

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: P955090

Luminaire Tested: **GALN-SB8A-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955090
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-SB8A-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22000 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

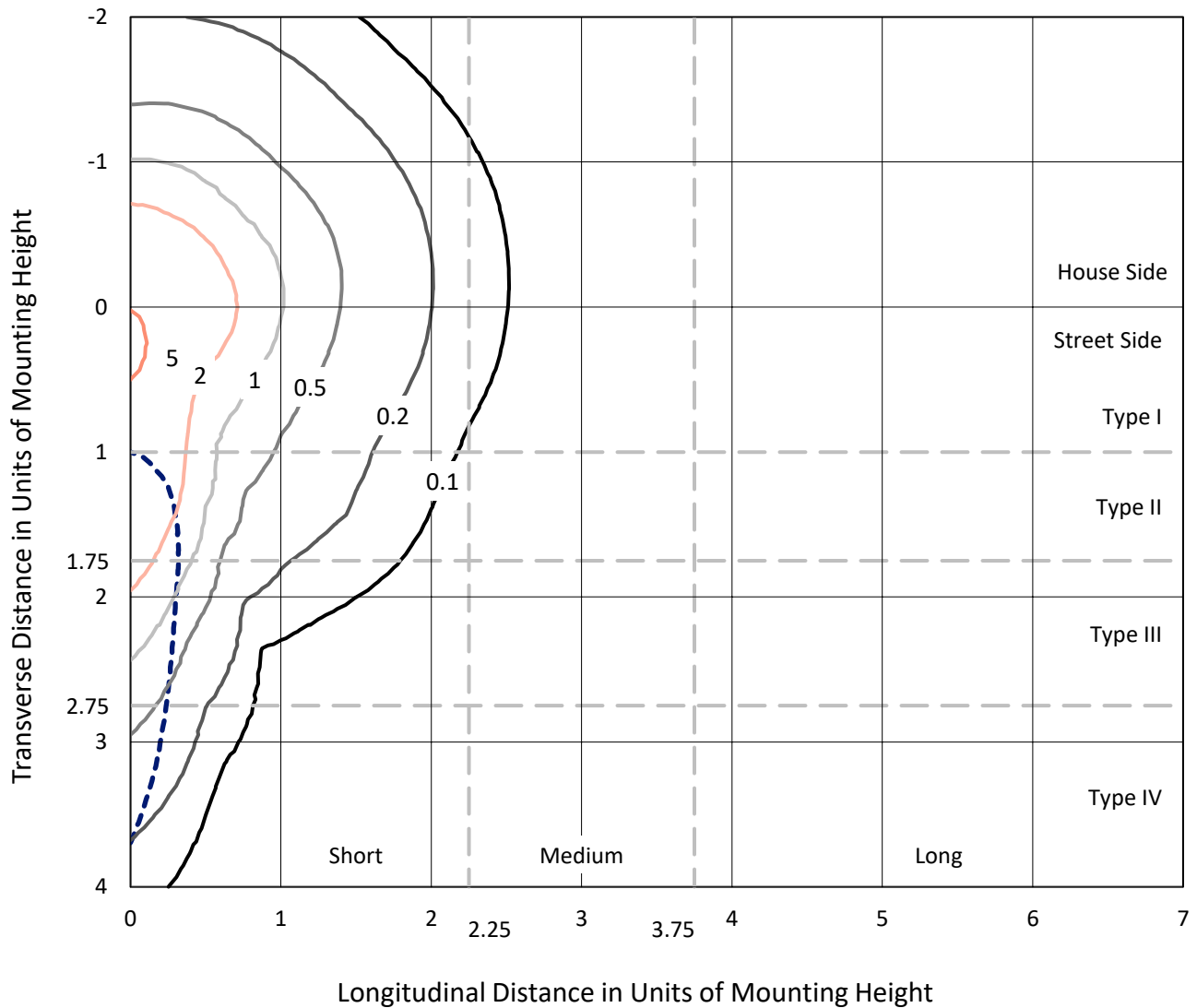
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

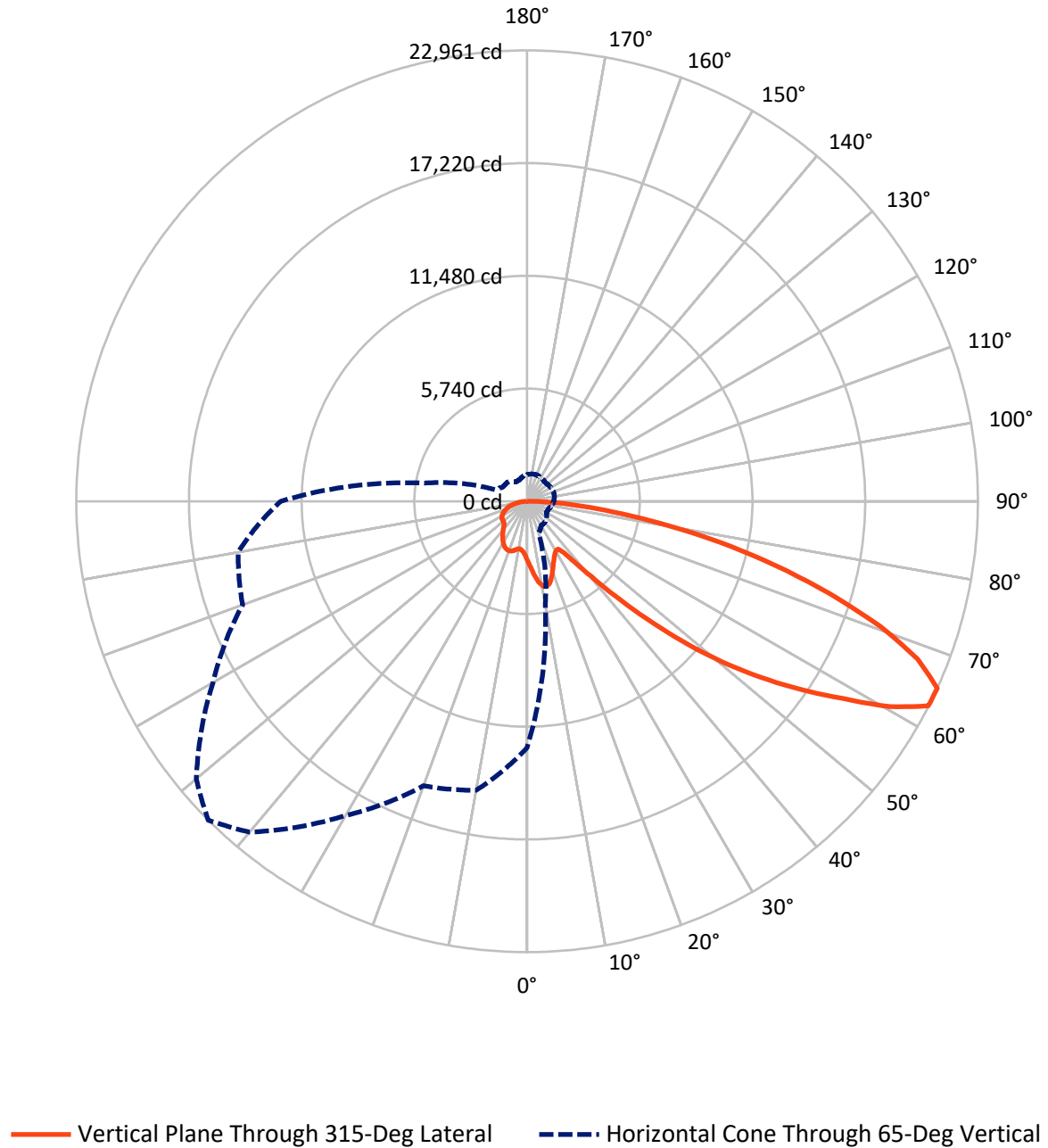
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5591.3	0.0	5591.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	16408.7	0.0	16408.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	22000.0	0.0	22000.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.1	1.4
10°-20°	942.1	4.3
20°-30°	1455.2	6.6
30°-40°	1844.1	8.4
40°-50°	2781.3	12.6
50°-60°	4493.6	20.4
60°-70°	5602.0	25.5
70°-80°	3673.5	16.7
80°-90°	908.2	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°	22000.0	100.0
0°-180°	22000.0	100.0



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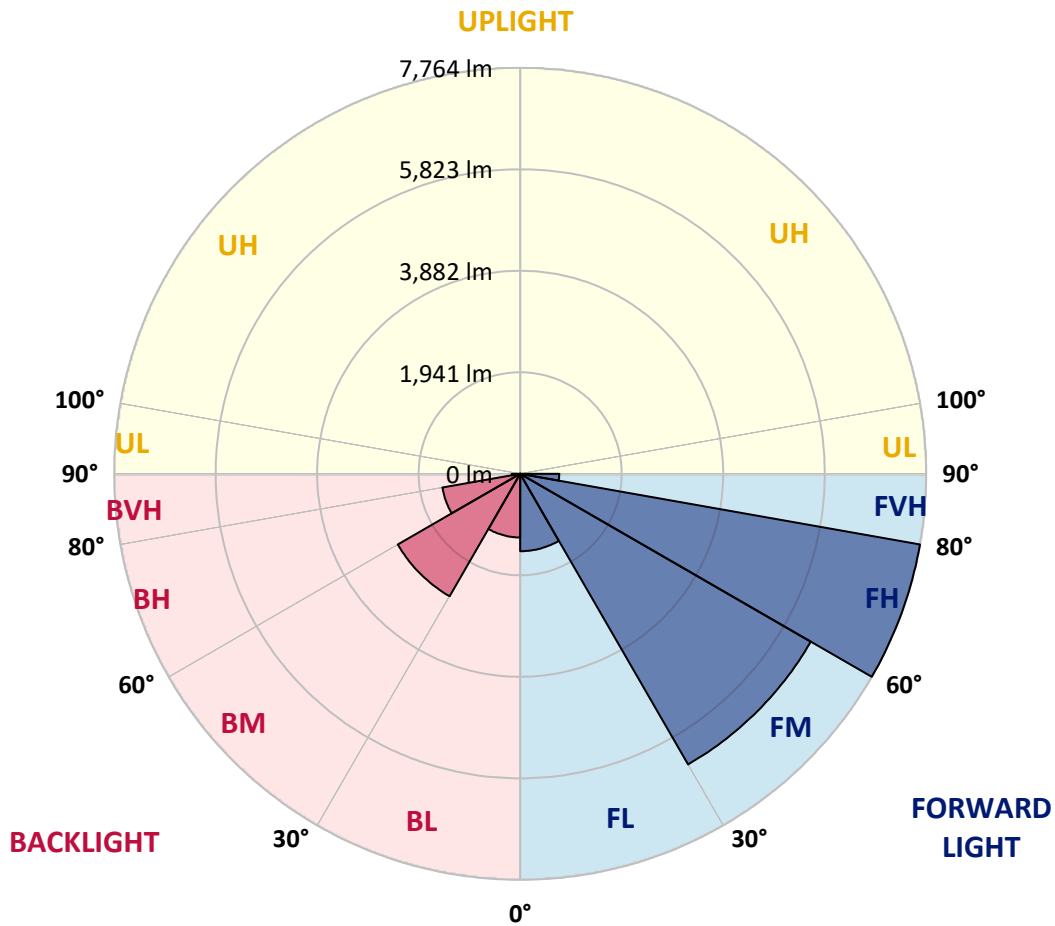
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1479.8	6.7			
FM (30°-60°)	6416.9	29.2			
FH (60°-80°)	7763.9	35.3			G4/12000
FVH (80°-90°)	748.1	3.4			G4/750
BL (0°-30°)	1217.6	5.5	B3/2500		
BM (30°-60°)	2702.1	12.3	B3/5000		
BH (60°-80°)	1511.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	160.0	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°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2.5°	3253.3	3228.3	3203.4	3176.8	3150.3	3123.6	3096.9	3071.4	3045.9	3021.1
5°	3498.2	3443.1	3388.0	3332.9	3278.0	3222.7	3167.4	3115.7	3064.1	3015.3
7.5°	3744.3	3653.3	3562.4	3478.4	3394.3	3312.5	3230.7	3158.6	3086.5	3020.0
10°	3933.0	3817.9	3702.9	3591.8	3480.8	3381.5	3282.0	3196.8	3111.3	3029.3
12.5°	4048.5	3922.1	3795.8	3669.9	3544.1	3426.8	3309.6	3213.1	3116.7	3030.4
15°	4118.7	3987.0	3855.2	3718.7	3582.2	3447.2	3312.2	3200.5	3088.8	2993.3
17.5°	4158.2	4024.6	3891.0	3742.0	3593.1	3436.4	3279.6	3145.3	3011.0	2898.7
20°	4201.7	4062.9	3923.9	3760.2	3596.6	3406.6	3216.7	3050.3	2883.8	2753.0
22.5°	4252.2	4110.4	3968.4	3784.9	3601.2	3370.2	3139.2	2938.7	2738.2	2589.3
25°	4317.2	4178.2	4039.2	3829.4	3619.5	3334.2	3049.0	2814.1	2579.4	2426.8
27.5°	4405.4	4272.9	4140.2	3899.1	3657.9	3310.2	2962.5	2700.3	2438.0	2299.1
30°	4524.4	4396.3	4268.2	3989.3	3710.3	3298.9	2887.3	2605.1	2322.9	2206.2
32.5°	4664.9	4538.0	4411.3	4083.4	3755.6	3285.0	2814.1	2523.0	2231.7	2137.7
35°	4835.5	4714.1	4592.6	4190.7	3788.8	3258.8	2728.9	2442.3	2155.7	2077.4
37.5°	5122.9	4968.0	4813.1	4310.8	3808.5	3213.8	2619.1	2347.4	2075.6	2007.1
