

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: P950743

Luminaire Tested: **GALN-SB5A-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950743
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-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20942 lumens
Efficiency: N/A
Efficacy: 147.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

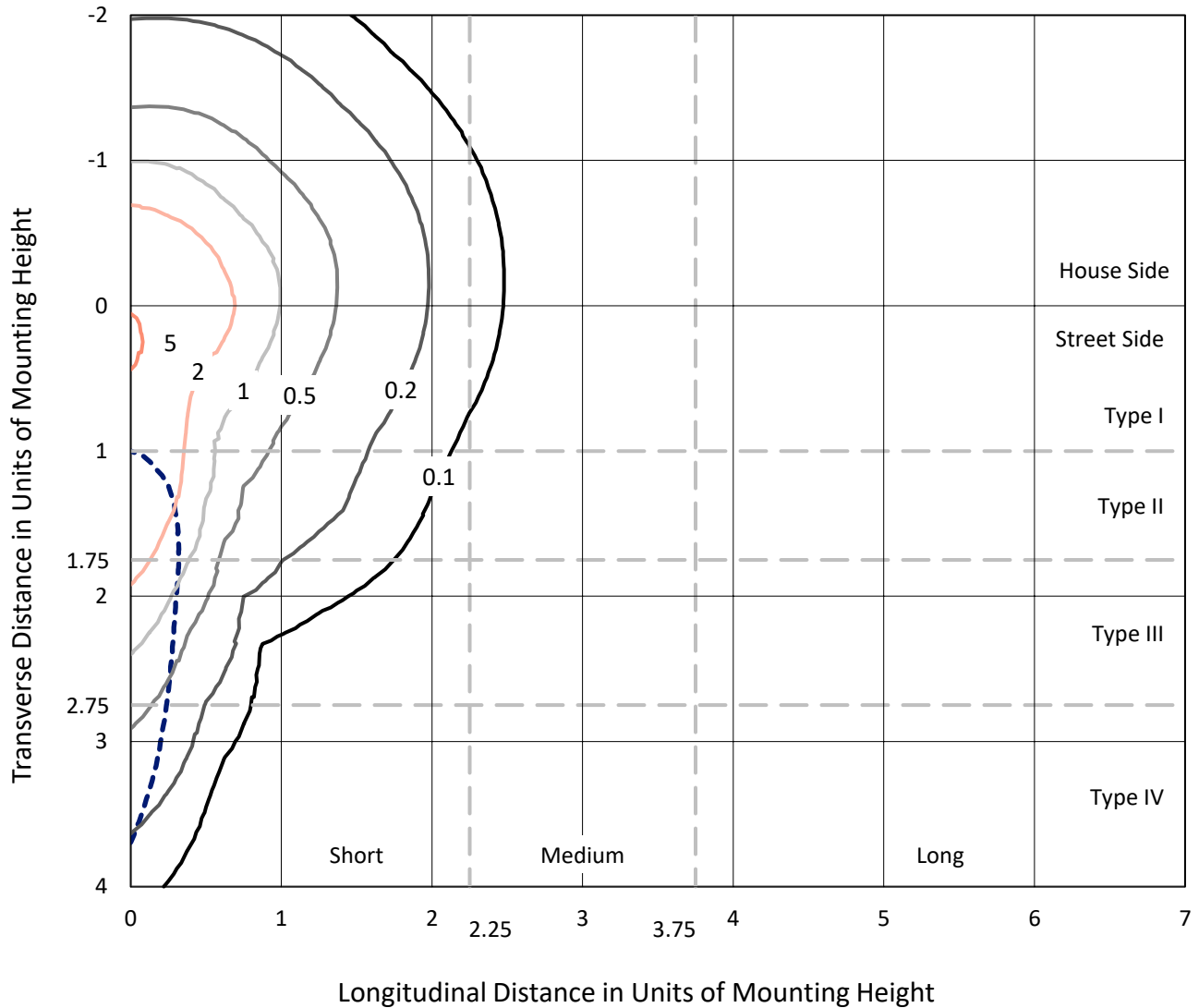
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

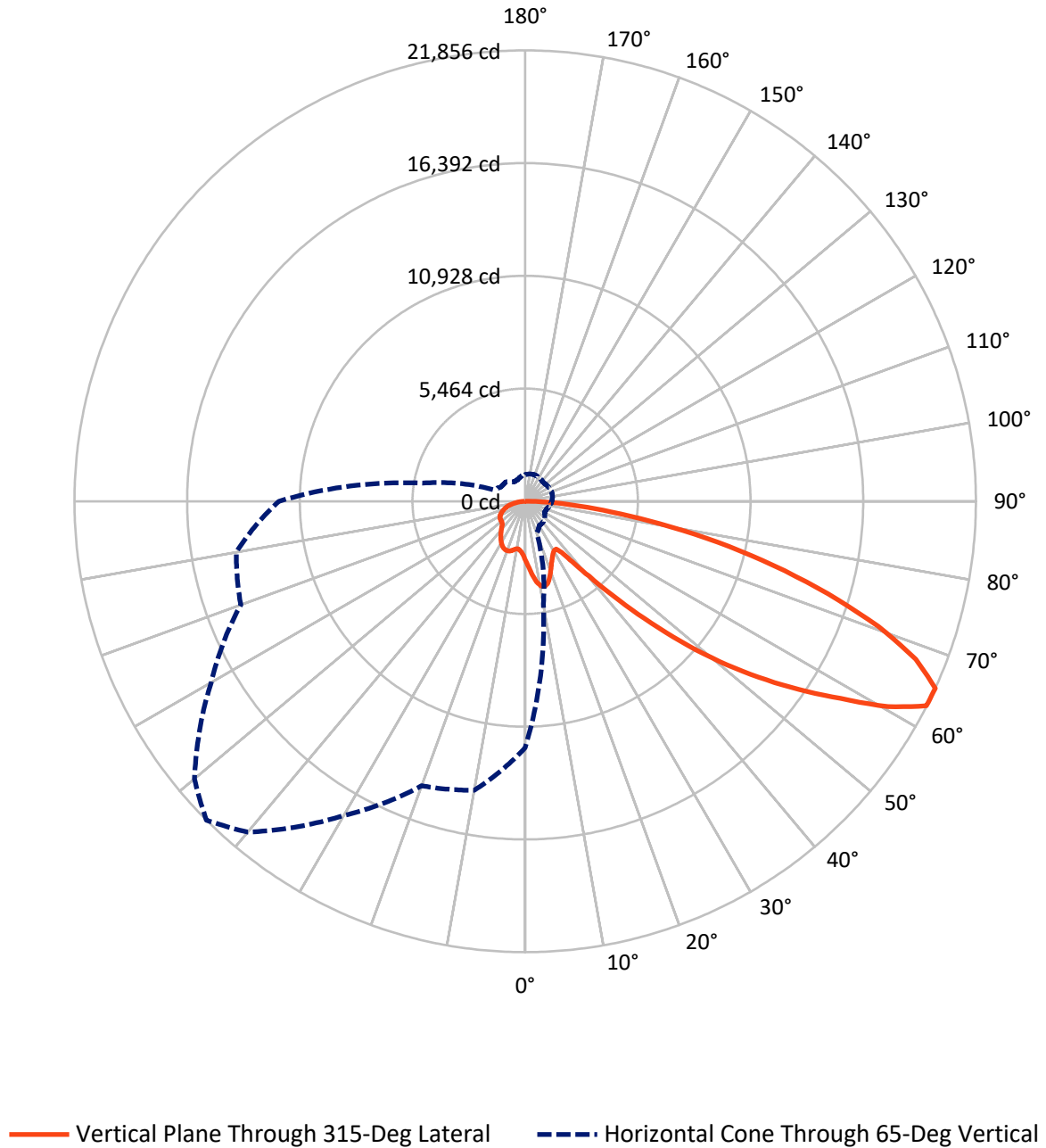
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	5322.4	0.0	5322.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15619.6	0.0	15619.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	20942.0	0.0	20942.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.7	1.4
10°-20°	896.8	4.3
20°-30°	1385.2	6.6
30°-40°	1755.4	8.4
40°-50°	2647.5	12.6
50°-60°	4277.5	20.4
60°-70°	5332.6	25.5
70°-80°	3496.9	16.7
80°-90°	864.5	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°	20942.0	100.0
0°-180°	20942.0	100.0

Coefficient of Utilization



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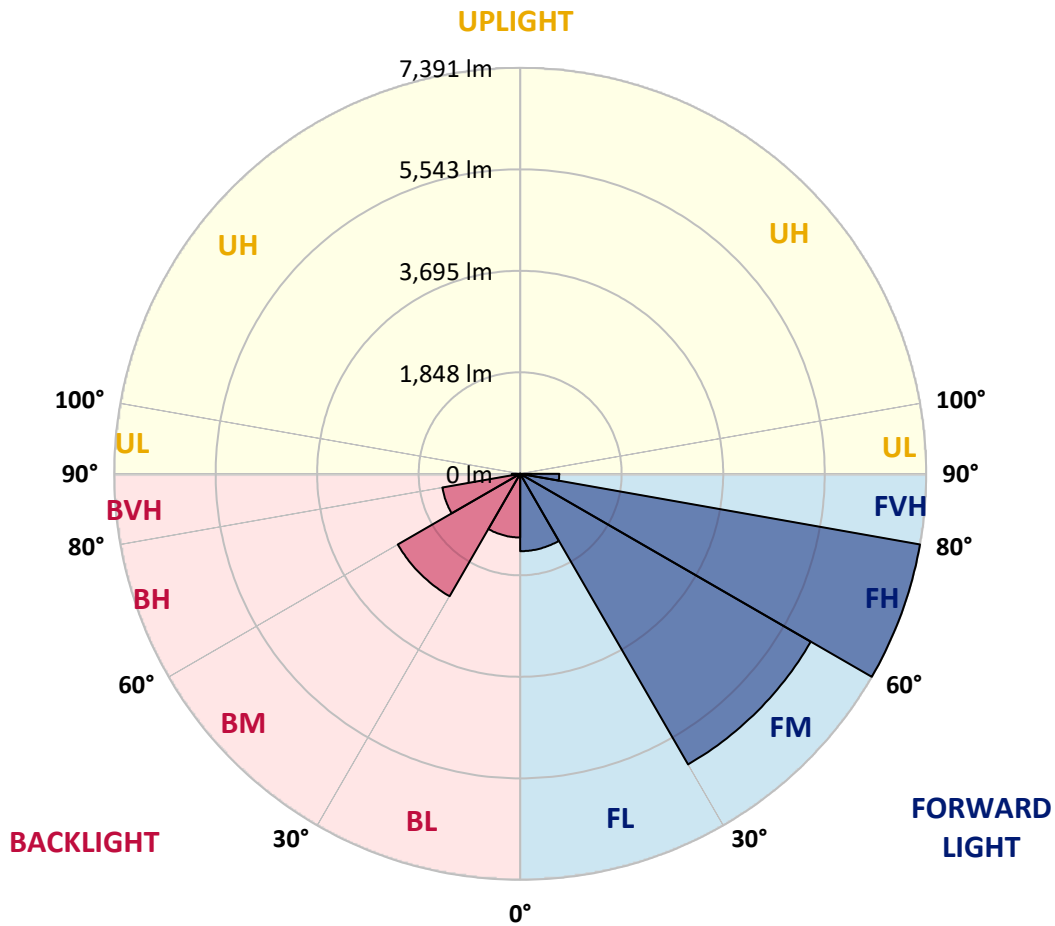
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.6	6.7			
FM (30°-60°)	6108.3	29.2			
FH (60°-80°)	7390.5	35.3			G3/7500
FVH (80°-90°)	712.2	3.4			G4/750
BL (0°-30°)	1159.0	5.5	B3/2500		
BM (30°-60°)	2572.1	12.3	B3/5000		
BH (60°-80°)	1438.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	152.3	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°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2.5°	3096.8	3073.1	3049.3	3024.0	2998.8	2973.4	2948.0	2923.7	2899.4	2875.8
5°	3330.0	3277.5	3225.0	3172.6	3120.4	3067.7	3015.1	2965.9	2916.7	2870.3
7.5°	3564.3	3477.6	3391.1	3311.1	3231.1	3153.2	3075.3	3006.7	2938.1	2874.7
10°	3743.8	3634.3	3524.8	3419.1	3313.4	3218.8	3124.1	3043.0	2961.7	2883.6
12.5°	3853.8	3733.5	3613.2	3493.4	3373.7	3262.0	3150.4	3058.6	2966.8	2884.7
15°	3920.6	3795.2	3669.8	3539.8	3409.9	3281.4	3152.9	3046.6	2940.3	2849.3
17.5°	3958.2	3831.0	3703.8	3562.1	3420.3	3271.1	3121.9	2994.1	2866.2	2759.3
20°	3999.7	3867.5	3735.2	3579.4	3423.6	3242.8	3062.0	2903.6	2745.1	2620.6
22.5°	4047.7	3912.7	3777.5	3602.8	3428.0	3208.1	2988.2	2797.4	2606.5	2464.8
25°	4109.6	3977.2	3844.9	3645.3	3445.5	3173.9	2902.4	2678.8	2455.4	2310.1
27.5°	4193.6	4067.4	3941.1	3711.6	3481.9	3151.0	2820.0	2570.4	2320.8	2188.5
30°	4306.9	4184.9	4063.0	3797.4	3531.9	3140.3	2748.4	2479.8	2211.2	2100.1
32.5°	4440.6	4319.8	4199.1	3887.0	3575.0	3127.0	2678.8	2401.7	2124.4	2034.9
35°	4603.0	4487.4	4371.7	3989.2	3606.6	3102.0	2597.7	2324.9	2052.0	1977.4
