

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: P952255

Luminaire Tested: **GALN-SB6A-930-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952255
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-SB6A-930-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18855 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

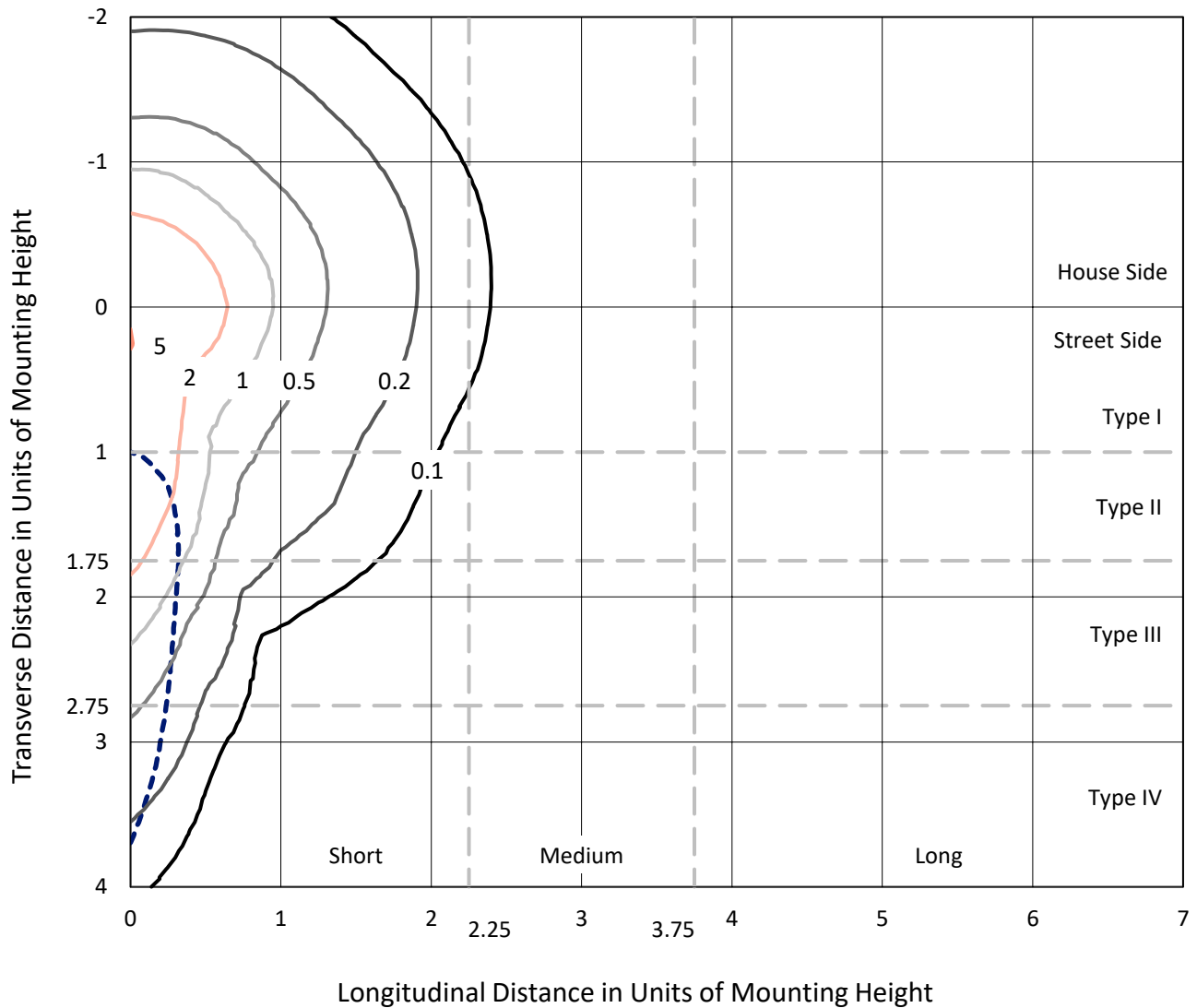
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

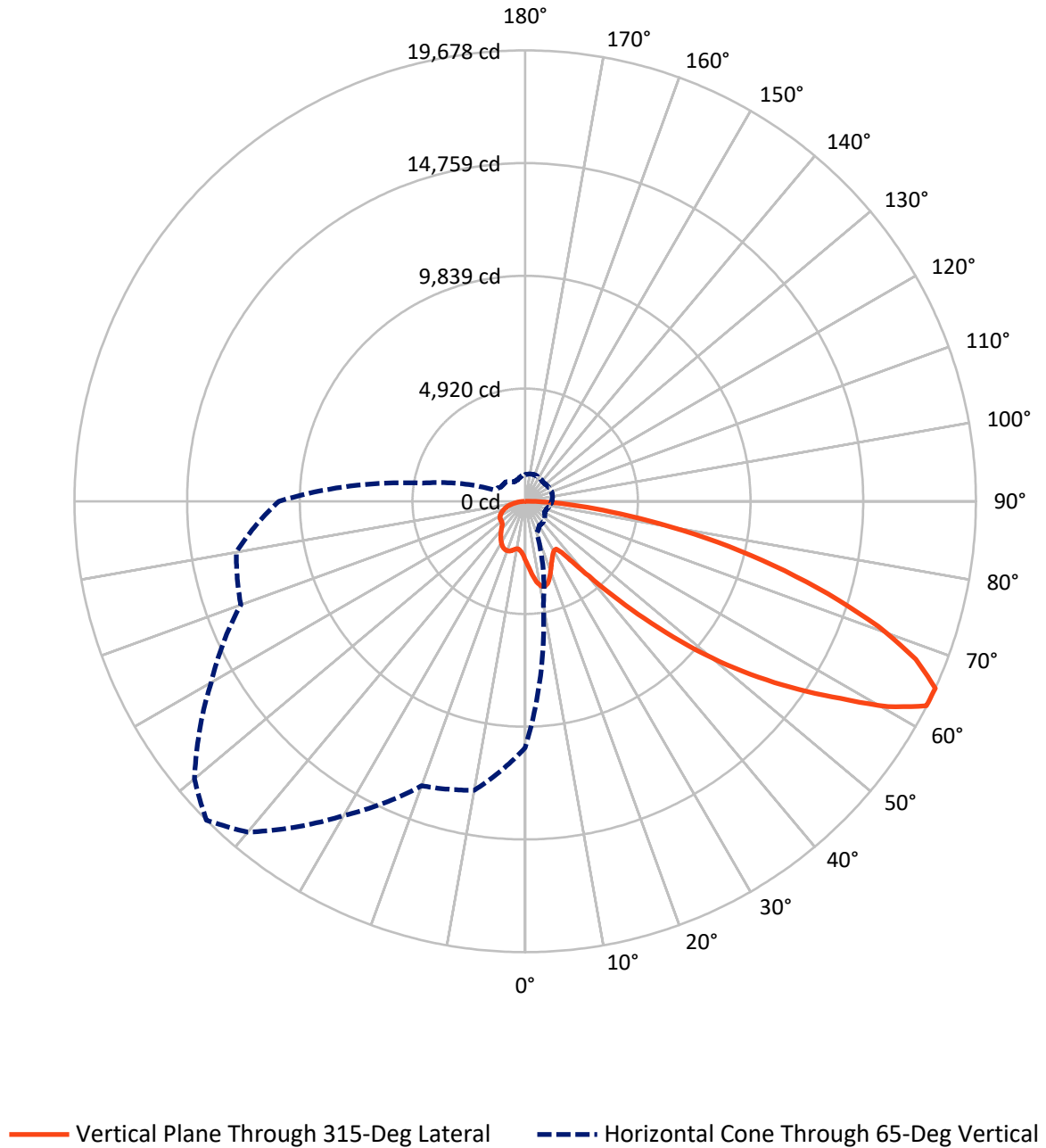
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	4792.0	0.0	4792.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14063.0	0.0	14063.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	18855.0	0.0	18855.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.2	1.4
10°-20°	807.4	4.3
20°-30°	1247.1	6.6
30°-40°	1580.4	8.4
40°-50°	2383.7	12.6
50°-60°	3851.2	20.4
60°-70°	4801.2	25.5
70°-80°	3148.4	16.7
80°-90°	778.4	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°	18855.0	100.0
0°-180°	18855.0	100.0



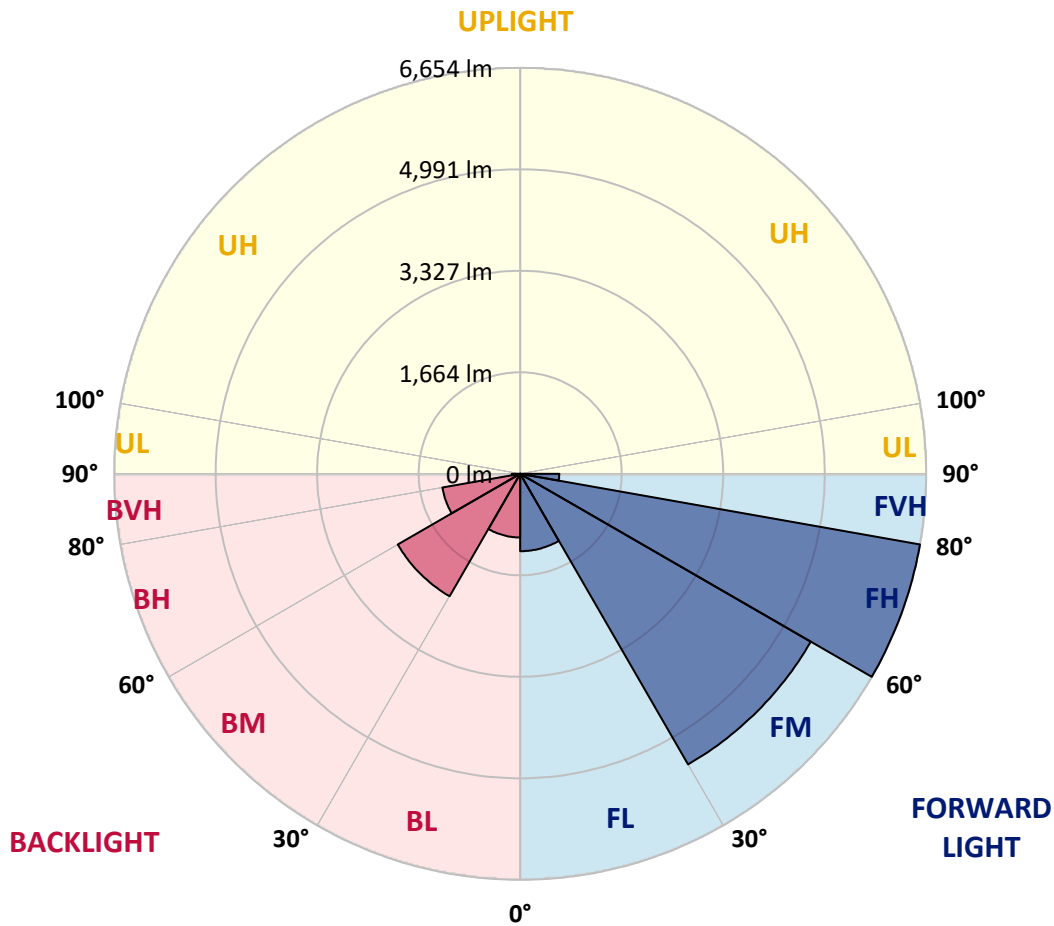
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1268.2	6.7			
FM (30°-60°)	5499.6	29.2			
FH (60°-80°)	6654.0	35.3			G3/7500
FVH (80°-90°)	641.2	3.4			G4/750
BL (0°-30°)	1043.5	5.5	B3/2500		
BM (30°-60°)	2315.8	12.3	B2/2500		
BH (60°-80°)	1295.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	137.2	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°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2.5°	2788.2	2766.8	2745.4	2722.7	2700.0	2677.1	2654.2	2632.3	2610.4	2589.2
5°	2998.1	2950.9	2903.6	2856.5	2809.4	2762.0	2714.6	2670.3	2626.1	2584.3
7.5°	3209.1	3131.1	3053.2	2981.1	2909.1	2839.0	2768.8	2707.0	2645.3	2588.2
10°	3370.7	3272.1	3173.6	3078.3	2983.2	2898.1	2812.8	2739.8	2666.5	2596.2
12.5°	3469.7	3361.4	3253.1	3145.3	3037.4	2937.0	2836.5	2753.8	2671.1	2597.2
15°	3529.9	3417.0	3304.1	3187.1	3070.1	2954.4	2838.7	2743.0	2647.2	2565.4
17.5°	3563.8	3449.2	3334.7	3207.1	3079.4	2945.1	2810.8	2695.7	2580.6	2484.3
20°	3601.1	3482.1	3363.0	3222.7	3082.4	2919.7	2756.9	2614.2	2471.5	2359.4
22.5°	3644.3	3522.8	3401.1	3243.8	3086.4	2888.4	2690.4	2518.6	2346.8	2219.1
25°	3700.1	3580.9	3461.8	3282.0	3102.1	2857.6	2613.1	2411.9	2210.7	2079.9
27.5°	3775.7	3662.0	3548.3	3341.7	3134.9	2837.0	2539.0	2314.3	2089.5	1970.4
30°	3877.6	3767.8	3658.1	3419.0	3179.9	2827.3	2474.5	2232.7	1990.8	1890.8
32.5°	3998.0	3889.3	3780.6	3499.7	3218.7	2815.4	2411.9	2162.3	1912.7	1832.1
35°	4144.3	4040.2	3936.0	3591.6	3247.2	2792.9	2338.8	2093.2	1847.5	1780.4
37.5°	4390.5	4257.8	4125.1	3694.6	3264.1	2754.4	2244.7	2011.8	1778.9	1720.2
40°	4762.6	4569.2	4375.8	3825.3	3274.7	2701.4	2128.1	1914.7	1701.3	1648.1
