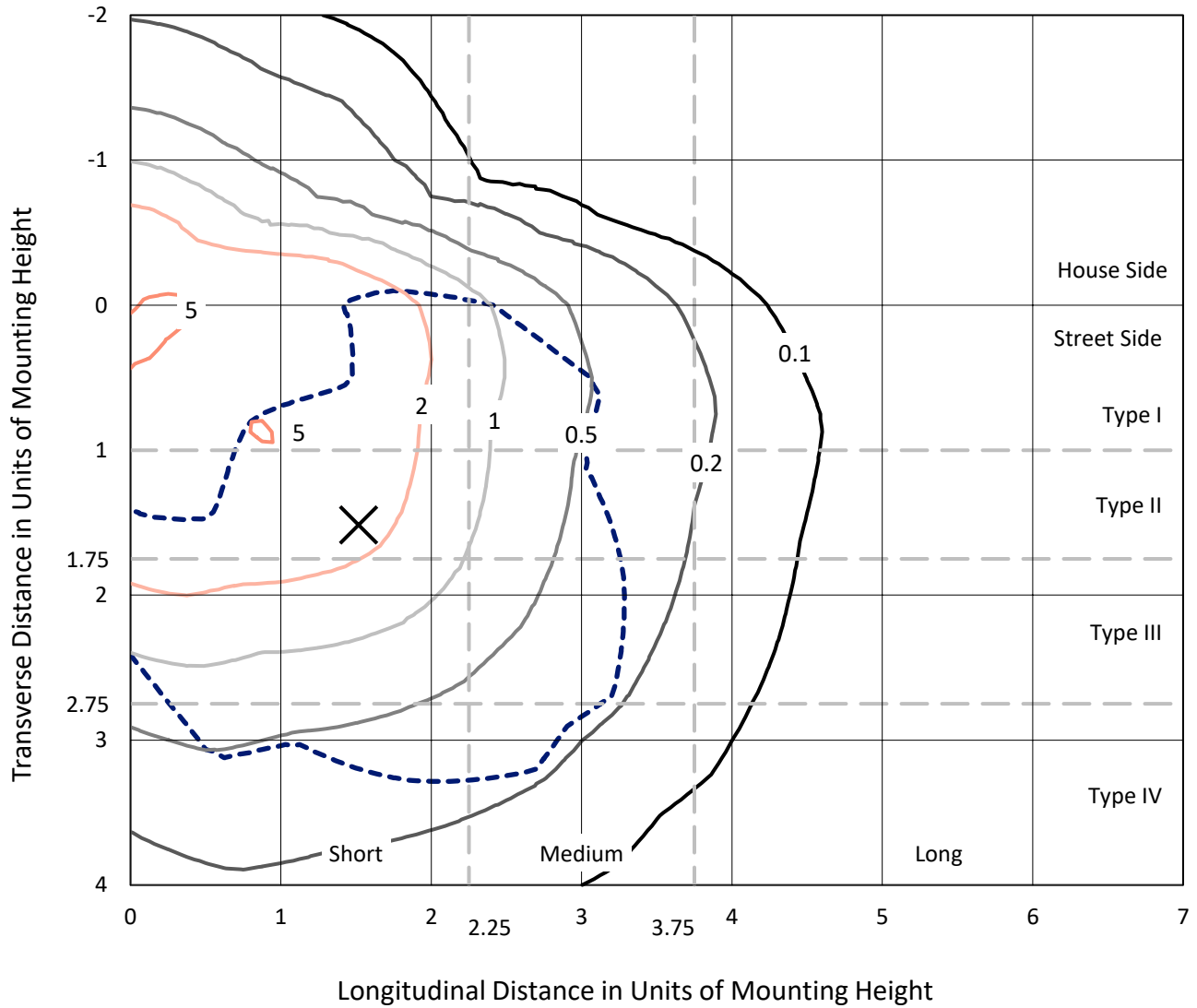
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

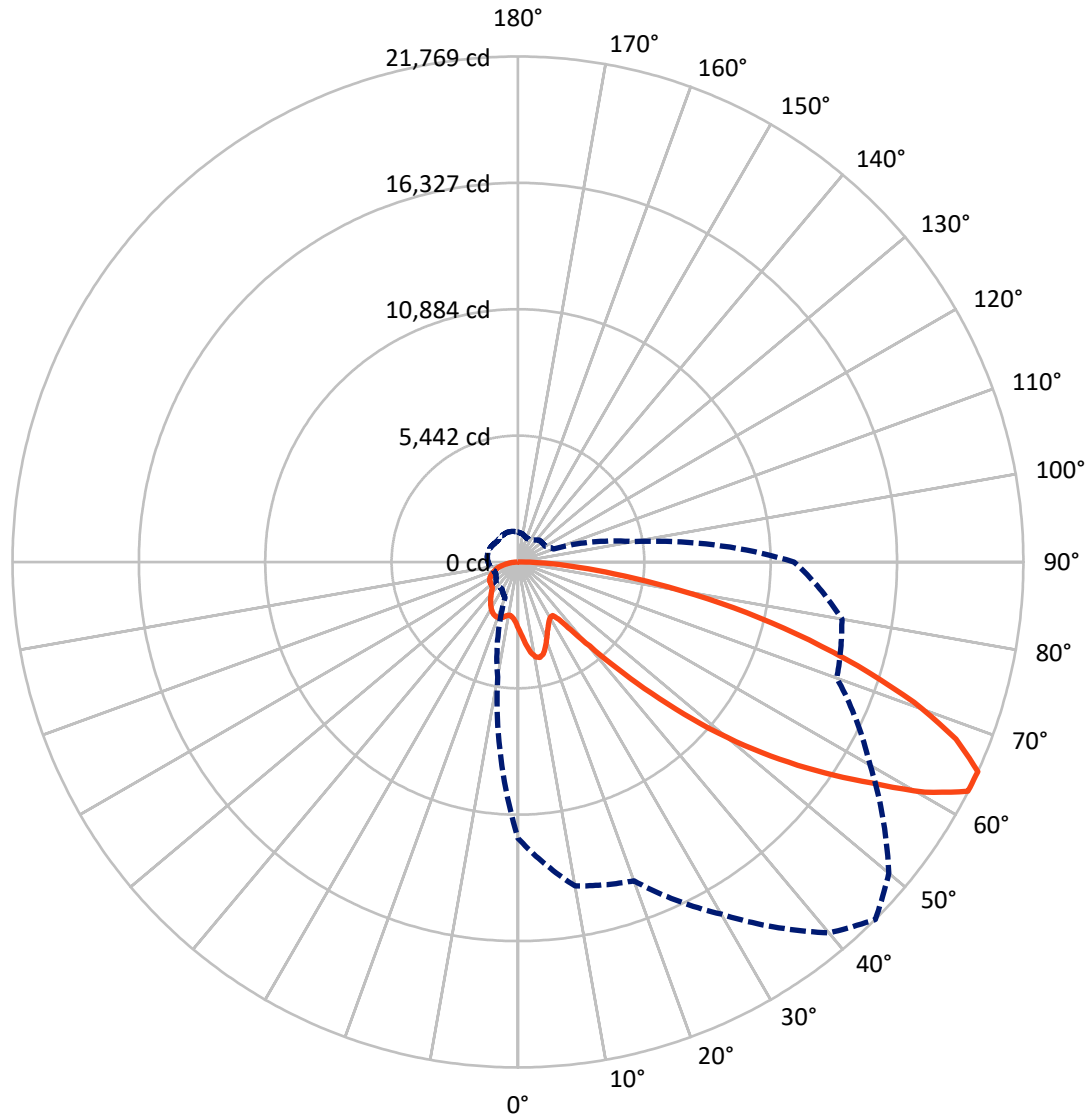
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	5301.1	0.0	5301.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15556.9	0.0	15556.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	20858.0	0.0	20858.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.5	1.4
10°-20°	893.2	4.3
20°-30°	1379.6	6.6
30°-40°	1748.3	8.4
40°-50°	2636.9	12.6
50°-60°	4260.3	20.4
60°-70°	5311.2	25.5
70°-80°	3482.8	16.7
80°-90°	861.0	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°	20858.0	100.0
0°-180°	20858.0	100.0



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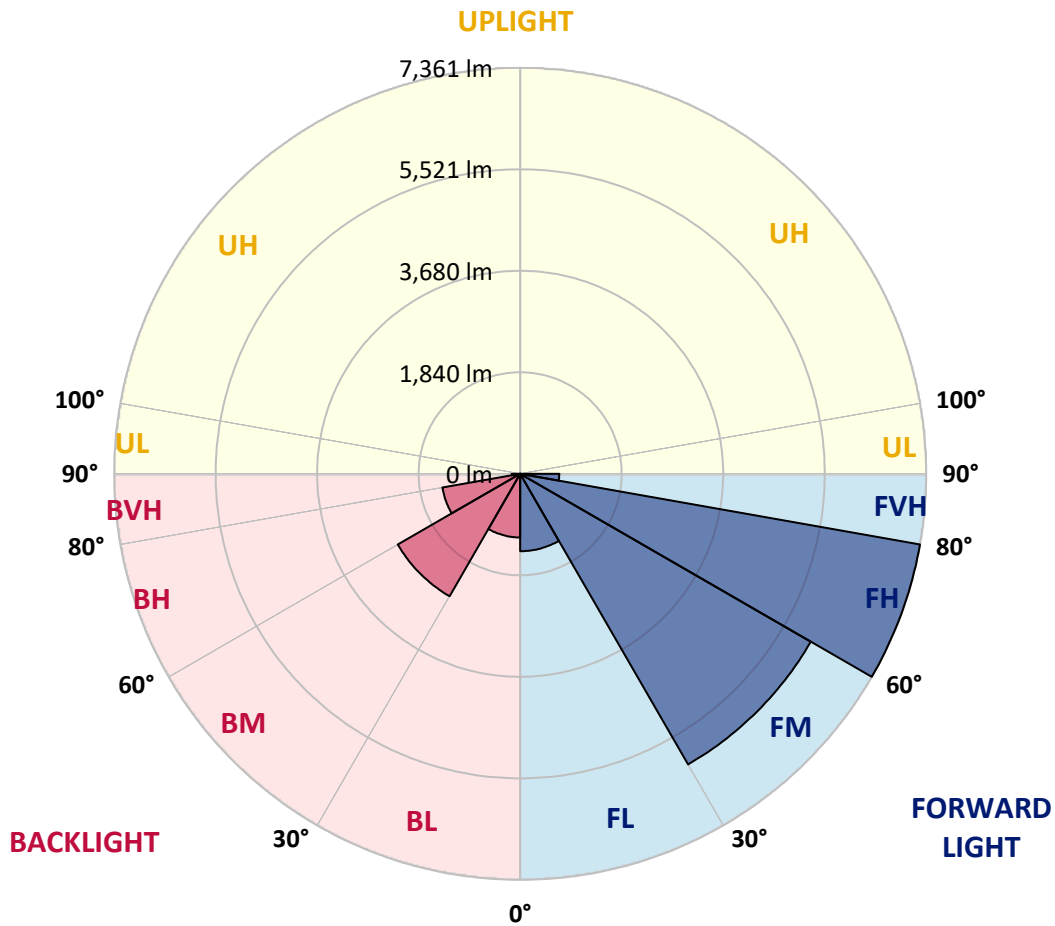
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1402.9	6.7			
FM (30°-60°)	6083.8	29.2			
FH (60°-80°)	7360.9	35.3			G3/7500
FVH (80°-90°)	709.3	3.4			G4/750
BL (0°-30°)	1154.4	5.5	B3/2500		
BM (30°-60°)	2561.8	12.3	B3/5000		
BH (60°-80°)	1433.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	151.7	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°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
2.5°	3084.4	3096.1	3107.9	3124.5	3141.1	3151.0	3160.9	3165.9	3170.8	3168.6
5°	3316.6	3357.5	3398.4	3438.9	3479.5	3501.5	3523.6	3536.9	3550.3	3560.4
7.5°	3550.0	3616.5	3682.8	3742.6	3802.3	3838.3	3874.3	3893.8	3913.2	3922.5
10°	3728.8	3807.4	3886.0	3956.1	4026.2	4068.7	4110.9	4129.9	4148.7	4155.9
12.5°	3838.3	3923.5	4008.6	4072.0	4135.2	4166.0	4196.8	4207.1	4217.5	4218.6
15°	3904.9	3978.4	4051.8	4091.6	4131.4	4132.5	4133.6	4122.6	4111.6	4098.6
17.5°	3942.3	3992.0	4041.6	4042.4	4043.0	3998.5	3953.9	3913.1	3872.1	3843.3
20°	3983.6	4000.9	4018.3	3966.0	3913.7	3815.3	3716.9	3645.3	3573.6	3529.6
22.5°	4031.5	4008.8	3986.1	3877.8	3769.5	3624.8	3480.1	3390.5	3300.9	3252.3
25°	4093.1	4021.6	3950.0	3785.6	3621.2	3445.4	3269.7	3175.4	3081.5	3035.4
27.5°	4176.8	4048.9	3920.9	3703.1	3485.4	3290.6	3095.8	3003.1	2910.5	2867.1
30°	4289.6	4098.8	3908.2	3640.1	3372.0	3169.1	2966.1	2880.2	2794.2	2753.7
32.5°	4422.7	4161.6	3900.5	3597.2	3293.9	3103.1	2912.4	2844.9	2777.4	2748.2
35°	4584.5	4264.9	3945.4	3629.3	3313.3	3180.8	3048.4	3032.7	3017.0	3014.5
37.5°	4856.9	4481.0	4105.0	3817.7	3530.5	3521.9	3513.3	3585.3	3657.3	3694.7
40°	5268.6	4859.7	4450.8	4237.2	4023.6	4174.3	4325.1	4500.1	4675.1	4762.3
42.5°	5814.5	5408.8	5003.1	4880.0	4757.0	5085.9	5414.7	5733.0	6051.3	6238.2
45°	6488.6	6124.2	5759.6	5705.4	5651.0	6177.9	6704.8	7227.8	7751.0	8068.5
47.5°	7331.6	6977.1	6622.5	6611.5	6600.5	7360.6	8120.4	8886.1	9651.7	10101.3
