

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: P950720

Luminaire Tested: **GALN-SB5A-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950720
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-SB5A-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20288 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

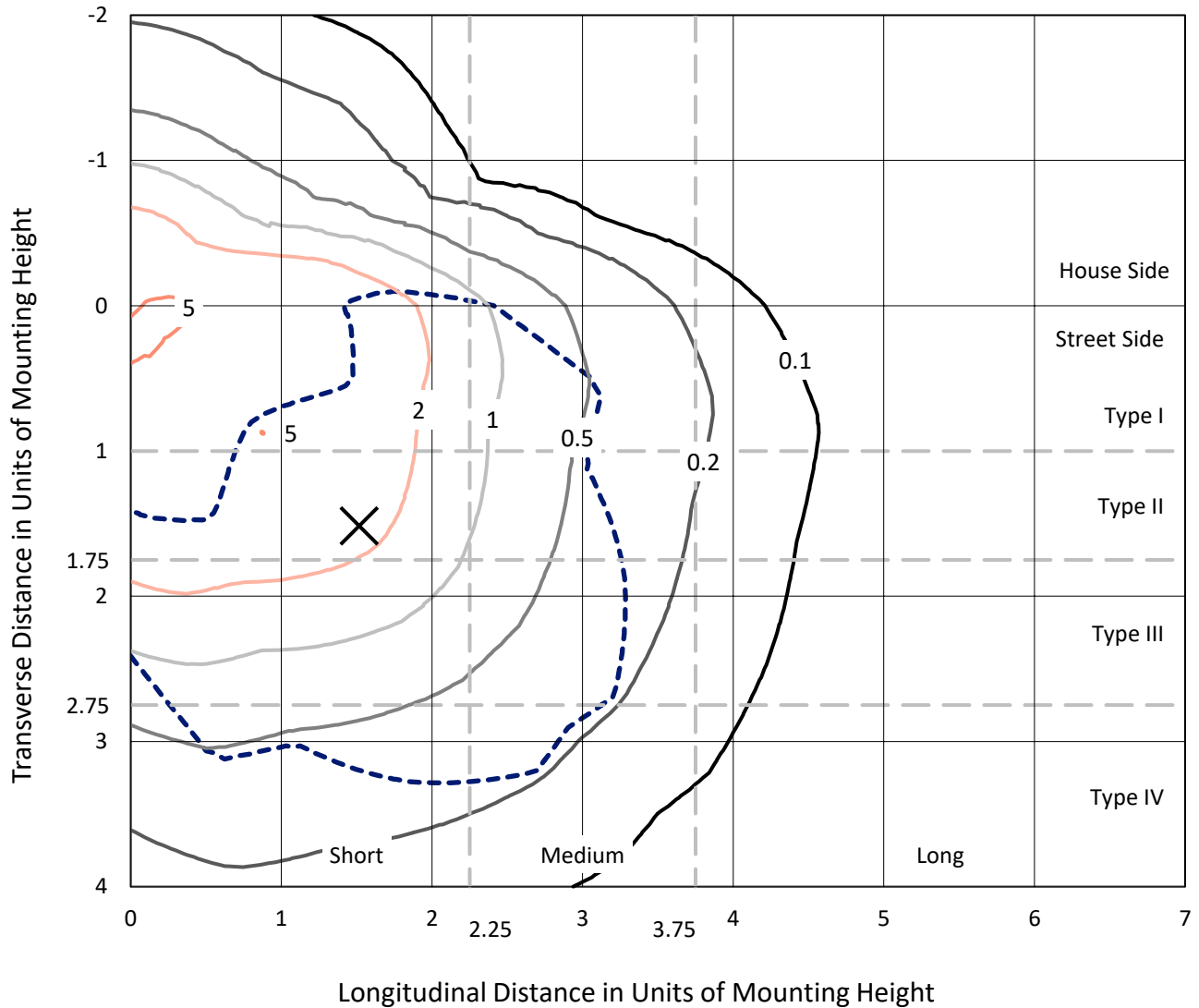
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

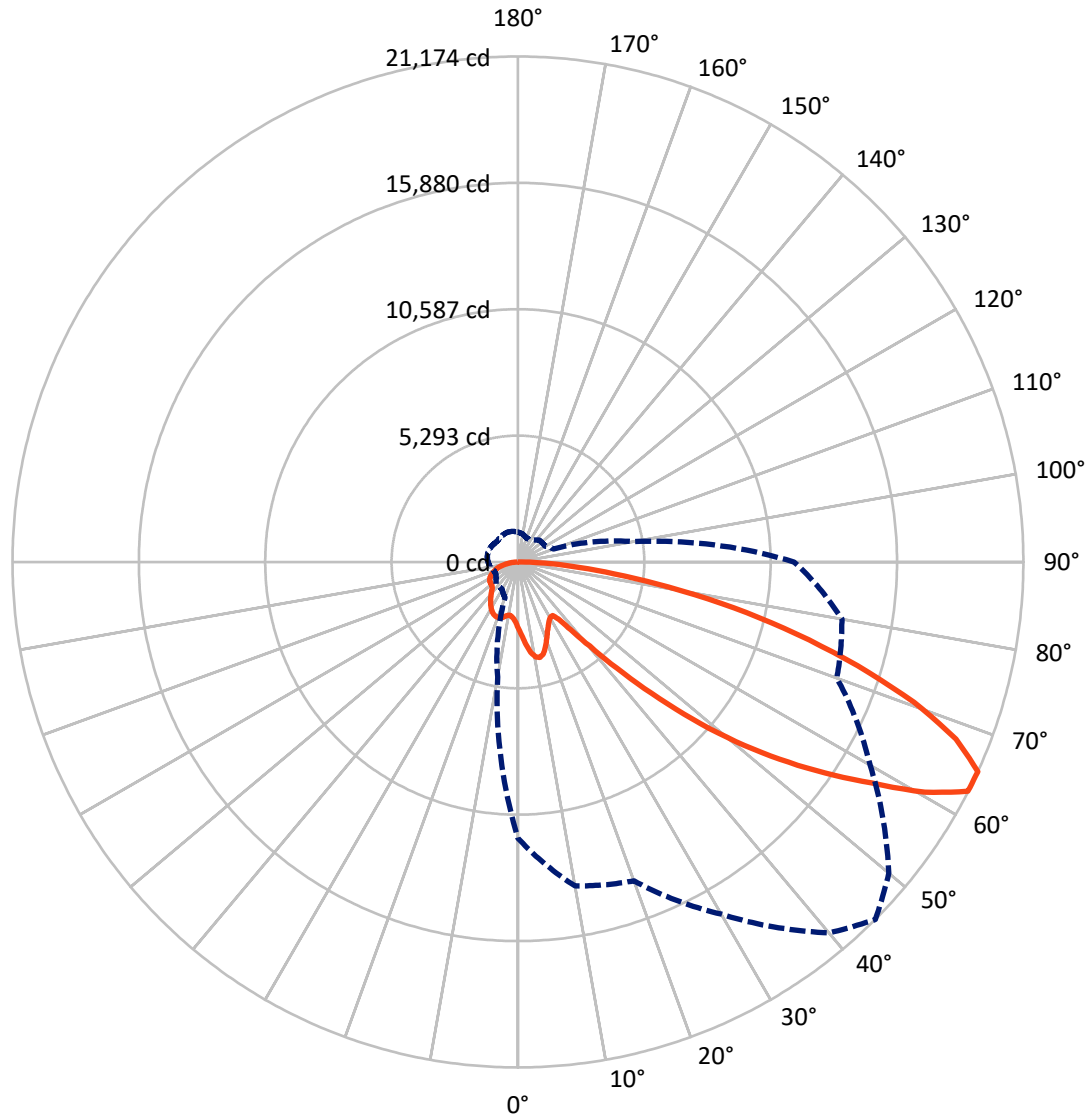
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	5156.2	0.0	5156.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15131.8	0.0	15131.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	20288.0	0.0	20288.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.7	1.4
10°-20°	868.8	4.3
20°-30°	1341.9	6.6
30°-40°	1700.6	8.4
40°-50°	2564.9	12.6
50°-60°	4143.9	20.4
60°-70°	5166.1	25.5
70°-80°	3387.7	16.7
80°-90°	837.5	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°	20288.0	100.0
0°-180°	20288.0	100.0

Coefficient of Utilization



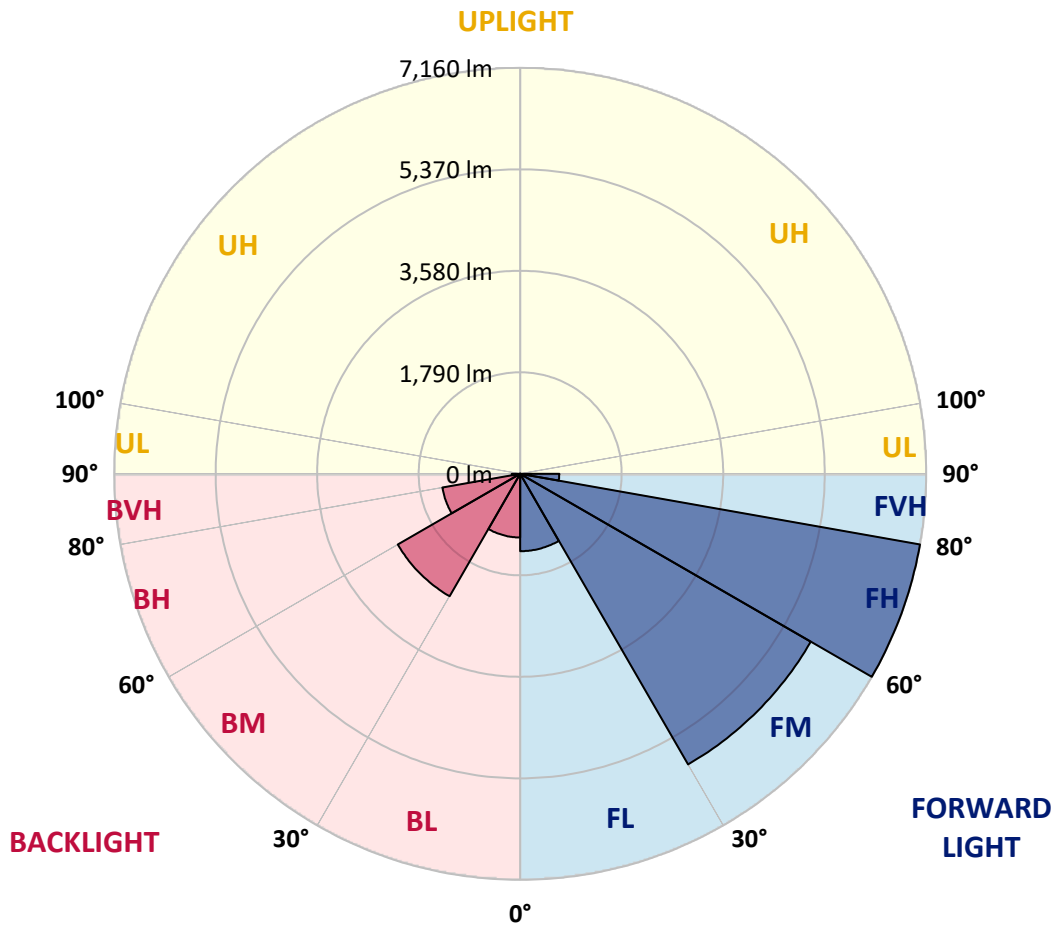
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1364.6	6.7			
FM (30°-60°)	5917.6	29.2			
FH (60°-80°)	7159.7	35.3			G3/7500
FVH (80°-90°)	689.9	3.4			G4/750
BL (0°-30°)	1122.8	5.5	B3/2500		
BM (30°-60°)	2491.8	12.3	B2/2500		
BH (60°-80°)	1394.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	147.6	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°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
2.5°	3000.1	3011.5	3022.9	3039.1	3055.3	3064.9	3074.5	3079.4	3084.2	3082.0
5°	3226.0	3265.7	3305.6	3344.9	3384.4	3405.9	3427.3	3440.2	3453.3	3463.1
7.5°	3453.0	3517.6	3582.2	3640.3	3698.4	3733.4	3768.4	3787.4	3806.2	3815.3
10°	3626.9	3703.4	3779.8	3848.0	3916.2	3957.5	3998.6	4017.0	4035.3	4042.3
12.5°	3733.4	3816.3	3899.0	3960.7	4022.2	4052.1	4082.1	4092.2	4102.2	4103.3
15°	3798.2	3869.7	3941.1	3979.8	4018.5	4019.6	4020.7	4010.0	3999.2	3986.6
17.5°	3834.6	3882.9	3931.2	3931.9	3932.6	3889.2	3845.8	3806.1	3766.3	3738.3
20°	3874.7	3891.6	3908.5	3857.6	3806.8	3711.1	3615.4	3545.7	3476.0	3433.2
22.5°	3921.3	3899.3	3877.2	3771.9	3666.5	3525.8	3385.0	3297.8	3210.7	3163.4
25°	3981.3	3911.7	3842.1	3682.2	3522.2	3351.3	3180.3	3088.7	2997.2	2952.5
27.5°	4062.6	3938.2	3813.7	3601.9	3390.1	3200.6	3011.2	2921.0	2831.0	2788.7
30°	4172.4	3986.8	3801.4	3540.6	3279.9	3082.5	2885.1	2801.4	2717.8	2678.4
32.5°	4301.9	4047.8	3793.9	3498.9	3203.9	3018.3	2832.8	2767.2	2701.5	2673.1
35°	4459.3	4148.4	3837.6	3530.1	3222.8	3093.9	2965.1	2949.8	2934.5	2932.2
37.5°	4724.2	4358.5	3992.8	3713.4	3434.0	3425.7	3417.3	3487.3	3557.3	3593.7
40°	5124.6	4726.9	4329.2	4121.4	3913.6	4060.3	4206.9	4377.1	4547.4	4632.1