42.5°	5256.1	4976.9	4697.7	3996.3	3294.9	2646.6	1998.6	1807.5	1616.5	1567.5
45°	5865.5	5488.9	5112.3	4221.4	3330.4	2595.8	1861.3	1693.7	1526.2	1476.4
47.5°	6627.6	6097.6	5567.5	4461.2	3354.8	2553.8	1752.8	1603.7	1454.6	1390.4
50°	7626.5	6827.4	6028.3	4683.6	3338.9	2508.1	1677.2	1543.9	1410.6	1326.2
52.5°	8773.1	7594.1	6415.2	4828.1	3240.9	2430.8	1620.7	1504.5	1388.4	1291.4
55°	9993.8	8273.8	6553.9	4796.2	3038.4	2302.6	1566.8	1475.9	1385.1	1294.9
57.5°	11104.1	8755.6	6407.0	4572.2	2737.5	2121.9	1506.3	1442.1	1377.9	1298.4
60°	11775.2	8876.0	5976.6	4155.2	2333.9	1887.3	1440.8	1390.4	1339.9	1287.4
62.5°	11434.5	8369.0	5303.6	3591.4	1879.2	1606.6	1334.0	1300.4	1267.0	1260.5
65°	10752.4	7651.8	4551.2	3016.2	1481.2	1354.0	1226.7	1210.9	1195.1	1195.9
67.5°	9838.6	6798.3	3758.0	2452.6	1147.3	1111.2	1075.0	1083.9	1092.6	1090.4
70°	8740.7	5867.0	2993.2	1931.1	869.1	879.4	889.6	930.6	971.5	971.5
72.5°	7432.4	4857.3	2282.3	1476.3	670.4	701.5	732.7	790.9	848.9	858.6
75°	5777.4	3700.0	1622.5	1071.5	520.5	548.8	577.0	642.1	707.2	752.1
77.5°	4127.9	2589.6	1051.4	726.1	400.7	419.9	439.3	502.4	565.6	639.7
80°	2701.7	1668.5	635.2	467.8	300.5	308.4	316.4	369.9	423.3	511.9
82.5°	1570.5	965.7	361.0	287.7	214.7	216.1	217.7	257.1	296.5	372.1
85°	691.0	434.4	177.9	153.8	129.8	129.1	128.3	157.2	186.0	242.3
87.5°	213.9	142.3	70.6	63.8	56.9	56.2	55.5	67.3	79.1	102.5
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°
2592.7	0°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2565.7	2.5°	2546.6	2527.6	2510.3	2493.2	2478.2	2463.2	2448.1	2433.0	2421.4	2409.7
2543.0	5°	2507.0	2470.8	2440.6	2410.5	2383.8	2357.1	2333.0	2308.7	2290.1	2271.4
2534.8	7.5°	2486.9	2439.0	2399.2	2359.4	2325.9	2292.3	2262.6	2233.1	2210.9	2188.8
2538.8	10°	2488.3	2437.7	2397.9	2358.1	2322.0	2285.8	2252.5	2219.1	2192.7	2166.1
2543.8	12.5°	2502.4	2461.2	2434.7	2408.5	2380.0	2351.8	2317.2	2282.8	2249.0	2215.2
2522.6	15°	2502.8	2483.1	2486.7	2490.2	2482.9	2475.5	2445.6	2415.6	2367.5	2319.3
2457.9	17.5°	2465.2	2472.3	2515.7	2559.1	2582.2	2605.2	2581.0	2556.9	2493.1	2429.4
2352.5	20°	2386.3	2420.1	2495.4	2570.8	2619.1	2667.3	2656.2	2645.0	2572.0	2499.2
2232.8	22.5°	2282.8	2332.9	2418.8	2505.0	2567.8	2630.5	2637.3	2644.0	2574.3	2504.7
2116.7	25°	2174.4	2232.1	2309.4	2386.8	2448.6	2510.3	2533.4	2556.4	2499.3	2442.3
2015.2	27.5°	2070.9	2126.6	2190.2	2253.7	2303.2	2352.8	2378.4	2404.2	2363.5	2322.9
1925.9	30°	1970.1	2014.5	2067.2	2119.9	2161.0	2202.2	2223.1	2244.0	2213.1	2182.0
1847.7	32.5°	1873.9	1900.1	1942.2	1984.3	2023.7	2063.2	2086.4	2109.7	2081.2	2052.7
1773.9	35°	1781.1	1788.3	1820.5	1852.5	1891.5	1930.6	1958.5	1986.3	1966.0	1945.8
