

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: P952675

Luminaire Tested: **GALN-SB6B-950-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952675
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-SB6B-950-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23669 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

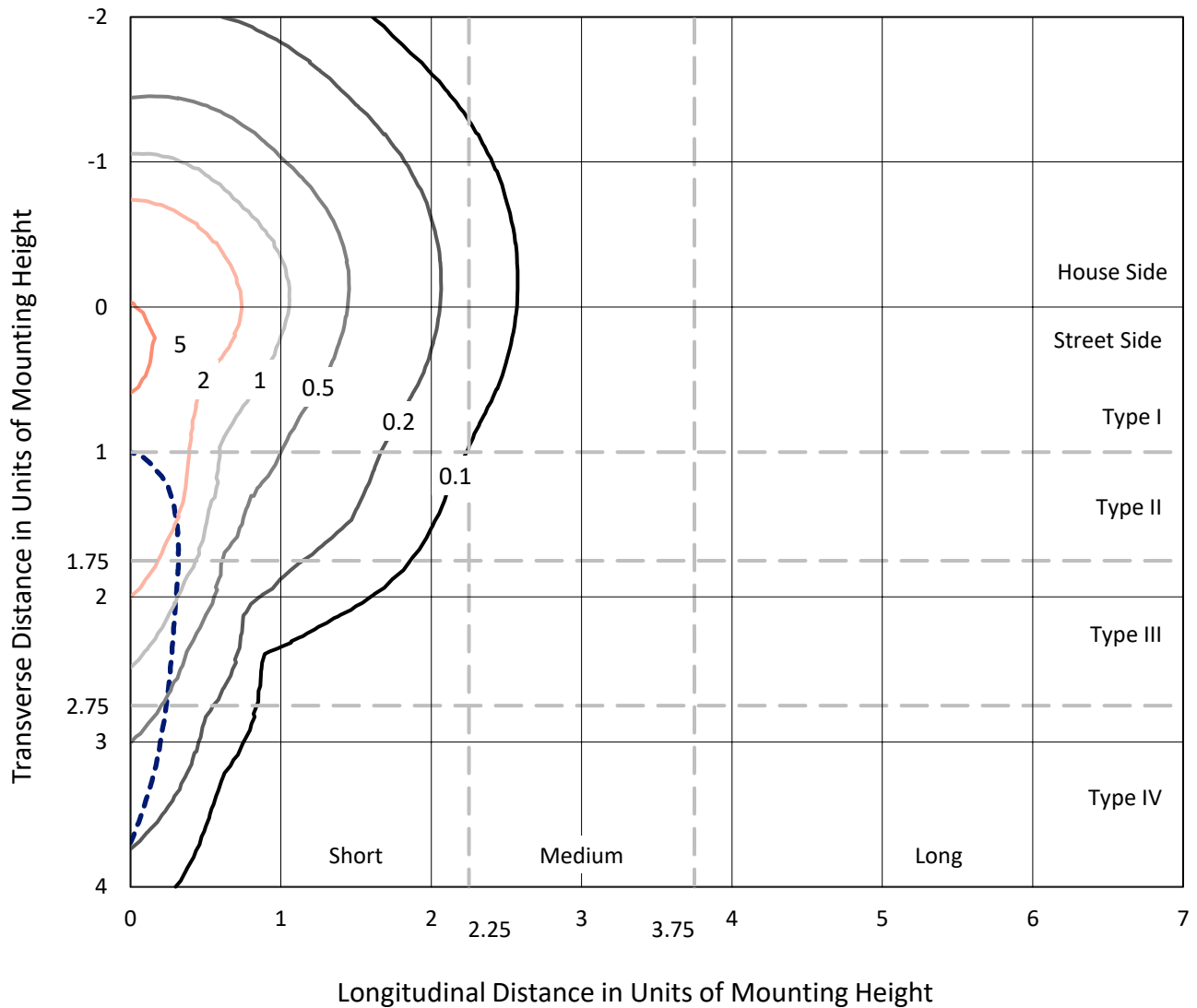
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

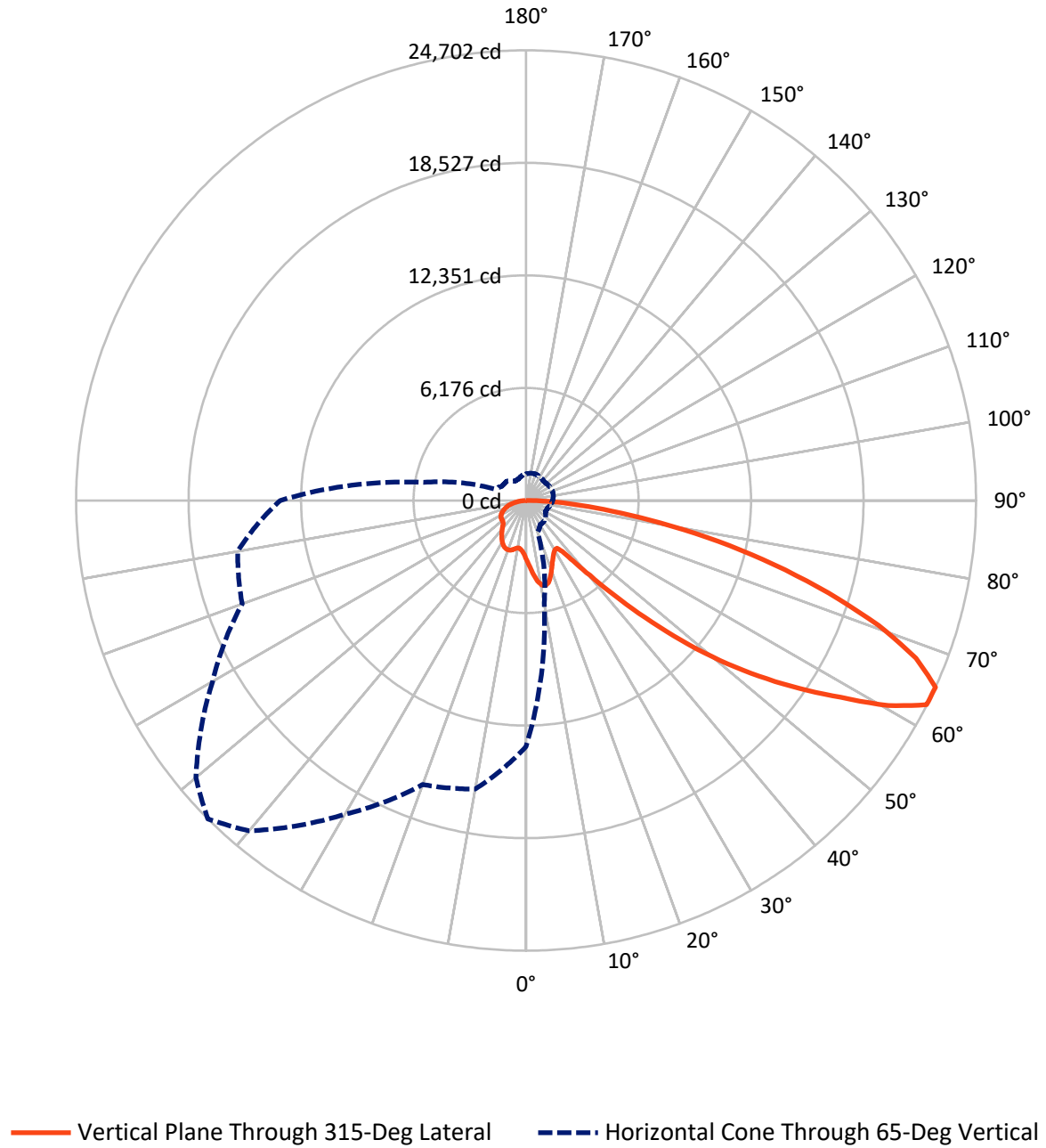
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB6B-950-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6015.5	0.0	6015.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	17653.5	0.0	17653.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	23669.0	0.0	23669.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.9	1.4
10°-20°	1013.5	4.3
20°-30°	1565.6	6.6
30°-40°	1984.0	8.4
40°-50°	2992.3	12.6
50°-60°	4834.5	20.4
60°-70°	6027.0	25.5
70°-80°	3952.2	16.7
80°-90°	977.1	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°	23669.0	100.0
0°-180°	23669.0	100.0

Coefficient of Utilization



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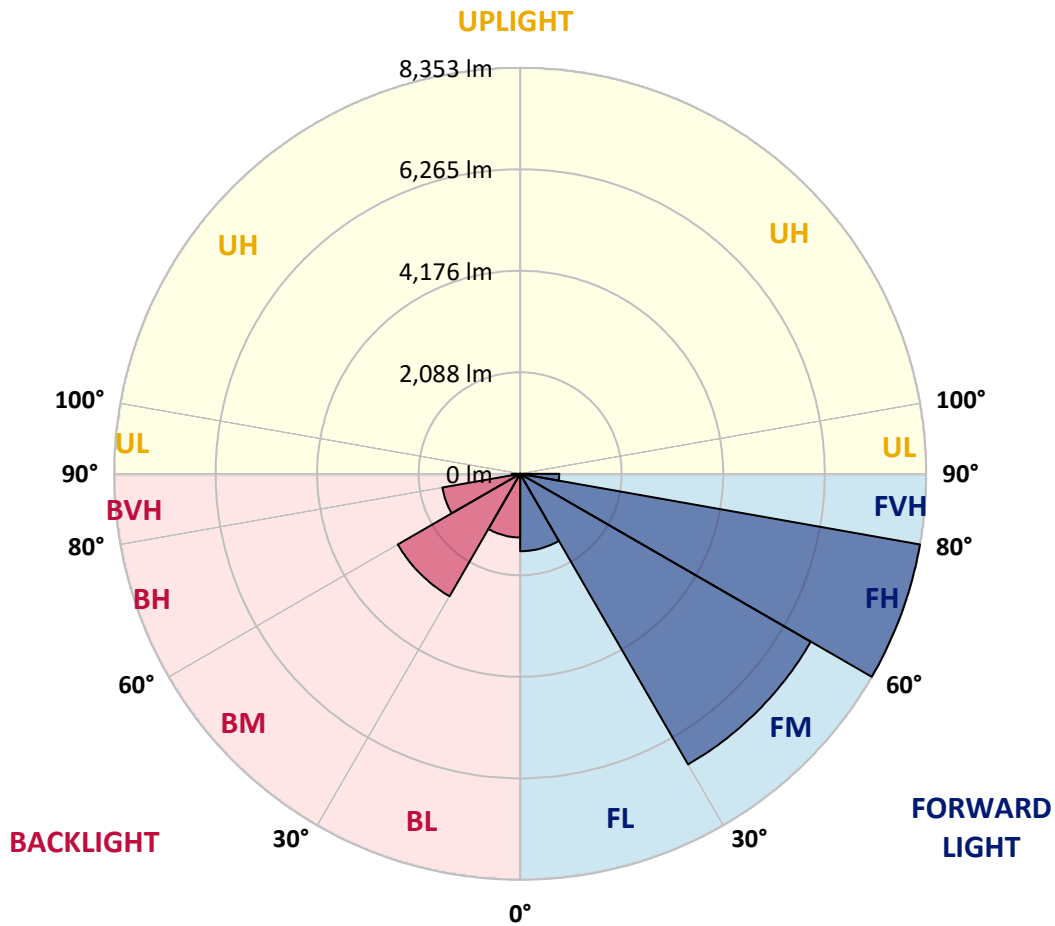
CATALOG NUMBER: GALN-SB6B-950-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1592.0	6.7			
FM (30°-60°)	6903.7	29.2			
FH (60°-80°)	8352.9	35.3			G4/12000
FVH (80°-90°)	804.9	3.4			G5
BL (0°-30°)	1309.9	5.5	B3/2500		
BM (30°-60°)	2907.0	12.3	B3/5000		
BH (60°-80°)	1626.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	172.2	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-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
2.5°	3500.1	3473.3	3446.4	3417.8	3389.3	3360.6	3331.9	3304.4	3276.9	3250.3
5°	3763.6	3704.3	3645.0	3585.8	3526.7	3467.1	3407.7	3352.1	3296.5	3244.1
7.5°	4028.4	3930.5	3832.7	3742.3	3651.8	3563.8	3475.8	3398.2	3320.6	3249.1
10°	4231.3	4107.6	3983.8	3864.3	3744.9	3638.0	3531.0	3439.3	3347.4	3259.1
12.5°	4355.6	4219.6	4083.7	3948.3	3813.0	3686.8	3560.7	3456.9	3353.1	3260.3
15°	4431.2	4289.4	4147.7	4000.8	3853.9	3708.7	3563.4	3443.3	3323.1	3220.3
17.5°	4473.6	4329.9	4186.1	4025.9	3865.7	3697.1	3528.5	3384.0	3239.5	3118.6
20°	4520.5	4371.1	4221.6	4045.5	3869.4	3665.1	3460.8	3281.7	3102.6	2961.8
22.5°	4574.8	4422.2	4269.4	4072.0	3874.4	3625.9	3377.3	3161.6	2946.0	2785.7
25°	4644.7	4495.1	4345.6	4119.9	3894.1	3587.2	3280.3	3027.6	2775.1	2610.9
27.5°	4739.7	4597.0	4454.3	4194.9	3935.4	3561.3	3187.2	2905.1	2623.0	2473.5
30°	4867.7	4729.8	4592.0	4291.9	3991.8	3549.2	3106.3	2802.7	2499.1	2373.6
32.5°	5018.8	4882.3	4745.9	4393.2	4040.5	3534.2	3027.6	2714.4	2401.1	2299.9
35°	5202.4	5071.7	4941.0	4508.6	4076.2	3506.0	2936.0	2627.6	2319.2	2234.9
