

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: STREETWORKS

Report Number: P952171

Luminaire Tested: **GLAN-SB6A-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952171
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: STREETWORKS
Catalog Number: GLAN-SB6A-835-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 25140 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

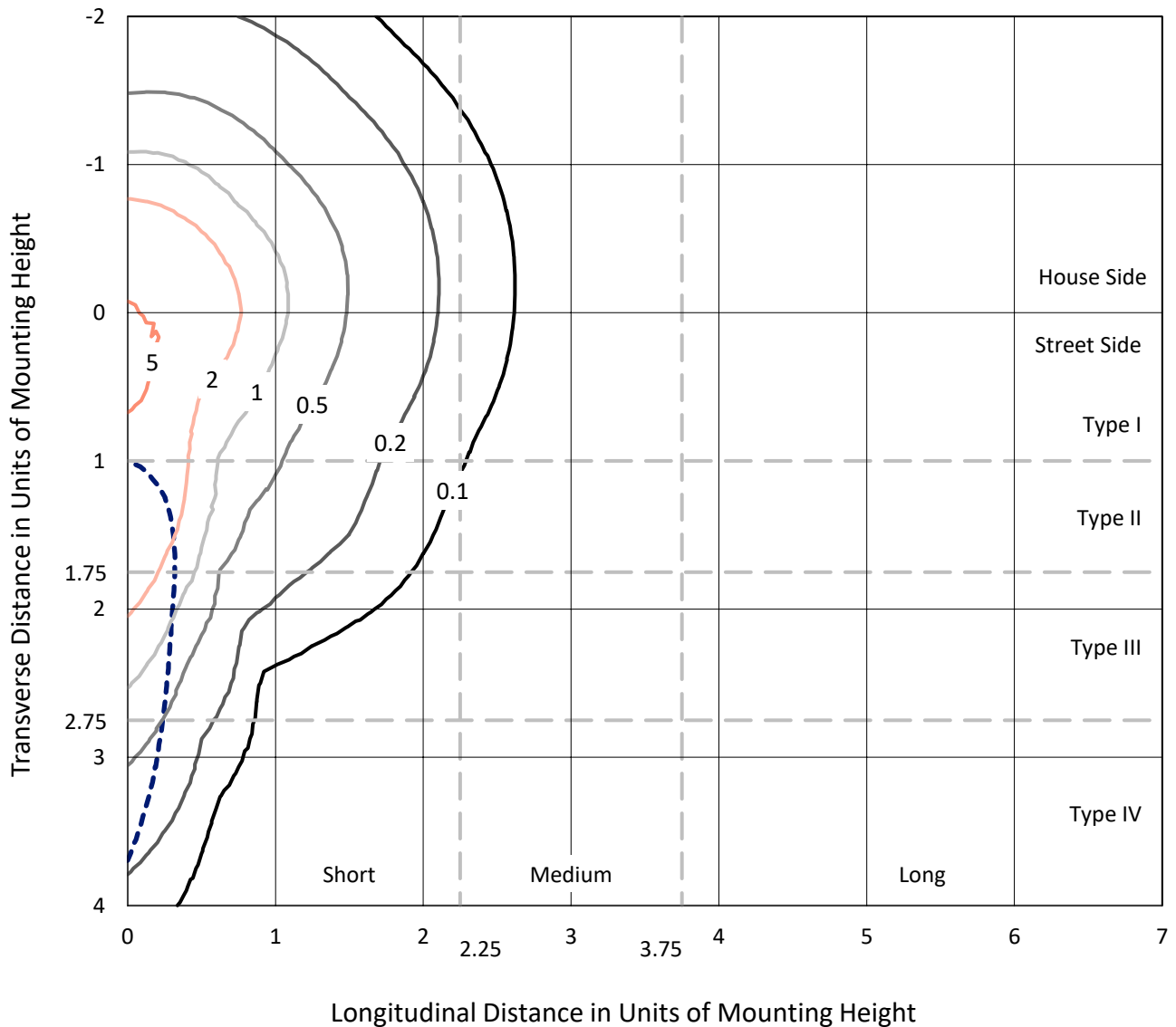
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

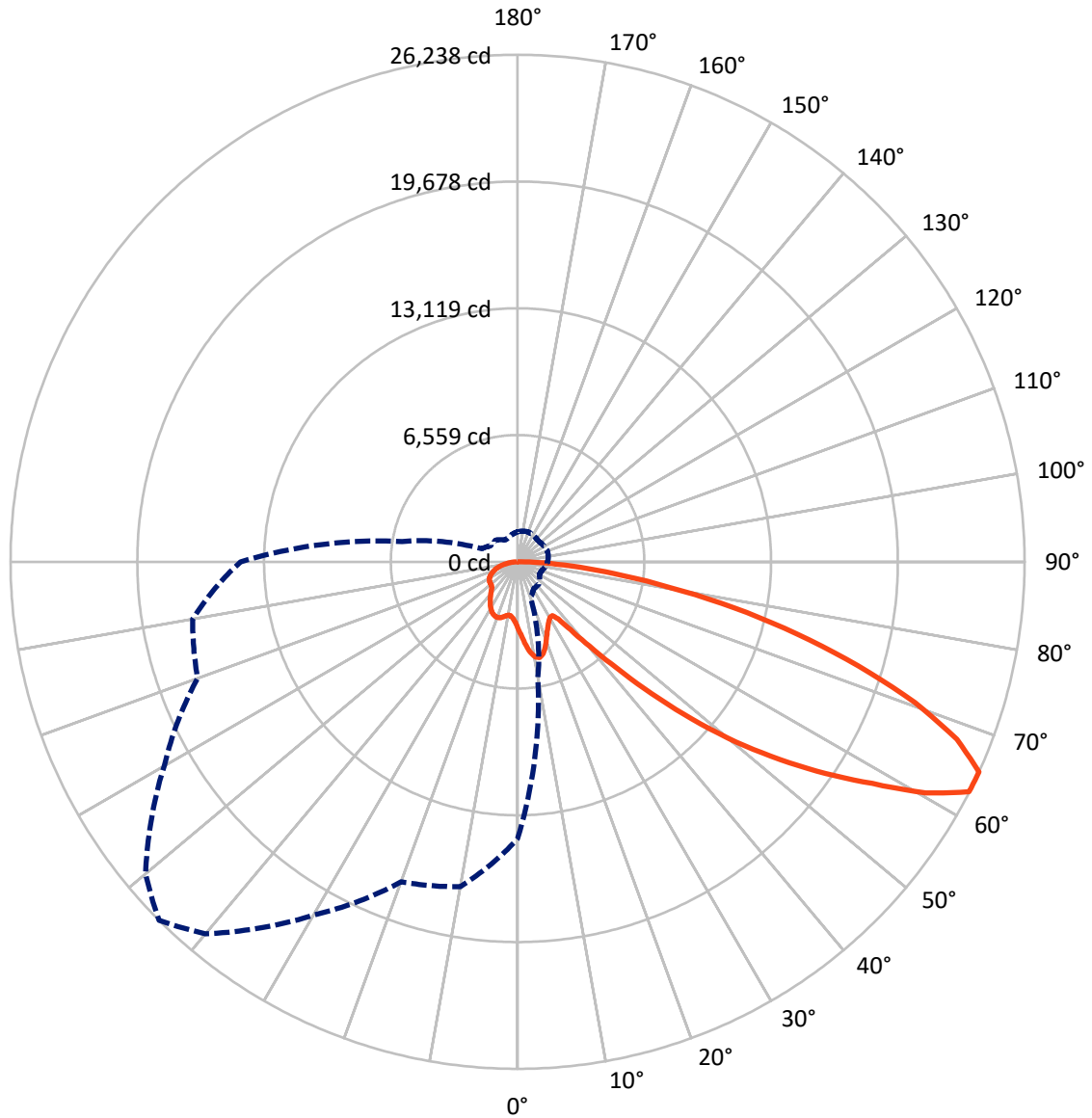
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6389.3	0.0	6389.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18750.7	0.0	18750.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	25140.0	0.0	25140.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.9	1.4
10°-20°	1076.5	4.3
20°-30°	1662.9	6.6
30°-40°	2107.3	8.4
40°-50°	3178.3	12.6
50°-60°	5135.0	20.4
60°-70°	6401.6	25.5
70°-80°	4197.8	16.7
80°-90°	1037.8	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°	25140.0	100.0
0°-180°	25140.0	100.0

Coefficient of Utilization

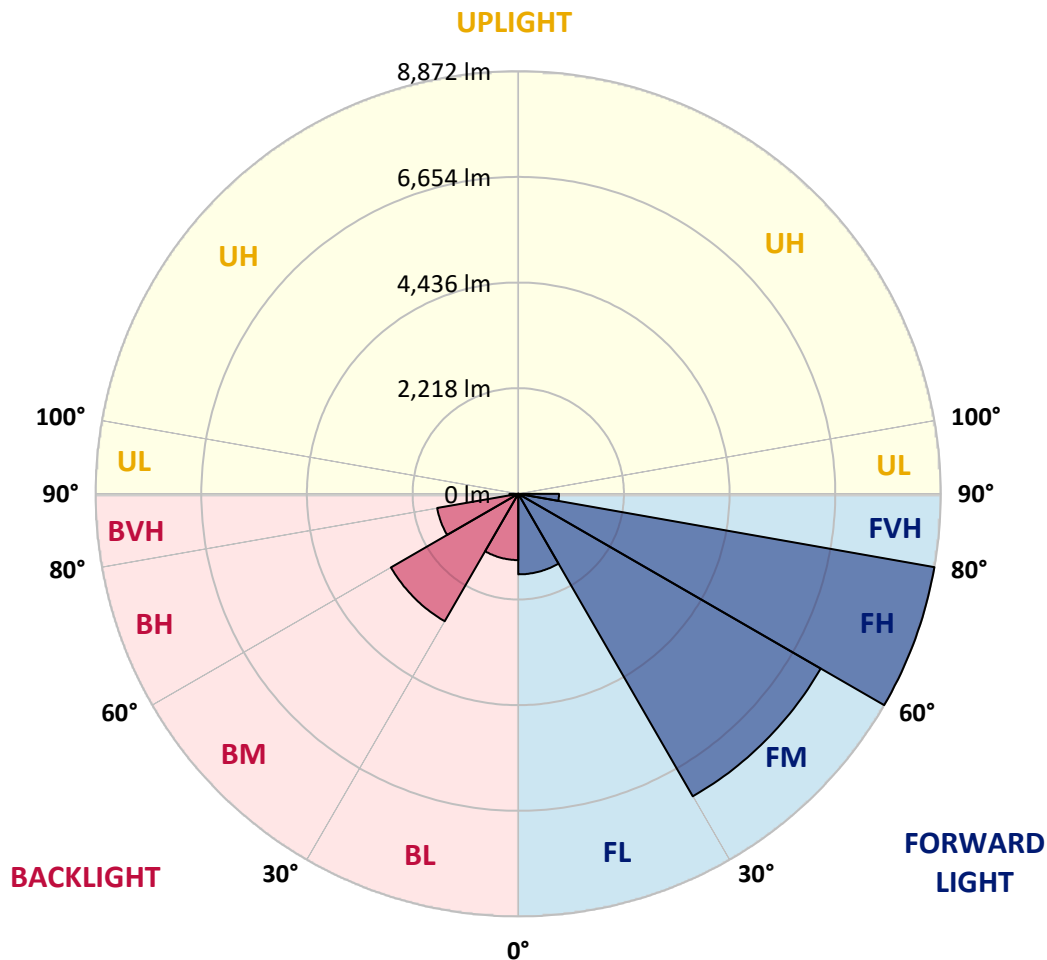


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1691.0	6.7			
FM (30°-60°)	7332.8	29.2			
FH (60°-80°)	8872.0	35.3			G4/12000
FVH (80°-90°)	854.9	3.4			G5
BL (0°-30°)	1391.4	5.5	B3/2500		
BM (30°-60°)	3087.7	12.3	B3/5000		
BH (60°-80°)	1727.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	182.9	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°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
2.5°	3717.6	3689.1	3660.6	3630.2	3600.0	3569.5	3538.9	3509.8	3480.6	3452.3
5°	3997.5	3934.5	3871.5	3808.6	3745.9	3682.6	3619.5	3560.4	3501.4	3445.7
7.5°	4278.8	4174.8	4070.9	3974.8	3878.8	3785.3	3691.8	3609.4	3527.0	3451.0
10°	4494.3	4362.9	4231.4	4104.5	3977.6	3864.1	3750.4	3653.0	3555.4	3461.6
12.5°	4626.3	4481.9	4337.5	4193.7	4049.9	3915.9	3782.0	3671.7	3561.5	3462.9
15°	4706.6	4556.0	4405.4	4249.4	4093.4	3939.2	3784.9	3657.3	3529.7	3420.5
17.5°	4751.7	4599.0	4446.3	4276.1	4105.9	3926.8	3747.7	3594.3	3440.8	3312.4
20°	4801.4	4642.8	4484.0	4296.9	4109.9	3892.9	3675.8	3485.6	3295.4	3145.9
22.5°	4859.1	4697.0	4534.8	4325.1	4115.2	3851.2	3587.2	3358.1	3129.0	2958.9
25°	4933.4	4774.5	4615.7	4376.0	4136.2	3810.1	3484.2	3215.8	2947.6	2773.1
27.5°	5034.2	4882.7	4731.1	4455.6	4179.9	3782.6	3385.3	3085.7	2786.0	2627.2
30°	5170.2	5023.7	4877.4	4558.7	4239.9	3769.8	3299.4	2976.9	2654.4	2521.1
32.5°	5330.7	5185.7	5040.9	4666.2	4291.6	3753.8	3215.8	2883.1	2550.3	2442.8
35°	5525.7	5387.0	5248.1	4788.8	4329.6	3723.9	3118.4	2790.9	2463.4	2373.8
37.5°	5854.0	5677.1	5500.1	4926.1	4352.1	3672.5	2992.9	2682.4	2371.9	2293.6