50°	8436.6	7998.7	7560.9	7562.7	7564.6	8544.2	9523.7	10534.4	11545.0	12156.1
52.5°	9705.1	9174.8	8644.6	8591.0	8537.3	9707.4	10877.4	12127.9	13378.3	14110.7
55°	11055.5	10531.6	10007.7	9798.7	9589.7	10891.9	12194.1	13684.8	15175.6	16046.7
57.5°	12283.8	11998.5	11713.1	11293.9	10874.8	12189.7	13504.5	15193.1	16881.5	17961.7
60°	13026.1	13469.2	13912.4	13391.8	12871.3	14115.6	15359.9	17167.8	18975.6	20143.1
62.5°	12649.2	13859.9	15070.7	15012.0	14953.3	16093.1	17233.1	18953.2	20673.1	21752.2
65°	11894.7	13031.1	14167.4	14392.3	14617.0	16065.6	17514.3	19182.2	20849.9	21768.7
67.5°	10883.8	11964.6	13045.4	13150.8	13256.1	14765.5	16274.7	17949.7	19624.7	20344.5
70°	9669.3	10844.8	12020.5	12067.6	12114.8	13464.6	14814.2	16255.7	17697.0	18097.1
72.5°	8222.0	9571.0	10920.1	10954.0	10987.8	12043.8	13099.9	14179.4	15258.9	15299.4
75°	6391.2	7787.4	9183.6	9309.0	9434.3	10255.9	11077.5	11837.5	12597.4	12393.8
77.5°	4566.4	5869.7	7173.1	7352.5	7531.9	8156.5	8781.1	9320.1	9859.1	9509.2
80°	2988.7	4085.2	5181.6	5404.6	5627.6	6099.3	6570.8	6853.9	7136.8	6573.9
82.5°	1737.3	2486.9	3236.6	3485.7	3734.9	4059.6	4384.2	4502.3	4620.3	4177.9
85°	764.4	1162.2	1560.1	1772.0	1983.8	2250.6	2517.3	2584.3	2651.3	2296.9
87.5°	236.6	370.4	504.1	622.3	740.5	873.9	1007.3	1013.0	1018.6	855.2
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°
2868.2	0°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
3170.8	2.5°	3165.9	3160.9	3151.0	3141.1	3124.5	3107.9	3096.1	3084.4	3060.8	3037.1
3550.3	5°	3536.9	3523.6	3501.5	3479.5	3438.9	3398.4	3357.5	3316.6	3264.4	3212.1
3913.2	7.5°	3893.8	3874.3	3838.3	3802.3	3742.6	3682.8	3616.5	3550.0	3463.7	3377.5
4148.7	10°	4129.9	4110.9	4068.7	4026.2	3956.1	3886.0	3807.4	3728.8	3619.8	3510.7
4217.5	12.5°	4207.1	4196.8	4166.0	4135.2	4072.0	4008.6	3923.5	3838.3	3718.5	3598.7
4111.6	15°	4122.6	4133.6	4132.5	4131.4	4091.6	4051.8	3978.4	3904.9	3780.0	3655.1
3872.1	17.5°	3913.1	3953.9	3998.5	4043.0	4042.4	4041.6	3992.0	3942.3	3815.7	3689.0
3573.6	20°	3645.3	3716.9	3815.3	3913.7	3966.0	4018.3	4000.9	3983.6	3852.0	3720.2
3300.9	22.5°	3390.5	3480.1	3624.8	3769.5	3877.8	3986.1	4008.8	4031.5	3897.0	3762.4
3081.5	25°	3175.4	3269.7	3445.4	3621.2	3785.6	3950.0	4021.6	4093.1	3961.3	3829.5
2910.5	27.5°	3003.1	3095.8	3290.6	3485.4	3703.1	3920.9	4048.9	4176.8	4051.1	3925.3
2794.2	30°	2880.2	2966.1	3169.1	3372.0	3640.1	3908.2	4098.8	4289.6	4168.1	4046.7
2777.4	32.5°	2844.9	2912.4	3103.1	3293.9	3597.2	3900.5	4161.6	4422.7	4302.5	4182.3
3017.0	35°	3032.7	3048.4	3180.8	3313.3	3629.3	3945.4	4264.9	4584.5	4469.4	4354.2
3657.3	37.5°	3585.3	3513.3	3521.9	3530.5	3817.7	4105.0	4481.0	4856.9	4710.1	4563.3