40°	5557.0	5331.3	5105.7	4463.4	3821.0	3152.0	2483.1	2234.1	1985.1	1923.0
42.5°	6132.8	5807.1	5481.3	4662.9	3844.5	3088.1	2331.9	2109.0	1886.2	1828.9
45°	6843.8	6404.4	5965.1	4925.5	3886.0	3028.8	2171.7	1976.2	1780.8	1722.7
47.5°	7733.0	7114.7	6496.1	5205.3	3914.4	2979.8	2045.2	1871.2	1697.2	1622.3
50°	8898.5	7966.3	7033.9	5464.8	3895.8	2926.4	1957.0	1801.4	1645.9	1547.4
52.5°	10236.4	8860.8	7485.2	5633.4	3781.5	2836.2	1891.0	1755.4	1620.0	1506.8
55°	11660.8	9653.9	7647.1	5596.3	3545.3	2686.7	1828.1	1722.1	1616.1	1510.9
57.5°	12956.3	10216.0	7475.7	5334.8	3194.1	2475.9	1757.5	1682.7	1607.8	1514.9
60°	13739.3	10356.5	6973.5	4848.3	2723.1	2202.1	1681.2	1622.3	1563.4	1502.1
62.5°	13341.7	9765.0	6188.3	4190.5	2192.6	1874.5	1556.5	1517.4	1478.3	1470.8
65°	12545.9	8928.1	5310.3	3519.2	1728.3	1579.8	1431.3	1412.9	1394.4	1395.3
67.5°	11479.7	7932.2	4384.8	2861.7	1338.7	1296.6	1254.3	1264.6	1274.9	1272.3
70°	10198.7	6845.6	3492.4	2253.2	1014.0	1026.1	1038.0	1085.9	1133.6	1133.6
72.5°	8672.2	5667.5	2663.0	1722.6	782.2	818.5	855.0	922.8	990.4	1001.8
75°	6741.1	4317.1	1893.1	1250.2	607.4	640.3	673.3	749.2	825.1	877.6
77.5°	4816.4	3021.6	1226.8	847.2	467.6	490.0	512.5	586.2	659.9	746.4
80°	3152.3	1946.8	741.2	545.8	350.6	359.9	369.2	431.6	493.9	597.3
82.5°	1832.4	1126.7	421.2	335.7	250.5	252.1	254.0	300.0	345.9	434.2
85°	806.2	506.8	207.6	179.5	151.5	150.7	149.8	183.4	217.1	282.7
87.5°	249.6	166.0	82.4	74.4	66.4	65.6	64.8	78.5	92.3	119.6
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°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2993.6	2.5°	2971.3	2949.2	2929.1	2909.1	2891.6	2874.0	2856.4	2838.9	2825.3	2811.6
2967.1	5°	2925.1	2883.0	2847.7	2812.5	2781.4	2750.3	2722.1	2693.8	2672.1	2650.2
2957.6	7.5°	2901.7	2845.8	2799.4	2753.0	2713.8	2674.6	2640.0	2605.5	2579.7	2553.9
2962.3	10°	2903.3	2844.3	2797.9	2751.5	2709.3	2667.1	2628.2	2589.3	2558.4	2527.4
2968.1	12.5°	2919.8	2871.7	2840.8	2810.2	2777.0	2744.0	2703.7	2663.6	2624.1	2584.6
2943.3	15°	2920.2	2897.3	2901.4	2905.6	2897.0	2888.4	2853.5	2818.6	2762.4	2706.2
2867.9	17.5°	2876.4	2884.7	2935.3	2986.0	3012.9	3039.7	3011.5	2983.4	2909.0	2834.6
2744.8	20°	2784.3	2823.8	2911.7	2999.7	3056.0	3112.3	3099.3	3086.1	3001.0	2916.1
2605.2	22.5°	2663.6	2722.0	2822.3	2922.8	2996.1	3069.3	3077.2	3085.0	3003.7	2922.5
2469.7	25°	2537.0	2604.4	2694.6	2784.9	2857.0	2929.1	2956.0	2982.8	2916.2	2849.7
2351.3	27.5°	2416.3	2481.3	2555.5	2629.6	2687.4	2745.2	2775.1	2805.2	2757.7	2710.4
2247.2	30°	2298.7	2350.5	2412.0	2473.6	2521.5	2569.6	2593.9	2618.3	2582.2	2546.0
2155.9	32.5°	2186.5	2217.0	2266.1	2315.3	2361.3	2407.4	2434.4	2461.6	2428.4	2395.1