37.5°	4876.5	4729.1	4581.7	4103.5	3625.4	3059.3	2493.2	2234.5	1975.8	1910.6
40°	5289.8	5075.0	4860.1	4248.7	3637.2	3000.4	2363.7	2126.6	1889.6	1830.5
42.5°	5837.9	5527.8	5217.7	4438.7	3659.6	2939.6	2219.8	2007.6	1795.5	1741.0
45°	6514.7	6096.4	5678.2	4688.6	3699.1	2883.1	2067.3	1881.2	1695.1	1639.9
47.5°	7361.2	6772.5	6183.7	4954.9	3726.2	2836.5	1946.8	1781.2	1615.6	1544.3
50°	8470.6	7583.2	6695.6	5202.0	3708.5	2785.7	1862.9	1714.8	1566.7	1473.0
52.5°	9744.1	8434.7	7125.2	5362.5	3599.6	2699.8	1800.1	1671.0	1542.1	1434.3
55°	11100.0	9189.6	7279.4	5327.1	3374.8	2557.5	1740.2	1639.3	1538.4	1438.2
57.5°	12333.2	9724.7	7116.2	5078.3	3040.5	2356.8	1673.0	1601.7	1530.5	1442.1
60°	13078.6	9858.4	6638.1	4615.2	2592.2	2096.2	1600.3	1544.3	1488.3	1429.9
62.5°	12700.1	9295.4	5890.7	3988.9	2087.2	1784.4	1481.6	1444.4	1407.3	1400.1
65°	11942.6	8498.8	5055.0	3350.0	1645.2	1503.8	1362.5	1344.9	1327.4	1328.2
67.5°	10927.6	7550.8	4173.9	2724.1	1274.3	1234.2	1194.0	1203.8	1213.5	1211.1
70°	9708.2	6516.4	3324.5	2144.9	965.2	976.7	988.1	1033.6	1079.1	1079.1
72.5°	8255.1	5395.0	2534.9	1639.8	744.6	779.2	813.9	878.4	942.8	953.6
75°	6416.9	4109.5	1802.1	1190.1	578.2	609.5	640.9	713.2	785.5	835.4
77.5°	4584.8	2876.3	1167.8	806.5	445.1	466.4	487.9	558.0	628.2	710.5
80°	3000.7	1853.1	705.6	519.6	333.7	342.6	351.4	410.8	470.2	568.5
82.5°	1744.3	1072.5	400.9	319.6	238.5	240.0	241.8	285.5	329.3	413.3
85°	767.4	482.5	197.6	170.8	144.2	143.4	142.5	174.6	206.6	269.1
87.5°	237.6	158.0	78.5	70.8	63.2	62.4	61.7	74.7	87.8	113.8
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°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2849.6	2.5°	2828.4	2807.3	2788.2	2769.2	2752.5	2735.8	2719.0	2702.3	2689.4	2676.4
2824.5	5°	2784.5	2744.3	2710.7	2677.3	2647.6	2618.0	2591.2	2564.2	2543.6	2522.8
2815.4	7.5°	2762.1	2709.0	2664.8	2620.6	2583.3	2546.0	2513.1	2480.2	2455.6	2431.1
2819.8	10°	2763.7	2707.5	2663.3	2619.1	2579.0	2538.8	2501.8	2464.8	2435.4	2405.9
2825.3	12.5°	2779.4	2733.6	2704.2	2675.1	2643.5	2612.1	2573.7	2535.5	2497.9	2460.3
2801.8	15°	2779.8	2757.9	2761.9	2765.9	2757.7	2749.5	2716.3	2683.0	2629.5	2576.0
2730.0	17.5°	2738.0	2746.0	2794.2	2842.4	2868.0	2893.5	2866.7	2839.9	2769.1	2698.3
2612.8	20°	2650.4	2688.0	2771.6	2855.4	2909.0	2962.6	2950.2	2937.7	2856.7	2775.8
2479.9	22.5°	2535.5	2591.1	2686.5	2782.2	2852.0	2921.7	2929.2	2936.6	2859.3	2781.9
2350.9	25°	2415.0	2479.1	2565.0	2651.0	2719.6	2788.2	2813.8	2839.4	2775.9	2712.6
2238.2	27.5°	2300.1	2362.0	2432.6	2503.1	2558.1	2613.2	2641.7	2670.3	2625.1	2580.0
2139.1	30°	2188.2	2237.5	2296.0	2354.6	2400.2	2446.0	2469.2	2492.4	2458.0	2423.5
