

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: P950176

Luminaire Tested: **GALN-SB4C-950-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950176
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-SB4C-950-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20805 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

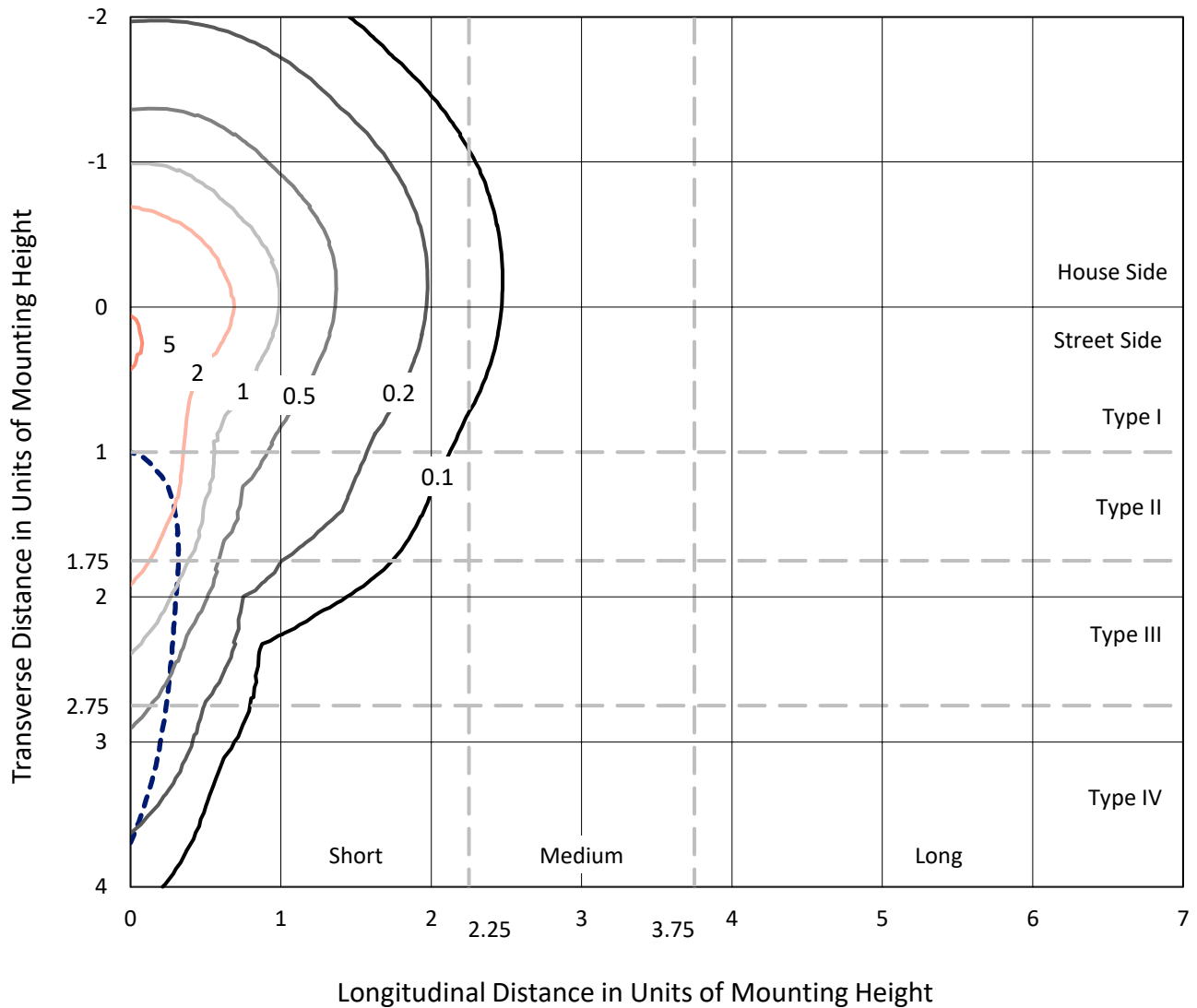
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

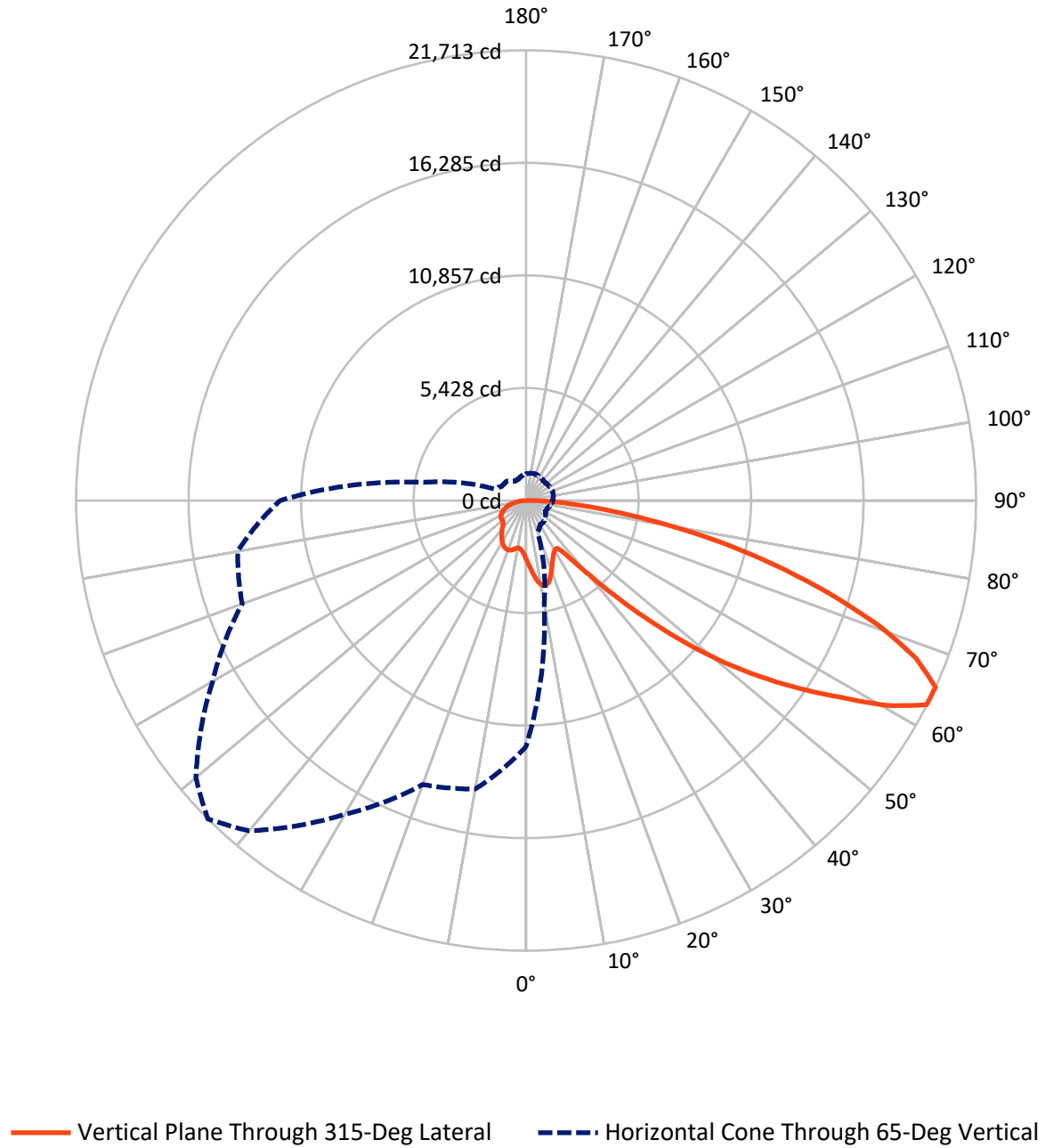
× Max cd
 - - - 1/2 Max cd



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	5287.6	0.0	5287.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15517.4	0.0	15517.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	20805.0	0.0	20805.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	1.4
10°-20°	890.9	4.3
20°-30°	1376.1	6.6
30°-40°	1743.9	8.4
40°-50°	2630.2	12.6
50°-60°	4249.5	20.4
60°-70°	5297.7	25.5
70°-80°	3474.0	16.7
80°-90°	858.9	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°	20805.0	100.0
0°-180°	20805.0	100.0



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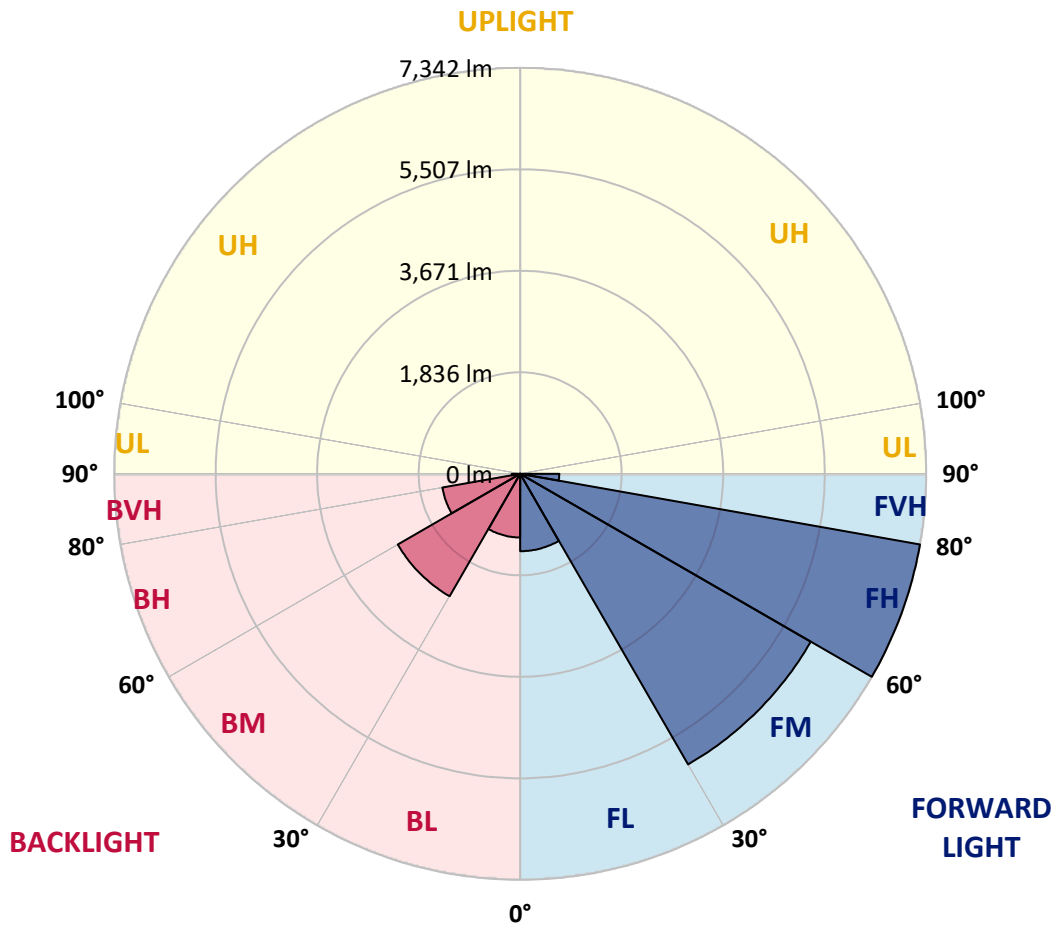
CATALOG NUMBER: GALN-SB4C-950-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1399.4	6.7			
FM (30°-60°)	6068.4	29.2			
FH (60°-80°)	7342.2	35.3			G3/7500
FVH (80°-90°)	707.5	3.4			G4/750
BL (0°-30°)	1151.4	5.5	B3/2500		
BM (30°-60°)	2555.3	12.3	B3/5000		
BH (60°-80°)	1429.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	151.3	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°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
2.5°	3076.6	3053.0	3029.4	3004.2	2979.2	2954.0	2928.7	2904.6	2880.4	2857.0
5°	3308.2	3256.1	3203.9	3151.9	3100.0	3047.6	2995.3	2946.5	2897.6	2851.5
7.5°	3541.0	3454.9	3368.9	3289.4	3210.0	3132.6	3055.2	2987.0	2918.8	2855.9
10°	3719.3	3610.6	3501.8	3396.7	3291.8	3197.8	3103.7	3023.1	2942.3	2864.7
12.5°	3828.6	3709.0	3589.6	3470.6	3351.6	3240.7	3129.8	3038.6	2947.4	2865.8
15°	3895.0	3770.4	3645.8	3516.7	3387.6	3259.9	3132.2	3026.6	2921.0	2830.7
17.5°	3932.3	3806.0	3679.6	3538.8	3397.9	3249.7	3101.5	2974.5	2847.5	2741.2
20°	3973.5	3842.2	3710.8	3556.0	3401.2	3221.6	3042.0	2884.6	2727.2	2603.4
22.5°	4021.2	3887.1	3752.8	3579.3	3405.6	3187.1	2968.7	2779.1	2589.5	2448.6
25°	4082.7	3951.2	3819.8	3621.4	3422.9	3153.1	2883.4	2661.3	2439.3	2295.0
27.5°	4166.2	4040.8	3915.3	3687.3	3459.2	3130.4	2801.6	2553.6	2305.6	2174.2
30°	4278.7	4157.5	4036.4	3772.6	3508.8	3119.7	2730.4	2463.6	2196.7	2086.4
32.5°	4411.5	4291.5	4171.6	3861.6	3551.6	3106.6	2661.3	2386.0	2110.5	2021.6
35°	4572.9	4458.1	4343.1	3963.1	3583.0	3081.7	2580.7	2309.7	2038.6	1964.5
37.5°	4844.6	4698.1	4551.7	4076.7	3601.7	3039.3	2476.9	2219.9	1962.9	1898.1