40°	6350.2	6092.3	5834.4	5100.4	4366.3	3601.8	2837.5	2552.9	2268.4	2197.4
42.5°	7008.1	6635.9	6263.7	5328.5	4393.2	3528.9	2664.8	2410.1	2155.4	2090.0
45°	7820.6	7318.5	6816.4	5628.5	4440.6	3461.1	2481.7	2258.3	2034.9	1968.6
47.5°	8836.8	8130.1	7423.3	5948.2	4473.1	3405.1	2337.1	2138.3	1939.4	1853.8
50°	10168.6	9103.3	8037.8	6244.8	4451.9	3344.1	2236.3	2058.5	1880.8	1768.3
52.5°	11697.4	10125.5	8553.5	6437.4	4321.2	3241.0	2160.9	2006.0	1851.2	1721.9
55°	13325.1	11031.8	8738.6	6395.0	4051.3	3070.1	2089.0	1967.9	1846.8	1726.5
57.5°	14805.5	11674.1	8542.7	6096.3	3650.0	2829.2	2008.4	1922.8	1837.3	1731.1
60°	15700.3	11834.6	7968.8	5540.3	3111.8	2516.4	1921.1	1853.8	1786.6	1716.5
62.5°	15245.9	11158.7	7071.5	4788.5	2505.6	2142.1	1778.6	1733.9	1689.4	1680.7
65°	14336.6	10202.4	6068.3	4021.5	1975.0	1805.3	1635.6	1614.5	1593.4	1594.5
67.5°	13118.2	9064.4	5010.6	3270.2	1529.8	1481.6	1433.3	1445.1	1456.8	1453.9
70°	11654.3	7822.6	3990.9	2574.8	1158.7	1172.5	1186.2	1240.8	1295.4	1295.4
72.5°	9909.9	6476.4	3043.1	1968.5	893.8	935.3	977.0	1054.5	1131.8	1144.8
75°	7703.2	4933.3	2163.3	1428.7	694.0	731.7	769.4	856.1	942.9	1002.9
77.5°	5503.8	3452.9	1401.9	968.1	534.3	559.9	585.7	669.9	754.1	853.0
80°	3602.2	2224.6	847.0	623.7	400.6	411.2	421.8	493.2	564.4	682.5
82.5°	2093.9	1287.5	481.3	383.6	286.3	288.1	290.2	342.8	395.3	496.1
85°	921.3	579.2	237.2	205.1	173.1	172.2	171.1	209.6	248.1	323.0
87.5°	285.2	189.7	94.2	85.0	75.9	74.9	74.0	89.7	105.5	136.6
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°
3457.0	0°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
3420.9	2.5°	3395.4	3370.1	3347.1	3324.3	3304.3	3284.3	3264.1	3244.1	3228.5	3212.9
3390.6	5°	3342.6	3294.5	3254.1	3213.9	3178.4	3142.8	3110.6	3078.2	3053.4	3028.5
3379.8	7.5°	3315.8	3252.0	3199.0	3145.9	3101.2	3056.4	3016.8	2977.4	2947.8	2918.4
3385.1	10°	3317.7	3250.3	3197.2	3144.2	3096.0	3047.7	3003.3	2958.9	2923.6	2888.1
3391.7	12.5°	3336.5	3281.6	3246.3	3211.3	3173.4	3135.7	3089.6	3043.7	2998.6	2953.5
3363.4	15°	3337.0	3310.8	3315.6	3320.3	3310.5	3300.7	3260.8	3220.8	3156.6	3092.4
3277.2	17.5°	3286.9	3296.5	3354.3	3412.1	3442.9	3473.5	3441.3	3409.2	3324.2	3239.1
3136.6	20°	3181.7	3226.8	3327.2	3427.8	3492.1	3556.5	3541.6	3526.6	3429.4	3332.3
2977.0	22.5°	3043.7	3110.5	3225.1	3340.0	3423.7	3507.4	3516.4	3525.3	3432.4	3339.6
2822.2	25°	2899.2	2976.1	3079.2	3182.4	3264.8	3347.1	3377.9	3408.5	3332.4	3256.4
2686.9	27.5°	2761.2	2835.5	2920.2	3004.9	3070.9	3137.0	3171.2	3205.6	3151.3	3097.2
2567.9	30°	2626.8	2686.0	2756.3	2826.6	2881.4	2936.3	2964.2	2992.0	2950.8	2909.4
2463.7	32.5°	2498.5	2533.4	2589.5	2645.8	2698.3	2751.0	2781.9	2812.9	2775.0	2736.9
2365.2	35°	2374.8	2384.5	2427.3	2470.0	2522.0	2574.2	2611.3	2648.4	2621.4	2594.4