4675.1	40°	4500.1	4325.1	4174.3	4023.6	4237.2	4450.8	4859.7	5268.6	5054.6	4840.6
6051.3	42.5°	5733.0	5414.7	5085.9	4757.0	4880.0	5003.1	5408.8	5814.5	5505.6	5196.8
7751.0	45°	7227.8	6704.8	6177.9	5651.0	5705.4	5759.6	6124.2	6488.6	6072.0	5655.4
9651.7	47.5°	8886.1	8120.4	7360.6	6600.5	6611.5	6622.5	6977.1	7331.6	6745.3	6158.9
11545.0	50°	10534.4	9523.7	8544.2	7564.6	7562.7	7560.9	7998.7	8436.6	7552.7	6668.7
13378.3	52.5°	12127.9	10877.4	9707.4	8537.3	8591.0	8644.6	9174.8	9705.1	8400.9	7096.6
15175.6	55°	13684.8	12194.1	10891.9	9589.7	9798.7	10007.7	10531.6	11055.5	9152.8	7250.2
16881.5	57.5°	15193.1	13504.5	12189.7	10874.8	11293.9	11713.1	11998.5	12283.8	9685.7	7087.6
18975.6	60°	17167.8	15359.9	14115.6	12871.3	13391.8	13912.4	13469.2	13026.1	9818.9	6611.5
20673.1	62.5°	18953.2	17233.1	16093.1	14953.3	15012.0	15070.7	13859.9	12649.2	9258.1	5867.1
20849.9	65°	19182.2	17514.3	16065.6	14617.0	14392.3	14167.4	13031.1	11894.7	8464.7	5034.7
19624.7	67.5°	17949.7	16274.7	14765.5	13256.1	13150.8	13045.4	11964.6	10883.8	7520.5	4157.2
17697.0	70°	16255.7	14814.2	13464.6	12114.8	12067.6	12020.5	10844.8	9669.3	6490.2	3311.1
15258.9	72.5°	14179.4	13099.9	12043.8	10987.8	10954.0	10920.1	9571.0	8222.0	5373.3	2524.8
12597.4	75°	11837.5	11077.5	10255.9	9434.3	9309.0	9183.6	7787.4	6391.2	4093.0	1794.9
9859.1	77.5°	9320.1	8781.1	8156.5	7531.9	7352.5	7173.1	5869.7	4566.4	2864.7	1163.1
7136.8	80°	6853.9	6570.8	6099.3	5627.6	5404.6	5181.6	4085.2	2988.7	1845.7	702.7
4620.3	82.5°	4502.3	4384.2	4059.6	3734.9	3485.7	3236.6	2486.9	1737.3	1068.2	399.3
2651.3	85°	2584.3	2517.3	2250.6	1983.8	1772.0	1560.1	1162.2	764.4	480.5	196.8
1018.6	87.5°	1013.0	1007.3	873.9	740.5	622.3	504.1	370.4	236.6	157.4	78.1
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2868.2	0°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
3011.9	2.5°	2986.8	2961.5	2936.2	2912.0	2887.7	2864.3	2838.2	2817.1	2796.1	2777.0
3159.9	5°	3107.9	3055.4	3003.0	2954.0	2905.0	2858.8	2813.1	2773.3	2733.3	2699.9
3297.8	7.5°	3218.1	3140.6	3063.0	2994.6	2926.3	2863.2	2804.1	2751.1	2698.1	2654.1
3405.4	10°	3300.1	3205.9	3111.6	3030.8	2949.8	2872.0	2808.5	2752.6	2696.7	2652.7
3479.4	12.5°	3360.1	3249.0	3137.8	3046.3	2954.9	2873.1	2814.0	2768.2	2722.7	2693.4
3525.7	15°	3396.2	3268.2	3140.2	3034.3	2928.5	2837.9	2790.6	2768.7	2746.9	2750.8
3547.8	17.5°	3406.6	3258.0	3109.4	2982.1	2854.7	2748.2	2719.0	2727.1	2735.0	2783.0
3565.1	20°	3409.9	3229.8	3049.8	2891.9	2734.1	2610.1	2602.4	2639.8	2677.2	2760.5
3588.4	22.5°	3414.3	3195.3	2976.2	2786.2	2596.1	2454.9	2470.0	2525.3	2580.7	2675.8