37.5°	5511.5	5344.9	5178.3	4637.9	4097.5	3457.6	2817.8	2525.4	2233.1	2159.4
40°	5978.6	5735.8	5493.0	4802.0	4110.8	3391.1	2671.4	2403.6	2135.7	2068.8
42.5°	6598.1	6247.6	5897.2	5016.7	4136.2	3322.4	2508.8	2269.0	2029.2	1967.7
45°	7363.0	6890.3	6417.6	5299.2	4180.8	3258.6	2336.5	2126.2	1915.8	1853.4
47.5°	8319.7	7654.4	6989.0	5600.2	4211.4	3205.9	2200.4	2013.1	1825.9	1745.4
50°	9573.6	8570.6	7567.5	5879.4	4191.4	3148.4	2105.4	1938.1	1770.7	1664.8
52.5°	11013.0	9533.0	8053.1	6060.8	4068.4	3051.4	2034.5	1888.6	1742.9	1621.1
55°	12545.4	10386.3	8227.3	6020.8	3814.2	2890.5	1966.8	1852.8	1738.7	1625.5
57.5°	13939.2	10991.0	8042.8	5739.5	3436.4	2663.7	1890.9	1810.3	1729.8	1629.8
60°	14781.6	11142.1	7502.5	5216.1	2929.7	2369.2	1808.7	1745.4	1682.0	1616.1
62.5°	14353.9	10505.8	6657.8	4508.4	2359.0	2016.8	1674.6	1632.5	1590.5	1582.4
65°	13497.7	9605.5	5713.2	3786.2	1859.4	1699.7	1539.9	1520.1	1500.2	1501.2
67.5°	12350.6	8534.0	4717.4	3078.8	1440.3	1394.9	1349.5	1360.6	1371.6	1368.8
70°	10972.4	7364.9	3757.4	2424.2	1090.9	1103.9	1116.8	1168.2	1219.6	1219.6
72.5°	9330.1	6097.5	2865.0	1853.3	841.5	880.6	919.8	992.8	1065.6	1077.8
75°	7252.5	4644.6	2036.7	1345.1	653.4	688.9	724.4	806.1	887.7	944.2
77.5°	5181.8	3250.8	1319.9	911.5	503.1	527.2	551.4	630.7	710.0	803.1
80°	3391.4	2094.4	797.4	587.2	377.2	387.2	397.2	464.3	531.4	642.6
82.5°	1971.4	1212.2	453.1	361.2	269.5	271.3	273.3	322.7	372.2	467.1
85°	867.4	545.3	223.3	193.1	163.0	162.1	161.1	197.3	233.5	304.1
87.5°	268.5	178.6	88.7	80.1	71.4	70.6	69.7	84.4	99.3	128.6
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°
3254.7	0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
3220.7	2.5°	3196.7	3172.9	3151.3	3129.8	3110.9	3092.1	3073.1	3054.2	3039.6	3024.9
3192.2	5°	3147.0	3101.7	3063.7	3025.9	2992.4	2958.9	2928.6	2898.1	2874.8	2851.3
3182.0	7.5°	3121.8	3061.7	3011.8	2961.8	2919.7	2877.5	2840.3	2803.2	2775.4	2747.6
3187.0	10°	3123.6	3060.1	3010.2	2960.2	2914.9	2869.4	2827.6	2785.7	2752.5	2719.2
3193.2	12.5°	3141.3	3089.6	3056.4	3023.4	2987.7	2952.2	2908.9	2865.7	2823.2	2780.7
3166.6	15°	3141.8	3117.1	3121.6	3126.1	3116.8	3107.6	3070.0	3032.4	2971.9	2911.5
3085.5	17.5°	3094.6	3103.6	3158.0	3212.5	3241.5	3270.3	3240.0	3209.7	3129.7	3049.6
2953.1	20°	2995.5	3038.0	3132.5	3227.2	3287.8	3348.4	3334.4	3320.3	3228.7	3137.3
2802.8	22.5°	2865.7	2928.5	3036.4	3144.5	3223.3	3302.2	3310.6	3319.0	3231.6	3144.2
2657.1	25°	2729.5	2802.0	2899.0	2996.2	3073.7	3151.3	3180.3	3209.1	3137.4	3065.9
2529.7	27.5°	2599.6	2669.6	2749.4	2829.1	2891.3	2953.5	2985.7	3018.0	2966.9	2916.0
2417.7	30°	2473.1	2528.8	2595.0	2661.2	2712.8	2764.5	2790.7	2816.9	2778.1	2739.1
2319.5	32.5°	2352.3	2385.2	2438.0	2491.0	2540.4	2590.0	2619.1	2648.3	2612.6	2576.8