40°	5255.2	5041.8	4828.3	4220.9	3613.4	2980.7	2348.2	2112.7	1877.2	1818.5
42.5°	5799.7	5491.6	5183.6	4409.6	3635.7	2920.4	2205.3	1994.5	1783.7	1729.6
45°	6472.1	6056.6	5641.0	4658.0	3674.9	2864.3	2053.8	1868.9	1684.0	1629.1
47.5°	7313.0	6728.2	6143.3	4922.5	3701.8	2817.9	1934.1	1769.5	1605.0	1534.2
50°	8415.2	7533.5	6651.8	5168.0	3684.2	2767.4	1850.7	1703.6	1556.5	1463.4
52.5°	9680.4	8379.5	7078.6	5327.4	3576.1	2682.1	1788.3	1660.1	1532.0	1424.9
55°	11027.4	9129.5	7231.8	5292.3	3352.7	2540.7	1728.8	1628.6	1528.4	1428.8
57.5°	12252.5	9661.1	7069.6	5045.0	3020.6	2341.4	1662.1	1591.3	1520.5	1432.6
60°	12993.0	9793.9	6594.7	4585.0	2575.2	2082.5	1589.8	1534.2	1478.5	1420.6
62.5°	12617.0	9234.6	5852.2	3962.8	2073.5	1772.7	1471.9	1434.9	1398.0	1390.9
65°	11864.5	8443.2	5021.9	3328.1	1634.4	1494.0	1353.6	1336.1	1318.7	1319.6
67.5°	10856.1	7501.4	4146.6	2706.3	1266.0	1226.1	1186.2	1195.9	1205.6	1203.2
70°	9644.7	6473.7	3302.7	2130.8	958.9	970.3	981.7	1026.9	1072.0	1072.0
72.5°	8201.1	5359.7	2518.4	1629.0	739.7	774.1	808.5	872.6	936.6	947.4
75°	6374.9	4082.6	1790.3	1182.3	574.4	605.5	636.7	708.5	780.3	829.9
77.5°	4554.8	2857.5	1160.2	801.2	442.2	463.4	484.7	554.4	624.1	705.9
80°	2981.1	1841.0	700.9	516.2	331.5	340.3	349.1	408.2	467.1	564.8
82.5°	1732.9	1065.5	398.3	317.5	236.9	238.4	240.2	283.7	327.1	410.6
85°	762.4	479.3	196.3	169.7	143.3	142.5	141.6	173.5	205.3	267.3
87.5°	236.0	157.0	77.9	70.4	62.8	62.0	61.3	74.2	87.3	113.1
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°
2860.9	0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
2831.0	2.5°	2809.9	2789.0	2770.0	2751.1	2734.5	2717.9	2701.2	2684.7	2671.8	2658.9
2806.0	5°	2766.2	2726.4	2693.0	2659.7	2630.3	2600.9	2574.2	2547.4	2526.9	2506.3
2797.0	7.5°	2744.1	2691.3	2647.3	2603.4	2566.4	2529.3	2496.6	2464.0	2439.5	2415.2
2801.4	10°	2745.6	2689.8	2645.9	2602.0	2562.2	2522.2	2485.4	2448.6	2419.4	2390.1
2806.9	12.5°	2761.2	2715.7	2686.5	2657.6	2626.2	2595.0	2556.9	2518.9	2481.6	2444.3
2783.5	15°	2761.6	2739.9	2743.8	2747.8	2739.7	2731.5	2698.5	2665.5	2612.3	2559.2
2712.1	17.5°	2720.1	2728.0	2775.9	2823.8	2849.2	2874.6	2847.9	2821.3	2751.0	2680.6
2595.7	20°	2633.1	2670.4	2753.5	2836.7	2890.0	2943.2	2930.9	2918.5	2838.0	2757.7
2463.7	22.5°	2518.9	2574.1	2669.0	2764.0	2833.3	2902.6	2910.0	2917.4	2840.6	2763.7
2335.6	25°	2399.2	2462.9	2548.2	2633.6	2701.8	2770.0	2795.4	2820.8	2757.8	2694.9
2223.6	27.5°	2285.1	2346.5	2416.7	2486.7	2541.4	2596.1	2624.4	2652.8	2607.9	2563.1
2125.1	30°	2173.9	2222.8	2281.0	2339.2	2384.5	2430.0	2453.0	2476.1	2441.9	2407.7
2038.8	32.5°	2067.7	2096.6	2143.0	2189.6	2233.0	2276.6	2302.2	2327.9	2296.5	2265.0