3630.6	25°	3431.7	3161.1	2890.7	2668.1	2445.5	2300.8	2341.5	2405.4	2469.2	2554.7
3696.7	27.5°	3468.0	3138.4	2808.7	2560.1	2311.5	2179.7	2229.3	2290.9	2352.5	2422.9
3782.2	30°	3517.7	3127.7	2737.4	2469.8	2202.3	2091.7	2130.5	2179.4	2228.5	2286.8
3871.5	32.5°	3560.6	3114.5	2668.1	2392.0	2115.9	2026.7	2044.0	2073.0	2101.9	2148.5
3973.2	35°	3592.1	3089.6	2587.3	2315.5	2043.8	1969.5	1962.4	1970.3	1978.3	2013.9
4087.1	37.5°	3610.8	3047.0	2483.2	2225.5	1967.9	1902.9	1876.7	1867.9	1859.1	1884.7
4231.7	40°	3622.6	2988.3	2354.2	2118.1	1882.0	1823.1	1783.0	1763.0	1743.1	1761.5
4420.9	42.5°	3645.0	2927.8	2210.9	1999.6	1788.2	1734.0	1683.4	1656.9	1630.5	1645.5
4669.8	45°	3684.2	2871.6	2059.0	1873.7	1688.3	1633.3	1584.3	1558.6	1532.9	1545.5
4935.1	47.5°	3711.2	2825.1	1939.0	1774.1	1609.1	1538.1	1495.9	1474.4	1452.8	1464.7
5181.2	50°	3693.6	2774.5	1855.4	1707.9	1560.4	1467.1	1418.1	1399.0	1379.9	1398.4
5341.0	52.5°	3585.2	2689.0	1792.9	1664.3	1535.9	1428.6	1360.1	1341.2	1322.4	1350.2
5305.8	55°	3361.2	2547.2	1733.2	1632.7	1532.3	1432.4	1329.3	1299.4	1269.5	1309.0
5057.9	57.5°	3028.3	2347.4	1666.3	1595.3	1524.3	1436.3	1310.8	1267.2	1223.6	1266.1
4596.6	60°	2581.8	2087.8	1593.9	1538.1	1482.3	1424.2	1293.4	1237.0	1180.4	1217.7
3972.9	62.5°	2078.8	1777.2	1475.7	1438.6	1401.6	1394.5	1273.2	1202.5	1132.0	1155.6
3336.6	65°	1638.6	1497.8	1357.0	1339.5	1322.0	1322.9	1230.5	1155.4	1080.2	1089.4
2713.2	67.5°	1269.2	1229.3	1189.2	1199.0	1208.7	1206.3	1154.3	1091.8	1029.3	1026.4
2136.3	70°	961.4	972.8	984.2	1029.5	1074.7	1074.7	1057.7	1013.2	968.7	958.8
1633.2	72.5°	741.6	776.0	810.6	874.9	939.0	949.8	950.0	919.5	889.1	874.5
1185.3	75°	575.8	607.1	638.3	710.3	782.3	832.1	827.9	804.4	780.9	767.0
803.2	77.5°	443.3	464.6	485.9	555.8	625.7	707.7	705.5	686.7	667.8	653.8
517.5	80°	332.4	341.2	350.0	409.2	468.3	566.3	565.9	550.2	534.3	522.6
318.3	82.5°	237.5	239.0	240.8	284.4	328.0	411.6	416.2	408.5	400.8	392.5
170.2	85°	143.6	142.9	142.0	173.9	205.8	268.0	274.0	265.8	257.5	248.2
70.5	87.5°	63.0	62.2	61.4	74.4	87.5	113.4	121.1	117.8	114.5	112.7
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°
2868.2	0°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
2758.1	2.5°	2741.5	2724.9	2708.1	2691.5	2678.6	2665.6	2655.2	2644.7	2636.6	2628.4
2666.5	5°	2637.0	2607.5	2580.8	2553.9	2533.4	2512.7	2498.2	2483.8	2473.6	2463.4
2610.1	7.5°	2573.0	2535.8	2503.0	2470.3	2445.7	2421.3	2404.1	2387.0	2375.2	2363.5
2608.6	10°	2568.7	2528.6	2491.8	2454.9	2425.6	2396.2	2377.1	2357.7	2346.6	2335.5
2664.3	12.5°	2632.8	2601.6	2563.4	2525.3	2487.9	2450.5	2425.7	2401.0	2388.5	2376.2
2754.8	15°	2746.6	2738.5	2705.4	2672.2	2619.0	2565.7	2528.1	2490.4	2473.2	2456.0
