

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: P949546

Luminaire Tested: **GALN-SB4B-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949546
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-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22487 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

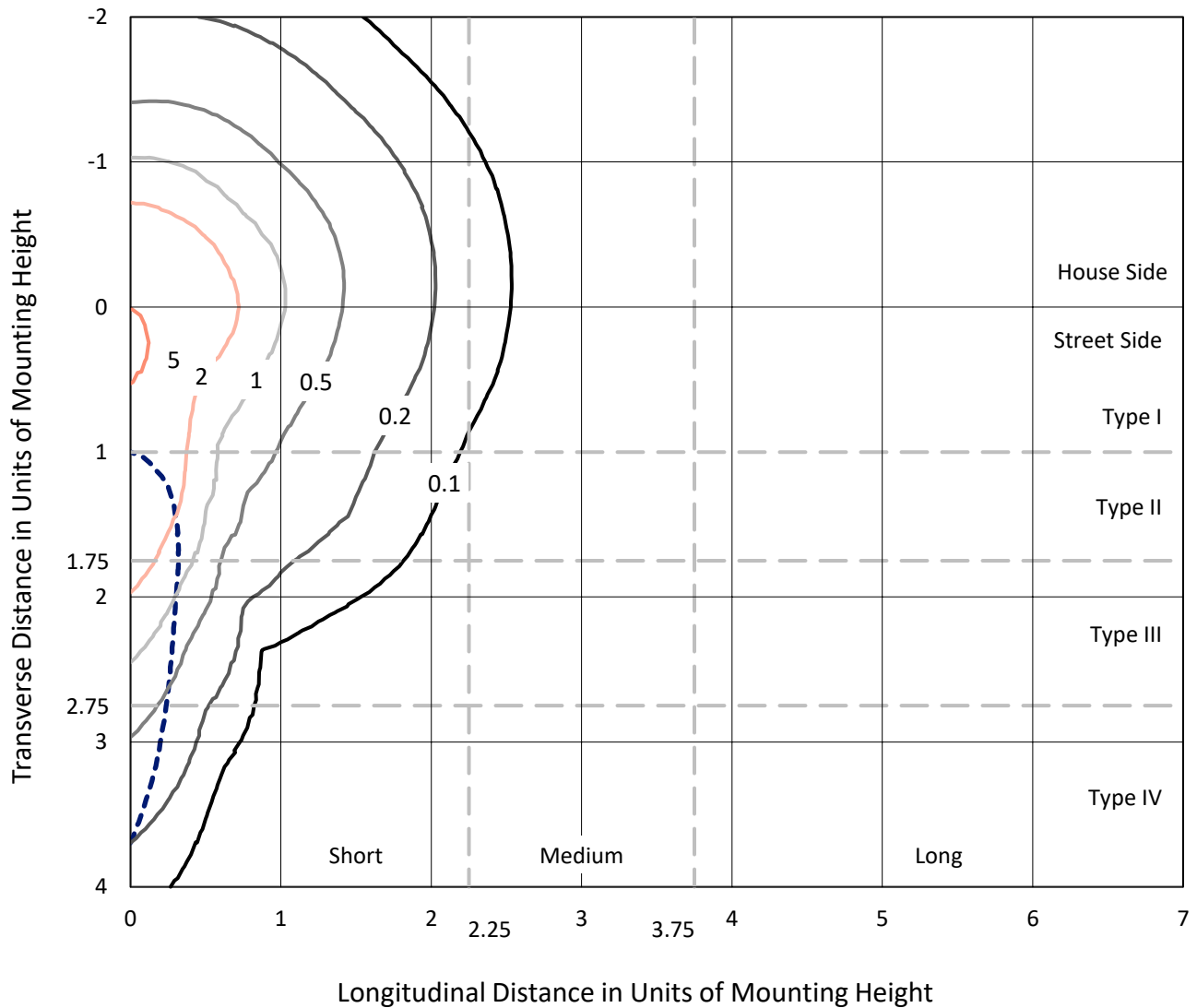
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

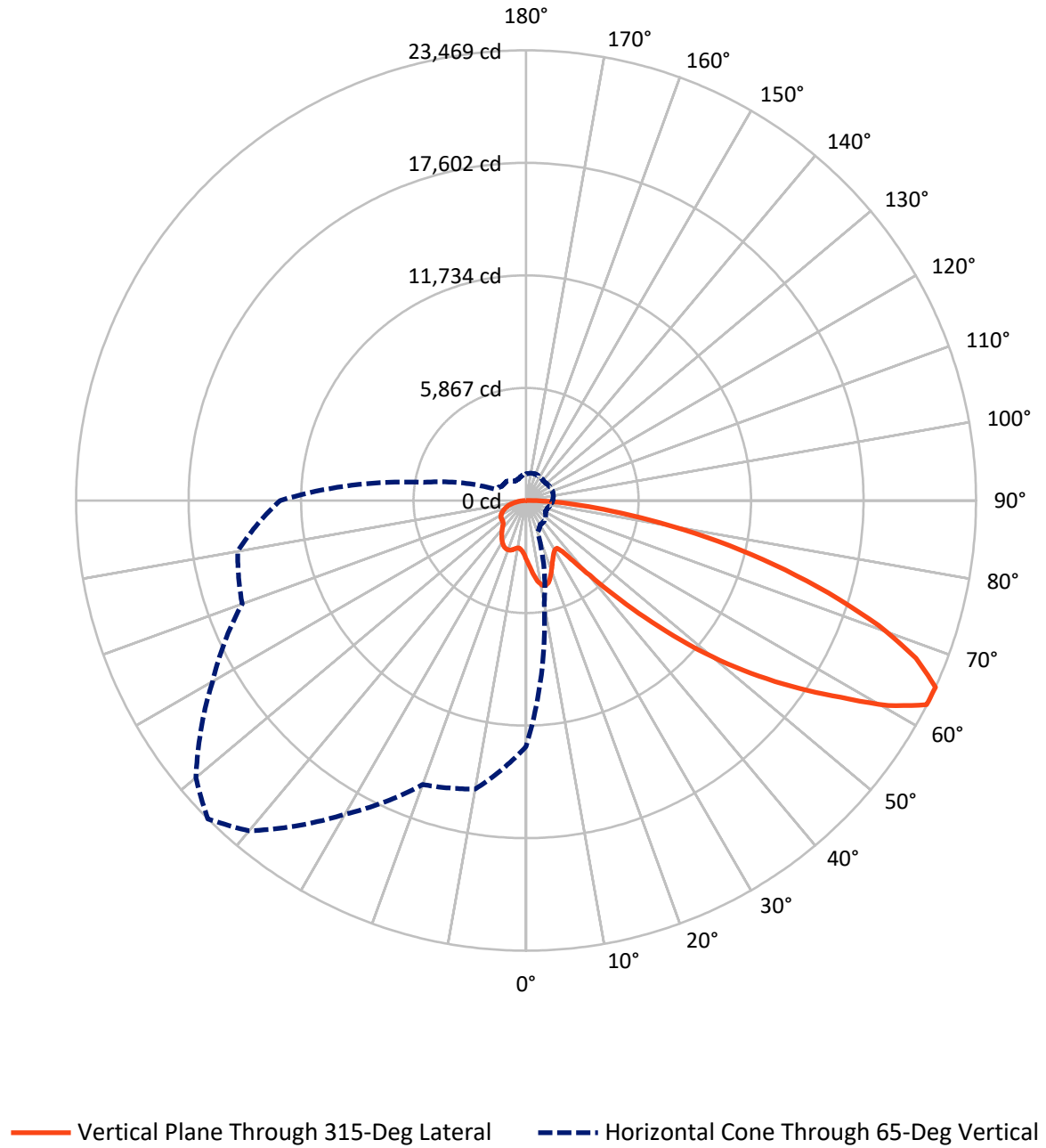
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5715.1	0.0	5715.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	16771.9	0.0	16771.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	22487.0	0.0	22487.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.7	1.4
10°-20°	962.9	4.3
20°-30°	1487.4	6.6
30°-40°	1884.9	8.4
40°-50°	2842.9	12.6
50°-60°	4593.1	20.4
60°-70°	5726.0	25.5
70°-80°	3754.8	16.7
80°-90°	928.3	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°	22487.0	100.0
0°-180°	22487.0	100.0

Coefficient of Utilization



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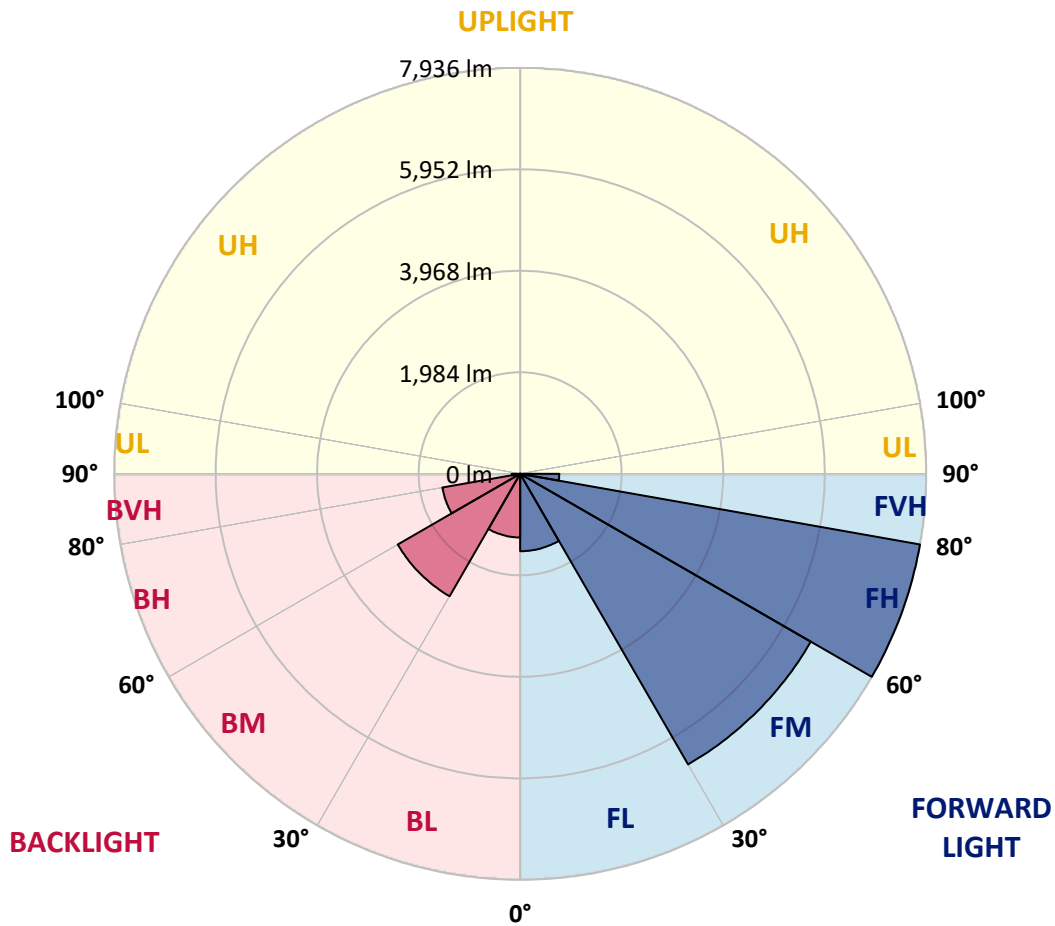
CATALOG NUMBER: GALN-SB4B-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1512.5	6.7			
FM (30°-60°)	6559.0	29.2			
FH (60°-80°)	7935.8	35.3			G4/12000
FVH (80°-90°)	764.7	3.4			G5
BL (0°-30°)	1244.5	5.5	B3/2500		
BM (30°-60°)	2761.9	12.3	B3/5000		
BH (60°-80°)	1545.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	163.6	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
2.5°	3325.3	3299.8	3274.3	3247.1	3220.1	3192.8	3165.5	3139.4	3113.3	3088.0
5°	3575.7	3519.3	3463.0	3406.7	3350.6	3294.0	3237.5	3184.7	3131.9	3082.1
7.5°	3827.2	3734.2	3641.3	3555.4	3469.5	3385.8	3302.2	3228.5	3154.8	3086.8
10°	4020.0	3902.5	3784.9	3671.3	3557.9	3456.3	3354.6	3267.5	3180.2	3096.3
12.5°	4138.1	4008.9	3879.8	3751.2	3622.5	3502.7	3382.9	3284.3	3185.7	3097.5
15°	4209.9	4075.2	3940.5	3801.0	3661.5	3523.5	3385.5	3271.3	3157.2	3059.5
17.5°	4250.2	4113.7	3977.1	3824.9	3672.6	3512.4	3352.2	3215.0	3077.7	2962.8
20°	4294.7	4152.8	4010.8	3843.5	3676.2	3482.1	3287.9	3117.8	2947.6	2813.9
22.5°	4346.3	4201.3	4056.2	3868.6	3680.9	3444.8	3208.7	3003.8	2798.8	2646.6
25°	4412.8	4270.6	4128.6	3914.2	3699.7	3408.0	3116.5	2876.4	2636.5	2480.5
27.5°	4503.0	4367.5	4231.8	3985.4	3738.8	3383.5	3028.1	2760.0	2492.0	2350.0
30°	4624.6	4493.6	4362.7	4077.6	3792.5	3371.9	2951.2	2662.7	2374.3	2255.0
32.5°	4768.2	4638.5	4508.9	4173.8	3838.7	3357.7	2876.4	2578.9	2281.1	2185.0
35°	4942.6	4818.5	4694.2	4283.5	3872.7	3330.9	2789.3	2496.4	2203.4	2123.3
37.5°	5236.3	5078.0	4919.7	4406.3	3892.8	3285.0	2677.1	2399.3	2121.6	2051.5
40°	5680.0	5449.4	5218.7	4562.2	3905.5	3221.7	2538.0	2283.5	2029.0	1965.5
