

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: P951562

Luminaire Tested: **GALN-SB5C-935-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951562
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-SB5C-935-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26223 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

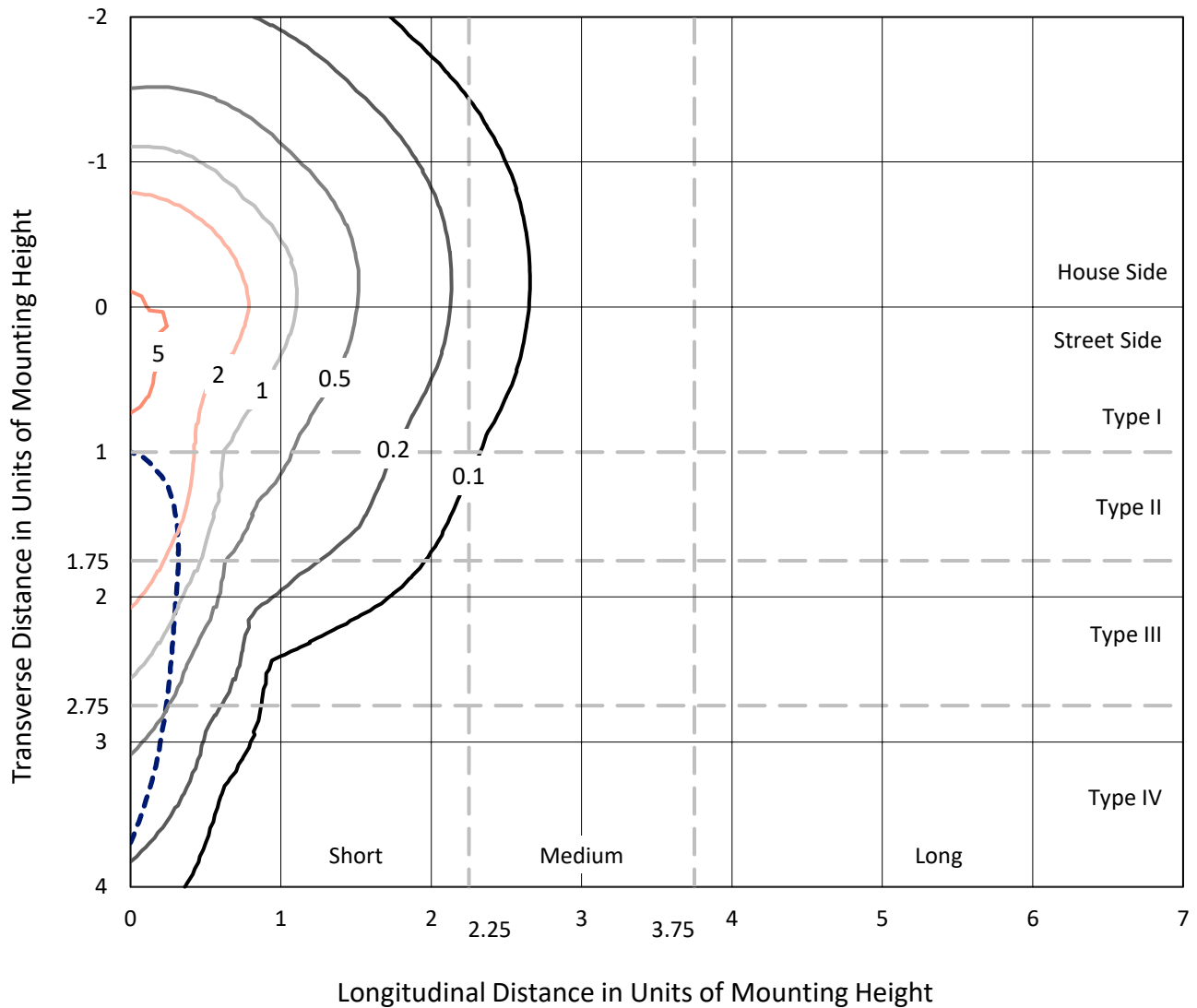
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