42.5°	5655.6	5261.0	4866.4	4746.7	4627.0	4946.9	5266.7	5576.3	5885.9	6067.7
45°	6311.2	5956.8	5602.2	5549.5	5496.6	6009.0	6521.6	7030.3	7539.1	7848.0
47.5°	7131.3	6786.5	6441.5	6430.8	6420.1	7159.4	7898.5	8643.3	9387.9	9825.2
50°	8206.1	7780.1	7354.3	7356.1	7357.9	8310.7	9263.4	10246.5	11229.5	11823.9
52.5°	9439.8	8924.1	8408.4	8356.3	8304.0	9442.1	10580.2	11796.5	13012.7	13725.1
55°	10753.4	10243.8	9734.2	9530.9	9327.7	10594.3	11860.8	13310.8	14760.9	15608.2
57.5°	11948.1	11670.6	11393.0	10985.2	10577.6	11856.5	13135.5	14777.9	16420.2	17470.9
60°	12670.1	13101.1	13532.2	13025.9	12519.5	13729.8	14940.2	16698.6	18457.0	19592.7
62.5°	12303.5	13481.2	14658.8	14601.8	14544.6	15653.4	16762.2	18435.2	20108.1	21157.8
65°	11569.6	12675.0	13780.3	13999.0	14217.6	15626.6	17035.7	18658.0	20280.1	21173.8
67.5°	10586.4	11637.6	12688.9	12791.4	12893.9	14362.0	15830.0	17459.2	19088.4	19788.6
70°	9405.1	10548.5	11692.0	11737.8	11783.7	13096.6	14409.4	15811.5	17213.4	17602.6
72.5°	7997.3	9309.5	10621.7	10654.7	10687.5	11714.7	12741.9	13791.9	14841.9	14881.3
75°	6216.5	7574.6	8932.6	9054.6	9176.5	9975.6	10774.8	11514.0	12253.2	12055.1
77.5°	4441.6	5709.3	6977.1	7151.6	7326.1	7933.6	8541.1	9065.4	9589.7	9249.3
80°	2907.0	3973.6	5040.0	5256.9	5473.8	5932.6	6391.2	6666.6	6941.8	6394.2
82.5°	1689.8	2418.9	3148.2	3390.4	3632.8	3948.6	4264.4	4379.3	4494.0	4063.7
85°	743.5	1130.5	1517.5	1723.5	1929.6	2189.1	2448.5	2513.7	2578.9	2234.2
87.5°	230.2	360.2	490.3	605.3	720.2	850.0	979.7	985.3	990.8	831.8
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°
2789.8	0°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
3084.2	2.5°	3079.4	3074.5	3064.9	3055.3	3039.1	3022.9	3011.5	3000.1	2977.1	2954.1
3453.3	5°	3440.2	3427.3	3405.9	3384.4	3344.9	3305.6	3265.7	3226.0	3175.2	3124.3
3806.2	7.5°	3787.4	3768.4	3733.4	3698.4	3640.3	3582.2	3517.6	3453.0	3369.0	3285.2
4035.3	10°	4017.0	3998.6	3957.5	3916.2	3848.0	3779.8	3703.4	3626.9	3520.8	3414.7
4102.2	12.5°	4092.2	4082.1	4052.1	4022.2	3960.7	3899.0	3816.3	3733.4	3616.9	3500.4
3999.2	15°	4010.0	4020.7	4019.6	4018.5	3979.8	3941.1	3869.7	3798.2	3676.7	3555.2
3766.3	17.5°	3806.1	3845.8	3889.2	3932.6	3931.9	3931.2	3882.9	3834.6	3711.4	3588.2
3476.0	20°	3545.7	3615.4	3711.1	3806.8	3857.6	3908.5	3891.6	3874.7	3746.7	3618.6
3210.7	22.5°	3297.8	3385.0	3525.8	3666.5	3771.9	3877.2	3899.3	3921.3	3790.5	3659.6
2997.2	25°	3088.7	3180.3	3351.3	3522.2	3682.2	3842.1	3911.7	3981.3	3853.0	3724.9
2831.0	27.5°	2921.0	3011.2	3200.6	3390.1	3601.9	3813.7	3938.2	4062.6	3940.4	3818.0
2717.8	30°	2801.4	2885.1	3082.5	3279.9	3540.6	3801.4	3986.8	4172.4	4054.2	3936.1