42.5°	6268.6	5935.6	5602.7	4766.1	3929.6	3156.5	2383.5	2155.7	1927.9	1869.4
45°	6995.3	6546.2	6097.1	5034.5	3972.0	3095.8	2219.8	2020.0	1820.2	1760.8
47.5°	7904.2	7272.1	6639.9	5320.5	4001.1	3045.8	2090.5	1912.6	1734.7	1658.2
50°	9095.5	8142.6	7189.6	5585.8	3982.1	2991.2	2000.3	1841.3	1682.3	1581.7
52.5°	10463.0	9057.0	7650.9	5758.1	3865.2	2899.0	1932.9	1794.3	1655.8	1540.1
55°	11918.9	9867.6	7816.4	5720.1	3623.7	2746.2	1868.6	1760.3	1651.9	1544.3
57.5°	13243.1	10442.1	7641.2	5452.9	3264.8	2530.7	1796.4	1719.9	1643.4	1548.5
60°	14043.4	10585.7	7127.9	4955.6	2783.4	2250.9	1718.4	1658.2	1598.0	1535.4
62.5°	13637.0	9981.2	6325.3	4283.2	2241.2	1916.0	1590.9	1550.9	1511.1	1503.4
65°	12823.7	9125.8	5427.9	3597.2	1766.5	1614.8	1463.0	1444.2	1425.3	1426.2
67.5°	11733.8	8107.8	4481.8	2925.1	1368.3	1325.3	1282.1	1292.6	1303.1	1300.5
70°	10424.5	6997.1	3569.7	2303.1	1036.5	1048.8	1061.0	1109.9	1158.7	1158.7
72.5°	8864.1	5793.0	2722.0	1760.7	799.5	836.6	873.9	943.2	1012.4	1024.0
75°	6890.3	4412.7	1935.0	1277.9	620.8	654.5	688.2	765.8	843.4	897.0
77.5°	4923.0	3088.5	1253.9	865.9	477.9	500.8	523.9	599.2	674.6	763.0
80°	3222.1	1989.8	757.6	557.9	358.3	367.8	377.3	441.2	504.9	610.5
82.5°	1873.0	1151.7	430.5	343.2	256.1	257.7	259.6	306.6	353.6	443.8
85°	824.1	518.0	212.2	183.4	154.8	154.0	153.1	187.5	221.9	288.9
87.5°	255.1	169.7	84.2	76.1	67.9	67.0	66.2	80.2	94.3	122.2
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°
3092.2	0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
3059.9	2.5°	3037.1	3014.4	2993.9	2973.5	2955.6	2937.7	2919.6	2901.7	2887.8	2873.8
3032.8	5°	2989.9	2946.8	2910.7	2874.8	2843.0	2811.2	2782.3	2753.4	2731.2	2708.9
3023.1	7.5°	2965.9	2908.8	2861.4	2813.9	2773.9	2733.8	2698.5	2663.2	2636.8	2610.4
3027.8	10°	2967.6	2907.3	2859.8	2812.4	2769.3	2726.1	2686.4	2646.6	2615.0	2583.4
3033.8	12.5°	2984.4	2935.3	2903.7	2872.4	2838.5	2804.8	2763.6	2722.5	2682.2	2641.9
3008.5	15°	2984.9	2961.4	2965.7	2969.9	2961.2	2952.4	2916.7	2880.9	2823.5	2766.1
2931.4	17.5°	2940.0	2948.6	3000.3	3052.1	3079.6	3107.0	3078.2	3049.4	2973.4	2897.3
2805.6	20°	2845.9	2886.3	2976.1	3066.1	3123.6	3181.1	3167.9	3154.5	3067.5	2980.6
2662.9	22.5°	2722.5	2782.2	2884.7	2987.5	3062.4	3137.2	3145.3	3153.3	3070.2	2987.1
2524.4	25°	2593.2	2662.0	2754.2	2846.5	2920.2	2993.9	3021.4	3048.8	2980.7	2912.7
2403.4	27.5°	2469.8	2536.3	2612.1	2687.8	2746.9	2806.0	2836.6	2867.3	2818.8	2770.4
2296.9	30°	2349.6	2402.5	2465.4	2528.3	2577.3	2626.4	2651.4	2676.3	2639.4	2602.3
2203.7	32.5°	2234.9	2266.1	2316.3	2366.6	2413.6	2460.7	2488.3	2516.1	2482.1	2448.1
2115.6	35°	2124.2	2132.8	2171.2	2209.4	2255.9	2302.5	2335.7	2369.0	2344.7	2320.7