1696.5	37.5°	1688.6	1680.6	1703.7	1726.7	1765.6	1804.6	1839.0	1873.4	1864.1	1854.7
1611.7	40°	1593.7	1575.7	1592.3	1609.0	1646.6	1684.2	1723.8	1763.5	1765.8	1767.9
1521.7	42.5°	1497.8	1474.0	1487.5	1501.1	1536.7	1572.4	1615.2	1658.0	1669.5	1680.9
1432.2	45°	1408.9	1385.7	1397.0	1408.6	1442.4	1476.2	1520.6	1565.0	1581.4	1597.8
1352.3	47.5°	1332.8	1313.3	1324.0	1334.7	1367.8	1400.8	1444.6	1488.4	1507.3	1526.2
1281.9	50°	1264.6	1247.4	1264.1	1280.9	1312.2	1343.3	1382.5	1421.7	1446.0	1470.3
1229.5	52.5°	1212.4	1195.4	1220.6	1245.6	1274.3	1302.8	1339.3	1376.0	1404.7	1433.5
1201.6	55°	1174.6	1147.6	1183.3	1219.0	1249.8	1280.6	1312.7	1344.6	1375.1	1405.6
1184.9	57.5°	1145.5	1106.1	1144.5	1182.9	1219.2	1255.4	1287.0	1318.7	1349.5	1380.1
1169.2	60°	1118.2	1067.0	1100.8	1134.4	1176.0	1217.6	1249.7	1281.9	1312.8	1343.6
1150.9	62.5°	1087.0	1023.3	1044.7	1066.0	1114.5	1163.0	1197.4	1231.7	1259.9	1288.2
1112.3	65°	1044.5	976.5	984.8	992.9	1044.9	1096.9	1129.7	1162.5	1187.4	1212.3
1043.5	67.5°	986.9	930.4	927.8	925.3	973.2	1021.3	1052.4	1083.5	1104.9	1126.4
956.1	70°	915.9	875.7	866.8	857.8	900.0	942.2	969.0	995.9	1015.3	1034.7
858.8	72.5°	831.2	803.7	790.6	777.5	810.7	843.9	868.2	892.4	911.4	930.4
748.4	75°	727.2	705.9	693.3	680.7	705.4	730.1	752.0	774.0	791.3	808.7
637.7	77.5°	620.7	603.7	591.0	578.2	598.3	618.3	637.2	656.1	674.3	692.5
511.6	80°	497.4	483.0	472.4	461.6	478.4	495.0	510.9	526.8	540.6	554.4
376.3	82.5°	369.3	362.3	354.8	347.2	345.8	344.4	338.9	333.3	362.7	392.2
247.7	85°	240.3	232.8	224.4	215.9	208.7	201.5	186.0	170.6	198.2	225.8
109.4	87.5°	106.5	103.5	101.9	100.3	100.0	99.7	87.9	76.1	87.7	99.3
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°
2592.7	0°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2400.2	2.5°	2390.8	2383.4	2376.0	2369.3	2362.4	2353.9	2362.4	2369.3	2376.0	2383.4
2258.3	5°	2245.3	2236.1	2226.8	2219.7	2212.7	2205.7	2212.7	2219.7	2226.8	2236.1
2173.3	7.5°	2157.8	2147.1	2136.6	2130.2	2123.9	2119.1	2123.9	2130.2	2136.6	2147.1
2148.8	10°	2131.3	2121.2	2111.2	2105.8	2100.4	2098.3	2100.4	2105.8	2111.2	2121.2
2192.8	12.5°	2170.4	2159.1	2148.0	2143.4	2138.8	2138.1	2138.8	2143.4	2148.0	2159.1
2285.3	15°	2251.3	2235.7	2220.1	2214.2	2208.2	2207.7	2208.2	2214.2	2220.1	2235.7
2379.2	17.5°	2329.1	2306.0	2282.8	2275.3	2267.6	2266.4	2267.6	2275.3	2282.8	2306.0
2437.7	20°	2376.3	2346.8	2317.1	2307.7	2298.2	2295.2	2298.2	2307.7	2317.1	2346.8
2441.4	22.5°	2378.0	2346.9	2315.6	2305.2	2294.8	2290.3	2294.8	2305.2	2315.6	2346.9
2386.0	25°	2329.9	2302.8	2275.8	2266.0	2256.2	2250.5	2256.2	2266.0	2275.8	2302.8
2279.2	27.5°	2235.6	2217.4	2199.2	2194.8	2190.3	2188.8	2190.3	2194.8	2199.2	2217.4