2052.3	32.5°	2081.3	2110.4	2157.1	2204.0	2247.7	2291.6	2317.4	2343.2	2311.6	2279.9
1970.3	35°	1978.2	1986.3	2022.0	2057.6	2100.9	2144.3	2175.2	2206.2	2183.6	2161.2
1884.3	37.5°	1875.5	1866.6	1892.3	1917.8	1961.0	2004.3	2042.5	2080.8	2070.4	2060.0
1790.1	40°	1770.1	1750.1	1768.6	1787.1	1828.8	1870.6	1914.6	1958.7	1961.2	1963.6
1690.1	42.5°	1663.6	1637.1	1652.1	1667.3	1706.8	1746.5	1794.0	1841.5	1854.2	1866.9
1590.7	45°	1564.8	1539.1	1551.7	1564.5	1602.1	1639.6	1688.9	1738.2	1756.4	1774.7
1502.0	47.5°	1480.3	1458.6	1470.6	1482.4	1519.2	1555.9	1604.5	1653.1	1674.1	1695.1
1423.8	50°	1404.6	1385.5	1404.0	1422.7	1457.4	1492.0	1535.5	1579.1	1606.0	1633.0
1365.6	52.5°	1346.6	1327.7	1355.6	1383.5	1415.3	1447.0	1487.6	1528.3	1560.2	1592.1
1334.7	55°	1304.6	1274.7	1314.3	1353.9	1388.1	1422.4	1458.0	1493.4	1527.3	1561.2
1316.1	57.5°	1272.3	1228.6	1271.2	1313.9	1354.1	1394.3	1429.5	1464.7	1498.9	1532.9
1298.6	60°	1241.9	1185.1	1222.6	1260.0	1306.1	1352.3	1388.0	1423.8	1458.1	1492.3
1278.3	62.5°	1207.4	1136.5	1160.3	1184.0	1237.9	1291.8	1329.9	1368.0	1399.4	1430.8
1235.4	65°	1160.1	1084.6	1093.8	1102.8	1160.5	1218.3	1254.8	1291.2	1318.9	1346.5
1159.0	67.5°	1096.2	1033.4	1030.5	1027.7	1080.9	1134.3	1168.9	1203.4	1227.2	1251.1
1061.9	70°	1017.3	972.6	962.7	952.8	999.6	1046.5	1076.3	1106.1	1127.7	1149.2
953.9	72.5°	923.3	892.6	878.1	863.6	900.5	937.3	964.2	991.2	1012.3	1033.4
831.2	75°	807.7	784.0	770.1	756.1	783.5	810.9	835.3	859.7	878.9	898.2
708.3	77.5°	689.4	670.5	656.4	642.2	664.6	686.8	707.8	728.8	749.0	769.1
568.2	80°	552.4	536.5	524.7	512.7	531.3	549.8	567.4	585.1	600.5	615.7
417.9	82.5°	410.2	402.5	394.1	385.7	384.1	382.6	376.4	370.2	402.9	435.6
275.2	85°	266.9	258.6	249.2	239.8	231.8	223.8	206.6	189.5	220.1	250.8
121.6	87.5°	118.2	114.9	113.2	111.4	111.1	110.7	97.7	84.5	97.4	110.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2665.9	2.5°	2655.4	2647.2	2639.0	2631.5	2623.9	2614.5	2623.9	2631.5	2639.0	2647.2
2508.3	5°	2493.8	2483.6	2473.3	2465.4	2457.6	2449.8	2457.6	2465.4	2473.3	2483.6
2413.8	7.5°	2396.6	2384.8	2373.0	2366.0	2359.0	2353.7	2359.0	2366.0	2373.0	2384.8
2386.6	10°	2367.2	2356.0	2344.9	2338.9	2332.9	2330.5	2332.9	2338.9	2344.9	2356.0
2435.5	12.5°	2410.6	2398.1	2385.8	2380.7	2375.6	2374.7	2375.6	2380.7	2385.8	2398.1
2538.3	15°	2500.5	2483.1	2465.9	2459.2	2452.6	2452.1	2452.6	2459.2	2465.9	2483.1
2642.6	17.5°	2586.9	2561.2	2535.5	2527.1	2518.6	2517.3	2518.6	2527.1	2535.5	2561.2
2707.5	20°	2639.4	2606.5	2573.6	2563.1	2552.6	2549.3	2552.6	2563.1	2573.6	2606.5
2711.6	22.5°	2641.2	2606.7	2572.0	2560.4	2548.7	2543.8	2548.7	2560.4	2572.0	2606.7
2650.1	25°	2587.8	2557.7	2527.8	2516.8	2506.0	2499.6	2506.0	2516.8	2527.8	2557.7