2069.8	35°	2078.2	2086.6	2124.1	2161.5	2207.0	2252.6	2285.1	2317.6	2294.0	2270.4
1979.5	37.5°	1970.2	1960.9	1987.8	2014.7	2060.1	2105.6	2145.7	2185.9	2175.0	2164.1
1880.6	40°	1859.6	1838.6	1857.9	1877.3	1921.2	1965.1	2011.3	2057.6	2060.3	2062.8
1775.5	42.5°	1747.7	1719.8	1735.6	1751.5	1793.1	1834.7	1884.6	1934.6	1947.9	1961.3
1671.1	45°	1643.9	1616.8	1630.1	1643.5	1683.0	1722.5	1774.3	1826.0	1845.2	1864.3
1577.8	47.5°	1555.1	1532.3	1544.9	1557.3	1595.9	1634.5	1685.6	1736.6	1758.7	1780.8
1495.8	50°	1475.6	1455.5	1475.0	1494.6	1531.1	1567.4	1613.1	1658.9	1687.2	1715.5
1434.6	52.5°	1414.6	1394.8	1424.1	1453.4	1486.8	1520.1	1562.7	1605.5	1639.0	1672.6
1402.1	55°	1370.5	1339.0	1380.7	1422.3	1458.3	1494.3	1531.6	1568.9	1604.4	1640.1
1382.6	57.5°	1336.6	1290.6	1335.4	1380.3	1422.5	1464.8	1501.7	1538.7	1574.6	1610.3
1364.2	60°	1304.7	1245.0	1284.4	1323.6	1372.1	1420.7	1458.2	1495.8	1531.7	1567.7
1342.9	62.5°	1268.4	1193.9	1218.9	1243.9	1300.4	1357.0	1397.1	1437.1	1470.1	1503.1
1297.8	65°	1218.7	1139.4	1149.0	1158.5	1219.1	1279.8	1318.2	1356.5	1385.5	1414.5
1217.5	67.5°	1151.6	1085.6	1082.6	1079.6	1135.5	1191.6	1228.0	1264.2	1289.2	1314.3
1115.6	70°	1068.7	1021.8	1011.3	1000.9	1050.1	1099.3	1130.7	1162.0	1184.7	1207.3
1002.1	72.5°	969.9	937.7	922.4	907.2	946.0	984.6	1013.0	1041.3	1063.5	1085.6
873.2	75°	848.5	823.6	809.0	794.3	823.0	851.8	877.5	903.1	923.3	943.5
744.1	77.5°	724.3	704.4	689.5	674.7	698.1	721.5	743.5	765.6	786.8	808.0
596.9	80°	580.3	563.6	551.2	538.6	558.1	577.5	596.1	614.7	630.8	646.8
439.0	82.5°	430.9	422.8	414.0	405.1	403.5	401.9	395.4	388.9	423.2	457.6
289.1	85°	280.3	271.6	261.8	251.9	243.5	235.1	217.1	199.1	231.2	263.5
127.7	87.5°	124.2	120.7	118.9	117.0	116.7	116.3	102.6	88.8	102.3	115.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2800.6	2.5°	2789.5	2780.9	2772.4	2764.5	2756.5	2746.6	2756.5	2764.5	2772.4	2780.9
2635.0	5°	2619.8	2609.0	2598.2	2590.0	2581.7	2573.6	2581.7	2590.0	2598.2	2609.0
2535.8	7.5°	2517.7	2505.2	2492.9	2485.5	2478.2	2472.6	2478.2	2485.5	2492.9	2505.2
2507.2	10°	2486.8	2475.1	2463.3	2457.1	2450.8	2448.2	2450.8	2457.1	2463.3	2475.1
2558.5	12.5°	2532.4	2519.3	2506.3	2500.9	2495.6	2494.7	2495.6	2500.9	2506.3	2519.3
2666.5	15°	2626.8	2608.6	2590.4	2583.5	2576.5	2575.9	2576.5	2583.5	2590.4	2608.6
2776.1	17.5°	2717.6	2690.6	2663.6	2654.8	2645.8	2644.4	2645.8	2654.8	2663.6	2690.6
2844.3	20°	2772.7	2738.2	2703.6	2692.6	2681.6	2678.1	2681.6	2692.6	2703.6	2738.2
2848.6	22.5°	2774.7	2738.3	2701.9	2689.7	2677.5	2672.3	2677.5	2689.7	2701.9	2738.3
2784.0	25°	2718.5	2686.9	2655.5	2644.0	2632.6	2625.9	2632.6	2644.0	2655.5	2686.9
2659.4	27.5°	2608.4	2587.3	2566.1	2560.8	2555.6	2553.9	2555.6	2560.8	2566.1	2587.3