2701.5	32.5°	2767.2	2832.8	3018.3	3203.9	3498.9	3793.9	4047.8	4301.9	4184.9	4068.0
2934.5	35°	2949.8	2965.1	3093.9	3222.8	3530.1	3837.6	4148.4	4459.3	4347.3	4235.2
3557.3	37.5°	3487.3	3417.3	3425.7	3434.0	3713.4	3992.8	4358.5	4724.2	4581.4	4438.6
4547.4	40°	4377.1	4206.9	4060.3	3913.6	4121.4	4329.2	4726.9	5124.6	4916.5	4708.4
5885.9	42.5°	5576.3	5266.7	4946.9	4627.0	4746.7	4866.4	5261.0	5655.6	5355.2	5054.8
7539.1	45°	7030.3	6521.6	6009.0	5496.6	5549.5	5602.2	5956.8	6311.2	5906.1	5500.9
9387.9	47.5°	8643.3	7898.5	7159.4	6420.1	6430.8	6441.5	6786.5	7131.3	6561.0	5990.6
11229.5	50°	10246.5	9263.4	8310.7	7357.9	7356.1	7354.3	7780.1	8206.1	7346.3	6486.5
13012.7	52.5°	11796.5	10580.2	9442.1	8304.0	8356.3	8408.4	8924.1	9439.8	8171.3	6902.7
14760.9	55°	13310.8	11860.8	10594.3	9327.7	9530.9	9734.2	10243.8	10753.4	8902.7	7052.0
16420.2	57.5°	14777.9	13135.5	11856.5	10577.6	10985.2	11393.0	11670.6	11948.1	9421.0	6893.9
18457.0	60°	16698.6	14940.2	13729.8	12519.5	13025.9	13532.2	13101.1	12670.1	9550.5	6430.8
20108.1	62.5°	18435.2	16762.2	15653.4	14544.6	14601.8	14658.8	13481.2	12303.5	9005.1	5706.7
20280.1	65°	18658.0	17035.7	15626.6	14217.6	13999.0	13780.3	12675.0	11569.6	8233.4	4897.1
19088.4	67.5°	17459.2	15830.0	14362.0	12893.9	12791.4	12688.9	11637.6	10586.4	7315.0	4043.6
17213.4	70°	15811.5	14409.4	13096.6	11783.7	11737.8	11692.0	10548.5	9405.1	6312.9	3220.7
14841.9	72.5°	13791.9	12741.9	11714.7	10687.5	10654.7	10621.7	9309.5	7997.3	5226.5	2455.8
12253.2	75°	11514.0	10774.8	9975.6	9176.5	9054.6	8932.6	7574.6	6216.5	3981.2	1745.8
9589.7	77.5°	9065.4	8541.1	7933.6	7326.1	7151.6	6977.1	5709.3	4441.6	2786.5	1131.3
6941.8	80°	6666.6	6391.2	5932.6	5473.8	5256.9	5040.0	3973.6	2907.0	1795.3	683.5
4494.0	82.5°	4379.3	4264.4	3948.6	3632.8	3390.4	3148.2	2418.9	1689.8	1039.0	388.4
2578.9	85°	2513.7	2448.5	2189.1	1929.6	1723.5	1517.5	1130.5	743.5	467.4	191.4
990.8	87.5°	985.3	979.7	850.0	720.2	605.3	490.3	360.2	230.2	153.1	76.0
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2789.8	0°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
2929.6	2.5°	2905.2	2880.6	2855.9	2832.4	2808.8	2786.0	2760.7	2740.1	2719.7	2701.1
3073.6	5°	3022.9	2971.9	2920.9	2873.3	2825.6	2780.7	2736.2	2697.5	2658.6	2626.1
3207.7	7.5°	3130.2	3054.7	2979.3	2912.8	2846.3	2785.0	2727.5	2675.9	2624.4	2581.6
3312.3	10°	3210.0	3118.3	3026.6	2948.0	2869.2	2793.5	2731.8	2677.4	2623.0	2580.2
3384.3	12.5°	3268.3	3160.2	3052.1	2963.1	2874.1	2794.6	2737.1	2692.6	2648.3	2619.8
3429.3	15°	3303.4	3178.9	3054.4	2951.4	2848.4	2760.3	2714.3	2693.0	2671.8	2675.7
3450.8	17.5°	3313.5	3169.0	3024.4	2900.6	2776.7	2673.1	2644.7	2652.5	2660.2	2706.9