2023.3	37.5°	2013.8	2004.3	2031.9	2059.3	2105.7	2152.2	2193.2	2234.3	2223.1	2212.0
1922.2	40°	1900.7	1879.3	1899.1	1918.9	1963.7	2008.6	2055.8	2103.2	2105.9	2108.5
1814.8	42.5°	1786.4	1757.9	1774.0	1790.3	1832.7	1875.3	1926.4	1977.4	1991.0	2004.7
1708.0	45°	1680.3	1652.6	1666.2	1679.9	1720.3	1760.6	1813.5	1866.4	1886.0	1905.6
1612.8	47.5°	1589.5	1566.2	1579.1	1591.8	1631.3	1670.7	1722.9	1775.1	1797.6	1820.2
1528.9	50°	1508.2	1487.7	1507.6	1527.7	1564.9	1602.1	1648.8	1695.6	1724.5	1753.5
1466.3	52.5°	1445.9	1425.6	1455.7	1485.6	1519.7	1553.8	1597.3	1641.0	1675.3	1709.6
1433.1	55°	1400.8	1368.7	1411.3	1453.8	1490.5	1527.3	1565.5	1603.6	1639.9	1676.4
1413.2	57.5°	1366.2	1319.2	1365.0	1410.8	1454.0	1497.2	1534.9	1572.8	1609.4	1646.0
1394.4	60°	1333.6	1272.6	1312.8	1352.9	1402.5	1452.1	1490.4	1528.9	1565.7	1602.4
1372.6	62.5°	1296.4	1220.4	1245.9	1271.4	1329.2	1387.1	1428.0	1469.0	1502.7	1536.3
1326.6	65°	1245.6	1164.6	1174.4	1184.2	1246.1	1308.2	1347.3	1386.5	1416.2	1445.8
1244.5	67.5°	1177.1	1109.7	1106.6	1103.5	1160.7	1218.0	1255.1	1292.2	1317.8	1343.4
1140.3	70°	1092.3	1044.4	1033.7	1023.0	1073.4	1123.7	1155.7	1187.7	1210.9	1234.0
1024.2	72.5°	991.4	958.5	942.8	927.3	966.9	1006.4	1035.4	1064.3	1087.0	1109.7
892.5	75°	867.3	841.9	826.9	811.8	841.3	870.7	896.9	923.1	943.8	964.4
760.6	77.5°	740.3	720.0	704.8	689.6	713.6	737.4	760.0	782.5	804.2	825.8
610.1	80°	593.2	576.1	563.4	550.6	570.5	590.3	609.3	628.3	644.8	661.1
448.8	82.5°	440.4	432.1	423.1	414.1	412.4	410.8	404.1	397.5	432.6	467.7
295.5	85°	286.6	277.7	267.6	257.5	248.9	240.3	221.9	203.5	236.4	269.3
130.5	87.5°	127.0	123.4	121.5	119.6	119.2	118.9	104.9	90.8	104.5	118.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3092.2	0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
2862.6	2.5°	2851.3	2842.5	2833.7	2825.7	2817.5	2807.4	2817.5	2825.7	2833.7	2842.5
2693.4	5°	2677.8	2666.8	2655.7	2647.3	2638.9	2630.6	2638.9	2647.3	2655.7	2666.8
2591.9	7.5°	2573.4	2560.7	2548.1	2540.5	2533.1	2527.4	2533.1	2540.5	2548.1	2560.7
2562.7	10°	2541.8	2529.8	2517.9	2511.5	2505.0	2502.4	2505.0	2511.5	2517.9	2529.8
2615.2	12.5°	2588.5	2575.1	2561.8	2556.3	2550.9	2549.9	2550.9	2556.3	2561.8	2575.1
2725.5	15°	2684.9	2666.3	2647.8	2640.7	2633.6	2633.0	2633.6	2640.7	2647.8	2666.3
2837.5	17.5°	2777.7	2750.2	2722.5	2713.5	2704.4	2703.0	2704.4	2713.5	2722.5	2750.2
2907.3	20°	2834.1	2798.8	2763.5	2752.2	2740.9	2737.4	2740.9	2752.2	2763.5	2798.8
2911.7	22.5°	2836.1	2799.0	2761.7	2749.2	2736.8	2731.4	2736.8	2749.2	2761.7	2799.0
2845.6	25°	2778.7	2746.4	2714.2	2702.5	2690.9	2684.0	2690.9	2702.5	2714.2	2746.4