2509.5	30°	2472.9	2462.1	2451.1	2451.1	2451.1	2452.9	2451.1	2451.1	2451.1	2462.1
2365.9	32.5°	2336.8	2329.7	2322.6	2323.6	2324.6	2326.4	2324.6	2323.6	2322.6	2329.7
2243.5	35°	2216.7	2205.9	2195.2	2192.9	2190.5	2189.4	2190.5	2192.9	2195.2	2205.9
2139.3	37.5°	2114.5	2094.9	2075.4	2065.0	2054.7	2048.9	2054.7	2065.0	2075.4	2094.9
2041.8	40°	2020.8	1992.3	1963.9	1944.7	1925.6	1914.3	1925.6	1944.7	1963.9	1992.3
1943.5	42.5°	1925.9	1890.5	1855.0	1827.1	1799.1	1780.8	1799.1	1827.1	1855.0	1890.5
1848.3	45°	1832.4	1791.9	1751.5	1718.6	1685.8	1664.7	1685.8	1718.6	1751.5	1791.9
1769.6	47.5°	1758.5	1722.5	1686.5	1656.1	1625.8	1605.5	1625.8	1656.1	1686.5	1722.5
1714.8	50°	1714.4	1685.6	1656.8	1628.7	1600.6	1581.1	1600.6	1628.7	1656.8	1685.6
1678.6	52.5°	1684.6	1661.2	1637.7	1612.5	1587.5	1569.5	1587.5	1612.5	1637.7	1661.2
1648.4	55°	1656.8	1636.3	1615.9	1593.9	1571.8	1555.5	1571.8	1593.9	1615.9	1636.3
1618.8	57.5°	1627.3	1606.6	1586.0	1564.1	1542.2	1525.4	1542.2	1564.1	1586.0	1606.6
1577.0	60°	1586.3	1566.1	1546.0	1523.5	1501.0	1483.6	1501.0	1523.5	1546.0	1566.1
1512.0	62.5°	1521.0	1502.7	1484.5	1460.8	1437.1	1416.2	1437.1	1460.8	1484.5	1502.7
1423.7	65°	1432.7	1415.2	1397.7	1374.7	1351.8	1333.8	1351.8	1374.7	1397.7	1415.2
1323.3	67.5°	1332.1	1315.9	1299.9	1278.6	1257.2	1241.0	1257.2	1278.6	1299.9	1315.9
1215.9	70°	1224.5	1211.4	1198.2	1177.8	1157.4	1138.8	1157.4	1177.8	1198.2	1211.4
1095.8	72.5°	1106.1	1095.2	1084.2	1064.7	1045.4	1027.4	1045.4	1064.7	1084.2	1095.2
954.2	75°	964.9	959.6	954.2	937.9	921.5	904.3	921.5	937.9	954.2	959.6
817.9	77.5°	827.9	820.5	812.8	796.3	779.9	766.2	779.9	796.3	812.8	820.5
660.1	80°	673.3	670.0	666.9	644.7	622.5	596.7	622.5	644.7	666.9	670.0
480.1	82.5°	502.7	501.3	499.7	481.1	462.3	445.8	462.3	481.1	499.7	501.3
291.4	85°	319.2	316.9	314.6	300.0	285.3	270.5	285.3	300.0	314.6	316.9
127.1	87.5°	138.4	135.6	132.6	125.1	117.5	110.3	117.5	125.1	132.6	135.6
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°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2789.5	2.5°	2800.6	2811.6	2825.3	2838.9	2856.4	2874.0	2891.6	2909.1	2929.1	2949.2
2619.8	5°	2635.0	2650.2	2672.1	2693.8	2722.1	2750.3	2781.4	2812.5	2847.7	2883.0
2517.7	7.5°	2535.8	2553.9	2579.7	2605.5	2640.0	2674.6	2713.8	2753.0	2799.4	2845.8
2486.8	10°	2507.2	2527.4	2558.4	2589.3	2628.2	2667.1	2709.3	2751.5	2797.9	2844.3
2532.4	12.5°	2558.5	2584.6	2624.1	2663.6	2703.7	2744.0	2777.0	2810.2	2840.8	2871.7
2626.8	15°	2666.5	2706.2	2762.4	2818.6	2853.5	2888.4	2897.0	2905.6	2901.4	2897.3
2717.6	17.5°	2776.1	2834.6	2909.0	2983.4	3011.5	3039.7	3012.9	2986.0	2935.3	2884.7
2772.7	20°	2844.3	2916.1	3001.0	3086.1	3099.3	3112.3	3056.0	2999.7	2911.7	2823.8