3467.6	20°	3316.7	3141.5	2966.4	2812.9	2659.4	2538.7	2531.2	2567.6	2604.0	2685.1
3490.3	22.5°	3321.0	3107.9	2894.9	2710.0	2525.1	2387.8	2402.5	2456.3	2510.2	2602.6
3531.4	25°	3337.9	3074.7	2811.7	2595.2	2378.7	2237.9	2277.5	2339.6	2401.7	2484.9
3595.7	27.5°	3373.2	3052.6	2732.0	2490.1	2248.3	2120.2	2168.3	2228.3	2288.2	2356.6
3678.8	30°	3421.6	3042.2	2662.6	2402.4	2142.1	2034.5	2072.3	2119.8	2167.6	2224.3
3765.7	32.5°	3463.3	3029.4	2595.2	2326.7	2058.1	1971.4	1988.2	2016.3	2044.5	2089.8
3864.6	35°	3494.0	3005.2	2516.6	2252.3	1988.0	1915.7	1908.7	1916.4	1924.3	1958.8
3975.4	37.5°	3512.2	2963.7	2415.3	2164.7	1914.1	1850.9	1825.5	1816.9	1808.3	1833.2
4116.0	40°	3523.6	2906.7	2289.8	2060.2	1830.6	1773.3	1734.2	1714.9	1695.5	1713.4
4300.1	42.5°	3545.3	2847.8	2150.5	1944.9	1739.4	1686.6	1637.4	1611.7	1586.0	1600.5
4542.2	45°	3583.6	2793.1	2002.7	1822.5	1642.2	1588.7	1541.0	1516.0	1491.0	1503.2
4800.2	47.5°	3609.8	2747.9	1886.0	1725.6	1565.1	1496.1	1455.1	1434.1	1413.1	1424.6
5039.6	50°	3592.7	2698.7	1804.7	1661.2	1517.8	1427.0	1379.4	1360.7	1342.2	1360.2
5195.0	52.5°	3487.2	2615.5	1743.9	1618.8	1493.9	1389.5	1322.9	1304.5	1286.2	1313.3
5160.8	55°	3269.4	2477.6	1685.9	1588.1	1490.4	1393.3	1293.0	1263.9	1234.8	1273.3
4919.7	57.5°	2945.5	2283.2	1620.8	1551.7	1482.7	1397.0	1275.0	1232.6	1190.2	1231.5
4471.0	60°	2511.2	2030.8	1550.3	1496.1	1441.8	1385.3	1258.1	1203.2	1148.1	1184.4
3864.4	62.5°	2022.0	1728.7	1435.4	1399.3	1363.3	1356.3	1238.4	1169.6	1101.0	1124.0
3245.4	65°	1593.8	1456.9	1320.0	1302.9	1285.9	1286.8	1196.8	1123.8	1050.7	1059.6
2639.0	67.5°	1234.5	1195.7	1156.7	1166.2	1175.6	1173.3	1122.8	1062.0	1001.2	998.4
2077.9	70°	935.1	946.2	957.3	1001.4	1045.4	1045.4	1028.8	985.5	942.3	932.6
1588.5	72.5°	721.3	754.8	788.4	851.0	913.4	923.9	924.1	894.4	864.8	850.6
1152.9	75°	560.1	590.5	620.9	690.9	760.9	809.3	805.2	782.4	759.5	746.0
781.3	77.5°	431.2	451.9	472.6	540.6	608.6	688.3	686.2	667.9	649.6	635.9
503.4	80°	323.3	331.9	340.4	398.0	455.5	550.8	550.5	535.2	519.7	508.3
309.6	82.5°	231.0	232.5	234.2	276.6	319.0	400.4	404.9	397.4	389.9	381.7
165.5	85°	139.7	139.0	138.1	169.1	200.2	260.7	266.6	258.5	250.5	241.4
68.6	87.5°	61.2	60.5	59.7	72.4	85.1	110.3	117.8	114.5	111.3	109.6
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2789.8	0°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
2682.7	2.5°	2666.6	2650.4	2634.1	2618.0	2605.4	2592.8	2582.6	2572.5	2564.5	2556.6
2593.7	5°	2565.0	2536.3	2510.3	2484.1	2464.1	2444.0	2430.0	2415.9	2406.0	2396.0
2538.7	7.5°	2502.7	2466.5	2434.6	2402.8	2378.9	2355.1	2338.4	2321.7	2310.3	2298.9
2537.3	10°	2498.5	2459.5	2423.7	2387.8	2359.3	2330.7	2312.1	2293.3	2282.5	2271.6