1957.4	35°	1965.3	1973.3	2008.8	2044.1	2087.1	2130.3	2161.0	2191.8	2169.4	2147.1
1872.0	37.5°	1863.2	1854.4	1879.9	1905.2	1948.2	1991.2	2029.2	2067.2	2056.8	2046.5
1778.4	40°	1758.6	1738.7	1757.0	1775.4	1816.9	1858.4	1902.0	1945.9	1948.4	1950.8
1679.1	42.5°	1652.7	1626.4	1641.3	1656.4	1695.7	1735.1	1782.3	1829.5	1842.1	1854.7
1580.3	45°	1554.6	1529.0	1541.5	1554.3	1591.6	1628.9	1677.9	1726.8	1745.0	1763.1
1492.1	47.5°	1470.6	1449.1	1461.0	1472.7	1509.3	1545.7	1594.0	1642.3	1663.2	1684.0
1414.5	50°	1395.4	1376.4	1394.9	1413.4	1447.9	1482.2	1525.5	1568.8	1595.5	1622.3
1356.7	52.5°	1337.8	1319.0	1346.8	1374.4	1406.1	1437.6	1477.9	1518.3	1550.0	1581.7
1325.9	55°	1296.1	1266.3	1305.7	1345.0	1379.1	1413.1	1448.4	1483.7	1517.3	1551.0
1307.5	57.5°	1264.0	1220.5	1262.9	1305.3	1345.2	1385.2	1420.1	1455.1	1489.1	1522.9
1290.1	60°	1233.8	1177.4	1214.6	1251.7	1297.6	1343.5	1378.9	1414.5	1448.5	1482.6
1269.9	62.5°	1199.5	1129.1	1152.7	1176.3	1229.8	1283.3	1321.2	1359.1	1390.3	1421.4
1227.3	65°	1152.5	1077.5	1086.6	1095.6	1152.9	1210.3	1246.6	1282.8	1310.2	1337.7
1151.4	67.5°	1089.0	1026.7	1023.8	1021.0	1073.9	1126.9	1161.3	1195.5	1219.2	1242.9
1055.0	70°	1010.6	966.3	956.4	946.5	993.1	1039.6	1069.3	1098.9	1120.3	1141.7
947.6	72.5°	917.2	886.8	872.3	857.9	894.6	931.2	957.9	984.7	1005.7	1026.7
825.8	75°	802.4	778.9	765.1	751.1	778.3	805.6	829.8	854.1	873.2	892.3
703.7	77.5°	684.9	666.1	652.1	638.0	660.2	682.3	703.1	724.0	744.1	764.1
564.5	80°	548.8	533.0	521.2	509.4	527.8	546.2	563.7	581.3	596.5	611.7
415.2	82.5°	407.5	399.8	391.5	383.1	381.6	380.1	373.9	367.8	400.3	432.8
273.4	85°	265.1	256.9	247.6	238.2	230.3	222.3	205.3	188.3	218.7	249.2
120.8	87.5°	117.5	114.2	112.4	110.7	110.3	110.0	97.0	84.0	96.7	109.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2860.9	0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
2648.4	2.5°	2638.0	2629.9	2621.8	2614.3	2606.7	2597.4	2606.7	2614.3	2621.8	2629.9
2491.9	5°	2477.5	2467.3	2457.1	2449.3	2441.5	2433.8	2441.5	2449.3	2457.1	2467.3
2398.0	7.5°	2380.9	2369.2	2357.5	2350.5	2343.6	2338.3	2343.6	2350.5	2357.5	2369.2
2371.0	10°	2351.7	2340.6	2329.5	2323.6	2317.7	2315.3	2317.7	2323.6	2329.5	2340.6
2419.6	12.5°	2394.9	2382.4	2370.2	2365.1	2360.1	2359.2	2360.1	2365.1	2370.2	2382.4
2521.6	15°	2484.1	2466.9	2449.7	2443.2	2436.6	2436.0	2436.6	2443.2	2449.7	2466.9
2625.3	17.5°	2569.9	2544.5	2518.9	2510.6	2502.1	2500.8	2502.1	2510.6	2518.9	2544.5
2689.8	20°	2622.1	2589.5	2556.8	2546.3	2535.9	2532.6	2535.9	2546.3	2556.8	2589.5
2693.9	22.5°	2624.0	2589.6	2555.1	2543.6	2532.1	2527.1	2532.1	2543.6	2555.1	2589.6
2632.7	25°	2570.8	2541.0	2511.2	2500.3	2489.6	2483.2	2489.6	2500.3	2511.2	2541.0