2774.7	22.5°	2848.6	2922.5	3003.7	3085.0	3077.2	3069.3	2996.1	2922.8	2822.3	2722.0
2718.5	25°	2784.0	2849.7	2916.2	2982.8	2956.0	2929.1	2857.0	2784.9	2694.6	2604.4
2608.4	27.5°	2659.4	2710.4	2757.7	2805.2	2775.1	2745.2	2687.4	2629.6	2555.5	2481.3
2472.9	30°	2509.5	2546.0	2582.2	2618.3	2593.9	2569.6	2521.5	2473.6	2412.0	2350.5
2336.8	32.5°	2365.9	2395.1	2428.4	2461.6	2434.4	2407.4	2361.3	2315.3	2266.1	2217.0
2216.7	35°	2243.5	2270.4	2294.0	2317.6	2285.1	2252.6	2207.0	2161.5	2124.1	2086.6
2114.5	37.5°	2139.3	2164.1	2175.0	2185.9	2145.7	2105.6	2060.1	2014.7	1987.8	1960.9
2020.8	40°	2041.8	2062.8	2060.3	2057.6	2011.3	1965.1	1921.2	1877.3	1857.9	1838.6
1925.9	42.5°	1943.5	1961.3	1947.9	1934.6	1884.6	1834.7	1793.1	1751.5	1735.6	1719.8
1832.4	45°	1848.3	1864.3	1845.2	1826.0	1774.3	1722.5	1683.0	1643.5	1630.1	1616.8
1758.5	47.5°	1769.6	1780.8	1758.7	1736.6	1685.6	1634.5	1595.9	1557.3	1544.9	1532.3
1714.4	50°	1714.8	1715.5	1687.2	1658.9	1613.1	1567.4	1531.1	1494.6	1475.0	1455.5
1684.6	52.5°	1678.6	1672.6	1639.0	1605.5	1562.7	1520.1	1486.8	1453.4	1424.1	1394.8
1656.8	55°	1648.4	1640.1	1604.4	1568.9	1531.6	1494.3	1458.3	1422.3	1380.7	1339.0
1627.3	57.5°	1618.8	1610.3	1574.6	1538.7	1501.7	1464.8	1422.5	1380.3	1335.4	1290.6
1586.3	60°	1577.0	1567.7	1531.7	1495.8	1458.2	1420.7	1372.1	1323.6	1284.4	1245.0
1521.0	62.5°	1512.0	1503.1	1470.1	1437.1	1397.1	1357.0	1300.4	1243.9	1218.9	1193.9
1432.7	65°	1423.7	1414.5	1385.5	1356.5	1318.2	1279.8	1219.1	1158.5	1149.0	1139.4
1332.1	67.5°	1323.3	1314.3	1289.2	1264.2	1228.0	1191.6	1135.5	1079.6	1082.6	1085.6
1224.5	70°	1215.9	1207.3	1184.7	1162.0	1130.7	1099.3	1050.1	1000.9	1011.3	1021.8
1106.1	72.5°	1095.8	1085.6	1063.5	1041.3	1013.0	984.6	946.0	907.2	922.4	937.7
964.9	75°	954.2	943.5	923.3	903.1	877.5	851.8	823.0	794.3	809.0	823.6
827.9	77.5°	817.9	808.0	786.8	765.6	743.5	721.5	698.1	674.7	689.5	704.4
673.3	80°	660.1	646.8	630.8	614.7	596.1	577.5	558.1	538.6	551.2	563.6
502.7	82.5°	480.1	457.6	423.2	388.9	395.4	401.9	403.5	405.1	414.0	422.8
319.2	85°	291.4	263.5	231.2	199.1	217.1	235.1	243.5	251.9	261.8	271.6
138.4	87.5°	127.1	115.9	102.3	88.8	102.6	116.3	116.7	117.0	118.9	120.7
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°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
2971.3	2.5°	2993.6	3021.1	3045.9	3071.4	3096.9	3123.6	3150.3	3176.8	3203.4	3228.3
2925.1	5°	2967.1	3015.3	3064.1	3115.7	3167.4	3222.7	3278.0	3332.9	3388.0	3443.1
2901.7	7.5°	2957.6	3020.0	3086.5	3158.6	3230.7	3312.5	3394.3	3478.4	3562.4	3653.3
2903.3	10°	2962.3	3029.3	3111.3	3196.8	3282.0	3381.5	3480.8	3591.8	3702.9	3817.9