2150.8	30°	2119.3	2110.1	2100.7	2100.7	2100.7	2102.2	2100.7	2100.7	2100.7	2110.1
2027.7	32.5°	2002.7	1996.7	1990.6	1991.4	1992.3	1993.8	1992.3	1991.4	1990.6	1996.7
1922.8	35°	1899.8	1890.5	1881.4	1879.4	1877.4	1876.4	1877.4	1879.4	1881.4	1890.5
1833.5	37.5°	1812.2	1795.4	1778.7	1769.8	1761.0	1756.0	1761.0	1769.8	1778.7	1795.4
1749.9	40°	1731.9	1707.5	1683.2	1666.7	1650.3	1640.6	1650.3	1666.7	1683.2	1707.5
1665.7	42.5°	1650.5	1620.2	1589.9	1565.9	1541.9	1526.2	1541.9	1565.9	1589.9	1620.2
1584.1	45°	1570.5	1535.7	1501.1	1473.0	1444.8	1426.7	1444.8	1473.0	1501.1	1535.7
1516.6	47.5°	1507.1	1476.2	1445.4	1419.3	1393.4	1376.0	1393.4	1419.3	1445.4	1476.2
1469.7	50°	1469.3	1444.6	1419.9	1395.9	1371.8	1355.1	1371.8	1395.9	1419.9	1444.6
1438.6	52.5°	1443.8	1423.7	1403.6	1382.0	1360.5	1345.1	1360.5	1382.0	1403.6	1423.7
1412.8	55°	1419.9	1402.4	1384.9	1366.0	1347.1	1333.2	1347.1	1366.0	1384.9	1402.4
1387.4	57.5°	1394.7	1376.9	1359.2	1340.5	1321.7	1307.3	1321.7	1340.5	1359.2	1376.9
1351.6	60°	1359.5	1342.2	1325.0	1305.7	1286.4	1271.5	1286.4	1305.7	1325.0	1342.2
1295.9	62.5°	1303.5	1287.9	1272.3	1252.0	1231.7	1213.8	1231.7	1252.0	1272.3	1287.9
1220.2	65°	1227.9	1212.9	1197.9	1178.2	1158.6	1143.1	1158.6	1178.2	1197.9	1212.9
1134.1	67.5°	1141.7	1127.8	1114.1	1095.8	1077.5	1063.6	1077.5	1095.8	1114.1	1127.8
1042.1	70°	1049.4	1038.2	1026.9	1009.4	991.9	976.0	991.9	1009.4	1026.9	1038.2
939.2	72.5°	947.9	938.6	929.2	912.5	895.9	880.5	895.9	912.5	929.2	938.6
817.8	75°	827.0	822.4	817.8	803.8	789.8	775.0	789.8	803.8	817.8	822.4
701.0	77.5°	709.6	703.2	696.6	682.5	668.4	656.6	668.4	682.5	696.6	703.2
565.7	80°	577.0	574.3	571.6	552.6	533.5	511.4	533.5	552.6	571.6	574.3
411.5	82.5°	430.8	429.6	428.3	412.3	396.2	382.0	396.2	412.3	428.3	429.6
249.7	85°	273.6	271.6	269.6	257.1	244.5	231.8	244.5	257.1	269.6	271.6
108.9	87.5°	118.6	116.2	113.6	107.3	100.7	94.5	100.7	107.3	113.6	116.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2592.7	0°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2390.8	2.5°	2400.2	2409.7	2421.4	2433.0	2448.1	2463.2	2478.2	2493.2	2510.3	2527.6
2245.3	5°	2258.3	2271.4	2290.1	2308.7	2333.0	2357.1	2383.8	2410.5	2440.6	2470.8
2157.8	7.5°	2173.3	2188.8	2210.9	2233.1	2262.6	2292.3	2325.9	2359.4	2399.2	2439.0
2131.3	10°	2148.8	2166.1	2192.7	2219.1	2252.5	2285.8	2322.0	2358.1	2397.9	2437.7
2170.4	12.5°	2192.8	2215.2	2249.0	2282.8	2317.2	2351.8	2380.0	2408.5	2434.7	2461.2
2251.3	15°	2285.3	2319.3	2367.5	2415.6	2445.6	2475.5	2482.9	2490.2	2486.7	2483.1
2329.1	17.5°	2379.2	2429.4	2493.1	2556.9	2581.0	2605.2	2582.2	2559.1	2515.7	2472.3