2262.0	37.5°	2251.4	2240.8	2271.6	2302.2	2354.1	2406.1	2452.0	2497.9	2485.4	2472.9
2149.0	40°	2125.0	2101.0	2123.1	2145.3	2195.4	2245.6	2298.4	2351.3	2354.3	2357.3
2028.9	42.5°	1997.1	1965.3	1983.3	2001.5	2049.0	2096.6	2153.6	2210.7	2225.9	2241.2
1909.6	45°	1878.5	1847.6	1862.7	1878.1	1923.2	1968.3	2027.5	2086.6	2108.5	2130.4
1803.0	47.5°	1777.0	1751.0	1765.4	1779.6	1823.7	1867.8	1926.1	1984.5	2009.7	2034.9
1709.2	50°	1686.2	1663.2	1685.5	1707.9	1749.6	1791.1	1843.4	1895.6	1928.0	1960.4
1639.3	52.5°	1616.5	1593.8	1627.4	1660.8	1699.0	1737.1	1785.8	1834.6	1872.9	1911.3
1602.2	55°	1566.1	1530.2	1577.8	1625.3	1666.4	1707.5	1750.2	1792.8	1833.4	1874.1
1579.9	57.5°	1527.4	1474.8	1526.1	1577.3	1625.5	1673.8	1716.0	1758.3	1799.3	1840.2
1559.0	60°	1490.9	1422.7	1467.7	1512.5	1568.0	1623.4	1666.3	1709.2	1750.4	1791.5
1534.5	62.5°	1449.4	1364.3	1392.9	1421.4	1486.0	1550.7	1596.5	1642.3	1679.9	1717.6
1483.1	65°	1392.6	1302.0	1313.0	1323.9	1393.1	1462.5	1506.3	1550.1	1583.2	1616.4
1391.3	67.5°	1315.9	1240.6	1237.1	1233.7	1297.6	1361.7	1403.2	1444.6	1473.3	1501.9
1274.8	70°	1221.2	1167.6	1155.7	1143.7	1200.0	1256.2	1292.1	1327.9	1353.7	1379.6
1145.1	72.5°	1108.3	1071.6	1054.1	1036.7	1081.0	1125.2	1157.5	1189.9	1215.2	1240.6
997.8	75°	969.6	941.2	924.5	907.6	940.5	973.4	1002.7	1032.0	1055.1	1078.2
850.3	77.5°	827.6	804.9	788.0	771.0	797.8	824.4	849.6	874.9	899.1	923.3
682.1	80°	663.1	644.0	629.8	615.5	637.8	660.0	681.2	702.4	720.8	739.1
501.7	82.5°	492.4	483.1	473.0	463.0	461.1	459.2	451.8	444.4	483.7	522.9
330.3	85°	320.4	310.4	299.1	287.9	278.3	268.6	248.1	227.5	264.2	301.1
145.9	87.5°	141.9	138.0	135.8	133.7	133.3	132.9	117.3	101.5	116.9	132.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3457.0	0°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
3200.3	2.5°	3187.7	3177.9	3168.0	3159.0	3149.9	3138.6	3149.9	3159.0	3168.0	3177.9
3011.1	5°	2993.7	2981.4	2969.1	2959.6	2950.2	2940.9	2950.2	2959.6	2969.1	2981.4
2897.7	7.5°	2877.0	2862.8	2848.7	2840.3	2831.9	2825.5	2831.9	2840.3	2848.7	2862.8
2865.1	10°	2841.7	2828.3	2814.9	2807.8	2800.6	2797.7	2800.6	2807.8	2814.9	2828.3
2923.7	12.5°	2893.8	2878.9	2864.0	2857.9	2851.8	2850.7	2851.8	2857.9	2864.0	2878.9
3047.1	15°	3001.7	2980.9	2960.2	2952.2	2944.3	2943.6	2944.3	2952.2	2960.2	2980.9
3172.3	17.5°	3105.4	3074.7	3043.7	3033.7	3023.5	3021.9	3023.5	3033.7	3043.7	3074.7
3250.3	20°	3168.4	3129.0	3089.5	3076.9	3064.3	3060.3	3064.3	3076.9	3089.5	3129.0
3255.2	22.5°	3170.7	3129.2	3087.5	3073.6	3059.7	3053.7	3059.7	3073.6	3087.5	3129.2
3181.3	25°	3106.5	3070.4	3034.5	3021.3	3008.3	3000.6	3008.3	3021.3	3034.5	3070.4