2591.5	12.5°	2560.9	2530.5	2493.3	2456.3	2419.9	2383.5	2359.4	2335.3	2323.2	2311.3
2679.5	15°	2671.6	2663.7	2631.4	2599.2	2547.4	2495.6	2459.0	2422.4	2405.6	2388.9
2753.6	17.5°	2778.4	2803.2	2777.1	2751.2	2682.6	2614.0	2560.0	2506.1	2481.3	2456.3
2766.2	20°	2818.1	2870.1	2858.1	2846.0	2767.5	2689.1	2623.0	2556.9	2525.1	2493.2
2695.4	22.5°	2762.9	2830.5	2837.7	2844.9	2770.0	2695.0	2626.9	2558.8	2525.2	2491.6
2568.2	25°	2634.7	2701.1	2726.0	2750.7	2689.3	2627.9	2567.3	2506.9	2477.8	2448.8
2424.9	27.5°	2478.3	2531.6	2559.2	2586.9	2543.1	2499.4	2452.5	2405.5	2386.0	2366.4
2281.1	30°	2325.3	2369.6	2392.1	2414.6	2381.3	2347.9	2314.2	2280.4	2270.5	2260.4
2135.2	32.5°	2177.5	2220.0	2245.0	2270.0	2239.4	2208.7	2181.8	2155.0	2148.4	2141.9
1993.3	35°	2035.3	2077.3	2107.3	2137.3	2115.5	2093.7	2068.9	2044.2	2034.2	2024.4
1857.9	37.5°	1899.7	1941.7	1978.7	2015.8	2005.7	1995.7	1972.9	1950.0	1931.9	1913.9
1731.2	40°	1771.7	1812.2	1854.8	1897.5	1900.0	1902.3	1882.9	1863.6	1837.2	1811.1
1615.2	42.5°	1653.5	1692.0	1738.0	1784.0	1796.3	1808.6	1792.3	1776.0	1743.3	1710.7
1515.6	45°	1552.0	1588.4	1636.2	1683.9	1701.6	1719.3	1704.5	1689.8	1652.5	1615.2
1436.1	47.5°	1471.8	1507.3	1554.4	1601.5	1621.8	1642.2	1631.9	1621.6	1588.4	1555.3
1378.3	50°	1411.9	1445.4	1487.6	1529.8	1555.9	1582.0	1581.4	1580.9	1554.4	1527.8
1340.3	52.5°	1371.1	1401.8	1441.1	1480.5	1511.5	1542.4	1548.0	1553.5	1531.9	1510.3
1311.6	55°	1344.8	1378.0	1412.4	1446.8	1479.6	1512.4	1520.1	1527.8	1509.0	1490.2
1272.8	57.5°	1311.8	1350.8	1384.8	1419.0	1452.1	1485.0	1492.8	1500.7	1481.6	1462.5
1220.6	60°	1265.4	1310.1	1344.7	1379.4	1412.6	1445.7	1454.3	1462.9	1444.2	1425.7
1147.1	62.5°	1199.2	1251.4	1288.4	1325.3	1355.7	1386.1	1394.4	1402.6	1385.8	1369.0
1068.4	65°	1124.3	1180.2	1215.6	1250.9	1277.7	1304.4	1312.9	1321.2	1305.1	1288.9
995.6	67.5°	1047.2	1098.9	1132.4	1165.8	1188.9	1212.0	1220.3	1228.4	1213.5	1198.8
923.0	70°	968.4	1013.8	1042.7	1071.6	1092.5	1113.3	1121.3	1129.2	1117.1	1105.0
836.6	72.5°	872.4	908.0	934.1	960.3	980.7	1001.2	1010.6	1020.0	1009.9	999.9
732.4	75°	759.0	785.5	809.2	832.9	851.5	870.1	880.0	889.8	884.9	880.0
622.2	77.5°	643.8	665.3	685.7	706.0	725.6	745.1	754.3	763.5	756.6	749.6
496.7	80°	514.7	532.6	549.7	566.8	581.7	596.5	608.7	620.9	617.9	615.0
373.6	82.5°	372.1	370.6	364.6	358.6	390.3	422.0	442.8	463.5	462.3	460.9
232.3	85°	224.6	216.8	200.2	183.6	213.2	243.0	268.7	294.4	292.3	290.1
107.9	87.5°	107.6	107.3	94.6	81.9	94.3	106.8	117.2	127.6	125.0	122.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2789.8	0°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
2549.3	2.5°	2541.9	2532.8	2541.9	2549.3	2556.6	2564.5	2572.5	2582.6	2592.8	2605.4