2376.3	20°	2437.7	2499.2	2572.0	2645.0	2656.2	2667.3	2619.1	2570.8	2495.4	2420.1
2378.0	22.5°	2441.4	2504.7	2574.3	2644.0	2637.3	2630.5	2567.8	2505.0	2418.8	2332.9
2329.9	25°	2386.0	2442.3	2499.3	2556.4	2533.4	2510.3	2448.6	2386.8	2309.4	2232.1
2235.6	27.5°	2279.2	2322.9	2363.5	2404.2	2378.4	2352.8	2303.2	2253.7	2190.2	2126.6
2119.3	30°	2150.8	2182.0	2213.1	2244.0	2223.1	2202.2	2161.0	2119.9	2067.2	2014.5
2002.7	32.5°	2027.7	2052.7	2081.2	2109.7	2086.4	2063.2	2023.7	1984.3	1942.2	1900.1
1899.8	35°	1922.8	1945.8	1966.0	1986.3	1958.5	1930.6	1891.5	1852.5	1820.5	1788.3
1812.2	37.5°	1833.5	1854.7	1864.1	1873.4	1839.0	1804.6	1765.6	1726.7	1703.7	1680.6
1731.9	40°	1749.9	1767.9	1765.8	1763.5	1723.8	1684.2	1646.6	1609.0	1592.3	1575.7
1650.5	42.5°	1665.7	1680.9	1669.5	1658.0	1615.2	1572.4	1536.7	1501.1	1487.5	1474.0
1570.5	45°	1584.1	1597.8	1581.4	1565.0	1520.6	1476.2	1442.4	1408.6	1397.0	1385.7
1507.1	47.5°	1516.6	1526.2	1507.3	1488.4	1444.6	1400.8	1367.8	1334.7	1324.0	1313.3
1469.3	50°	1469.7	1470.3	1446.0	1421.7	1382.5	1343.3	1312.2	1280.9	1264.1	1247.4
1443.8	52.5°	1438.6	1433.5	1404.7	1376.0	1339.3	1302.8	1274.3	1245.6	1220.6	1195.4
1419.9	55°	1412.8	1405.6	1375.1	1344.6	1312.7	1280.6	1249.8	1219.0	1183.3	1147.6
1394.7	57.5°	1387.4	1380.1	1349.5	1318.7	1287.0	1255.4	1219.2	1182.9	1144.5	1106.1
1359.5	60°	1351.6	1343.6	1312.8	1281.9	1249.7	1217.6	1176.0	1134.4	1100.8	1067.0
1303.5	62.5°	1295.9	1288.2	1259.9	1231.7	1197.4	1163.0	1114.5	1066.0	1044.7	1023.3
1227.9	65°	1220.2	1212.3	1187.4	1162.5	1129.7	1096.9	1044.9	992.9	984.8	976.5
1141.7	67.5°	1134.1	1126.4	1104.9	1083.5	1052.4	1021.3	973.2	925.3	927.8	930.4
1049.4	70°	1042.1	1034.7	1015.3	995.9	969.0	942.2	900.0	857.8	866.8	875.7
947.9	72.5°	939.2	930.4	911.4	892.4	868.2	843.9	810.7	777.5	790.6	803.7
827.0	75°	817.8	808.7	791.3	774.0	752.0	730.1	705.4	680.7	693.3	705.9
709.6	77.5°	701.0	692.5	674.3	656.1	637.2	618.3	598.3	578.2	591.0	603.7
577.0	80°	565.7	554.4	540.6	526.8	510.9	495.0	478.4	461.6	472.4	483.0
430.8	82.5°	411.5	392.2	362.7	333.3	338.9	344.4	345.8	347.2	354.8	362.3
273.6	85°	249.7	225.8	198.2	170.6	186.0	201.5	208.7	215.9	224.4	232.8
118.6	87.5°	108.9	99.3	87.7	76.1	87.9	99.7	100.0	100.3	101.9	103.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2592.7	0°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2546.6	2.5°	2565.7	2589.2	2610.4	2632.3	2654.2	2677.1	2700.0	2722.7	2745.4	2766.8
2507.0	5°	2543.0	2584.3	2626.1	2670.3	2714.6	2762.0	2809.4	2856.5	2903.6	2950.9
2486.9	7.5°	2534.8	2588.2	2645.3	2707.0	2768.8	2839.0	2909.1	2981.1	3053.2	3131.1
2488.3	10°	2538.8	2596.2	2666.5	2739.8	2812.8	2898.1	2983.2	3078.3	3173.6	3272.1