3039.0	27.5°	2980.7	2956.6	2932.3	2926.4	2920.4	2918.4	2920.4	2926.4	2932.3	2956.6
2867.7	30°	2825.8	2813.5	2801.0	2801.0	2801.0	2803.0	2801.0	2801.0	2801.0	2813.5
2703.6	32.5°	2670.3	2662.2	2654.1	2655.2	2656.4	2658.4	2656.4	2655.2	2654.1	2662.2
2563.7	35°	2533.0	2520.7	2508.5	2505.8	2503.2	2501.9	2503.2	2505.8	2508.5	2520.7
2444.7	37.5°	2416.3	2393.9	2371.6	2359.8	2348.0	2341.3	2348.0	2359.8	2371.6	2393.9
2333.3	40°	2309.2	2276.6	2244.2	2222.2	2200.5	2187.5	2200.5	2222.2	2244.2	2276.6
2220.9	42.5°	2200.7	2160.3	2119.8	2087.8	2055.9	2034.9	2055.9	2087.8	2119.8	2160.3
2112.1	45°	2093.9	2047.6	2001.5	1963.9	1926.4	1902.3	1926.4	1963.9	2001.5	2047.6
2022.2	47.5°	2009.4	1968.3	1927.2	1892.4	1857.8	1834.6	1857.8	1892.4	1927.2	1968.3
1959.6	50°	1959.0	1926.1	1893.2	1861.1	1829.0	1806.7	1829.0	1861.1	1893.2	1926.1
1918.2	52.5°	1925.1	1898.3	1871.5	1842.7	1814.0	1793.5	1814.0	1842.7	1871.5	1898.3
1883.7	55°	1893.2	1869.9	1846.5	1821.3	1796.1	1777.6	1796.1	1821.3	1846.5	1869.9
1849.9	57.5°	1859.5	1835.9	1812.3	1787.4	1762.3	1743.1	1762.3	1787.4	1812.3	1835.9
1802.1	60°	1812.7	1789.6	1766.7	1741.0	1715.2	1695.3	1715.2	1741.0	1766.7	1789.6
1727.8	62.5°	1738.0	1717.2	1696.4	1669.3	1642.3	1618.4	1642.3	1669.3	1696.4	1717.2
1626.9	65°	1637.2	1617.2	1597.2	1570.9	1544.8	1524.2	1544.8	1570.9	1597.2	1617.2
1512.1	67.5°	1522.2	1503.8	1485.5	1461.1	1436.6	1418.1	1436.6	1461.1	1485.5	1503.8
1389.4	70°	1399.2	1384.2	1369.3	1345.9	1322.6	1301.3	1322.6	1345.9	1369.3	1384.2
1252.3	72.5°	1263.9	1251.5	1239.0	1216.7	1194.6	1174.0	1194.6	1216.7	1239.0	1251.5
1090.4	75°	1102.6	1096.5	1090.4	1071.7	1053.0	1033.4	1053.0	1071.7	1090.4	1096.5
934.7	77.5°	946.1	937.6	928.8	910.0	891.2	875.5	891.2	910.0	928.8	937.6
754.3	80°	769.4	765.7	762.1	736.8	711.3	681.8	711.3	736.8	762.1	765.7
548.7	82.5°	574.4	572.8	571.1	549.7	528.2	509.4	528.2	549.7	571.1	572.8
333.0	85°	364.8	362.1	359.5	342.8	326.1	309.1	326.1	342.8	359.5	362.1
145.3	87.5°	158.1	154.9	151.5	143.0	134.2	126.0	134.2	143.0	151.5	154.9
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°
3457.0	0°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
3187.7	2.5°	3200.3	3212.9	3228.5	3244.1	3264.1	3284.3	3304.3	3324.3	3347.1	3370.1
2993.7	5°	3011.1	3028.5	3053.4	3078.2	3110.6	3142.8	3178.4	3213.9	3254.1	3294.5
2877.0	7.5°	2897.7	2918.4	2947.8	2977.4	3016.8	3056.4	3101.2	3145.9	3199.0	3252.0
2841.7	10°	2865.1	2888.1	2923.6	2958.9	3003.3	3047.7	3096.0	3144.2	3197.2	3250.3
2893.8	12.5°	2923.7	2953.5	2998.6	3043.7	3089.6	3135.7	3173.4	3211.3	3246.3	3281.6
3001.7	15°	3047.1	3092.4	3156.6	3220.8	3260.8	3300.7	3310.5	3320.3	3315.6	3310.8
3105.4	17.5°	3172.3	3239.1	3324.2	3409.2	3441.3	3473.5	3442.9	3412.1	3354.3	3296.5