2831.0	17.5°	2856.5	2881.9	2855.2	2828.5	2758.0	2687.4	2632.0	2576.5	2551.0	2525.3
2843.9	20°	2897.3	2950.7	2938.4	2925.9	2845.3	2764.7	2696.7	2628.8	2596.1	2563.3
2771.1	22.5°	2840.5	2910.0	2917.5	2924.8	2847.8	2770.8	2700.8	2630.6	2596.2	2561.6
2640.3	25°	2708.7	2777.0	2802.6	2828.0	2764.8	2701.7	2639.5	2577.4	2547.4	2517.6
2493.1	27.5°	2547.9	2602.7	2631.1	2659.6	2614.6	2569.7	2521.4	2473.0	2453.0	2432.9
2345.2	30°	2390.6	2436.2	2459.3	2482.4	2448.2	2413.8	2379.3	2344.5	2334.3	2323.9
2195.1	32.5°	2238.7	2282.4	2308.1	2333.8	2302.3	2270.8	2243.1	2215.5	2208.8	2202.1
2049.3	35°	2092.5	2135.7	2166.5	2197.3	2174.9	2152.5	2127.0	2101.6	2091.4	2081.2
1910.1	37.5°	1953.1	1996.3	2034.3	2072.4	2062.1	2051.7	2028.3	2004.7	1986.1	1967.6
1779.9	40°	1821.5	1863.1	1906.9	1950.8	1953.3	1955.8	1935.8	1915.9	1888.8	1862.0
1660.6	42.5°	1700.0	1739.5	1786.8	1834.1	1846.8	1859.5	1842.6	1825.9	1792.3	1758.8
1558.2	45°	1595.6	1633.1	1682.2	1731.2	1749.4	1767.6	1752.4	1737.3	1698.9	1660.6
1476.5	47.5°	1513.1	1549.6	1598.1	1646.5	1667.4	1688.3	1677.7	1667.2	1633.1	1598.9
1417.0	50°	1451.6	1486.0	1529.4	1572.8	1599.6	1626.5	1625.8	1625.4	1598.1	1570.8
1377.9	52.5°	1409.6	1441.2	1481.6	1522.1	1553.9	1585.7	1591.5	1597.2	1575.0	1552.7
1348.5	55°	1382.6	1416.7	1452.1	1487.5	1521.1	1554.9	1562.8	1570.8	1551.4	1532.0
1308.6	57.5°	1348.7	1388.7	1423.7	1458.8	1492.8	1526.7	1534.8	1542.8	1523.2	1503.6
1254.9	60°	1300.9	1346.9	1382.5	1418.1	1452.2	1486.4	1495.2	1504.0	1484.8	1465.8
1179.3	62.5°	1232.9	1286.6	1324.6	1362.5	1393.8	1425.1	1433.5	1442.0	1424.7	1407.4
1098.4	65°	1155.8	1213.4	1249.7	1286.0	1313.6	1341.1	1349.8	1358.4	1341.7	1325.1
1023.6	67.5°	1076.6	1129.8	1164.2	1198.5	1222.3	1246.1	1254.6	1262.9	1247.6	1232.4
948.9	70°	995.6	1042.3	1072.0	1101.7	1123.2	1144.6	1152.8	1160.9	1148.5	1136.0
860.1	72.5°	896.9	933.5	960.4	987.2	1008.3	1029.3	1039.0	1048.6	1038.3	1028.0
753.0	75°	780.3	807.6	831.9	856.3	875.4	894.6	904.7	914.8	909.8	904.7
639.7	77.5°	661.9	684.0	704.9	725.8	746.0	766.0	775.5	784.9	777.9	770.6
510.7	80°	529.2	547.5	565.2	582.8	598.1	613.3	625.8	638.3	635.3	632.3
384.1	82.5°	382.6	381.0	374.9	368.7	401.3	433.9	455.2	476.6	475.2	473.8
238.8	85°	230.9	222.9	205.8	188.8	219.2	249.8	276.2	302.7	300.5	298.3
110.9	87.5°	110.6	110.3	97.3	84.2	97.0	109.8	120.5	131.2	128.5	125.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2868.2	0°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
2621.0	2.5°	2613.4	2604.0	2613.4	2621.0	2628.4	2636.6	2644.7	2655.2	2665.6	2678.6
2455.5	5°	2447.7	2440.0	2447.7	2455.5	2463.4	2473.6	2483.8	2498.2	2512.7	2533.4