2531.5	27.5°	2483.0	2462.9	2442.7	2437.7	2432.7	2431.1	2432.7	2437.7	2442.7	2462.9
2388.9	30°	2353.9	2343.7	2333.3	2333.3	2333.3	2334.9	2333.3	2333.3	2333.3	2343.7
2252.2	32.5°	2224.4	2217.7	2210.9	2211.8	2212.8	2214.5	2212.8	2211.8	2210.9	2217.7
2135.6	35°	2110.1	2099.8	2089.6	2087.4	2085.2	2084.1	2085.2	2087.4	2089.6	2099.8
2036.5	37.5°	2012.8	1994.1	1975.6	1965.7	1955.9	1950.4	1955.9	1965.7	1975.6	1994.1
1943.6	40°	1923.6	1896.5	1869.5	1851.1	1833.0	1822.2	1833.0	1851.1	1869.5	1896.5
1850.0	42.5°	1833.2	1799.5	1765.8	1739.2	1712.6	1695.1	1712.6	1739.2	1765.8	1799.5
1759.4	45°	1744.3	1705.7	1667.3	1636.0	1604.7	1584.6	1604.7	1636.0	1667.3	1705.7
1684.5	47.5°	1673.9	1639.6	1605.4	1576.4	1547.6	1528.3	1547.6	1576.4	1605.4	1639.6
1632.3	50°	1631.9	1604.5	1577.1	1550.4	1523.6	1505.0	1523.6	1550.4	1577.1	1604.5
1597.9	52.5°	1603.6	1581.3	1559.0	1535.0	1511.1	1494.0	1511.1	1535.0	1559.0	1581.3
1569.1	55°	1577.1	1557.6	1538.2	1517.2	1496.2	1480.7	1496.2	1517.2	1538.2	1557.6
1541.0	57.5°	1549.0	1529.4	1509.7	1488.9	1468.0	1452.0	1468.0	1488.9	1509.7	1529.4
1501.2	60°	1510.0	1490.8	1471.7	1450.2	1428.8	1412.2	1428.8	1450.2	1471.7	1490.8
1439.3	62.5°	1447.8	1430.5	1413.1	1390.6	1368.0	1348.1	1368.0	1390.6	1413.1	1430.5
1355.2	65°	1363.8	1347.1	1330.5	1308.6	1286.8	1269.7	1286.8	1308.6	1330.5	1347.1
1259.6	67.5°	1268.0	1252.7	1237.4	1217.1	1196.7	1181.3	1196.7	1217.1	1237.4	1252.7
1157.4	70°	1165.6	1153.1	1140.6	1121.2	1101.7	1084.0	1101.7	1121.2	1140.6	1153.1
1043.1	72.5°	1052.9	1042.5	1032.1	1013.5	995.1	978.0	995.1	1013.5	1032.1	1042.5
908.3	75°	918.5	913.4	908.3	892.8	877.2	860.8	877.2	892.8	908.3	913.4
778.6	77.5°	788.1	781.0	773.7	758.0	742.4	729.3	742.4	758.0	773.7	781.0
628.3	80°	640.9	637.8	634.8	613.7	592.5	568.0	592.5	613.7	634.8	637.8
457.0	82.5°	478.5	477.2	475.7	457.9	440.0	424.3	440.0	457.9	475.7	477.2
277.4	85°	303.9	301.7	299.5	285.5	271.6	257.5	271.6	285.5	299.5	301.7
121.0	87.5°	131.7	129.1	126.2	119.1	111.8	105.0	111.8	119.1	126.2	129.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2655.4	2.5°	2665.9	2676.4	2689.4	2702.3	2719.0	2735.8	2752.5	2769.2	2788.2	2807.3
2493.8	5°	2508.3	2522.8	2543.6	2564.2	2591.2	2618.0	2647.6	2677.3	2710.7	2744.3
2396.6	7.5°	2413.8	2431.1	2455.6	2480.2	2513.1	2546.0	2583.3	2620.6	2664.8	2709.0
2367.2	10°	2386.6	2405.9	2435.4	2464.8	2501.8	2538.8	2579.0	2619.1	2663.3	2707.5
2410.6	12.5°	2435.5	2460.3	2497.9	2535.5	2573.7	2612.1	2643.5	2675.1	2704.2	2733.6
2500.5	15°	2538.3	2576.0	2629.5	2683.0	2716.3	2749.5	2757.7	2765.9	2761.9	2757.9
2586.9	17.5°	2642.6	2698.3	2769.1	2839.9	2866.7	2893.5	2868.0	2842.4	2794.2	2746.0