3168.4	20°	3250.3	3332.3	3429.4	3526.6	3541.6	3556.5	3492.1	3427.8	3327.2	3226.8
3170.7	22.5°	3255.2	3339.6	3432.4	3525.3	3516.4	3507.4	3423.7	3340.0	3225.1	3110.5
3106.5	25°	3181.3	3256.4	3332.4	3408.5	3377.9	3347.1	3264.8	3182.4	3079.2	2976.1
2980.7	27.5°	3039.0	3097.2	3151.3	3205.6	3171.2	3137.0	3070.9	3004.9	2920.2	2835.5
2825.8	30°	2867.7	2909.4	2950.8	2992.0	2964.2	2936.3	2881.4	2826.6	2756.3	2686.0
2670.3	32.5°	2703.6	2736.9	2775.0	2812.9	2781.9	2751.0	2698.3	2645.8	2589.5	2533.4
2533.0	35°	2563.7	2594.4	2621.4	2648.4	2611.3	2574.2	2522.0	2470.0	2427.3	2384.5
2416.3	37.5°	2444.7	2472.9	2485.4	2497.9	2452.0	2406.1	2354.1	2302.2	2271.6	2240.8
2309.2	40°	2333.3	2357.3	2354.3	2351.3	2298.4	2245.6	2195.4	2145.3	2123.1	2101.0
2200.7	42.5°	2220.9	2241.2	2225.9	2210.7	2153.6	2096.6	2049.0	2001.5	1983.3	1965.3
2093.9	45°	2112.1	2130.4	2108.5	2086.6	2027.5	1968.3	1923.2	1878.1	1862.7	1847.6
2009.4	47.5°	2022.2	2034.9	2009.7	1984.5	1926.1	1867.8	1823.7	1779.6	1765.4	1751.0
1959.0	50°	1959.6	1960.4	1928.0	1895.6	1843.4	1791.1	1749.6	1707.9	1685.5	1663.2
1925.1	52.5°	1918.2	1911.3	1872.9	1834.6	1785.8	1737.1	1699.0	1660.8	1627.4	1593.8
1893.2	55°	1883.7	1874.1	1833.4	1792.8	1750.2	1707.5	1666.4	1625.3	1577.8	1530.2
1859.5	57.5°	1849.9	1840.2	1799.3	1758.3	1716.0	1673.8	1625.5	1577.3	1526.1	1474.8
1812.7	60°	1802.1	1791.5	1750.4	1709.2	1666.3	1623.4	1568.0	1512.5	1467.7	1422.7
1738.0	62.5°	1727.8	1717.6	1679.9	1642.3	1596.5	1550.7	1486.0	1421.4	1392.9	1364.3
1637.2	65°	1626.9	1616.4	1583.2	1550.1	1506.3	1462.5	1393.1	1323.9	1313.0	1302.0
1522.2	67.5°	1512.1	1501.9	1473.3	1444.6	1403.2	1361.7	1297.6	1233.7	1237.1	1240.6
1399.2	70°	1389.4	1379.6	1353.7	1327.9	1292.1	1256.2	1200.0	1143.7	1155.7	1167.6
1263.9	72.5°	1252.3	1240.6	1215.2	1189.9	1157.5	1125.2	1081.0	1036.7	1054.1	1071.6
1102.6	75°	1090.4	1078.2	1055.1	1032.0	1002.7	973.4	940.5	907.6	924.5	941.2
946.1	77.5°	934.7	923.3	899.1	874.9	849.6	824.4	797.8	771.0	788.0	804.9
769.4	80°	754.3	739.1	720.8	702.4	681.2	660.0	637.8	615.5	629.8	644.0
574.4	82.5°	548.7	522.9	483.7	444.4	451.8	459.2	461.1	463.0	473.0	483.1
364.8	85°	333.0	301.1	264.2	227.5	248.1	268.6	278.3	287.9	299.1	310.4
158.1	87.5°	145.3	132.4	116.9	101.5	117.3	132.9	133.3	133.7	135.8	138.0
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3457.0	0°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
3395.4	2.5°	3420.9	3452.3	3480.6	3509.8	3538.9	3569.5	3600.0	3630.2	3660.6	3689.1
3342.6	5°	3390.6	3445.7	3501.4	3560.4	3619.5	3682.6	3745.9	3808.6	3871.5	3934.5
3315.8	7.5°	3379.8	3451.0	3527.0	3609.4	3691.8	3785.3	3878.8	3974.8	4070.9	4174.8
3317.7	10°	3385.1	3461.6	3555.4	3653.0	3750.4	3864.1	3977.6	4104.5	4231.4	4362.9