2514.9	27.5°	2466.8	2446.8	2426.7	2421.7	2416.8	2415.2	2416.8	2421.7	2426.7	2446.8
2373.2	30°	2338.5	2328.3	2318.0	2318.0	2318.0	2319.7	2318.0	2318.0	2318.0	2328.3
2237.4	32.5°	2209.9	2203.2	2196.5	2197.4	2198.3	2200.0	2198.3	2197.4	2196.5	2203.2
2121.6	35°	2096.2	2086.0	2075.9	2073.7	2071.5	2070.5	2071.5	2073.7	2075.9	2086.0
2023.1	37.5°	1999.6	1981.1	1962.6	1952.9	1943.1	1937.6	1943.1	1952.9	1962.6	1981.1
1930.9	40°	1911.1	1884.0	1857.3	1839.0	1821.0	1810.3	1821.0	1839.0	1857.3	1884.0
1837.9	42.5°	1821.3	1787.8	1754.3	1727.8	1701.4	1684.0	1701.4	1727.8	1754.3	1787.8
1747.9	45°	1732.9	1694.6	1656.4	1625.3	1594.2	1574.2	1594.2	1625.3	1656.4	1694.6
1673.5	47.5°	1662.9	1628.9	1594.9	1566.1	1537.5	1518.3	1537.5	1566.1	1594.9	1628.9
1621.7	50°	1621.2	1594.0	1566.8	1540.2	1513.6	1495.2	1513.6	1540.2	1566.8	1594.0
1587.4	52.5°	1593.1	1571.0	1548.8	1525.0	1501.2	1484.2	1501.2	1525.0	1548.8	1571.0
1558.9	55°	1566.8	1547.5	1528.1	1507.3	1486.4	1471.1	1486.4	1507.3	1528.1	1547.5
1530.9	57.5°	1538.9	1519.4	1499.8	1479.2	1458.4	1442.5	1458.4	1479.2	1499.8	1519.4
1491.4	60°	1500.1	1481.0	1462.0	1440.8	1419.5	1403.0	1419.5	1440.8	1462.0	1481.0
1429.9	62.5°	1438.3	1421.1	1403.9	1381.5	1359.1	1339.3	1359.1	1381.5	1403.9	1421.1
1346.3	65°	1354.9	1338.3	1321.8	1300.0	1278.4	1261.4	1278.4	1300.0	1321.8	1338.3
1251.4	67.5°	1259.7	1244.5	1229.3	1209.1	1188.9	1173.5	1188.9	1209.1	1229.3	1244.5
1149.8	70°	1158.0	1145.6	1133.1	1113.8	1094.5	1076.9	1094.5	1113.8	1133.1	1145.6
1036.3	72.5°	1046.0	1035.7	1025.3	1006.9	988.6	971.6	988.6	1006.9	1025.3	1035.7
902.4	75°	912.5	907.4	902.4	886.9	871.4	855.2	871.4	886.9	902.4	907.4
773.5	77.5°	783.0	775.9	768.7	753.1	737.5	724.5	737.5	753.1	768.7	775.9
624.2	80°	636.7	633.7	630.7	609.7	588.6	564.3	588.6	609.7	630.7	633.7
454.1	82.5°	475.3	474.0	472.6	454.9	437.1	421.6	437.1	454.9	472.6	474.0
275.5	85°	301.9	299.7	297.5	283.7	269.8	255.8	269.8	283.7	297.5	299.7
120.2	87.5°	130.9	128.2	125.4	118.3	111.1	104.3	111.1	118.3	125.4	128.2
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°
2860.9	0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
2638.0	2.5°	2648.4	2658.9	2671.8	2684.7	2701.2	2717.9	2734.5	2751.1	2770.0	2789.0
2477.5	5°	2491.9	2506.3	2526.9	2547.4	2574.2	2600.9	2630.3	2659.7	2693.0	2726.4
2380.9	7.5°	2398.0	2415.2	2439.5	2464.0	2496.6	2529.3	2566.4	2603.4	2647.3	2691.3
2351.7	10°	2371.0	2390.1	2419.4	2448.6	2485.4	2522.2	2562.2	2602.0	2645.9	2689.8
2394.9	12.5°	2419.6	2444.3	2481.6	2518.9	2556.9	2595.0	2626.2	2657.6	2686.5	2715.7
2484.1	15°	2521.6	2559.2	2612.3	2665.5	2698.5	2731.5	2739.7	2747.8	2743.8	2739.9
2569.9	17.5°	2625.3	2680.6	2751.0	2821.3	2847.9	2874.6	2849.2	2823.8	2775.9	2728.0