2388.4	5°	2380.8	2373.3	2380.8	2388.4	2396.0	2406.0	2415.9	2430.0	2444.0	2464.1
2292.1	7.5°	2285.3	2280.2	2285.3	2292.1	2298.9	2310.3	2321.7	2338.4	2355.1	2378.9
2265.9	10°	2260.1	2257.7	2260.1	2265.9	2271.6	2282.5	2293.3	2312.1	2330.7	2359.3
2306.3	12.5°	2301.4	2300.5	2301.4	2306.3	2311.3	2323.2	2335.3	2359.4	2383.5	2419.9
2382.4	15°	2376.0	2375.5	2376.0	2382.4	2388.9	2405.6	2422.4	2459.0	2495.6	2547.4
2448.2	17.5°	2439.9	2438.6	2439.9	2448.2	2456.3	2481.3	2506.1	2560.0	2614.0	2682.6
2483.1	20°	2472.9	2469.7	2472.9	2483.1	2493.2	2525.1	2556.9	2623.0	2689.1	2767.5
2480.4	22.5°	2469.2	2464.3	2469.2	2480.4	2491.6	2525.2	2558.8	2626.9	2695.0	2770.0
2438.2	25°	2427.7	2421.5	2427.7	2438.2	2448.8	2477.8	2506.9	2567.3	2627.9	2689.3
2361.6	27.5°	2356.7	2355.1	2356.7	2361.6	2366.4	2386.0	2405.5	2452.5	2499.4	2543.1
2260.4	30°	2260.4	2262.0	2260.4	2260.4	2260.4	2270.5	2280.4	2314.2	2347.9	2381.3
2142.8	32.5°	2143.7	2145.3	2143.7	2142.8	2141.9	2148.4	2155.0	2181.8	2208.7	2239.4
2022.2	35°	2020.1	2019.0	2020.1	2022.2	2024.4	2034.2	2044.2	2068.9	2093.7	2115.5
1904.3	37.5°	1894.8	1889.5	1894.8	1904.3	1913.9	1931.9	1950.0	1972.9	1995.7	2005.7
1793.3	40°	1775.8	1765.3	1775.8	1793.3	1811.1	1837.2	1863.6	1882.9	1902.3	1900.0
1684.9	42.5°	1659.1	1642.2	1659.1	1684.9	1710.7	1743.3	1776.0	1792.3	1808.6	1796.3
1584.9	45°	1554.6	1535.1	1554.6	1584.9	1615.2	1652.5	1689.8	1704.5	1719.3	1701.6
1527.2	47.5°	1499.3	1480.5	1499.3	1527.2	1555.3	1588.4	1621.6	1631.9	1642.2	1621.8
1501.9	50°	1476.0	1458.0	1476.0	1501.9	1527.8	1554.4	1580.9	1581.4	1582.0	1555.9
1487.1	52.5°	1463.9	1447.3	1463.9	1487.1	1510.3	1531.9	1553.5	1548.0	1542.4	1511.5
1469.8	55°	1449.5	1434.5	1449.5	1469.8	1490.2	1509.0	1527.8	1520.1	1512.4	1479.6
1442.4	57.5°	1422.2	1406.7	1422.2	1442.4	1462.5	1481.6	1500.7	1492.8	1485.0	1452.1
1405.0	60°	1384.2	1368.1	1384.2	1405.0	1425.7	1444.2	1462.9	1454.3	1445.7	1412.6
1347.1	62.5°	1325.3	1306.0	1325.3	1347.1	1369.0	1385.8	1402.6	1394.4	1386.1	1355.7
1267.7	65°	1246.6	1230.0	1246.6	1267.7	1288.9	1305.1	1321.2	1312.9	1304.4	1277.7
1179.1	67.5°	1159.4	1144.4	1159.4	1179.1	1198.8	1213.5	1228.4	1220.3	1212.0	1188.9
1086.1	70°	1067.3	1050.2	1067.3	1086.1	1105.0	1117.1	1129.2	1121.3	1113.3	1092.5
981.9	72.5°	964.0	947.4	964.0	981.9	999.9	1009.9	1020.0	1010.6	1001.2	980.7
864.9	75°	849.8	833.9	849.8	864.9	880.0	884.9	889.8	880.0	870.1	851.5
734.4	77.5°	719.2	706.5	719.2	734.4	749.6	756.6	763.5	754.3	745.1	725.6
594.6	80°	574.0	550.2	574.0	594.6	615.0	617.9	620.9	608.7	596.5	581.7
443.6	82.5°	426.3	411.1	426.3	443.6	460.9	462.3	463.5	442.8	422.0	390.3