2919.8	12.5°	2968.1	3030.4	3116.7	3213.1	3309.6	3426.8	3544.1	3669.9	3795.8	3922.1
2920.2	15°	2943.3	2993.3	3088.8	3200.5	3312.2	3447.2	3582.2	3718.7	3855.2	3987.0
2876.4	17.5°	2867.9	2898.7	3011.0	3145.3	3279.6	3436.4	3593.1	3742.0	3891.0	4024.6
2784.3	20°	2744.8	2753.0	2883.8	3050.3	3216.7	3406.6	3596.6	3760.2	3923.9	4062.9
2663.6	22.5°	2605.2	2589.3	2738.2	2938.7	3139.2	3370.2	3601.2	3784.9	3968.4	4110.4
2537.0	25°	2469.7	2426.8	2579.4	2814.1	3049.0	3334.2	3619.5	3829.4	4039.2	4178.2
2416.3	27.5°	2351.3	2299.1	2438.0	2700.3	2962.5	3310.2	3657.9	3899.1	4140.2	4272.9
2298.7	30°	2247.2	2206.2	2322.9	2605.1	2887.3	3298.9	3710.3	3989.3	4268.2	4396.3
2186.5	32.5°	2155.9	2137.7	2231.7	2523.0	2814.1	3285.0	3755.6	4083.4	4411.3	4538.0
2078.2	35°	2069.8	2077.4	2155.7	2442.3	2728.9	3258.8	3788.8	4190.7	4592.6	4714.1
1970.2	37.5°	1979.5	2007.1	2075.6	2347.4	2619.1	3213.8	3808.5	4310.8	4813.1	4968.0
1859.6	40°	1880.6	1923.0	1985.1	2234.1	2483.1	3152.0	3821.0	4463.4	5105.7	5331.3
1747.7	42.5°	1775.5	1828.9	1886.2	2109.0	2331.9	3088.1	3844.5	4662.9	5481.3	5807.1
1643.9	45°	1671.1	1722.7	1780.8	1976.2	2171.7	3028.8	3886.0	4925.5	5965.1	6404.4
1555.1	47.5°	1577.8	1622.3	1697.2	1871.2	2045.2	2979.8	3914.4	5205.3	6496.1	7114.7
1475.6	50°	1495.8	1547.4	1645.9	1801.4	1957.0	2926.4	3895.8	5464.8	7033.9	7966.3
1414.6	52.5°	1434.6	1506.8	1620.0	1755.4	1891.0	2836.2	3781.5	5633.4	7485.2	8860.8
1370.5	55°	1402.1	1510.9	1616.1	1722.1	1828.1	2686.7	3545.3	5596.3	7647.1	9653.9
1336.6	57.5°	1382.6	1514.9	1607.8	1682.7	1757.5	2475.9	3194.1	5334.8	7475.7	10216.0
1304.7	60°	1364.2	1502.1	1563.4	1622.3	1681.2	2202.1	2723.1	4848.3	6973.5	10356.5
1268.4	62.5°	1342.9	1470.8	1478.3	1517.4	1556.5	1874.5	2192.6	4190.5	6188.3	9765.0
1218.7	65°	1297.8	1395.3	1394.4	1412.9	1431.3	1579.8	1728.3	3519.2	5310.3	8928.1
1151.6	67.5°	1217.5	1272.3	1274.9	1264.6	1254.3	1296.6	1338.7	2861.7	4384.8	7932.2
1068.7	70°	1115.6	1133.6	1133.6	1085.9	1038.0	1026.1	1014.0	2253.2	3492.4	6845.6
969.9	72.5°	1002.1	1001.8	990.4	922.8	855.0	818.5	782.2	1722.6	2663.0	5667.5
848.5	75°	873.2	877.6	825.1	749.2	673.3	640.3	607.4	1250.2	1893.1	4317.1
724.3	77.5°	744.1	746.4	659.9	586.2	512.5	490.0	467.6	847.2	1226.8	3021.6
580.3	80°	596.9	597.3	493.9	431.6	369.2	359.9	350.6	545.8	741.2	1946.8
430.9	82.5°	439.0	434.2	345.9	300.0	254.0	252.1	250.5	335.7	421.2	1126.7
280.3	85°	289.1	282.7	217.1	183.4	149.8	150.7	151.5	179.5	207.6	506.8
124.2	87.5°	127.7	119.6	92.3	78.5	64.8	65.6	66.4	74.4	82.4	166.0
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°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
3253.3	2.5°	3265.6	3278.0	3295.6	3313.1	3323.5	3334.0	3339.2	3344.4	3342.1	3344.4