2639.4	20°	2707.5	2775.8	2856.7	2937.7	2950.2	2962.6	2909.0	2855.4	2771.6	2688.0
2641.2	22.5°	2711.6	2781.9	2859.3	2936.6	2929.2	2921.7	2852.0	2782.2	2686.5	2591.1
2587.8	25°	2650.1	2712.6	2775.9	2839.4	2813.8	2788.2	2719.6	2651.0	2565.0	2479.1
2483.0	27.5°	2531.5	2580.0	2625.1	2670.3	2641.7	2613.2	2558.1	2503.1	2432.6	2362.0
2353.9	30°	2388.9	2423.5	2458.0	2492.4	2469.2	2446.0	2400.2	2354.6	2296.0	2237.5
2224.4	32.5°	2252.2	2279.9	2311.6	2343.2	2317.4	2291.6	2247.7	2204.0	2157.1	2110.4
2110.1	35°	2135.6	2161.2	2183.6	2206.2	2175.2	2144.3	2100.9	2057.6	2022.0	1986.3
2012.8	37.5°	2036.5	2060.0	2070.4	2080.8	2042.5	2004.3	1961.0	1917.8	1892.3	1866.6
1923.6	40°	1943.6	1963.6	1961.2	1958.7	1914.6	1870.6	1828.8	1787.1	1768.6	1750.1
1833.2	42.5°	1850.0	1866.9	1854.2	1841.5	1794.0	1746.5	1706.8	1667.3	1652.1	1637.1
1744.3	45°	1759.4	1774.7	1756.4	1738.2	1688.9	1639.6	1602.1	1564.5	1551.7	1539.1
1673.9	47.5°	1684.5	1695.1	1674.1	1653.1	1604.5	1555.9	1519.2	1482.4	1470.6	1458.6
1631.9	50°	1632.3	1633.0	1606.0	1579.1	1535.5	1492.0	1457.4	1422.7	1404.0	1385.5
1603.6	52.5°	1597.9	1592.1	1560.2	1528.3	1487.6	1447.0	1415.3	1383.5	1355.6	1327.7
1577.1	55°	1569.1	1561.2	1527.3	1493.4	1458.0	1422.4	1388.1	1353.9	1314.3	1274.7
1549.0	57.5°	1541.0	1532.9	1498.9	1464.7	1429.5	1394.3	1354.1	1313.9	1271.2	1228.6
1510.0	60°	1501.2	1492.3	1458.1	1423.8	1388.0	1352.3	1306.1	1260.0	1222.6	1185.1
1447.8	62.5°	1439.3	1430.8	1399.4	1368.0	1329.9	1291.8	1237.9	1184.0	1160.3	1136.5
1363.8	65°	1355.2	1346.5	1318.9	1291.2	1254.8	1218.3	1160.5	1102.8	1093.8	1084.6
1268.0	67.5°	1259.6	1251.1	1227.2	1203.4	1168.9	1134.3	1080.9	1027.7	1030.5	1033.4
1165.6	70°	1157.4	1149.2	1127.7	1106.1	1076.3	1046.5	999.6	952.8	962.7	972.6
1052.9	72.5°	1043.1	1033.4	1012.3	991.2	964.2	937.3	900.5	863.6	878.1	892.6
918.5	75°	908.3	898.2	878.9	859.7	835.3	810.9	783.5	756.1	770.1	784.0
788.1	77.5°	778.6	769.1	749.0	728.8	707.8	686.8	664.6	642.2	656.4	670.5
640.9	80°	628.3	615.7	600.5	585.1	567.4	549.8	531.3	512.7	524.7	536.5
478.5	82.5°	457.0	435.6	402.9	370.2	376.4	382.6	384.1	385.7	394.1	402.5
303.9	85°	277.4	250.8	220.1	189.5	206.6	223.8	231.8	239.8	249.2	258.6
131.7	87.5°	121.0	110.3	97.4	84.5	97.7	110.7	111.1	111.4	113.2	114.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2828.4	2.5°	2849.6	2875.8	2899.4	2923.7	2948.0	2973.4	2998.8	3024.0	3049.3	3073.1
2784.5	5°	2824.5	2870.3	2916.7	2965.9	3015.1	3067.7	3120.4	3172.6	3225.0	3277.5
2762.1	7.5°	2815.4	2874.7	2938.1	3006.7	3075.3	3153.2	3231.1	3311.1	3391.1	3477.6
2763.7	10°	2819.8	2883.6	2961.7	3043.0	3124.1	3218.8	3313.4	3419.1	3524.8	3634.3