2718.3	27.5°	2666.2	2644.6	2622.9	2617.5	2612.2	2610.4	2612.2	2617.5	2622.9	2644.6
2565.1	30°	2527.6	2516.6	2505.4	2505.4	2505.4	2507.2	2505.4	2505.4	2505.4	2516.6
2418.3	32.5°	2388.5	2381.3	2374.1	2375.0	2376.1	2377.9	2376.1	2375.0	2374.1	2381.3
2293.1	35°	2265.7	2254.7	2243.8	2241.4	2239.0	2237.8	2239.0	2241.4	2243.8	2254.7
2186.7	37.5°	2161.3	2141.3	2121.3	2110.8	2100.2	2094.3	2100.2	2110.8	2121.3	2141.3
2087.0	40°	2065.6	2036.4	2007.4	1987.7	1968.3	1956.6	1968.3	1987.7	2007.4	2036.4
1986.5	42.5°	1968.5	1932.3	1896.1	1867.5	1838.9	1820.2	1838.9	1867.5	1896.1	1932.3
1889.2	45°	1873.0	1831.6	1790.3	1756.7	1723.1	1701.5	1723.1	1756.7	1790.3	1831.6
1808.8	47.5°	1797.4	1760.6	1723.8	1692.7	1661.8	1641.0	1661.8	1692.7	1723.8	1760.6
1752.8	50°	1752.3	1722.9	1693.4	1664.7	1636.0	1616.1	1636.0	1664.7	1693.4	1722.9
1715.8	52.5°	1721.9	1698.0	1674.0	1648.2	1622.6	1604.2	1622.6	1648.2	1674.0	1698.0
1684.9	55°	1693.4	1672.6	1651.7	1629.1	1606.6	1590.0	1606.6	1629.1	1651.7	1672.6
1654.6	57.5°	1663.3	1642.2	1621.1	1598.8	1576.3	1559.1	1576.3	1598.8	1621.1	1642.2
1611.9	60°	1621.4	1600.8	1580.3	1557.2	1534.2	1516.4	1534.2	1557.2	1580.3	1600.8
1545.5	62.5°	1554.6	1536.0	1517.4	1493.2	1469.0	1447.6	1469.0	1493.2	1517.4	1536.0
1455.2	65°	1464.4	1446.5	1428.6	1405.1	1381.7	1363.3	1381.7	1405.1	1428.6	1446.5
1352.6	67.5°	1361.6	1345.1	1328.7	1306.9	1285.0	1268.4	1285.0	1306.9	1328.7	1345.1
1242.8	70°	1251.6	1238.2	1224.8	1203.9	1183.0	1164.0	1183.0	1203.9	1224.8	1238.2
1120.1	72.5°	1130.5	1119.4	1108.2	1088.3	1068.5	1050.1	1068.5	1088.3	1108.2	1119.4
975.3	75°	986.3	980.8	975.3	958.6	941.9	924.3	941.9	958.6	975.3	980.8
836.0	77.5°	846.2	838.7	830.8	814.0	797.1	783.1	797.1	814.0	830.8	838.7
674.7	80°	688.2	684.9	681.7	659.0	636.2	609.9	636.2	659.0	681.7	684.9
490.8	82.5°	513.8	512.4	510.8	491.7	472.5	455.6	472.5	491.7	510.8	512.4
297.8	85°	326.3	323.9	321.6	306.6	291.7	276.5	291.7	306.6	321.6	323.9
129.9	87.5°	141.4	138.6	135.5	127.9	120.1	112.7	120.1	127.9	135.5	138.6
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°
3092.2	0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
2851.3	2.5°	2862.6	2873.8	2887.8	2901.7	2919.6	2937.7	2955.6	2973.5	2993.9	3014.4
2677.8	5°	2693.4	2708.9	2731.2	2753.4	2782.3	2811.2	2843.0	2874.8	2910.7	2946.8
2573.4	7.5°	2591.9	2610.4	2636.8	2663.2	2698.5	2733.8	2773.9	2813.9	2861.4	2908.8
2541.8	10°	2562.7	2583.4	2615.0	2646.6	2686.4	2726.1	2769.3	2812.4	2859.8	2907.3
2588.5	12.5°	2615.2	2641.9	2682.2	2722.5	2763.6	2804.8	2838.5	2872.4	2903.7	2935.3
2684.9	15°	2725.5	2766.1	2823.5	2880.9	2916.7	2952.4	2961.2	2969.9	2965.7	2961.4
2777.7	17.5°	2837.5	2897.3	2973.4	3049.4	3078.2	3107.0	3079.6	3052.1	3000.3	2948.6