2622.1	20°	2689.8	2757.7	2838.0	2918.5	2930.9	2943.2	2890.0	2836.7	2753.5	2670.4
2624.0	22.5°	2693.9	2763.7	2840.6	2917.4	2910.0	2902.6	2833.3	2764.0	2669.0	2574.1
2570.8	25°	2632.7	2694.9	2757.8	2820.8	2795.4	2770.0	2701.8	2633.6	2548.2	2462.9
2466.8	27.5°	2514.9	2563.1	2607.9	2652.8	2624.4	2596.1	2541.4	2486.7	2416.7	2346.5
2338.5	30°	2373.2	2407.7	2441.9	2476.1	2453.0	2430.0	2384.5	2339.2	2281.0	2222.8
2209.9	32.5°	2237.4	2265.0	2296.5	2327.9	2302.2	2276.6	2233.0	2189.6	2143.0	2096.6
2096.2	35°	2121.6	2147.1	2169.4	2191.8	2161.0	2130.3	2087.1	2044.1	2008.8	1973.3
1999.6	37.5°	2023.1	2046.5	2056.8	2067.2	2029.2	1991.2	1948.2	1905.2	1879.9	1854.4
1911.1	40°	1930.9	1950.8	1948.4	1945.9	1902.0	1858.4	1816.9	1775.4	1757.0	1738.7
1821.3	42.5°	1837.9	1854.7	1842.1	1829.5	1782.3	1735.1	1695.7	1656.4	1641.3	1626.4
1732.9	45°	1747.9	1763.1	1745.0	1726.8	1677.9	1628.9	1591.6	1554.3	1541.5	1529.0
1662.9	47.5°	1673.5	1684.0	1663.2	1642.3	1594.0	1545.7	1509.3	1472.7	1461.0	1449.1
1621.2	50°	1621.7	1622.3	1595.5	1568.8	1525.5	1482.2	1447.9	1413.4	1394.9	1376.4
1593.1	52.5°	1587.4	1581.7	1550.0	1518.3	1477.9	1437.6	1406.1	1374.4	1346.8	1319.0
1566.8	55°	1558.9	1551.0	1517.3	1483.7	1448.4	1413.1	1379.1	1345.0	1305.7	1266.3
1538.9	57.5°	1530.9	1522.9	1489.1	1455.1	1420.1	1385.2	1345.2	1305.3	1262.9	1220.5
1500.1	60°	1491.4	1482.6	1448.5	1414.5	1378.9	1343.5	1297.6	1251.7	1214.6	1177.4
1438.3	62.5°	1429.9	1421.4	1390.3	1359.1	1321.2	1283.3	1229.8	1176.3	1152.7	1129.1
1354.9	65°	1346.3	1337.7	1310.2	1282.8	1246.6	1210.3	1152.9	1095.6	1086.6	1077.5
1259.7	67.5°	1251.4	1242.9	1219.2	1195.5	1161.3	1126.9	1073.9	1021.0	1023.8	1026.7
1158.0	70°	1149.8	1141.7	1120.3	1098.9	1069.3	1039.6	993.1	946.5	956.4	966.3
1046.0	72.5°	1036.3	1026.7	1005.7	984.7	957.9	931.2	894.6	857.9	872.3	886.8
912.5	75°	902.4	892.3	873.2	854.1	829.8	805.6	778.3	751.1	765.1	778.9
783.0	77.5°	773.5	764.1	744.1	724.0	703.1	682.3	660.2	638.0	652.1	666.1
636.7	80°	624.2	611.7	596.5	581.3	563.7	546.2	527.8	509.4	521.2	533.0
475.3	82.5°	454.1	432.8	400.3	367.8	373.9	380.1	381.6	383.1	391.5	399.8
301.9	85°	275.5	249.2	218.7	188.3	205.3	222.3	230.3	238.2	247.6	256.9
130.9	87.5°	120.2	109.6	96.7	84.0	97.0	110.0	110.3	110.7	112.4	114.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2860.9	0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
2809.9	2.5°	2831.0	2857.0	2880.4	2904.6	2928.7	2954.0	2979.2	3004.2	3029.4	3053.0
2766.2	5°	2806.0	2851.5	2897.6	2946.5	2995.3	3047.6	3100.0	3151.9	3203.9	3256.1
2744.1	7.5°	2797.0	2855.9	2918.8	2987.0	3055.2	3132.6	3210.0	3289.4	3368.9	3454.9
2745.6	10°	2801.4	2864.7	2942.3	3023.1	3103.7	3197.8	3291.8	3396.7	3501.8	3610.6