2226.8	35°	2235.8	2244.9	2285.3	2325.5	2374.5	2423.5	2458.5	2493.5	2468.0	2442.6
2129.7	37.5°	2119.7	2109.7	2138.7	2167.5	2216.3	2265.3	2308.5	2351.7	2340.0	2328.2
2023.3	40°	2000.6	1978.0	1998.9	2019.8	2067.0	2114.2	2163.9	2213.7	2216.6	2219.3
1910.2	42.5°	1880.3	1850.3	1867.3	1884.4	1929.1	1973.9	2027.6	2081.3	2095.7	2110.1
1797.8	45°	1768.6	1739.5	1753.7	1768.2	1810.7	1853.2	1908.9	1964.6	1985.2	2005.8
1697.5	47.5°	1673.1	1648.6	1662.1	1675.4	1717.0	1758.5	1813.4	1868.4	1892.1	1915.8
1609.2	50°	1587.5	1565.9	1586.9	1608.0	1647.2	1686.3	1735.5	1784.7	1815.2	1845.7
1543.4	52.5°	1521.9	1500.6	1532.2	1563.7	1599.6	1635.5	1681.3	1727.3	1763.4	1799.4
1508.4	55°	1474.5	1440.6	1485.5	1530.2	1568.9	1607.6	1647.8	1687.9	1726.1	1764.5
1487.5	57.5°	1438.0	1388.6	1436.8	1485.0	1530.4	1575.9	1615.6	1655.4	1694.0	1732.5
1467.7	60°	1403.7	1339.5	1381.8	1424.0	1476.2	1528.4	1568.8	1609.2	1648.0	1686.7
1444.8	62.5°	1364.6	1284.5	1311.4	1338.2	1399.0	1460.0	1503.1	1546.2	1581.6	1617.1
1396.3	65°	1311.1	1225.8	1236.2	1246.4	1311.6	1376.9	1418.2	1459.4	1490.6	1521.8
1309.9	67.5°	1238.9	1168.0	1164.7	1161.5	1221.7	1282.0	1321.1	1360.1	1387.1	1414.0
1200.2	70°	1149.8	1099.3	1088.1	1076.8	1129.8	1182.7	1216.5	1250.2	1274.5	1298.9
1078.1	72.5°	1043.5	1008.9	992.4	976.0	1017.7	1059.3	1089.8	1120.3	1144.1	1168.0
939.4	75°	912.8	886.1	870.4	854.5	885.5	916.5	944.1	971.7	993.4	1015.1
800.6	77.5°	779.2	757.8	741.9	725.9	751.1	776.2	799.9	823.7	846.5	869.2
642.2	80°	624.3	606.4	593.0	579.5	600.5	621.3	641.3	661.3	678.7	695.9
472.3	82.5°	463.6	454.9	445.4	435.9	434.1	432.4	425.4	418.4	455.4	492.3
311.0	85°	301.6	292.2	281.6	271.0	262.0	252.9	233.5	214.2	248.8	283.5
137.4	87.5°	133.6	129.9	127.9	125.9	125.5	125.1	110.4	95.5	110.0	124.6
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°
3254.7	0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
3013.0	2.5°	3001.2	2991.9	2982.7	2974.2	2965.6	2955.0	2965.6	2974.2	2982.7	2991.9
2834.9	5°	2818.6	2807.0	2795.3	2786.5	2777.6	2768.9	2777.6	2786.5	2795.3	2807.0
2728.1	7.5°	2708.7	2695.3	2682.1	2674.1	2666.2	2660.2	2666.2	2674.1	2682.1	2695.3
2697.4	10°	2675.4	2662.8	2650.2	2643.5	2636.7	2634.0	2636.7	2643.5	2650.2	2662.8
2752.6	12.5°	2724.5	2710.4	2696.4	2690.7	2684.9	2683.9	2684.9	2690.7	2696.4	2710.4
2868.8	15°	2826.1	2806.5	2787.0	2779.5	2772.0	2771.4	2772.0	2779.5	2787.0	2806.5
2986.7	17.5°	2923.7	2894.8	2865.7	2856.2	2846.5	2845.0	2846.5	2856.2	2865.7	2894.8
3060.1	20°	2983.1	2946.0	2908.7	2896.9	2885.0	2881.3	2885.0	2896.9	2908.7	2946.0
3064.7	22.5°	2985.2	2946.1	2906.9	2893.8	2880.6	2875.0	2880.6	2893.8	2906.9	2946.1
2995.2	25°	2924.7	2890.8	2856.9	2844.5	2832.3	2825.1	2832.3	2844.5	2856.9	2890.8