2834.1	20°	2907.3	2980.6	3067.5	3154.5	3167.9	3181.1	3123.6	3066.1	2976.1	2886.3
2836.1	22.5°	2911.7	2987.1	3070.2	3153.3	3145.3	3137.2	3062.4	2987.5	2884.7	2782.2
2778.7	25°	2845.6	2912.7	2980.7	3048.8	3021.4	2993.9	2920.2	2846.5	2754.2	2662.0
2666.2	27.5°	2718.3	2770.4	2818.8	2867.3	2836.6	2806.0	2746.9	2687.8	2612.1	2536.3
2527.6	30°	2565.1	2602.3	2639.4	2676.3	2651.4	2626.4	2577.3	2528.3	2465.4	2402.5
2388.5	32.5°	2418.3	2448.1	2482.1	2516.1	2488.3	2460.7	2413.6	2366.6	2316.3	2266.1
2265.7	35°	2293.1	2320.7	2344.7	2369.0	2335.7	2302.5	2255.9	2209.4	2171.2	2132.8
2161.3	37.5°	2186.7	2212.0	2223.1	2234.3	2193.2	2152.2	2105.7	2059.3	2031.9	2004.3
2065.6	40°	2087.0	2108.5	2105.9	2103.2	2055.8	2008.6	1963.7	1918.9	1899.1	1879.3
1968.5	42.5°	1986.5	2004.7	1991.0	1977.4	1926.4	1875.3	1832.7	1790.3	1774.0	1757.9
1873.0	45°	1889.2	1905.6	1886.0	1866.4	1813.5	1760.6	1720.3	1679.9	1666.2	1652.6
1797.4	47.5°	1808.8	1820.2	1797.6	1775.1	1722.9	1670.7	1631.3	1591.8	1579.1	1566.2
1752.3	50°	1752.8	1753.5	1724.5	1695.6	1648.8	1602.1	1564.9	1527.7	1507.6	1487.7
1721.9	52.5°	1715.8	1709.6	1675.3	1641.0	1597.3	1553.8	1519.7	1485.6	1455.7	1425.6
1693.4	55°	1684.9	1676.4	1639.9	1603.6	1565.5	1527.3	1490.5	1453.8	1411.3	1368.7
1663.3	57.5°	1654.6	1646.0	1609.4	1572.8	1534.9	1497.2	1454.0	1410.8	1365.0	1319.2
1621.4	60°	1611.9	1602.4	1565.7	1528.9	1490.4	1452.1	1402.5	1352.9	1312.8	1272.6
1554.6	62.5°	1545.5	1536.3	1502.7	1469.0	1428.0	1387.1	1329.2	1271.4	1245.9	1220.4
1464.4	65°	1455.2	1445.8	1416.2	1386.5	1347.3	1308.2	1246.1	1184.2	1174.4	1164.6
1361.6	67.5°	1352.6	1343.4	1317.8	1292.2	1255.1	1218.0	1160.7	1103.5	1106.6	1109.7
1251.6	70°	1242.8	1234.0	1210.9	1187.7	1155.7	1123.7	1073.4	1023.0	1033.7	1044.4
1130.5	72.5°	1120.1	1109.7	1087.0	1064.3	1035.4	1006.4	966.9	927.3	942.8	958.5
986.3	75°	975.3	964.4	943.8	923.1	896.9	870.7	841.3	811.8	826.9	841.9
846.2	77.5°	836.0	825.8	804.2	782.5	760.0	737.4	713.6	689.6	704.8	720.0
688.2	80°	674.7	661.1	644.8	628.3	609.3	590.3	570.5	550.6	563.4	576.1
513.8	82.5°	490.8	467.7	432.6	397.5	404.1	410.8	412.4	414.1	423.1	432.1
326.3	85°	297.8	269.3	236.4	203.5	221.9	240.3	248.9	257.5	267.6	277.7
141.4	87.5°	129.9	118.4	104.5	90.8	104.9	118.9	119.2	119.6	121.5	123.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3092.2	0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
3037.1	2.5°	3059.9	3088.0	3113.3	3139.4	3165.5	3192.8	3220.1	3247.1	3274.3	3299.8
2989.9	5°	3032.8	3082.1	3131.9	3184.7	3237.5	3294.0	3350.6	3406.7	3463.0	3519.3
2965.9	7.5°	3023.1	3086.8	3154.8	3228.5	3302.2	3385.8	3469.5	3555.4	3641.3	3734.2
2967.6	10°	3027.8	3096.3	3180.2	3267.5	3354.6	3456.3	3557.9	3671.3	3784.9	3902.5