3498.2	5°	3541.3	3584.5	3627.2	3670.0	3693.3	3716.5	3730.5	3744.7	3755.4	3744.7
3744.3	7.5°	3814.5	3884.5	3947.5	4010.5	4048.5	4086.4	4107.0	4127.4	4137.3	4127.4
3933.0	10°	4015.9	4098.7	4172.7	4246.6	4291.5	4336.0	4356.0	4375.8	4383.4	4375.8
4048.5	12.5°	4138.3	4228.1	4294.9	4361.6	4394.1	4426.6	4437.5	4448.4	4449.6	4448.4
4118.7	15°	4196.3	4273.7	4315.6	4357.6	4358.8	4359.9	4348.3	4336.7	4323.0	4336.7
4158.2	17.5°	4210.5	4262.9	4263.7	4264.4	4217.4	4170.4	4127.3	4084.1	4053.7	4084.1
4201.7	20°	4219.9	4238.3	4183.1	4128.0	4024.2	3920.4	3844.9	3769.3	3722.9	3769.3
4252.2	22.5°	4228.3	4204.4	4090.2	3975.9	3823.3	3670.6	3576.1	3481.6	3430.3	3481.6
4317.2	25°	4241.8	4166.3	3992.9	3819.4	3634.1	3448.7	3349.3	3250.2	3201.6	3250.2
4405.4	27.5°	4270.6	4135.5	3905.8	3676.2	3470.7	3265.3	3167.5	3069.9	3024.0	3069.9
4524.4	30°	4323.3	4122.2	3839.4	3556.6	3342.6	3128.5	3037.8	2947.2	2904.5	2947.2
4664.9	32.5°	4389.4	4114.1	3794.1	3474.2	3273.0	3071.9	3000.7	2929.4	2898.7	2929.4
4835.5	35°	4498.4	4161.4	3828.0	3494.8	3355.0	3215.3	3198.7	3182.1	3179.6	3182.1
5122.9	37.5°	4726.3	4329.8	4026.8	3723.8	3714.7	3705.7	3781.6	3857.5	3897.0	3857.5
5557.0	40°	5125.8	4694.5	4469.2	4243.9	4402.9	4561.9	4746.5	4931.1	5023.0	4931.1
6132.8	42.5°	5704.9	5277.0	5147.2	5017.4	5364.3	5711.2	6046.9	6382.6	6579.7	6382.6
6843.8	45°	6459.5	6075.0	6017.8	5960.4	6516.1	7071.9	7623.6	8175.3	8510.2	8175.3
7733.0	47.5°	7359.1	6985.1	6973.5	6961.9	7763.6	8565.0	9372.6	10180.1	10654.3	10180.1
8898.5	50°	8436.6	7974.8	7976.8	7978.8	9012.0	10045.1	11111.1	12177.1	12821.6	12177.1
10236.4	52.5°	9677.1	9117.9	9061.4	9004.8	10238.9	11473.0	12791.9	14110.8	14883.3	14110.8
11660.8	55°	11108.2	10555.7	10335.2	10114.8	11488.3	12861.7	14434.1	16006.5	16925.3	16006.5
12956.3	57.5°	12655.4	12354.4	11912.2	11470.2	12857.1	14243.9	16024.9	17805.8	18945.2	17805.8
13739.3	60°	14206.7	14674.1	14125.1	13576.0	14888.4	16200.9	18107.7	20014.5	21246.0	20014.5
13341.7	62.5°	14618.8	15895.8	15834.0	15772.0	16974.3	18176.7	19990.9	21804.9	22943.1	21804.9
12545.9	65°	13744.5	14943.1	15180.3	15417.3	16945.2	18473.3	20232.4	21991.5	22960.6	21991.5
11479.7	67.5°	12619.7	13759.6	13870.8	13981.9	15573.9	17165.8	18932.5	20699.2	21458.4	20699.2
10198.7	70°	11438.6	12678.6	12728.3	12778.1	14201.8	15625.3	17145.7	18666.0	19087.9	18666.0
8672.2	72.5°	10095.0	11518.0	11553.8	11589.4	12703.2	13817.1	14955.8	16094.3	16137.1	16094.3
6741.1	75°	8213.7	9686.4	9818.6	9950.9	10817.4	11684.0	12485.6	13287.2	13072.4	13287.2
4816.4	77.5°	6191.1	7565.9	7755.1	7944.3	8603.1	9261.9	9830.4	10398.9	10029.8	10398.9
3152.3	80°	4308.9	5465.3	5700.5	5935.7	6433.2	6930.5	7229.1	7527.6	6933.8	7527.6