3336.5	12.5°	3391.7	3462.9	3561.5	3671.7	3782.0	3915.9	4049.9	4193.7	4337.5	4481.9
3337.0	15°	3363.4	3420.5	3529.7	3657.3	3784.9	3939.2	4093.4	4249.4	4405.4	4556.0
3286.9	17.5°	3277.2	3312.4	3440.8	3594.3	3747.7	3926.8	4105.9	4276.1	4446.3	4599.0
3181.7	20°	3136.6	3145.9	3295.4	3485.6	3675.8	3892.9	4109.9	4296.9	4484.0	4642.8
3043.7	22.5°	2977.0	2958.9	3129.0	3358.1	3587.2	3851.2	4115.2	4325.1	4534.8	4697.0
2899.2	25°	2822.2	2773.1	2947.6	3215.8	3484.2	3810.1	4136.2	4376.0	4615.7	4774.5
2761.2	27.5°	2686.9	2627.2	2786.0	3085.7	3385.3	3782.6	4179.9	4455.6	4731.1	4882.7
2626.8	30°	2567.9	2521.1	2654.4	2976.9	3299.4	3769.8	4239.9	4558.7	4877.4	5023.7
2498.5	32.5°	2463.7	2442.8	2550.3	2883.1	3215.8	3753.8	4291.6	4666.2	5040.9	5185.7
2374.8	35°	2365.2	2373.8	2463.4	2790.9	3118.4	3723.9	4329.6	4788.8	5248.1	5387.0
2251.4	37.5°	2262.0	2293.6	2371.9	2682.4	2992.9	3672.5	4352.1	4926.1	5500.1	5677.1
2125.0	40°	2149.0	2197.4	2268.4	2552.9	2837.5	3601.8	4366.3	5100.4	5834.4	6092.3
1997.1	42.5°	2028.9	2090.0	2155.4	2410.1	2664.8	3528.9	4393.2	5328.5	6263.7	6635.9
1878.5	45°	1909.6	1968.6	2034.9	2258.3	2481.7	3461.1	4440.6	5628.5	6816.4	7318.5
1777.0	47.5°	1803.0	1853.8	1939.4	2138.3	2337.1	3405.1	4473.1	5948.2	7423.3	8130.1
1686.2	50°	1709.2	1768.3	1880.8	2058.5	2236.3	3344.1	4451.9	6244.8	8037.8	9103.3
1616.5	52.5°	1639.3	1721.9	1851.2	2006.0	2160.9	3241.0	4321.2	6437.4	8553.5	10125.5
1566.1	55°	1602.2	1726.5	1846.8	1967.9	2089.0	3070.1	4051.3	6395.0	8738.6	11031.8
1527.4	57.5°	1579.9	1731.1	1837.3	1922.8	2008.4	2829.2	3650.0	6096.3	8542.7	11674.1
1490.9	60°	1559.0	1716.5	1786.6	1853.8	1921.1	2516.4	3111.8	5540.3	7968.8	11834.6
1449.4	62.5°	1534.5	1680.7	1689.4	1733.9	1778.6	2142.1	2505.6	4788.5	7071.5	11158.7
1392.6	65°	1483.1	1594.5	1593.4	1614.5	1635.6	1805.3	1975.0	4021.5	6068.3	10202.4
1315.9	67.5°	1391.3	1453.9	1456.8	1445.1	1433.3	1481.6	1529.8	3270.2	5010.6	9064.4
1221.2	70°	1274.8	1295.4	1295.4	1240.8	1186.2	1172.5	1158.7	2574.8	3990.9	7822.6
1108.3	72.5°	1145.1	1144.8	1131.8	1054.5	977.0	935.3	893.8	1968.5	3043.1	6476.4
969.6	75°	997.8	1002.9	942.9	856.1	769.4	731.7	694.0	1428.7	2163.3	4933.3
827.6	77.5°	850.3	853.0	754.1	669.9	585.7	559.9	534.3	968.1	1401.9	3452.9
663.1	80°	682.1	682.5	564.4	493.2	421.8	411.2	400.6	623.7	847.0	2224.6
492.4	82.5°	501.7	496.1	395.3	342.8	290.2	288.1	286.3	383.6	481.3	1287.5
320.4	85°	330.3	323.0	248.1	209.6	171.1	172.2	173.1	205.1	237.2	579.2
141.9	87.5°	145.9	136.6	105.5	89.7	74.0	74.9	75.9	85.0	94.2	189.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3457.0	0°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
3717.6	2.5°	3731.7	3745.9	3765.9	3785.9	3797.9	3809.8	3815.8	3821.8	3819.1	3821.8