2502.4	12.5°	2543.8	2597.2	2671.1	2753.8	2836.5	2937.0	3037.4	3145.3	3253.1	3361.4
2502.8	15°	2522.6	2565.4	2647.2	2743.0	2838.7	2954.4	3070.1	3187.1	3304.1	3417.0
2465.2	17.5°	2457.9	2484.3	2580.6	2695.7	2810.8	2945.1	3079.4	3207.1	3334.7	3449.2
2386.3	20°	2352.5	2359.4	2471.5	2614.2	2756.9	2919.7	3082.4	3222.7	3363.0	3482.1
2282.8	22.5°	2232.8	2219.1	2346.8	2518.6	2690.4	2888.4	3086.4	3243.8	3401.1	3522.8
2174.4	25°	2116.7	2079.9	2210.7	2411.9	2613.1	2857.6	3102.1	3282.0	3461.8	3580.9
2070.9	27.5°	2015.2	1970.4	2089.5	2314.3	2539.0	2837.0	3134.9	3341.7	3548.3	3662.0
1970.1	30°	1925.9	1890.8	1990.8	2232.7	2474.5	2827.3	3179.9	3419.0	3658.1	3767.8
1873.9	32.5°	1847.7	1832.1	1912.7	2162.3	2411.9	2815.4	3218.7	3499.7	3780.6	3889.3
1781.1	35°	1773.9	1780.4	1847.5	2093.2	2338.8	2792.9	3247.2	3591.6	3936.0	4040.2
1688.6	37.5°	1696.5	1720.2	1778.9	2011.8	2244.7	2754.4	3264.1	3694.6	4125.1	4257.8
1593.7	40°	1611.7	1648.1	1701.3	1914.7	2128.1	2701.4	3274.7	3825.3	4375.8	4569.2
1497.8	42.5°	1521.7	1567.5	1616.5	1807.5	1998.6	2646.6	3294.9	3996.3	4697.7	4976.9
1408.9	45°	1432.2	1476.4	1526.2	1693.7	1861.3	2595.8	3330.4	4221.4	5112.3	5488.9
1332.8	47.5°	1352.3	1390.4	1454.6	1603.7	1752.8	2553.8	3354.8	4461.2	5567.5	6097.6
1264.6	50°	1281.9	1326.2	1410.6	1543.9	1677.2	2508.1	3338.9	4683.6	6028.3	6827.4
1212.4	52.5°	1229.5	1291.4	1388.4	1504.5	1620.7	2430.8	3240.9	4828.1	6415.2	7594.1
1174.6	55°	1201.6	1294.9	1385.1	1475.9	1566.8	2302.6	3038.4	4796.2	6553.9	8273.8
1145.5	57.5°	1184.9	1298.4	1377.9	1442.1	1506.3	2121.9	2737.5	4572.2	6407.0	8755.6
1118.2	60°	1169.2	1287.4	1339.9	1390.4	1440.8	1887.3	2333.9	4155.2	5976.6	8876.0
1087.0	62.5°	1150.9	1260.5	1267.0	1300.4	1334.0	1606.6	1879.2	3591.4	5303.6	8369.0
1044.5	65°	1112.3	1195.9	1195.1	1210.9	1226.7	1354.0	1481.2	3016.2	4551.2	7651.8
986.9	67.5°	1043.5	1090.4	1092.6	1083.9	1075.0	1111.2	1147.3	2452.6	3758.0	6798.3
915.9	70°	956.1	971.5	971.5	930.6	889.6	879.4	869.1	1931.1	2993.2	5867.0
831.2	72.5°	858.8	858.6	848.9	790.9	732.7	701.5	670.4	1476.3	2282.3	4857.3
727.2	75°	748.4	752.1	707.2	642.1	577.0	548.8	520.5	1071.5	1622.5	3700.0
620.7	77.5°	637.7	639.7	565.6	502.4	439.3	419.9	400.7	726.1	1051.4	2589.6
497.4	80°	511.6	511.9	423.3	369.9	316.4	308.4	300.5	467.8	635.2	1668.5
369.3	82.5°	376.3	372.1	296.5	257.1	217.7	216.1	214.7	287.7	361.0	965.7
240.3	85°	247.7	242.3	186.0	157.2	128.3	129.1	129.8	153.8	177.9	434.4
106.5	87.5°	109.4	102.5	79.1	67.3	55.5	56.2	56.9	63.8	70.6	142.3
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°
2592.7	0°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2788.2	2.5°	2798.8	2809.4	2824.4	2839.5	2848.4	2857.4	2861.8	2866.3	2864.3	2866.3