2984.4	12.5°	3033.8	3097.5	3185.7	3284.3	3382.9	3502.7	3622.5	3751.2	3879.8	4008.9
2984.9	15°	3008.5	3059.5	3157.2	3271.3	3385.5	3523.5	3661.5	3801.0	3940.5	4075.2
2940.0	17.5°	2931.4	2962.8	3077.7	3215.0	3352.2	3512.4	3672.6	3824.9	3977.1	4113.7
2845.9	20°	2805.6	2813.9	2947.6	3117.8	3287.9	3482.1	3676.2	3843.5	4010.8	4152.8
2722.5	22.5°	2662.9	2646.6	2798.8	3003.8	3208.7	3444.8	3680.9	3868.6	4056.2	4201.3
2593.2	25°	2524.4	2480.5	2636.5	2876.4	3116.5	3408.0	3699.7	3914.2	4128.6	4270.6
2469.8	27.5°	2403.4	2350.0	2492.0	2760.0	3028.1	3383.5	3738.8	3985.4	4231.8	4367.5
2349.6	30°	2296.9	2255.0	2374.3	2662.7	2951.2	3371.9	3792.5	4077.6	4362.7	4493.6
2234.9	32.5°	2203.7	2185.0	2281.1	2578.9	2876.4	3357.7	3838.7	4173.8	4508.9	4638.5
2124.2	35°	2115.6	2123.3	2203.4	2496.4	2789.3	3330.9	3872.7	4283.5	4694.2	4818.5
2013.8	37.5°	2023.3	2051.5	2121.6	2399.3	2677.1	3285.0	3892.8	4406.3	4919.7	5078.0
1900.7	40°	1922.2	1965.5	2029.0	2283.5	2538.0	3221.7	3905.5	4562.2	5218.7	5449.4
1786.4	42.5°	1814.8	1869.4	1927.9	2155.7	2383.5	3156.5	3929.6	4766.1	5602.7	5935.6
1680.3	45°	1708.0	1760.8	1820.2	2020.0	2219.8	3095.8	3972.0	5034.5	6097.1	6546.2
1589.5	47.5°	1612.8	1658.2	1734.7	1912.6	2090.5	3045.8	4001.1	5320.5	6639.9	7272.1
1508.2	50°	1528.9	1581.7	1682.3	1841.3	2000.3	2991.2	3982.1	5585.8	7189.6	8142.6
1445.9	52.5°	1466.3	1540.1	1655.8	1794.3	1932.9	2899.0	3865.2	5758.1	7650.9	9057.0
1400.8	55°	1433.1	1544.3	1651.9	1760.3	1868.6	2746.2	3623.7	5720.1	7816.4	9867.6
1366.2	57.5°	1413.2	1548.5	1643.4	1719.9	1796.4	2530.7	3264.8	5452.9	7641.2	10442.1
1333.6	60°	1394.4	1535.4	1598.0	1658.2	1718.4	2250.9	2783.4	4955.6	7127.9	10585.7
1296.4	62.5°	1372.6	1503.4	1511.1	1550.9	1590.9	1916.0	2241.2	4283.2	6325.3	9981.2
1245.6	65°	1326.6	1426.2	1425.3	1444.2	1463.0	1614.8	1766.5	3597.2	5427.9	9125.8
1177.1	67.5°	1244.5	1300.5	1303.1	1292.6	1282.1	1325.3	1368.3	2925.1	4481.8	8107.8
1092.3	70°	1140.3	1158.7	1158.7	1109.9	1061.0	1048.8	1036.5	2303.1	3569.7	6997.1
991.4	72.5°	1024.2	1024.0	1012.4	943.2	873.9	836.6	799.5	1760.7	2722.0	5793.0
867.3	75°	892.5	897.0	843.4	765.8	688.2	654.5	620.8	1277.9	1935.0	4412.7
740.3	77.5°	760.6	763.0	674.6	599.2	523.9	500.8	477.9	865.9	1253.9	3088.5
593.2	80°	610.1	610.5	504.9	441.2	377.3	367.8	358.3	557.9	757.6	1989.8
440.4	82.5°	448.8	443.8	353.6	306.6	259.6	257.7	256.1	343.2	430.5	1151.7
286.6	85°	295.5	288.9	221.9	187.5	153.1	154.0	154.8	183.4	212.2	518.0
127.0	87.5°	130.5	122.2	94.3	80.2	66.2	67.0	67.9	76.1	84.2	169.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3092.2	0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
3325.3	2.5°	3337.9	3350.6	3368.5	3386.4	3397.1	3407.8	3413.1	3418.5	3416.1	3418.5