2761.2	12.5°	2806.9	2865.8	2947.4	3038.6	3129.8	3240.7	3351.6	3470.6	3589.6	3709.0
2761.6	15°	2783.5	2830.7	2921.0	3026.6	3132.2	3259.9	3387.6	3516.7	3645.8	3770.4
2720.1	17.5°	2712.1	2741.2	2847.5	2974.5	3101.5	3249.7	3397.9	3538.8	3679.6	3806.0
2633.1	20°	2595.7	2603.4	2727.2	2884.6	3042.0	3221.6	3401.2	3556.0	3710.8	3842.2
2518.9	22.5°	2463.7	2448.6	2589.5	2779.1	2968.7	3187.1	3405.6	3579.3	3752.8	3887.1
2399.2	25°	2335.6	2295.0	2439.3	2661.3	2883.4	3153.1	3422.9	3621.4	3819.8	3951.2
2285.1	27.5°	2223.6	2174.2	2305.6	2553.6	2801.6	3130.4	3459.2	3687.3	3915.3	4040.8
2173.9	30°	2125.1	2086.4	2196.7	2463.6	2730.4	3119.7	3508.8	3772.6	4036.4	4157.5
2067.7	32.5°	2038.8	2021.6	2110.5	2386.0	2661.3	3106.6	3551.6	3861.6	4171.6	4291.5
1965.3	35°	1957.4	1964.5	2038.6	2309.7	2580.7	3081.7	3583.0	3963.1	4343.1	4458.1
1863.2	37.5°	1872.0	1898.1	1962.9	2219.9	2476.9	3039.3	3601.7	4076.7	4551.7	4698.1
1758.6	40°	1778.4	1818.5	1877.2	2112.7	2348.2	2980.7	3613.4	4220.9	4828.3	5041.8
1652.7	42.5°	1679.1	1729.6	1783.7	1994.5	2205.3	2920.4	3635.7	4409.6	5183.6	5491.6
1554.6	45°	1580.3	1629.1	1684.0	1868.9	2053.8	2864.3	3674.9	4658.0	5641.0	6056.6
1470.6	47.5°	1492.1	1534.2	1605.0	1769.5	1934.1	2817.9	3701.8	4922.5	6143.3	6728.2
1395.4	50°	1414.5	1463.4	1556.5	1703.6	1850.7	2767.4	3684.2	5168.0	6651.8	7533.5
1337.8	52.5°	1356.7	1424.9	1532.0	1660.1	1788.3	2682.1	3576.1	5327.4	7078.6	8379.5
1296.1	55°	1325.9	1428.8	1528.4	1628.6	1728.8	2540.7	3352.7	5292.3	7231.8	9129.5
1264.0	57.5°	1307.5	1432.6	1520.5	1591.3	1662.1	2341.4	3020.6	5045.0	7069.6	9661.1
1233.8	60°	1290.1	1420.6	1478.5	1534.2	1589.8	2082.5	2575.2	4585.0	6594.7	9793.9
1199.5	62.5°	1269.9	1390.9	1398.0	1434.9	1471.9	1772.7	2073.5	3962.8	5852.2	9234.6
1152.5	65°	1227.3	1319.6	1318.7	1336.1	1353.6	1494.0	1634.4	3328.1	5021.9	8443.2
1089.0	67.5°	1151.4	1203.2	1205.6	1195.9	1186.2	1226.1	1266.0	2706.3	4146.6	7501.4
1010.6	70°	1055.0	1072.0	1072.0	1026.9	981.7	970.3	958.9	2130.8	3302.7	6473.7
917.2	72.5°	947.6	947.4	936.6	872.6	808.5	774.1	739.7	1629.0	2518.4	5359.7
802.4	75°	825.8	829.9	780.3	708.5	636.7	605.5	574.4	1182.3	1790.3	4082.6
684.9	77.5°	703.7	705.9	624.1	554.4	484.7	463.4	442.2	801.2	1160.2	2857.5
548.8	80°	564.5	564.8	467.1	408.2	349.1	340.3	331.5	516.2	700.9	1841.0
407.5	82.5°	415.2	410.6	327.1	283.7	240.2	238.4	236.9	317.5	398.3	1065.5
265.1	85°	273.4	267.3	205.3	173.5	141.6	142.5	143.3	169.7	196.3	479.3
117.5	87.5°	120.8	113.1	87.3	74.2	61.3	62.0	62.8	70.4	77.9	157.0
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°
2860.9	0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
3076.6	2.5°	3088.2	3100.0	3116.5	3133.1	3143.0	3152.9	3157.8	3162.8	3160.6	3162.8