2861.2	27.5°	2806.3	2783.6	2760.7	2755.1	2749.5	2747.6	2749.5	2755.1	2760.7	2783.6
2699.9	30°	2660.5	2648.8	2637.1	2637.1	2637.1	2639.0	2637.1	2637.1	2637.1	2648.8
2545.4	32.5°	2514.1	2506.5	2498.8	2499.8	2501.0	2502.8	2501.0	2499.8	2498.8	2506.5
2413.7	35°	2384.8	2373.2	2361.7	2359.2	2356.7	2355.5	2356.7	2359.2	2361.7	2373.2
2301.6	37.5°	2274.9	2253.8	2232.8	2221.7	2210.6	2204.3	2210.6	2221.7	2232.8	2253.8
2196.7	40°	2174.1	2143.4	2112.9	2092.2	2071.7	2059.5	2071.7	2092.2	2112.9	2143.4
2090.9	42.5°	2072.0	2033.9	1995.8	1965.7	1935.6	1915.8	1935.6	1965.7	1995.8	2033.9
1988.5	45°	1971.4	1927.8	1884.4	1849.0	1813.7	1791.0	1813.7	1849.0	1884.4	1927.8
1903.9	47.5°	1891.9	1853.2	1814.4	1781.7	1749.1	1727.3	1749.1	1781.7	1814.4	1853.2
1844.9	50°	1844.4	1813.4	1782.5	1752.2	1722.0	1701.0	1722.0	1752.2	1782.5	1813.4
1805.9	52.5°	1812.4	1787.2	1762.0	1734.9	1707.9	1688.5	1707.9	1734.9	1762.0	1787.2
1773.5	55°	1782.5	1760.5	1738.5	1714.8	1691.0	1673.6	1691.0	1714.8	1738.5	1760.5
1741.6	57.5°	1750.7	1728.5	1706.3	1682.8	1659.2	1641.1	1659.2	1682.8	1706.3	1728.5
1696.7	60°	1706.7	1684.9	1663.3	1639.1	1614.9	1596.1	1614.9	1639.1	1663.3	1684.9
1626.7	62.5°	1636.3	1616.7	1597.1	1571.6	1546.2	1523.7	1546.2	1571.6	1597.1	1616.7
1531.7	65°	1541.4	1522.6	1503.7	1479.0	1454.4	1435.0	1454.4	1479.0	1503.7	1522.6
1423.6	67.5°	1433.1	1415.8	1398.5	1375.6	1352.6	1335.1	1352.6	1375.6	1398.5	1415.8
1308.1	70°	1317.4	1303.3	1289.1	1267.2	1245.2	1225.2	1245.2	1267.2	1289.1	1303.3
1179.0	72.5°	1190.0	1178.2	1166.5	1145.5	1124.7	1105.3	1124.7	1145.5	1166.5	1178.2
1026.6	75°	1038.1	1032.4	1026.6	1009.0	991.4	972.9	991.4	1009.0	1026.6	1032.4
880.0	77.5°	890.7	882.7	874.5	856.8	839.0	824.3	839.0	856.8	874.5	882.7
710.1	80°	724.4	720.9	717.5	693.7	669.7	641.9	669.7	693.7	717.5	720.9
516.6	82.5°	540.8	539.3	537.7	517.6	497.3	479.6	497.3	517.6	537.7	539.3
313.5	85°	343.5	341.0	338.5	322.7	307.0	291.0	307.0	322.7	338.5	341.0
136.8	87.5°	148.9	145.9	142.6	134.6	126.4	118.6	126.4	134.6	142.6	145.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3254.7	0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
3001.2	2.5°	3013.0	3024.9	3039.6	3054.2	3073.1	3092.1	3110.9	3129.8	3151.3	3172.9
2818.6	5°	2834.9	2851.3	2874.8	2898.1	2928.6	2958.9	2992.4	3025.9	3063.7	3101.7
2708.7	7.5°	2728.1	2747.6	2775.4	2803.2	2840.3	2877.5	2919.7	2961.8	3011.8	3061.7
2675.4	10°	2697.4	2719.2	2752.5	2785.7	2827.6	2869.4	2914.9	2960.2	3010.2	3060.1
2724.5	12.5°	2752.6	2780.7	2823.2	2865.7	2908.9	2952.2	2987.7	3023.4	3056.4	3089.6
2826.1	15°	2868.8	2911.5	2971.9	3032.4	3070.0	3107.6	3116.8	3126.1	3121.6	3117.1
2923.7	17.5°	2986.7	3049.6	3129.7	3209.7	3240.0	3270.3	3241.5	3212.5	3158.0	3103.6