2998.1	5°	3035.1	3072.1	3108.7	3145.4	3165.3	3185.2	3197.2	3209.4	3218.5	3209.4
3209.1	7.5°	3269.2	3329.2	3383.2	3437.2	3469.7	3502.3	3519.9	3537.4	3545.8	3537.4
3370.7	10°	3441.8	3512.8	3576.2	3639.6	3678.0	3716.2	3733.3	3750.3	3756.8	3750.3
3469.7	12.5°	3546.7	3623.6	3681.0	3738.1	3765.9	3793.8	3803.1	3812.5	3813.5	3812.5
3529.9	15°	3596.4	3662.7	3698.7	3734.7	3735.7	3736.7	3726.7	3716.8	3705.0	3716.8
3563.8	17.5°	3608.6	3653.5	3654.2	3654.8	3614.5	3574.2	3537.3	3500.3	3474.2	3500.3
3601.1	20°	3616.7	3632.4	3585.1	3537.9	3448.9	3360.0	3295.2	3230.5	3190.7	3230.5
3644.3	22.5°	3623.8	3603.4	3505.5	3407.6	3276.7	3145.9	3064.9	2983.9	2939.9	2983.9
3700.1	25°	3635.4	3570.7	3422.1	3273.4	3114.6	2955.7	2870.5	2785.5	2744.0	2785.5
3775.7	27.5°	3660.1	3544.4	3347.5	3150.7	2974.6	2798.5	2714.7	2631.0	2591.7	2631.0
3877.6	30°	3705.2	3532.9	3290.6	3048.2	2864.7	2681.3	2603.6	2525.9	2489.3	2525.9
3998.0	32.5°	3761.9	3525.9	3251.8	2977.6	2805.1	2632.7	2571.7	2510.6	2484.3	2510.6
4144.3	35°	3855.4	3566.5	3280.8	2995.2	2875.4	2755.7	2741.5	2727.2	2725.0	2727.2
4390.5	37.5°	4050.7	3710.8	3451.1	3191.5	3183.7	3175.9	3241.0	3306.1	3339.9	3306.1
4762.6	40°	4393.0	4023.4	3830.3	3637.2	3773.5	3909.8	4068.0	4226.2	4305.0	4226.2
5256.1	42.5°	4889.4	4522.6	4411.4	4300.2	4597.5	4894.7	5182.5	5470.2	5639.1	5470.2
5865.5	45°	5536.1	5206.5	5157.5	5108.3	5584.6	6061.0	6533.7	7006.6	7293.7	7006.6
6627.6	47.5°	6307.1	5986.5	5976.6	5966.6	6653.7	7340.6	8032.8	8724.8	9131.2	8724.8
7626.5	50°	7230.6	6834.8	6836.5	6838.2	7723.7	8609.1	9522.7	10436.4	10988.7	10436.4
8773.1	52.5°	8293.7	7814.5	7766.0	7717.5	8775.2	9832.9	10963.3	12093.6	12755.7	12093.6
9993.8	55°	9520.3	9046.7	8857.7	8668.8	9846.0	11023.1	12370.7	13718.3	14505.7	13718.3
11104.1	57.5°	10846.3	10588.3	10209.3	9830.5	11019.1	12207.7	13734.1	15260.4	16236.9	15260.4
11775.2	60°	12175.8	12576.4	12105.8	11635.2	12760.1	13884.9	15519.1	17153.4	18208.8	17153.4
11434.5	62.5°	12529.0	13623.4	13570.4	13517.3	14547.7	15578.2	17133.1	18687.8	19663.3	18687.8
10752.4	65°	11779.7	12806.9	13010.2	13213.3	14522.8	15832.4	17340.1	18847.7	19678.2	18847.7
9838.6	67.5°	10815.6	11792.6	11887.9	11983.1	13347.6	14711.9	16226.0	17740.2	18390.8	17740.2
8740.7	70°	9803.4	10866.2	10908.7	10951.4	12171.6	13391.6	14694.7	15997.6	16359.2	15997.6
7432.4	72.5°	8651.9	9871.5	9902.1	9932.6	10887.3	11841.9	12817.8	13793.6	13830.2	13793.6
5777.4	75°	7039.6	8301.7	8415.0	8528.3	9271.0	10013.7	10700.7	11387.7	11203.6	11387.7
4127.9	77.5°	5306.0	6484.3	6646.5	6808.6	7373.2	7937.9	8425.1	8912.4	8596.0	8912.4
2701.7	80°	3692.9	4684.0	4885.6	5087.2	5513.6	5939.8	6195.7	6451.5	5942.6	6451.5