276.6	85°	263.1	249.4	263.1	276.6	290.1	292.3	294.4	268.7	243.0	213.2
115.4	87.5°	108.3	101.7	108.3	115.4	122.3	125.0	127.6	117.2	106.8	94.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2789.8	0°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
2618.0	2.5°	2634.1	2650.4	2666.6	2682.7	2701.1	2719.7	2740.1	2760.7	2786.0	2808.8
2484.1	5°	2510.3	2536.3	2565.0	2593.7	2626.1	2658.6	2697.5	2736.2	2780.7	2825.6
2402.8	7.5°	2434.6	2466.5	2502.7	2538.7	2581.6	2624.4	2675.9	2727.5	2785.0	2846.3
2387.8	10°	2423.7	2459.5	2498.5	2537.3	2580.2	2623.0	2677.4	2731.8	2793.5	2869.2
2456.3	12.5°	2493.3	2530.5	2560.9	2591.5	2619.8	2648.3	2692.6	2737.1	2794.6	2874.1
2599.2	15°	2631.4	2663.7	2671.6	2679.5	2675.7	2671.8	2693.0	2714.3	2760.3	2848.4
2751.2	17.5°	2777.1	2803.2	2778.4	2753.6	2706.9	2660.2	2652.5	2644.7	2673.1	2776.7
2846.0	20°	2858.1	2870.1	2818.1	2766.2	2685.1	2604.0	2567.6	2531.2	2538.7	2659.4
2844.9	22.5°	2837.7	2830.5	2762.9	2695.4	2602.6	2510.2	2456.3	2402.5	2387.8	2525.1
2750.7	25°	2726.0	2701.1	2634.7	2568.2	2484.9	2401.7	2339.6	2277.5	2237.9	2378.7
2586.9	27.5°	2559.2	2531.6	2478.3	2424.9	2356.6	2288.2	2228.3	2168.3	2120.2	2248.3
2414.6	30°	2392.1	2369.6	2325.3	2281.1	2224.3	2167.6	2119.8	2072.3	2034.5	2142.1
2270.0	32.5°	2245.0	2220.0	2177.5	2135.2	2089.8	2044.5	2016.3	1988.2	1971.4	2058.1
2137.3	35°	2107.3	2077.3	2035.3	1993.3	1958.8	1924.3	1916.4	1908.7	1915.7	1988.0
2015.8	37.5°	1978.7	1941.7	1899.7	1857.9	1833.2	1808.3	1816.9	1825.5	1850.9	1914.1
1897.5	40°	1854.8	1812.2	1771.7	1731.2	1713.4	1695.5	1714.9	1734.2	1773.3	1830.6
1784.0	42.5°	1738.0	1692.0	1653.5	1615.2	1600.5	1586.0	1611.7	1637.4	1686.6	1739.4
1683.9	45°	1636.2	1588.4	1552.0	1515.6	1503.2	1491.0	1516.0	1541.0	1588.7	1642.2
1601.5	47.5°	1554.4	1507.3	1471.8	1436.1	1424.6	1413.1	1434.1	1455.1	1496.1	1565.1
1529.8	50°	1487.6	1445.4	1411.9	1378.3	1360.2	1342.2	1360.7	1379.4	1427.0	1517.8
1480.5	52.5°	1441.1	1401.8	1371.1	1340.3	1313.3	1286.2	1304.5	1322.9	1389.5	1493.9
1446.8	55°	1412.4	1378.0	1344.8	1311.6	1273.3	1234.8	1263.9	1293.0	1393.3	1490.4
1419.0	57.5°	1384.8	1350.8	1311.8	1272.8	1231.5	1190.2	1232.6	1275.0	1397.0	1482.7
1379.4	60°	1344.7	1310.1	1265.4	1220.6	1184.4	1148.1	1203.2	1258.1	1385.3	1441.8
1325.3	62.5°	1288.4	1251.4	1199.2	1147.1	1124.0	1101.0	1169.6	1238.4	1356.3	1363.3
1250.9	65°	1215.6	1180.2	1124.3	1068.4	1059.6	1050.7	1123.8	1196.8	1286.8	1285.9
1165.8	67.5°	1132.4	1098.9	1047.2	995.6	998.4	1001.2	1062.0	1122.8	1173.3	1175.6
1071.6	70°	1042.7	1013.8	968.4	923.0	932.6	942.3	985.5	1028.8	1045.4	1045.4
960.3	72.5°	934.1	908.0	872.4	836.6	850.6	864.8	894.4	924.1	923.9	913.4
832.9	75°	809.2	785.5	759.0	732.4	746.0	759.5	782.4	805.2	809.3	760.9