3997.5	5°	4046.7	4096.1	4144.9	4193.9	4220.4	4246.9	4263.0	4279.2	4291.4	4279.2
4278.8	7.5°	4358.9	4438.9	4510.9	4582.9	4626.3	4669.7	4693.2	4716.5	4727.8	4716.5
4494.3	10°	4589.0	4683.8	4768.3	4852.8	4904.0	4954.9	4977.7	5000.4	5009.0	5000.4
4626.3	12.5°	4729.0	4831.5	4907.9	4984.1	5021.2	5058.4	5070.8	5083.3	5084.6	5083.3
4706.6	15°	4795.2	4883.7	4931.5	4979.6	4980.9	4982.2	4969.0	4955.7	4940.0	4955.7
4751.7	17.5°	4811.5	4871.3	4872.3	4873.0	4819.3	4765.6	4716.4	4667.0	4632.3	4667.0
4801.4	20°	4822.2	4843.2	4780.2	4717.2	4598.6	4480.0	4393.6	4307.3	4254.2	4307.3
4859.1	22.5°	4831.8	4804.5	4673.9	4543.4	4369.0	4194.5	4086.5	3978.6	3919.9	3978.6
4933.4	25°	4847.2	4761.0	4562.8	4364.6	4152.7	3940.9	3827.3	3714.1	3658.6	3714.1
5034.2	27.5°	4880.1	4725.8	4463.3	4200.9	3966.1	3731.3	3619.6	3508.0	3455.6	3508.0
5170.2	30°	4940.3	4710.5	4387.4	4064.3	3819.6	3575.0	3471.4	3367.8	3319.0	3367.8
5330.7	32.5°	5015.9	4701.3	4335.7	3970.1	3740.2	3510.3	3429.0	3347.5	3312.4	3347.5
5525.7	35°	5140.5	4755.4	4374.4	3993.6	3833.8	3674.3	3655.3	3636.3	3633.4	3636.3
5854.0	37.5°	5400.9	4947.7	4601.5	4255.3	4244.9	4234.6	4321.3	4408.1	4453.2	4408.1
6350.2	40°	5857.3	5364.5	5107.1	4849.6	5031.3	5213.0	5424.0	5634.9	5739.9	5634.9
7008.1	42.5°	6519.2	6030.2	5881.9	5733.6	6129.9	6526.3	6910.0	7293.6	7518.8	7293.6
7820.6	45°	7381.4	6942.1	6876.7	6811.1	7446.1	8081.3	8711.7	9342.2	9724.9	9342.2
8836.8	47.5°	8409.5	7982.1	7968.8	7955.5	8871.6	9787.5	10710.4	11633.1	12175.0	11633.1
10168.6	50°	9640.8	9113.1	9115.3	9117.6	10298.2	11478.8	12697.0	13915.2	14651.6	13915.2
11697.4	52.5°	11058.3	10419.3	10354.7	10290.0	11700.2	13110.5	14617.7	16124.8	17007.6	16124.8
13325.1	55°	12693.7	12062.2	11810.3	11558.4	13128.0	14697.4	16494.2	18291.0	19341.0	18291.0
14805.5	57.5°	14461.7	14117.7	13612.4	13107.3	14692.1	16276.9	18312.1	20347.2	21649.2	20347.2
15700.3	60°	16234.3	16768.5	16141.1	15513.6	17013.4	18513.2	20692.2	22871.2	24278.4	22871.2
15245.9	62.5°	16705.3	18164.6	18093.9	18023.1	19397.0	20771.0	22844.1	24917.1	26217.8	24917.1
14336.6	65°	15706.2	17075.9	17346.9	17617.8	19363.8	21109.9	23120.2	25130.3	26237.7	25130.3
13118.2	67.5°	14420.8	15723.5	15850.6	15977.5	17796.7	19615.8	21634.7	23653.6	24521.1	23653.6
11654.3	70°	13071.2	14488.2	14545.0	14601.9	16228.8	17855.5	19592.9	21330.1	21812.3	21330.1
9909.9	72.5°	11535.9	13161.9	13202.8	13243.5	14516.3	15789.2	17090.4	18391.4	18440.3	18391.4
7703.2	75°	9386.1	11068.9	11220.0	11371.1	12361.4	13351.6	14267.6	15183.6	14938.2	15183.6
5503.8	77.5°	7074.7	8645.7	8862.0	9078.2	9831.0	10583.8	11233.4	11883.2	11461.3	11883.2
3602.2	80°	4923.9	6245.4	6514.1	6782.9	7351.4	7919.7	8260.9	8602.0	7923.4	8602.0