1570.5	82.5°	2248.1	2925.8	3151.0	3376.2	3669.7	3963.2	4070.0	4176.6	3776.7	4176.6
691.0	85°	1050.6	1410.3	1601.8	1793.3	2034.5	2275.5	2336.1	2396.7	2076.4	2396.7
213.9	87.5°	334.8	455.7	562.5	669.4	790.0	910.5	915.7	920.8	773.0	920.8
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°
2592.7	0°	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7	2592.7
2861.8	2.5°	2857.4	2848.4	2839.5	2824.4	2809.4	2798.8	2788.2
3197.2	5°	3185.2	3165.3	3145.4	3108.7	3072.1	3035.1	2998.1
3519.9	7.5°	3502.3	3469.7	3437.2	3383.2	3329.2	3269.2	3209.1
3733.3	10°	3716.2	3678.0	3639.6	3576.2	3512.8	3441.8	3370.7
3803.1	12.5°	3793.8	3765.9	3738.1	3681.0	3623.6	3546.7	3469.7
3726.7	15°	3736.7	3735.7	3734.7	3698.7	3662.7	3596.4	3529.9
3537.3	17.5°	3574.2	3614.5	3654.8	3654.2	3653.5	3608.6	3563.8
3295.2	20°	3360.0	3448.9	3537.9	3585.1	3632.4	3616.7	3601.1
3064.9	22.5°	3145.9	3276.7	3407.6	3505.5	3603.4	3623.8	3644.3
2870.5	25°	2955.7	3114.6	3273.4	3422.1	3570.7	3635.4	3700.1
2714.7	27.5°	2798.5	2974.6	3150.7	3347.5	3544.4	3660.1	3775.7
2603.6	30°	2681.3	2864.7	3048.2	3290.6	3532.9	3705.2	3877.6
2571.7	32.5°	2632.7	2805.1	2977.6	3251.8	3525.9	3761.9	3998.0
2741.5	35°	2755.7	2875.4	2995.2	3280.8	3566.5	3855.4	4144.3
3241.0	37.5°	3175.9	3183.7	3191.5	3451.1	3710.8	4050.7	4390.5
4068.0	40°	3909.8	3773.5	3637.2	3830.3	4023.4	4393.0	4762.6
5182.5	42.5°	4894.7	4597.5	4300.2	4411.4	4522.6	4889.4	5256.1
6533.7	45°	6061.0	5584.6	5108.3	5157.5	5206.5	5536.1	5865.5
8032.8	47.5°	7340.6	6653.7	5966.6	5976.6	5986.5	6307.1	6627.6
9522.7	50°	8609.1	7723.7	6838.2	6836.5	6834.8	7230.6	7626.5
10963.3	52.5°	9832.9	8775.2	7717.5	7766.0	7814.5	8293.7	8773.1
12370.7	55°	11023.1	9846.0	8668.8	8857.7	9046.7	9520.3	9993.8
13734.1	57.5°	12207.7	11019.1	9830.5	10209.3	10588.3	10846.3	11104.1
15519.1	60°	13884.9	12760.1	11635.2	12105.8	12576.4	12175.8	11775.2
17133.1	62.5°	15578.2	14547.7	13517.3	13570.4	13623.4	12529.0	11434.5
17340.1	65°	15832.4	14522.8	13213.3	13010.2	12806.9	11779.7	10752.4
16226.0	67.5°	14711.9	13347.6	11983.1	11887.9	11792.6	10815.6	9838.6
14694.7	70°	13391.6	12171.6	10951.4	10908.7	10866.2	9803.4	8740.7
12817.8	72.5°	11841.9	10887.3	9932.6	9902.1	9871.5	8651.9	7432.4
10700.7	75°	10013.7	9271.0	8528.3	8415.0	8301.7	7039.6	5777.4
8425.1	77.5°	7937.9	7373.2	6808.6	6646.5	6484.3	5306.0	4127.9
6195.7	80°	5939.8	5513.6	5087.2	4885.6	4684.0	3692.9	2701.7
4070.0	82.5°	3963.2	3669.7	3376.2	3151.0	2925.8	2248.1	1570.5
2336.1	85°	2275.5	2034.5	1793.3	1601.8	1410.3	1050.6	691.0
915.7	87.5°	910.5	790.0	669.4	562.5	455.7	334.8	213.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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