2356.5	7.5°	2349.6	2344.3	2349.6	2356.5	2363.5	2375.2	2387.0	2404.1	2421.3	2445.7
2329.5	10°	2323.6	2321.2	2323.6	2329.5	2335.5	2346.6	2357.7	2377.1	2396.2	2425.6
2371.1	12.5°	2366.1	2365.2	2366.1	2371.1	2376.2	2388.5	2401.0	2425.7	2450.5	2487.9
2449.4	15°	2442.8	2442.2	2442.8	2449.4	2456.0	2473.2	2490.4	2528.1	2565.7	2619.0
2517.0	17.5°	2508.5	2507.2	2508.5	2517.0	2525.3	2551.0	2576.5	2632.0	2687.4	2758.0
2552.8	20°	2542.4	2539.1	2542.4	2552.8	2563.3	2596.1	2628.8	2696.7	2764.7	2845.3
2550.1	22.5°	2538.5	2533.6	2538.5	2550.1	2561.6	2596.2	2630.6	2700.8	2770.8	2847.8
2506.7	25°	2495.9	2489.5	2495.9	2506.7	2517.6	2547.4	2577.4	2639.5	2701.7	2764.8
2427.9	27.5°	2423.0	2421.3	2423.0	2427.9	2432.9	2453.0	2473.0	2521.4	2569.7	2614.6
2323.9	30°	2323.9	2325.6	2323.9	2323.9	2323.9	2334.3	2344.5	2379.3	2413.8	2448.2
2203.0	32.5°	2203.9	2205.6	2203.9	2203.0	2202.1	2208.8	2215.5	2243.1	2270.8	2302.3
2079.0	35°	2076.8	2075.7	2076.8	2079.0	2081.2	2091.4	2101.6	2127.0	2152.5	2174.9
1957.9	37.5°	1948.1	1942.6	1948.1	1957.9	1967.6	1986.1	2004.7	2028.3	2051.7	2062.1
1843.7	40°	1825.7	1814.9	1825.7	1843.7	1862.0	1888.8	1915.9	1935.8	1955.8	1953.3
1732.2	42.5°	1705.7	1688.3	1705.7	1732.2	1758.8	1792.3	1825.9	1842.6	1859.5	1846.8
1629.4	45°	1598.3	1578.3	1598.3	1629.4	1660.6	1698.9	1737.3	1752.4	1767.6	1749.4
1570.1	47.5°	1541.4	1522.1	1541.4	1570.1	1598.9	1633.1	1667.2	1677.7	1688.3	1667.4
1544.1	50°	1517.5	1499.0	1517.5	1544.1	1570.8	1598.1	1625.4	1625.8	1626.5	1599.6
1528.8	52.5°	1505.1	1488.0	1505.1	1528.8	1552.7	1575.0	1597.2	1591.5	1585.7	1553.9
1511.1	55°	1490.2	1474.8	1490.2	1511.1	1532.0	1551.4	1570.8	1562.8	1554.9	1521.1
1482.9	57.5°	1462.1	1446.2	1462.1	1482.9	1503.6	1523.2	1542.8	1534.8	1526.7	1492.8
1444.4	60°	1423.1	1406.6	1423.1	1444.4	1465.8	1484.8	1504.0	1495.2	1486.4	1452.2
1385.0	62.5°	1362.5	1342.7	1362.5	1385.0	1407.4	1424.7	1442.0	1433.5	1425.1	1393.8
1303.3	65°	1281.6	1264.6	1281.6	1303.3	1325.1	1341.7	1358.4	1349.8	1341.1	1313.6
1212.2	67.5°	1191.9	1176.5	1191.9	1212.2	1232.4	1247.6	1262.9	1254.6	1246.1	1222.3
1116.7	70°	1097.3	1079.7	1097.3	1116.7	1136.0	1148.5	1160.9	1152.8	1144.6	1123.2
1009.5	72.5°	991.1	974.0	991.1	1009.5	1028.0	1038.3	1048.6	1039.0	1029.3	1008.3
889.2	75°	873.7	857.4	873.7	889.2	904.7	909.8	914.8	904.7	894.6	875.4
755.0	77.5°	739.4	726.4	739.4	755.0	770.6	777.9	784.9	775.5	766.0	746.0
611.3	80°	590.1	565.7	590.1	611.3	632.3	635.3	638.3	625.8	613.3	598.1
456.1	82.5°	438.3	422.6	438.3	456.1	473.8	475.2	476.6	455.2	433.9	401.3
284.4	85°	270.5	256.4	270.5	284.4	298.3	300.5	302.7	276.2	249.8	219.2