3575.7	5°	3619.7	3663.8	3707.5	3751.3	3775.0	3798.7	3813.1	3827.6	3838.5	3827.6
3827.2	7.5°	3898.9	3970.4	4034.9	4099.3	4138.1	4176.9	4197.9	4218.8	4228.9	4218.8
4020.0	10°	4104.8	4189.5	4265.1	4340.6	4386.4	4432.0	4452.4	4472.7	4480.4	4472.7
4138.1	12.5°	4229.9	4321.7	4390.0	4458.1	4491.3	4524.6	4535.7	4546.9	4548.1	4546.9
4209.9	15°	4289.2	4368.3	4411.1	4454.1	4455.3	4456.5	4444.6	4432.7	4418.7	4432.7
4250.2	17.5°	4303.7	4357.3	4358.1	4358.8	4310.7	4262.7	4218.7	4174.5	4143.4	4174.5
4294.7	20°	4313.4	4332.1	4275.7	4219.4	4113.3	4007.2	3930.0	3852.7	3805.3	3852.7
4346.3	22.5°	4321.9	4297.5	4180.7	4063.9	3907.9	3751.9	3655.3	3558.7	3506.3	3558.7
4412.8	25°	4335.7	4258.5	4081.3	3904.0	3714.5	3525.0	3423.4	3322.1	3272.5	3322.1
4503.0	27.5°	4365.1	4227.1	3992.3	3757.6	3547.6	3337.5	3237.6	3137.8	3091.0	3137.8
4624.6	30°	4419.0	4213.4	3924.4	3635.4	3416.6	3197.8	3105.1	3012.4	2968.8	3012.4
4768.2	32.5°	4486.6	4205.1	3878.1	3551.1	3345.5	3139.9	3067.1	2994.3	2962.8	2994.3
4942.6	35°	4598.0	4253.6	3912.8	3572.1	3429.3	3286.5	3269.5	3252.6	3250.0	3252.6
5236.3	37.5°	4830.9	4425.6	4115.9	3806.2	3797.0	3787.7	3865.3	3942.9	3983.3	3942.9
5680.0	40°	5239.2	4798.4	4568.1	4337.8	4500.4	4662.9	4851.6	5040.2	5134.2	5040.2
6268.6	42.5°	5831.2	5393.8	5261.2	5128.5	5483.1	5837.6	6180.8	6523.9	6725.4	6523.9
6995.3	45°	6602.5	6209.5	6151.0	6092.4	6660.4	7228.5	7792.3	8356.3	8698.6	8356.3
7904.2	47.5°	7522.0	7139.7	7127.9	7116.0	7935.4	8754.6	9580.1	10405.5	10890.2	10405.5
9095.5	50°	8623.4	8151.4	8153.4	8155.4	9211.4	10267.5	11357.1	12446.7	13105.5	12446.7
10463.0	52.5°	9891.3	9319.8	9262.0	9204.1	10465.5	11726.9	13075.1	14423.1	15212.8	14423.1
11918.9	55°	11354.1	10789.3	10564.0	10338.7	11742.6	13146.4	14753.6	16360.8	17299.9	16360.8
13243.1	57.5°	12935.6	12627.9	12175.9	11724.1	13141.7	14559.2	16379.6	18199.9	19364.5	18199.9
14043.4	60°	14521.1	14999.0	14437.7	13876.5	15218.0	16559.5	18508.6	20457.6	21716.3	20457.6
13637.0	62.5°	14942.4	16247.7	16184.5	16121.1	17350.0	18579.0	20433.4	22287.6	23451.0	22287.6
12823.7	65°	14048.8	15273.9	15516.3	15758.6	17320.3	18882.2	20680.3	22478.3	23468.8	22478.3
11733.8	67.5°	12899.0	14064.2	14177.9	14291.4	15918.7	17545.8	19351.6	21157.4	21933.4	21157.4
10424.5	70°	11691.8	12959.3	13010.1	13061.0	14516.2	15971.2	17525.3	19079.2	19510.5	19079.2
8864.1	72.5°	10318.5	11773.0	11809.5	11845.9	12984.4	14122.9	15286.8	16450.6	16494.3	16450.6
6890.3	75°	8395.6	9900.8	10036.0	10171.1	11056.9	11942.7	12762.0	13581.3	13361.8	13581.3
4923.0	77.5°	6328.1	7733.4	7926.8	8120.2	8793.5	9466.9	10048.0	10629.1	10251.8	10629.1
3222.1	80°	4404.2	5586.3	5826.7	6067.1	6575.6	7084.0	7389.1	7694.2	7087.3	7694.2