2983.1	20°	3060.1	3137.3	3228.7	3320.3	3334.4	3348.4	3287.8	3227.2	3132.5	3038.0
2985.2	22.5°	3064.7	3144.2	3231.6	3319.0	3310.6	3302.2	3223.3	3144.5	3036.4	2928.5
2924.7	25°	2995.2	3065.9	3137.4	3209.1	3180.3	3151.3	3073.7	2996.2	2899.0	2802.0
2806.3	27.5°	2861.2	2916.0	2966.9	3018.0	2985.7	2953.5	2891.3	2829.1	2749.4	2669.6
2660.5	30°	2699.9	2739.1	2778.1	2816.9	2790.7	2764.5	2712.8	2661.2	2595.0	2528.8
2514.1	32.5°	2545.4	2576.8	2612.6	2648.3	2619.1	2590.0	2540.4	2491.0	2438.0	2385.2
2384.8	35°	2413.7	2442.6	2468.0	2493.5	2458.5	2423.5	2374.5	2325.5	2285.3	2244.9
2274.9	37.5°	2301.6	2328.2	2340.0	2351.7	2308.5	2265.3	2216.3	2167.5	2138.7	2109.7
2174.1	40°	2196.7	2219.3	2216.6	2213.7	2163.9	2114.2	2067.0	2019.8	1998.9	1978.0
2072.0	42.5°	2090.9	2110.1	2095.7	2081.3	2027.6	1973.9	1929.1	1884.4	1867.3	1850.3
1971.4	45°	1988.5	2005.8	1985.2	1964.6	1908.9	1853.2	1810.7	1768.2	1753.7	1739.5
1891.9	47.5°	1903.9	1915.8	1892.1	1868.4	1813.4	1758.5	1717.0	1675.4	1662.1	1648.6
1844.4	50°	1844.9	1845.7	1815.2	1784.7	1735.5	1686.3	1647.2	1608.0	1586.9	1565.9
1812.4	52.5°	1805.9	1799.4	1763.4	1727.3	1681.3	1635.5	1599.6	1563.7	1532.2	1500.6
1782.5	55°	1773.5	1764.5	1726.1	1687.9	1647.8	1607.6	1568.9	1530.2	1485.5	1440.6
1750.7	57.5°	1741.6	1732.5	1694.0	1655.4	1615.6	1575.9	1530.4	1485.0	1436.8	1388.6
1706.7	60°	1696.7	1686.7	1648.0	1609.2	1568.8	1528.4	1476.2	1424.0	1381.8	1339.5
1636.3	62.5°	1626.7	1617.1	1581.6	1546.2	1503.1	1460.0	1399.0	1338.2	1311.4	1284.5
1541.4	65°	1531.7	1521.8	1490.6	1459.4	1418.2	1376.9	1311.6	1246.4	1236.2	1225.8
1433.1	67.5°	1423.6	1414.0	1387.1	1360.1	1321.1	1282.0	1221.7	1161.5	1164.7	1168.0
1317.4	70°	1308.1	1298.9	1274.5	1250.2	1216.5	1182.7	1129.8	1076.8	1088.1	1099.3
1190.0	72.5°	1179.0	1168.0	1144.1	1120.3	1089.8	1059.3	1017.7	976.0	992.4	1008.9
1038.1	75°	1026.6	1015.1	993.4	971.7	944.1	916.5	885.5	854.5	870.4	886.1
890.7	77.5°	880.0	869.2	846.5	823.7	799.9	776.2	751.1	725.9	741.9	757.8
724.4	80°	710.1	695.9	678.7	661.3	641.3	621.3	600.5	579.5	593.0	606.4
540.8	82.5°	516.6	492.3	455.4	418.4	425.4	432.4	434.1	435.9	445.4	454.9
343.5	85°	313.5	283.5	248.8	214.2	233.5	252.9	262.0	271.0	281.6	292.2
148.9	87.5°	136.8	124.6	110.0	95.5	110.4	125.1	125.5	125.9	127.9	129.9
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°
3254.7	0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
3196.7	2.5°	3220.7	3250.3	3276.9	3304.4	3331.9	3360.6	3389.3	3417.8	3446.4	3473.3
3147.0	5°	3192.2	3244.1	3296.5	3352.1	3407.7	3467.1	3526.7	3585.8	3645.0	3704.3
3121.8	7.5°	3182.0	3249.1	3320.6	3398.2	3475.8	3563.8	3651.8	3742.3	3832.7	3930.5
3123.6	10°	3187.0	3259.1	3347.4	3439.3	3531.0	3638.0	3744.9	3864.3	3983.8	4107.6