118.6	87.5°	111.4	104.6	111.4	118.6	125.7	128.5	131.2	120.5	109.8	97.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2868.2	0°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
2691.5	2.5°	2708.1	2724.9	2741.5	2758.1	2777.0	2796.1	2817.1	2838.2	2864.3	2887.7
2553.9	5°	2580.8	2607.5	2637.0	2666.5	2699.9	2733.3	2773.3	2813.1	2858.8	2905.0
2470.3	7.5°	2503.0	2535.8	2573.0	2610.1	2654.1	2698.1	2751.1	2804.1	2863.2	2926.3
2454.9	10°	2491.8	2528.6	2568.7	2608.6	2652.7	2696.7	2752.6	2808.5	2872.0	2949.8
2525.3	12.5°	2563.4	2601.6	2632.8	2664.3	2693.4	2722.7	2768.2	2814.0	2873.1	2954.9
2672.2	15°	2705.4	2738.5	2746.6	2754.8	2750.8	2746.9	2768.7	2790.6	2837.9	2928.5
2828.5	17.5°	2855.2	2881.9	2856.5	2831.0	2783.0	2735.0	2727.1	2719.0	2748.2	2854.7
2925.9	20°	2938.4	2950.7	2897.3	2843.9	2760.5	2677.2	2639.8	2602.4	2610.1	2734.1
2924.8	22.5°	2917.5	2910.0	2840.5	2771.1	2675.8	2580.7	2525.3	2470.0	2454.9	2596.1
2828.0	25°	2802.6	2777.0	2708.7	2640.3	2554.7	2469.2	2405.4	2341.5	2300.8	2445.5
2659.6	27.5°	2631.1	2602.7	2547.9	2493.1	2422.9	2352.5	2290.9	2229.3	2179.7	2311.5
2482.4	30°	2459.3	2436.2	2390.6	2345.2	2286.8	2228.5	2179.4	2130.5	2091.7	2202.3
2333.8	32.5°	2308.1	2282.4	2238.7	2195.1	2148.5	2101.9	2073.0	2044.0	2026.7	2115.9
2197.3	35°	2166.5	2135.7	2092.5	2049.3	2013.9	1978.3	1970.3	1962.4	1969.5	2043.8
2072.4	37.5°	2034.3	1996.3	1953.1	1910.1	1884.7	1859.1	1867.9	1876.7	1902.9	1967.9
1950.8	40°	1906.9	1863.1	1821.5	1779.9	1761.5	1743.1	1763.0	1783.0	1823.1	1882.0
1834.1	42.5°	1786.8	1739.5	1700.0	1660.6	1645.5	1630.5	1656.9	1683.4	1734.0	1788.2
1731.2	45°	1682.2	1633.1	1595.6	1558.2	1545.5	1532.9	1558.6	1584.3	1633.3	1688.3
1646.5	47.5°	1598.1	1549.6	1513.1	1476.5	1464.7	1452.8	1474.4	1495.9	1538.1	1609.1
1572.8	50°	1529.4	1486.0	1451.6	1417.0	1398.4	1379.9	1399.0	1418.1	1467.1	1560.4
1522.1	52.5°	1481.6	1441.2	1409.6	1377.9	1350.2	1322.4	1341.2	1360.1	1428.6	1535.9
1487.5	55°	1452.1	1416.7	1382.6	1348.5	1309.0	1269.5	1299.4	1329.3	1432.4	1532.3
1458.8	57.5°	1423.7	1388.7	1348.7	1308.6	1266.1	1223.6	1267.2	1310.8	1436.3	1524.3
1418.1	60°	1382.5	1346.9	1300.9	1254.9	1217.7	1180.4	1237.0	1293.4	1424.2	1482.3
1362.5	62.5°	1324.6	1286.6	1232.9	1179.3	1155.6	1132.0	1202.5	1273.2	1394.5	1401.6
1286.0	65°	1249.7	1213.4	1155.8	1098.4	1089.4	1080.2	1155.4	1230.5	1322.9	1322.0
1198.5	67.5°	1164.2	1129.8	1076.6	1023.6	1026.4	1029.3	1091.8	1154.3	1206.3	1208.7
1101.7	70°	1072.0	1042.3	995.6	948.9	958.8	968.7	1013.2	1057.7	1074.7	1074.7
987.2	72.5°	960.4	933.5	896.9	860.1	874.5	889.1	919.5	950.0	949.8	939.0
856.3	75°	831.9	807.6	780.3	753.0	767.0	780.9	804.4	827.9	832.1	782.3