3308.2	5°	3348.9	3389.8	3430.2	3470.7	3492.7	3514.6	3527.9	3541.3	3551.4	3541.3
3541.0	7.5°	3607.3	3673.5	3733.1	3792.7	3828.6	3864.5	3883.9	3903.2	3912.6	3903.2
3719.3	10°	3797.7	3876.1	3946.0	4016.0	4058.3	4100.5	4119.4	4138.2	4145.3	4138.2
3828.6	12.5°	3913.5	3998.4	4061.6	4124.7	4155.4	4186.1	4196.5	4206.8	4207.9	4206.8
3895.0	15°	3968.3	4041.6	4081.2	4120.9	4122.0	4123.1	4112.1	4101.2	4088.2	4101.2
3932.3	17.5°	3981.8	4031.3	4032.1	4032.8	3988.3	3943.8	3903.1	3862.3	3833.5	3862.3
3973.5	20°	3990.7	4008.1	3955.9	3903.8	3805.6	3707.5	3636.0	3564.6	3520.6	3564.6
4021.2	22.5°	3998.6	3976.0	3868.0	3760.0	3615.6	3471.2	3381.9	3292.5	3244.0	3292.5
4082.7	25°	4011.4	3940.0	3776.0	3612.0	3436.7	3261.3	3167.4	3073.6	3027.7	3073.6
4166.2	27.5°	4038.6	3910.9	3693.7	3476.5	3282.2	3087.9	2995.5	2903.1	2859.8	2903.1
4278.7	30°	4088.4	3898.3	3630.9	3363.4	3161.0	2958.6	2872.8	2787.1	2746.7	2787.1
4411.5	32.5°	4151.0	3890.6	3588.0	3285.5	3095.2	2905.0	2837.7	2770.3	2741.2	2770.3
4572.9	35°	4254.1	3935.4	3620.1	3304.9	3172.8	3040.7	3025.0	3009.3	3006.9	3009.3
4844.6	37.5°	4469.6	4094.6	3808.0	3521.5	3513.0	3504.4	3576.2	3648.0	3685.3	3648.0
5255.2	40°	4847.3	4439.5	4226.4	4013.3	4163.7	4314.1	4488.7	4663.2	4750.2	4663.2
5799.7	42.5°	5395.0	4990.4	4867.6	4744.9	5072.9	5401.0	5718.4	6035.9	6222.3	6035.9
6472.1	45°	6108.6	5745.0	5690.9	5636.7	6162.2	6687.8	7209.5	7731.3	8048.0	7731.3
7313.0	47.5°	6959.4	6605.7	6594.7	6583.7	7341.9	8099.8	8863.5	9627.2	10075.6	9627.2
8415.2	50°	7978.4	7541.7	7543.5	7545.4	8522.4	9499.5	10507.6	11515.7	12125.2	11515.7
9680.4	52.5°	9151.5	8622.7	8569.2	8515.6	9682.7	10849.8	12097.1	13344.3	14074.9	13344.3
11027.4	55°	10504.8	9982.3	9773.8	9565.4	10864.3	12163.1	13650.0	15137.0	16005.9	15137.0
12252.5	57.5°	11968.0	11683.3	11265.2	10847.1	12158.7	13470.2	15154.5	16838.6	17916.1	16838.6
12993.0	60°	13435.0	13877.1	13357.8	12838.6	14079.7	15320.9	17124.1	18927.4	20091.9	18927.4
12617.0	62.5°	13824.7	15032.4	14973.9	14915.3	16052.3	17189.4	18905.0	20620.5	21696.9	20620.5
11864.5	65°	12998.0	14131.4	14355.7	14579.9	16024.8	17469.8	19133.4	20796.9	21713.4	20796.9
10856.1	67.5°	11934.2	13012.2	13117.4	13222.5	14728.0	16233.4	17904.1	19574.9	20292.8	19574.9
9644.7	70°	10817.3	11990.0	12036.9	12084.0	13430.4	14776.6	16214.4	17652.1	18051.1	17652.1
8201.1	72.5°	9546.7	10892.4	10926.2	10959.9	12013.2	13066.6	14143.4	15220.1	15260.5	15220.1
6374.9	75°	7767.6	9160.3	9285.3	9410.3	10229.8	11049.4	11807.4	12565.4	12362.3	12565.4
4554.8	77.5°	5854.8	7154.9	7333.9	7512.8	8135.8	8758.8	9296.4	9834.1	9485.0	9834.1
2981.1	80°	4074.8	5168.4	5390.9	5613.3	6083.8	6554.1	6836.4	7118.7	6557.2	7118.7
1732.9	82.5°	2480.6	3228.4	3476.8	3725.4	4049.2	4373.1	4490.9	4608.6	4167.2	4608.6