3141.3	12.5°	3193.2	3260.3	3353.1	3456.9	3560.7	3686.8	3813.0	3948.3	4083.7	4219.6
3141.8	15°	3166.6	3220.3	3323.1	3443.3	3563.4	3708.7	3853.9	4000.8	4147.7	4289.4
3094.6	17.5°	3085.5	3118.6	3239.5	3384.0	3528.5	3697.1	3865.7	4025.9	4186.1	4329.9
2995.5	20°	2953.1	2961.8	3102.6	3281.7	3460.8	3665.1	3869.4	4045.5	4221.6	4371.1
2865.7	22.5°	2802.8	2785.7	2946.0	3161.6	3377.3	3625.9	3874.4	4072.0	4269.4	4422.2
2729.5	25°	2657.1	2610.9	2775.1	3027.6	3280.3	3587.2	3894.1	4119.9	4345.6	4495.1
2599.6	27.5°	2529.7	2473.5	2623.0	2905.1	3187.2	3561.3	3935.4	4194.9	4454.3	4597.0
2473.1	30°	2417.7	2373.6	2499.1	2802.7	3106.3	3549.2	3991.8	4291.9	4592.0	4729.8
2352.3	32.5°	2319.5	2299.9	2401.1	2714.4	3027.6	3534.2	4040.5	4393.2	4745.9	4882.3
2235.8	35°	2226.8	2234.9	2319.2	2627.6	2936.0	3506.0	4076.2	4508.6	4941.0	5071.7
2119.7	37.5°	2129.7	2159.4	2233.1	2525.4	2817.8	3457.6	4097.5	4637.9	5178.3	5344.9
2000.6	40°	2023.3	2068.8	2135.7	2403.6	2671.4	3391.1	4110.8	4802.0	5493.0	5735.8
1880.3	42.5°	1910.2	1967.7	2029.2	2269.0	2508.8	3322.4	4136.2	5016.7	5897.2	6247.6
1768.6	45°	1797.8	1853.4	1915.8	2126.2	2336.5	3258.6	4180.8	5299.2	6417.6	6890.3
1673.1	47.5°	1697.5	1745.4	1825.9	2013.1	2200.4	3205.9	4211.4	5600.2	6989.0	7654.4
1587.5	50°	1609.2	1664.8	1770.7	1938.1	2105.4	3148.4	4191.4	5879.4	7567.5	8570.6
1521.9	52.5°	1543.4	1621.1	1742.9	1888.6	2034.5	3051.4	4068.4	6060.8	8053.1	9533.0
1474.5	55°	1508.4	1625.5	1738.7	1852.8	1966.8	2890.5	3814.2	6020.8	8227.3	10386.3
1438.0	57.5°	1487.5	1629.8	1729.8	1810.3	1890.9	2663.7	3436.4	5739.5	8042.8	10991.0
1403.7	60°	1467.7	1616.1	1682.0	1745.4	1808.7	2369.2	2929.7	5216.1	7502.5	11142.1
1364.6	62.5°	1444.8	1582.4	1590.5	1632.5	1674.6	2016.8	2359.0	4508.4	6657.8	10505.8
1311.1	65°	1396.3	1501.2	1500.2	1520.1	1539.9	1699.7	1859.4	3786.2	5713.2	9605.5
1238.9	67.5°	1309.9	1368.8	1371.6	1360.6	1349.5	1394.9	1440.3	3078.8	4717.4	8534.0
1149.8	70°	1200.2	1219.6	1219.6	1168.2	1116.8	1103.9	1090.9	2424.2	3757.4	7364.9
1043.5	72.5°	1078.1	1077.8	1065.6	992.8	919.8	880.6	841.5	1853.3	2865.0	6097.5
912.8	75°	939.4	944.2	887.7	806.1	724.4	688.9	653.4	1345.1	2036.7	4644.6
779.2	77.5°	800.6	803.1	710.0	630.7	551.4	527.2	503.1	911.5	1319.9	3250.8
624.3	80°	642.2	642.6	531.4	464.3	397.2	387.2	377.2	587.2	797.4	2094.4
463.6	82.5°	472.3	467.1	372.2	322.7	273.3	271.3	269.5	361.2	453.1	1212.2
301.6	85°	311.0	304.1	233.5	197.3	161.1	162.1	163.0	193.1	223.3	545.3
133.6	87.5°	137.4	128.6	99.3	84.4	69.7	70.6	71.4	80.1	88.7	178.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3254.7	0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
3500.1	2.5°	3513.3	3526.7	3545.6	3564.4	3575.7	3586.9	3592.5	3598.1	3595.6	3598.1