706.0	77.5°	685.7	665.3	643.8	622.2	635.9	649.6	667.9	686.2	688.3	608.6
566.8	80°	549.7	532.6	514.7	496.7	508.3	519.7	535.2	550.5	550.8	455.5
358.6	82.5°	364.6	370.6	372.1	373.6	381.7	389.9	397.4	404.9	400.4	319.0
183.6	85°	200.2	216.8	224.6	232.3	241.4	250.5	258.5	266.6	260.7	200.2
81.9	87.5°	94.6	107.3	107.6	107.9	109.6	111.3	114.5	117.8	110.3	85.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
2789.8	0°	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8	2789.8
2832.4	2.5°	2855.9	2880.6	2905.2	2929.6	2954.1	2977.1	3000.1
2873.3	5°	2920.9	2971.9	3022.9	3073.6	3124.3	3175.2	3226.0
2912.8	7.5°	2979.3	3054.7	3130.2	3207.7	3285.2	3369.0	3453.0
2948.0	10°	3026.6	3118.3	3210.0	3312.3	3414.7	3520.8	3626.9
2963.1	12.5°	3052.1	3160.2	3268.3	3384.3	3500.4	3616.9	3733.4
2951.4	15°	3054.4	3178.9	3303.4	3429.3	3555.2	3676.7	3798.2
2900.6	17.5°	3024.4	3169.0	3313.5	3450.8	3588.2	3711.4	3834.6
2812.9	20°	2966.4	3141.5	3316.7	3467.6	3618.6	3746.7	3874.7
2710.0	22.5°	2894.9	3107.9	3321.0	3490.3	3659.6	3790.5	3921.3
2595.2	25°	2811.7	3074.7	3337.9	3531.4	3724.9	3853.0	3981.3
2490.1	27.5°	2732.0	3052.6	3373.2	3595.7	3818.0	3940.4	4062.6
2402.4	30°	2662.6	3042.2	3421.6	3678.8	3936.1	4054.2	4172.4
2326.7	32.5°	2595.2	3029.4	3463.3	3765.7	4068.0	4184.9	4301.9
2252.3	35°	2516.6	3005.2	3494.0	3864.6	4235.2	4347.3	4459.3
2164.7	37.5°	2415.3	2963.7	3512.2	3975.4	4438.6	4581.4	4724.2
2060.2	40°	2289.8	2906.7	3523.6	4116.0	4708.4	4916.5	5124.6
1944.9	42.5°	2150.5	2847.8	3545.3	4300.1	5054.8	5355.2	5655.6
1822.5	45°	2002.7	2793.1	3583.6	4542.2	5500.9	5906.1	6311.2
1725.6	47.5°	1886.0	2747.9	3609.8	4800.2	5990.6	6561.0	7131.3
1661.2	50°	1804.7	2698.7	3592.7	5039.6	6486.5	7346.3	8206.1
1618.8	52.5°	1743.9	2615.5	3487.2	5195.0	6902.7	8171.3	9439.8
1588.1	55°	1685.9	2477.6	3269.4	5160.8	7052.0	8902.7	10753.4
1551.7	57.5°	1620.8	2283.2	2945.5	4919.7	6893.9	9421.0	11948.1
1496.1	60°	1550.3	2030.8	2511.2	4471.0	6430.8	9550.5	12670.1
1399.3	62.5°	1435.4	1728.7	2022.0	3864.4	5706.7	9005.1	12303.5
1302.9	65°	1320.0	1456.9	1593.8	3245.4	4897.1	8233.4	11569.6
1166.2	67.5°	1156.7	1195.7	1234.5	2639.0	4043.6	7315.0	10586.4
1001.4	70°	957.3	946.2	935.1	2077.9	3220.7	6312.9	9405.1
851.0	72.5°	788.4	754.8	721.3	1588.5	2455.8	5226.5	7997.3
690.9	75°	620.9	590.5	560.1	1152.9	1745.8	3981.2	6216.5
540.6	77.5°	472.6	451.9	431.2	781.3	1131.3	2786.5	4441.6
398.0	80°	340.4	331.9	323.3	503.4	683.5	1795.3	2907.0
276.6	82.5°	234.2	232.5	231.0	309.6	388.4	1039.0	1689.8
169.1	85°	138.1	139.0	139.7	165.5	191.4	467.4	743.5
72.4	87.5°	59.7	60.5	61.2	68.6	76.0	153.1	230.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)