2779.4	12.5°	2825.3	2884.7	2966.8	3058.6	3150.4	3262.0	3373.7	3493.4	3613.2	3733.5
2779.8	15°	2801.8	2849.3	2940.3	3046.6	3152.9	3281.4	3409.9	3539.8	3669.8	3795.2
2738.0	17.5°	2730.0	2759.3	2866.2	2994.1	3121.9	3271.1	3420.3	3562.1	3703.8	3831.0
2650.4	20°	2612.8	2620.6	2745.1	2903.6	3062.0	3242.8	3423.6	3579.4	3735.2	3867.5
2535.5	22.5°	2479.9	2464.8	2606.5	2797.4	2988.2	3208.1	3428.0	3602.8	3777.5	3912.7
2415.0	25°	2350.9	2310.1	2455.4	2678.8	2902.4	3173.9	3445.5	3645.3	3844.9	3977.2
2300.1	27.5°	2238.2	2188.5	2320.8	2570.4	2820.0	3151.0	3481.9	3711.6	3941.1	4067.4
2188.2	30°	2139.1	2100.1	2211.2	2479.8	2748.4	3140.3	3531.9	3797.4	4063.0	4184.9
2081.3	32.5°	2052.3	2034.9	2124.4	2401.7	2678.8	3127.0	3575.0	3887.0	4199.1	4319.8
1978.2	35°	1970.3	1977.4	2052.0	2324.9	2597.7	3102.0	3606.6	3989.2	4371.7	4487.4
1875.5	37.5°	1884.3	1910.6	1975.8	2234.5	2493.2	3059.3	3625.4	4103.5	4581.7	4729.1
1770.1	40°	1790.1	1830.5	1889.6	2126.6	2363.7	3000.4	3637.2	4248.7	4860.1	5075.0
1663.6	42.5°	1690.1	1741.0	1795.5	2007.6	2219.8	2939.6	3659.6	4438.7	5217.7	5527.8
1564.8	45°	1590.7	1639.9	1695.1	1881.2	2067.3	2883.1	3699.1	4688.6	5678.2	6096.4
1480.3	47.5°	1502.0	1544.3	1615.6	1781.2	1946.8	2836.5	3726.2	4954.9	6183.7	6772.5
1404.6	50°	1423.8	1473.0	1566.7	1714.8	1862.9	2785.7	3708.5	5202.0	6695.6	7583.2
1346.6	52.5°	1365.6	1434.3	1542.1	1671.0	1800.1	2699.8	3599.6	5362.5	7125.2	8434.7
1304.6	55°	1334.7	1438.2	1538.4	1639.3	1740.2	2557.5	3374.8	5327.1	7279.4	9189.6
1272.3	57.5°	1316.1	1442.1	1530.5	1601.7	1673.0	2356.8	3040.5	5078.3	7116.2	9724.7
1241.9	60°	1298.6	1429.9	1488.3	1544.3	1600.3	2096.2	2592.2	4615.2	6638.1	9858.4
1207.4	62.5°	1278.3	1400.1	1407.3	1444.4	1481.6	1784.4	2087.2	3988.9	5890.7	9295.4
1160.1	65°	1235.4	1328.2	1327.4	1344.9	1362.5	1503.8	1645.2	3350.0	5055.0	8498.8
1096.2	67.5°	1159.0	1211.1	1213.5	1203.8	1194.0	1234.2	1274.3	2724.1	4173.9	7550.8
1017.3	70°	1061.9	1079.1	1079.1	1033.6	988.1	976.7	965.2	2144.9	3324.5	6516.4
923.3	72.5°	953.9	953.6	942.8	878.4	813.9	779.2	744.6	1639.8	2534.9	5395.0
807.7	75°	831.2	835.4	785.5	713.2	640.9	609.5	578.2	1190.1	1802.1	4109.5
689.4	77.5°	708.3	710.5	628.2	558.0	487.9	466.4	445.1	806.5	1167.8	2876.3
552.4	80°	568.2	568.5	470.2	410.8	351.4	342.6	333.7	519.6	705.6	1853.1
410.2	82.5°	417.9	413.3	329.3	285.5	241.8	240.0	238.5	319.6	400.9	1072.5
266.9	85°	275.2	269.1	206.6	174.6	142.5	143.4	144.2	170.8	197.6	482.5
118.2	87.5°	121.6	113.8	87.8	74.7	61.7	62.4	63.2	70.8	78.5	158.0
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°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