725.8	77.5°	704.9	684.0	661.9	639.7	653.8	667.8	686.7	705.5	707.7	625.7
582.8	80°	565.2	547.5	529.2	510.7	522.6	534.3	550.2	565.9	566.3	468.3
368.7	82.5°	374.9	381.0	382.6	384.1	392.5	400.8	408.5	416.2	411.6	328.0
188.8	85°	205.8	222.9	230.9	238.8	248.2	257.5	265.8	274.0	268.0	205.8
84.2	87.5°	97.3	110.3	110.6	110.9	112.7	114.5	117.8	121.1	113.4	87.5
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°
2868.2	0°	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2	2868.2
2912.0	2.5°	2936.2	2961.5	2986.8	3011.9	3037.1	3060.8	3084.4
2954.0	5°	3003.0	3055.4	3107.9	3159.9	3212.1	3264.4	3316.6
2994.6	7.5°	3063.0	3140.6	3218.1	3297.8	3377.5	3463.7	3550.0
3030.8	10°	3111.6	3205.9	3300.1	3405.4	3510.7	3619.8	3728.8
3046.3	12.5°	3137.8	3249.0	3360.1	3479.4	3598.7	3718.5	3838.3
3034.3	15°	3140.2	3268.2	3396.2	3525.7	3655.1	3780.0	3904.9
2982.1	17.5°	3109.4	3258.0	3406.6	3547.8	3689.0	3815.7	3942.3
2891.9	20°	3049.8	3229.8	3409.9	3565.1	3720.2	3852.0	3983.6
2786.2	22.5°	2976.2	3195.3	3414.3	3588.4	3762.4	3897.0	4031.5
2668.1	25°	2890.7	3161.1	3431.7	3630.6	3829.5	3961.3	4093.1
2560.1	27.5°	2808.7	3138.4	3468.0	3696.7	3925.3	4051.1	4176.8
2469.8	30°	2737.4	3127.7	3517.7	3782.2	4046.7	4168.1	4289.6
2392.0	32.5°	2668.1	3114.5	3560.6	3871.5	4182.3	4302.5	4422.7
2315.5	35°	2587.3	3089.6	3592.1	3973.2	4354.2	4469.4	4584.5
2225.5	37.5°	2483.2	3047.0	3610.8	4087.1	4563.3	4710.1	4856.9
2118.1	40°	2354.2	2988.3	3622.6	4231.7	4840.6	5054.6	5268.6
1999.6	42.5°	2210.9	2927.8	3645.0	4420.9	5196.8	5505.6	5814.5
1873.7	45°	2059.0	2871.6	3684.2	4669.8	5655.4	6072.0	6488.6
1774.1	47.5°	1939.0	2825.1	3711.2	4935.1	6158.9	6745.3	7331.6
1707.9	50°	1855.4	2774.5	3693.6	5181.2	6668.7	7552.7	8436.6
1664.3	52.5°	1792.9	2689.0	3585.2	5341.0	7096.6	8400.9	9705.1
1632.7	55°	1733.2	2547.2	3361.2	5305.8	7250.2	9152.8	11055.5
1595.3	57.5°	1666.3	2347.4	3028.3	5057.9	7087.6	9685.7	12283.8
1538.1	60°	1593.9	2087.8	2581.8	4596.6	6611.5	9818.9	13026.1
1438.6	62.5°	1475.7	1777.2	2078.8	3972.9	5867.1	9258.1	12649.2
1339.5	65°	1357.0	1497.8	1638.6	3336.6	5034.7	8464.7	11894.7
1199.0	67.5°	1189.2	1229.3	1269.2	2713.2	4157.2	7520.5	10883.8
1029.5	70°	984.2	972.8	961.4	2136.3	3311.1	6490.2	9669.3
874.9	72.5°	810.6	776.0	741.6	1633.2	2524.8	5373.3	8222.0
710.3	75°	638.3	607.1	575.8	1185.3	1794.9	4093.0	6391.2
555.8	77.5°	485.9	464.6	443.3	803.2	1163.1	2864.7	4566.4
409.2	80°	350.0	341.2	332.4	517.5	702.7	1845.7	2988.7
284.4	82.5°	240.8	239.0	237.5	318.3	399.3	1068.2	1737.3
173.9	85°	142.0	142.9	143.6	170.2	196.8	480.5	764.4
74.4	87.5°	61.4	62.2	63.0	70.5	78.1	157.4	236.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)