3763.6	5°	3810.0	3856.4	3902.4	3948.5	3973.4	3998.4	4013.5	4028.8	4040.3	4028.8
4028.4	7.5°	4103.8	4179.1	4247.0	4314.8	4355.6	4396.5	4418.6	4440.5	4451.2	4440.5
4231.3	10°	4320.5	4409.7	4489.3	4568.8	4617.0	4665.0	4686.5	4707.8	4715.9	4707.8
4355.6	12.5°	4452.3	4548.8	4620.8	4692.5	4727.4	4762.4	4774.1	4785.9	4787.1	4785.9
4431.2	15°	4514.6	4597.9	4643.0	4688.2	4689.5	4690.7	4678.2	4665.7	4651.0	4665.7
4473.6	17.5°	4530.0	4586.3	4587.2	4587.9	4537.3	4486.8	4440.4	4394.0	4361.2	4394.0
4520.5	20°	4540.1	4559.8	4500.5	4441.2	4329.5	4217.9	4136.6	4055.3	4005.3	4055.3
4574.8	22.5°	4549.1	4523.3	4400.5	4277.6	4113.3	3949.1	3847.4	3745.8	3690.6	3745.8
4644.7	25°	4563.6	4482.4	4295.8	4109.2	3909.8	3710.3	3603.4	3496.7	3444.5	3496.7
4739.7	27.5°	4594.5	4449.3	4202.1	3955.1	3734.0	3513.0	3407.8	3302.8	3253.4	3302.8
4867.7	30°	4651.2	4434.9	4130.7	3826.4	3596.1	3365.8	3268.3	3170.8	3124.8	3170.8
5018.8	32.5°	4722.4	4426.2	4082.0	3737.8	3521.3	3304.9	3228.3	3151.7	3118.6	3151.7
5202.4	35°	4839.7	4477.1	4118.4	3759.9	3609.5	3459.3	3441.4	3423.5	3420.8	3423.5
5511.5	37.5°	5084.9	4658.2	4332.3	4006.3	3996.6	3986.8	4068.5	4150.2	4192.6	4150.2
5978.6	40°	5514.6	5050.6	4808.2	4565.8	4736.9	4908.0	5106.6	5305.2	5404.1	5305.2
6598.1	42.5°	6137.7	5677.4	5537.7	5398.1	5771.3	6144.4	6505.6	6866.8	7078.9	6866.8
7363.0	45°	6949.5	6535.9	6474.3	6412.6	7010.5	7608.4	8201.9	8795.5	9155.8	8795.5
8319.7	47.5°	7917.4	7515.0	7502.5	7490.0	8352.5	9214.8	10083.7	10952.4	11462.6	10952.4
9573.6	50°	9076.7	8579.8	8582.0	8584.1	9695.6	10807.2	11954.1	13100.9	13794.3	13100.9
11013.0	52.5°	10411.3	9809.7	9748.8	9687.9	11015.6	12343.3	13762.4	15181.3	16012.4	15181.3
12545.4	55°	11950.9	11356.4	11119.3	10882.1	12359.8	13837.4	15529.1	17220.8	18209.3	17220.8
13939.2	57.5°	13615.5	13291.7	12815.9	12340.4	13832.4	15324.5	17240.6	19156.6	20382.4	19156.6
14781.6	60°	15284.4	15787.4	15196.6	14605.9	16017.9	17430.0	19481.4	21532.9	22857.8	21532.9
14353.9	62.5°	15727.8	17101.7	17035.2	16968.5	18262.0	19555.6	21507.4	23459.1	24683.7	23459.1
13497.7	65°	14787.2	16076.8	16331.9	16586.9	18230.8	19874.7	21767.3	23659.8	24702.4	23659.8
12350.6	67.5°	13577.0	14803.5	14923.1	15042.6	16755.4	18468.1	20368.8	22269.5	23086.3	22269.5
10972.4	70°	12306.4	13640.5	13693.9	13747.5	15279.2	16810.7	18446.5	20082.0	20536.0	20082.0
9330.1	72.5°	10860.9	12391.8	12430.3	12468.6	13667.0	14865.3	16090.4	17315.3	17361.3	17315.3
7252.5	75°	8836.9	10421.3	10563.5	10705.8	11638.1	12570.4	13432.8	14295.2	14064.1	14295.2
5181.8	77.5°	6660.8	8139.9	8343.4	8547.0	9255.8	9964.5	10576.1	11187.8	10790.7	11187.8
3391.4	80°	4635.7	5879.9	6133.0	6386.0	6921.3	7456.3	7777.5	8098.6	7459.8	8098.6