3096.8	2.5°	3108.6	3120.4	3137.1	3153.8	3163.7	3173.6	3178.6	3183.6	3181.4	3183.6
3330.0	5°	3371.0	3412.1	3452.8	3493.5	3515.6	3537.8	3551.1	3564.6	3574.8	3564.6
3564.3	7.5°	3631.0	3697.6	3757.7	3817.7	3853.8	3889.9	3909.5	3928.9	3938.3	3928.9
3743.8	10°	3822.7	3901.6	3972.0	4042.4	4085.1	4127.5	4146.5	4165.4	4172.6	4165.4
3853.8	12.5°	3939.3	4024.7	4088.4	4151.8	4182.8	4213.7	4224.1	4234.5	4235.6	4234.5
3920.6	15°	3994.5	4068.2	4108.1	4148.1	4149.2	4150.3	4139.2	4128.2	4115.1	4128.2
3958.2	17.5°	4008.1	4057.9	4058.7	4059.3	4014.6	3969.8	3928.8	3887.7	3858.8	3887.7
3999.7	20°	4017.0	4034.5	3982.0	3929.5	3830.7	3731.9	3660.0	3588.0	3543.8	3588.0
4047.7	22.5°	4025.0	4002.2	3893.5	3784.7	3639.4	3494.1	3404.2	3314.2	3265.4	3314.2
4109.6	25°	4037.8	3965.9	3800.9	3635.8	3459.3	3282.8	3188.2	3093.9	3047.7	3093.9
4193.6	27.5°	4065.2	3936.7	3718.0	3499.4	3303.8	3108.2	3015.2	2922.2	2878.6	2922.2
4306.9	30°	4115.3	3924.0	3654.8	3385.6	3181.8	2978.1	2891.8	2805.4	2764.8	2805.4
4440.6	32.5°	4178.3	3916.2	3611.7	3307.1	3115.6	2924.1	2856.4	2788.5	2759.3	2788.5
4603.0	35°	4282.1	3961.3	3643.9	3326.7	3193.6	3060.7	3044.9	3029.1	3026.7	3029.1
4876.5	37.5°	4499.0	4121.5	3833.1	3544.7	3536.1	3527.5	3599.7	3672.0	3709.6	3672.0
5289.8	40°	4879.3	4468.7	4254.3	4039.8	4191.2	4342.5	4518.2	4693.9	4781.5	4693.9
5837.9	42.5°	5430.6	5023.2	4899.7	4776.2	5106.3	5436.5	5756.1	6075.7	6263.3	6075.7
6514.7	45°	6148.8	5782.8	5728.4	5673.8	6202.7	6731.8	7256.9	7782.2	8101.0	7782.2
7361.2	47.5°	7005.2	6649.2	6638.1	6627.1	7390.2	8153.1	8921.9	9690.6	10142.0	9690.6
8470.6	50°	8030.9	7591.3	7593.2	7595.1	8578.6	9562.0	10576.8	11591.5	12205.0	11591.5
9744.1	52.5°	9211.7	8679.4	8625.6	8571.7	9746.5	10921.2	12176.8	13432.2	14167.6	13432.2
11100.0	55°	10574.0	10048.0	9838.2	9628.3	10935.8	12243.2	13739.9	15236.7	16111.3	15236.7
12333.2	57.5°	12046.8	11760.3	11339.4	10918.6	12238.7	13558.9	15254.3	16949.5	18034.1	16949.5
13078.6	60°	13523.5	13968.4	13445.8	12923.1	14172.4	15421.8	17236.9	19052.0	20224.2	19052.0
12700.1	62.5°	13915.7	15131.4	15072.5	15013.5	16158.0	17302.5	19029.5	20756.3	21839.8	20756.3
11942.6	65°	13083.5	14224.5	14450.2	14675.9	16130.3	17584.9	19259.4	20933.9	21856.4	20933.9
10927.6	67.5°	12012.8	13097.9	13203.8	13309.5	14825.0	16340.3	18022.0	19703.8	20426.5	19703.8
9708.2	70°	10888.5	12068.9	12116.2	12163.6	13518.8	14873.9	16321.2	17768.3	18170.0	17768.3
8255.1	72.5°	9609.6	10964.1	10998.1	11032.1	12092.3	13152.6	14236.5	15320.3	15361.0	15320.3
6416.9	75°	7818.7	9220.6	9346.4	9472.3	10297.2	11122.1	11885.1	12648.2	12443.7	12648.2
4584.8	77.5°	5893.3	7202.0	7382.1	7562.3	8189.4	8816.5	9357.6	9898.8	9547.4	9898.8