2093.9	82.5°	2997.5	3901.1	4201.3	4501.6	4892.9	5284.3	5426.6	5568.8	5035.6	5568.8
921.3	85°	1400.8	1880.4	2135.7	2391.1	2712.6	3034.1	3114.9	3195.6	2768.5	3195.6
285.2	87.5°	446.4	607.6	750.0	892.5	1053.3	1214.1	1220.9	1227.7	1030.7	1227.7
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°
3457.0	0°	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0	3457.0
3815.8	2.5°	3809.8	3797.9	3785.9	3765.9	3745.9	3731.7	3717.6
4263.0	5°	4246.9	4220.4	4193.9	4144.9	4096.1	4046.7	3997.5
4693.2	7.5°	4669.7	4626.3	4582.9	4510.9	4438.9	4358.9	4278.8
4977.7	10°	4954.9	4904.0	4852.8	4768.3	4683.8	4589.0	4494.3
5070.8	12.5°	5058.4	5021.2	4984.1	4907.9	4831.5	4729.0	4626.3
4969.0	15°	4982.2	4980.9	4979.6	4931.5	4883.7	4795.2	4706.6
4716.4	17.5°	4765.6	4819.3	4873.0	4872.3	4871.3	4811.5	4751.7
4393.6	20°	4480.0	4598.6	4717.2	4780.2	4843.2	4822.2	4801.4
4086.5	22.5°	4194.5	4369.0	4543.4	4673.9	4804.5	4831.8	4859.1
3827.3	25°	3940.9	4152.7	4364.6	4562.8	4761.0	4847.2	4933.4
3619.6	27.5°	3731.3	3966.1	4200.9	4463.3	4725.8	4880.1	5034.2
3471.4	30°	3575.0	3819.6	4064.3	4387.4	4710.5	4940.3	5170.2
3429.0	32.5°	3510.3	3740.2	3970.1	4335.7	4701.3	5015.9	5330.7
3655.3	35°	3674.3	3833.8	3993.6	4374.4	4755.4	5140.5	5525.7
4321.3	37.5°	4234.6	4244.9	4255.3	4601.5	4947.7	5400.9	5854.0
5424.0	40°	5213.0	5031.3	4849.6	5107.1	5364.5	5857.3	6350.2
6910.0	42.5°	6526.3	6129.9	5733.6	5881.9	6030.2	6519.2	7008.1
8711.7	45°	8081.3	7446.1	6811.1	6876.7	6942.1	7381.4	7820.6
10710.4	47.5°	9787.5	8871.6	7955.5	7968.8	7982.1	8409.5	8836.8
12697.0	50°	11478.8	10298.2	9117.6	9115.3	9113.1	9640.8	10168.6
14617.7	52.5°	13110.5	11700.2	10290.0	10354.7	10419.3	11058.3	11697.4
16494.2	55°	14697.4	13128.0	11558.4	11810.3	12062.2	12693.7	13325.1
18312.1	57.5°	16276.9	14692.1	13107.3	13612.4	14117.7	14461.7	14805.5
20692.2	60°	18513.2	17013.4	15513.6	16141.1	16768.5	16234.3	15700.3
22844.1	62.5°	20771.0	19397.0	18023.1	18093.9	18164.6	16705.3	15245.9
23120.2	65°	21109.9	19363.8	17617.8	17346.9	17075.9	15706.2	14336.6
21634.7	67.5°	19615.8	17796.7	15977.5	15850.6	15723.5	14420.8	13118.2
19592.9	70°	17855.5	16228.8	14601.9	14545.0	14488.2	13071.2	11654.3
17090.4	72.5°	15789.2	14516.3	13243.5	13202.8	13161.9	11535.9	9909.9
14267.6	75°	13351.6	12361.4	11371.1	11220.0	11068.9	9386.1	7703.2
11233.4	77.5°	10583.8	9831.0	9078.2	8862.0	8645.7	7074.7	5503.8
8260.9	80°	7919.7	7351.4	6782.9	6514.1	6245.4	4923.9	3602.2
5426.6	82.5°	5284.3	4892.9	4501.6	4201.3	3901.1	2997.5	2093.9
3114.9	85°	3034.1	2712.6	2391.1	2135.7	1880.4	1400.8	921.3
1220.9	87.5°	1214.1	1053.3	892.5	750.0	607.6	446.4	285.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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