1971.4	82.5°	2822.1	3672.8	3955.5	4238.2	4606.6	4975.1	5109.1	5243.0	4740.9	5243.0
867.4	85°	1318.9	1770.3	2010.8	2251.2	2553.9	2856.5	2932.6	3008.7	2606.5	3008.7
268.5	87.5°	420.3	572.0	706.1	840.3	991.6	1143.0	1149.5	1155.9	970.4	1155.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
3254.7	0°	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7	3254.7
3592.5	2.5°	3586.9	3575.7	3564.4	3545.6	3526.7	3513.3	3500.1
4013.5	5°	3998.4	3973.4	3948.5	3902.4	3856.4	3810.0	3763.6
4418.6	7.5°	4396.5	4355.6	4314.8	4247.0	4179.1	4103.8	4028.4
4686.5	10°	4665.0	4617.0	4568.8	4489.3	4409.7	4320.5	4231.3
4774.1	12.5°	4762.4	4727.4	4692.5	4620.8	4548.8	4452.3	4355.6
4678.2	15°	4690.7	4689.5	4688.2	4643.0	4597.9	4514.6	4431.2
4440.4	17.5°	4486.8	4537.3	4587.9	4587.2	4586.3	4530.0	4473.6
4136.6	20°	4217.9	4329.5	4441.2	4500.5	4559.8	4540.1	4520.5
3847.4	22.5°	3949.1	4113.3	4277.6	4400.5	4523.3	4549.1	4574.8
3603.4	25°	3710.3	3909.8	4109.2	4295.8	4482.4	4563.6	4644.7
3407.8	27.5°	3513.0	3734.0	3955.1	4202.1	4449.3	4594.5	4739.7
3268.3	30°	3365.8	3596.1	3826.4	4130.7	4434.9	4651.2	4867.7
3228.3	32.5°	3304.9	3521.3	3737.8	4082.0	4426.2	4722.4	5018.8
3441.4	35°	3459.3	3609.5	3759.9	4118.4	4477.1	4839.7	5202.4
4068.5	37.5°	3986.8	3996.6	4006.3	4332.3	4658.2	5084.9	5511.5
5106.6	40°	4908.0	4736.9	4565.8	4808.2	5050.6	5514.6	5978.6
6505.6	42.5°	6144.4	5771.3	5398.1	5537.7	5677.4	6137.7	6598.1
8201.9	45°	7608.4	7010.5	6412.6	6474.3	6535.9	6949.5	7363.0
10083.7	47.5°	9214.8	8352.5	7490.0	7502.5	7515.0	7917.4	8319.7
11954.1	50°	10807.2	9695.6	8584.1	8582.0	8579.8	9076.7	9573.6
13762.4	52.5°	12343.3	11015.6	9687.9	9748.8	9809.7	10411.3	11013.0
15529.1	55°	13837.4	12359.8	10882.1	11119.3	11356.4	11950.9	12545.4
17240.6	57.5°	15324.5	13832.4	12340.4	12815.9	13291.7	13615.5	13939.2
19481.4	60°	17430.0	16017.9	14605.9	15196.6	15787.4	15284.4	14781.6
21507.4	62.5°	19555.6	18262.0	16968.5	17035.2	17101.7	15727.8	14353.9
21767.3	65°	19874.7	18230.8	16586.9	16331.9	16076.8	14787.2	13497.7
20368.8	67.5°	18468.1	16755.4	15042.6	14923.1	14803.5	13577.0	12350.6
18446.5	70°	16810.7	15279.2	13747.5	13693.9	13640.5	12306.4	10972.4
16090.4	72.5°	14865.3	13667.0	12468.6	12430.3	12391.8	10860.9	9330.1
13432.8	75°	12570.4	11638.1	10705.8	10563.5	10421.3	8836.9	7252.5
10576.1	77.5°	9964.5	9255.8	8547.0	8343.4	8139.9	6660.8	5181.8
7777.5	80°	7456.3	6921.3	6386.0	6133.0	5879.9	4635.7	3391.4
5109.1	82.5°	4975.1	4606.6	4238.2	3955.5	3672.8	2822.1	1971.4
2932.6	85°	2856.5	2553.9	2251.2	2010.8	1770.3	1318.9	867.4
1149.5	87.5°	1143.0	991.6	840.3	706.1	572.0	420.3	268.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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