762.4	85°	1159.3	1556.1	1767.5	1978.8	2244.9	2510.9	2577.7	2644.6	2291.1	2644.6
236.0	87.5°	369.4	502.8	620.7	738.6	871.7	1004.7	1010.4	1016.0	853.0	1016.0
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):

325°		330°	335°	340°	345°	350°	355°	360°
2860.9	0°	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9	2860.9
3157.8	2.5°	3152.9	3143.0	3133.1	3116.5	3100.0	3088.2	3076.6
3527.9	5°	3514.6	3492.7	3470.7	3430.2	3389.8	3348.9	3308.2
3883.9	7.5°	3864.5	3828.6	3792.7	3733.1	3673.5	3607.3	3541.0
4119.4	10°	4100.5	4058.3	4016.0	3946.0	3876.1	3797.7	3719.3
4196.5	12.5°	4186.1	4155.4	4124.7	4061.6	3998.4	3913.5	3828.6
4112.1	15°	4123.1	4122.0	4120.9	4081.2	4041.6	3968.3	3895.0
3903.1	17.5°	3943.8	3988.3	4032.8	4032.1	4031.3	3981.8	3932.3
3636.0	20°	3707.5	3805.6	3903.8	3955.9	4008.1	3990.7	3973.5
3381.9	22.5°	3471.2	3615.6	3760.0	3868.0	3976.0	3998.6	4021.2
3167.4	25°	3261.3	3436.7	3612.0	3776.0	3940.0	4011.4	4082.7
2995.5	27.5°	3087.9	3282.2	3476.5	3693.7	3910.9	4038.6	4166.2
2872.8	30°	2958.6	3161.0	3363.4	3630.9	3898.3	4088.4	4278.7
2837.7	32.5°	2905.0	3095.2	3285.5	3588.0	3890.6	4151.0	4411.5
3025.0	35°	3040.7	3172.8	3304.9	3620.1	3935.4	4254.1	4572.9
3576.2	37.5°	3504.4	3513.0	3521.5	3808.0	4094.6	4469.6	4844.6
4488.7	40°	4314.1	4163.7	4013.3	4226.4	4439.5	4847.3	5255.2
5718.4	42.5°	5401.0	5072.9	4744.9	4867.6	4990.4	5395.0	5799.7
7209.5	45°	6687.8	6162.2	5636.7	5690.9	5745.0	6108.6	6472.1
8863.5	47.5°	8099.8	7341.9	6583.7	6594.7	6605.7	6959.4	7313.0
10507.6	50°	9499.5	8522.4	7545.4	7543.5	7541.7	7978.4	8415.2
12097.1	52.5°	10849.8	9682.7	8515.6	8569.2	8622.7	9151.5	9680.4
13650.0	55°	12163.1	10864.3	9565.4	9773.8	9982.3	10504.8	11027.4
15154.5	57.5°	13470.2	12158.7	10847.1	11265.2	11683.3	11968.0	12252.5
17124.1	60°	15320.9	14079.7	12838.6	13357.8	13877.1	13435.0	12993.0
18905.0	62.5°	17189.4	16052.3	14915.3	14973.9	15032.4	13824.7	12617.0
19133.4	65°	17469.8	16024.8	14579.9	14355.7	14131.4	12998.0	11864.5
17904.1	67.5°	16233.4	14728.0	13222.5	13117.4	13012.2	11934.2	10856.1
16214.4	70°	14776.6	13430.4	12084.0	12036.9	11990.0	10817.3	9644.7
14143.4	72.5°	13066.6	12013.2	10959.9	10926.2	10892.4	9546.7	8201.1
11807.4	75°	11049.4	10229.8	9410.3	9285.3	9160.3	7767.6	6374.9
9296.4	77.5°	8758.8	8135.8	7512.8	7333.9	7154.9	5854.8	4554.8
6836.4	80°	6554.1	6083.8	5613.3	5390.9	5168.4	4074.8	2981.1
4490.9	82.5°	4373.1	4049.2	3725.4	3476.8	3228.4	2480.6	1732.9
2577.7	85°	2510.9	2244.9	1978.8	1767.5	1556.1	1159.3	762.4
1010.4	87.5°	1004.7	871.7	738.6	620.7	502.8	369.4	236.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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