3000.7	80°	4101.6	5202.5	5426.4	5650.2	6123.8	6597.2	6881.5	7165.6	6600.3	7165.6
1744.3	82.5°	2496.9	3249.7	3499.7	3749.9	4075.9	4401.9	4520.5	4638.9	4194.7	4638.9
767.4	85°	1166.9	1566.4	1779.1	1991.8	2259.7	2527.4	2594.7	2662.0	2306.2	2662.0
237.6	87.5°	371.8	506.1	624.8	743.5	877.4	1011.3	1017.1	1022.7	858.6	1022.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
3178.6	2.5°	3173.6	3163.7	3153.8	3137.1	3120.4	3108.6	3096.8
3551.1	5°	3537.8	3515.6	3493.5	3452.8	3412.1	3371.0	3330.0
3909.5	7.5°	3889.9	3853.8	3817.7	3757.7	3697.6	3631.0	3564.3
4146.5	10°	4127.5	4085.1	4042.4	3972.0	3901.6	3822.7	3743.8
4224.1	12.5°	4213.7	4182.8	4151.8	4088.4	4024.7	3939.3	3853.8
4139.2	15°	4150.3	4149.2	4148.1	4108.1	4068.2	3994.5	3920.6
3928.8	17.5°	3969.8	4014.6	4059.3	4058.7	4057.9	4008.1	3958.2
3660.0	20°	3731.9	3830.7	3929.5	3982.0	4034.5	4017.0	3999.7
3404.2	22.5°	3494.1	3639.4	3784.7	3893.5	4002.2	4025.0	4047.7
3188.2	25°	3282.8	3459.3	3635.8	3800.9	3965.9	4037.8	4109.6
3015.2	27.5°	3108.2	3303.8	3499.4	3718.0	3936.7	4065.2	4193.6
2891.8	30°	2978.1	3181.8	3385.6	3654.8	3924.0	4115.3	4306.9
2856.4	32.5°	2924.1	3115.6	3307.1	3611.7	3916.2	4178.3	4440.6
3044.9	35°	3060.7	3193.6	3326.7	3643.9	3961.3	4282.1	4603.0
3599.7	37.5°	3527.5	3536.1	3544.7	3833.1	4121.5	4499.0	4876.5
4518.2	40°	4342.5	4191.2	4039.8	4254.3	4468.7	4879.3	5289.8
5756.1	42.5°	5436.5	5106.3	4776.2	4899.7	5023.2	5430.6	5837.9
7256.9	45°	6731.8	6202.7	5673.8	5728.4	5782.8	6148.8	6514.7
8921.9	47.5°	8153.1	7390.2	6627.1	6638.1	6649.2	7005.2	7361.2
10576.8	50°	9562.0	8578.6	7595.1	7593.2	7591.3	8030.9	8470.6
12176.8	52.5°	10921.2	9746.5	8571.7	8625.6	8679.4	9211.7	9744.1
13739.9	55°	12243.2	10935.8	9628.3	9838.2	10048.0	10574.0	11100.0
15254.3	57.5°	13558.9	12238.7	10918.6	11339.4	11760.3	12046.8	12333.2
17236.9	60°	15421.8	14172.4	12923.1	13445.8	13968.4	13523.5	13078.6
19029.5	62.5°	17302.5	16158.0	15013.5	15072.5	15131.4	13915.7	12700.1
19259.4	65°	17584.9	16130.3	14675.9	14450.2	14224.5	13083.5	11942.6
18022.0	67.5°	16340.3	14825.0	13309.5	13203.8	13097.9	12012.8	10927.6
16321.2	70°	14873.9	13518.8	12163.6	12116.2	12068.9	10888.5	9708.2
14236.5	72.5°	13152.6	12092.3	11032.1	10998.1	10964.1	9609.6	8255.1
11885.1	75°	11122.1	10297.2	9472.3	9346.4	9220.6	7818.7	6416.9
9357.6	77.5°	8816.5	8189.4	7562.3	7382.1	7202.0	5893.3	4584.8
6881.5	80°	6597.2	6123.8	5650.2	5426.4	5202.5	4101.6	3000.7
4520.5	82.5°	4401.9	4075.9	3749.9	3499.7	3249.7	2496.9	1744.3
2594.7	85°	2527.4	2259.7	1991.8	1779.1	1566.4	1166.9	767.4
1017.1	87.5°	1011.3	877.4	743.5	624.8	506.1	371.8	237.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)