1832.4	82.5°	2623.1	3413.8	3676.5	3939.4	4281.8	4624.3	4748.8	4873.3	4406.6	4873.3
806.2	85°	1225.9	1645.5	1869.0	2092.4	2373.8	2655.1	2725.8	2796.5	2422.7	2796.5
249.6	87.5°	390.6	531.7	656.3	781.0	921.7	1062.4	1068.5	1074.4	902.0	1074.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
3025.2	0°	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2	3025.2
3339.2	2.5°	3334.0	3323.5	3313.1	3295.6	3278.0	3265.6	3253.3
3730.5	5°	3716.5	3693.3	3670.0	3627.2	3584.5	3541.3	3498.2
4107.0	7.5°	4086.4	4048.5	4010.5	3947.5	3884.5	3814.5	3744.3
4356.0	10°	4336.0	4291.5	4246.6	4172.7	4098.7	4015.9	3933.0
4437.5	12.5°	4426.6	4394.1	4361.6	4294.9	4228.1	4138.3	4048.5
4348.3	15°	4359.9	4358.8	4357.6	4315.6	4273.7	4196.3	4118.7
4127.3	17.5°	4170.4	4217.4	4264.4	4263.7	4262.9	4210.5	4158.2
3844.9	20°	3920.4	4024.2	4128.0	4183.1	4238.3	4219.9	4201.7
3576.1	22.5°	3670.6	3823.3	3975.9	4090.2	4204.4	4228.3	4252.2
3349.3	25°	3448.7	3634.1	3819.4	3992.9	4166.3	4241.8	4317.2
3167.5	27.5°	3265.3	3470.7	3676.2	3905.8	4135.5	4270.6	4405.4
3037.8	30°	3128.5	3342.6	3556.6	3839.4	4122.2	4323.3	4524.4
3000.7	32.5°	3071.9	3273.0	3474.2	3794.1	4114.1	4389.4	4664.9
3198.7	35°	3215.3	3355.0	3494.8	3828.0	4161.4	4498.4	4835.5
3781.6	37.5°	3705.7	3714.7	3723.8	4026.8	4329.8	4726.3	5122.9
4746.5	40°	4561.9	4402.9	4243.9	4469.2	4694.5	5125.8	5557.0
6046.9	42.5°	5711.2	5364.3	5017.4	5147.2	5277.0	5704.9	6132.8
7623.6	45°	7071.9	6516.1	5960.4	6017.8	6075.0	6459.5	6843.8
9372.6	47.5°	8565.0	7763.6	6961.9	6973.5	6985.1	7359.1	7733.0
11111.1	50°	10045.1	9012.0	7978.8	7976.8	7974.8	8436.6	8898.5
12791.9	52.5°	11473.0	10238.9	9004.8	9061.4	9117.9	9677.1	10236.4
14434.1	55°	12861.7	11488.3	10114.8	10335.2	10555.7	11108.2	11660.8
16024.9	57.5°	14243.9	12857.1	11470.2	11912.2	12354.4	12655.4	12956.3
18107.7	60°	16200.9	14888.4	13576.0	14125.1	14674.1	14206.7	13739.3
19990.9	62.5°	18176.7	16974.3	15772.0	15834.0	15895.8	14618.8	13341.7
20232.4	65°	18473.3	16945.2	15417.3	15180.3	14943.1	13744.5	12545.9
18932.5	67.5°	17165.8	15573.9	13981.9	13870.8	13759.6	12619.7	11479.7
17145.7	70°	15625.3	14201.8	12778.1	12728.3	12678.6	11438.6	10198.7
14955.8	72.5°	13817.1	12703.2	11589.4	11553.8	11518.0	10095.0	8672.2
12485.6	75°	11684.0	10817.4	9950.9	9818.6	9686.4	8213.7	6741.1
9830.4	77.5°	9261.9	8603.1	7944.3	7755.1	7565.9	6191.1	4816.4
7229.1	80°	6930.5	6433.2	5935.7	5700.5	5465.3	4308.9	3152.3
4748.8	82.5°	4624.3	4281.8	3939.4	3676.5	3413.8	2623.1	1832.4
2725.8	85°	2655.1	2373.8	2092.4	1869.0	1645.5	1225.9	806.2
1068.5	87.5°	1062.4	921.7	781.0	656.3	531.7	390.6	249.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)