1873.0	82.5°	2681.1	3489.4	3757.9	4026.6	4376.6	4726.6	4853.9	4981.1	4504.2	4981.1
824.1	85°	1253.0	1681.9	1910.3	2138.8	2426.4	2713.9	2786.1	2858.4	2476.3	2858.4
255.1	87.5°	399.3	543.4	670.9	798.3	942.1	1085.9	1092.1	1098.2	922.0	1098.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
3092.2	0°	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2	3092.2
3413.1	2.5°	3407.8	3397.1	3386.4	3368.5	3350.6	3337.9	3325.3
3813.1	5°	3798.7	3775.0	3751.3	3707.5	3663.8	3619.7	3575.7
4197.9	7.5°	4176.9	4138.1	4099.3	4034.9	3970.4	3898.9	3827.2
4452.4	10°	4432.0	4386.4	4340.6	4265.1	4189.5	4104.8	4020.0
4535.7	12.5°	4524.6	4491.3	4458.1	4390.0	4321.7	4229.9	4138.1
4444.6	15°	4456.5	4455.3	4454.1	4411.1	4368.3	4289.2	4209.9
4218.7	17.5°	4262.7	4310.7	4358.8	4358.1	4357.3	4303.7	4250.2
3930.0	20°	4007.2	4113.3	4219.4	4275.7	4332.1	4313.4	4294.7
3655.3	22.5°	3751.9	3907.9	4063.9	4180.7	4297.5	4321.9	4346.3
3423.4	25°	3525.0	3714.5	3904.0	4081.3	4258.5	4335.7	4412.8
3237.6	27.5°	3337.5	3547.6	3757.6	3992.3	4227.1	4365.1	4503.0
3105.1	30°	3197.8	3416.6	3635.4	3924.4	4213.4	4419.0	4624.6
3067.1	32.5°	3139.9	3345.5	3551.1	3878.1	4205.1	4486.6	4768.2
3269.5	35°	3286.5	3429.3	3572.1	3912.8	4253.6	4598.0	4942.6
3865.3	37.5°	3787.7	3797.0	3806.2	4115.9	4425.6	4830.9	5236.3
4851.6	40°	4662.9	4500.4	4337.8	4568.1	4798.4	5239.2	5680.0
6180.8	42.5°	5837.6	5483.1	5128.5	5261.2	5393.8	5831.2	6268.6
7792.3	45°	7228.5	6660.4	6092.4	6151.0	6209.5	6602.5	6995.3
9580.1	47.5°	8754.6	7935.4	7116.0	7127.9	7139.7	7522.0	7904.2
11357.1	50°	10267.5	9211.4	8155.4	8153.4	8151.4	8623.4	9095.5
13075.1	52.5°	11726.9	10465.5	9204.1	9262.0	9319.8	9891.3	10463.0
14753.6	55°	13146.4	11742.6	10338.7	10564.0	10789.3	11354.1	11918.9
16379.6	57.5°	14559.2	13141.7	11724.1	12175.9	12627.9	12935.6	13243.1
18508.6	60°	16559.5	15218.0	13876.5	14437.7	14999.0	14521.1	14043.4
20433.4	62.5°	18579.0	17350.0	16121.1	16184.5	16247.7	14942.4	13637.0
20680.3	65°	18882.2	17320.3	15758.6	15516.3	15273.9	14048.8	12823.7
19351.6	67.5°	17545.8	15918.7	14291.4	14177.9	14064.2	12899.0	11733.8
17525.3	70°	15971.2	14516.2	13061.0	13010.1	12959.3	11691.8	10424.5
15286.8	72.5°	14122.9	12984.4	11845.9	11809.5	11773.0	10318.5	8864.1
12762.0	75°	11942.7	11056.9	10171.1	10036.0	9900.8	8395.6	6890.3
10048.0	77.5°	9466.9	8793.5	8120.2	7926.8	7733.4	6328.1	4923.0
7389.1	80°	7084.0	6575.6	6067.1	5826.7	5586.3	4404.2	3222.1
4853.9	82.5°	4726.6	4376.6	4026.6	3757.9	3489.4	2681.1	1873.0
2786.1	85°	2713.9	2426.4	2138.8	1910.3	1681.9	1253.0	824.1
1092.1	87.5°	1085.9	942.1	798.3	670.9	543.4	399.3	255.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)