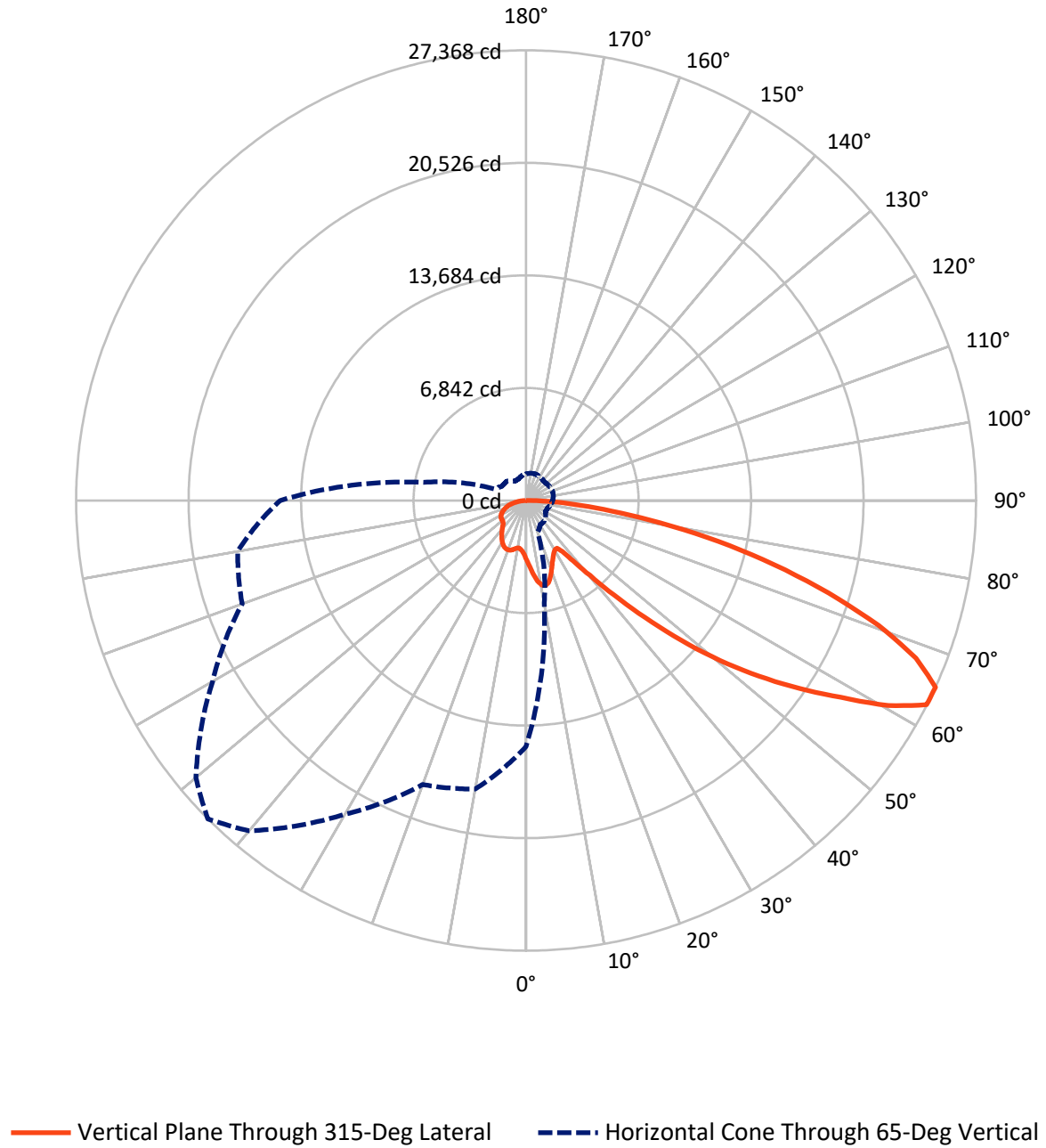
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB5C-935-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6664.6	0.0	6664.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	19558.4	0.0	19558.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	26223.0	0.0	26223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.7	1.4
10°-20°	1122.9	4.3
20°-30°	1734.5	6.6
30°-40°	2198.0	8.4
40°-50°	3315.2	12.6
50°-60°	5356.2	20.4
60°-70°	6677.3	25.5
70°-80°	4378.7	16.7
80°-90°	1082.5	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	26223.0	100.0
0°-180°	26223.0	100.0

Coefficient of Utilization



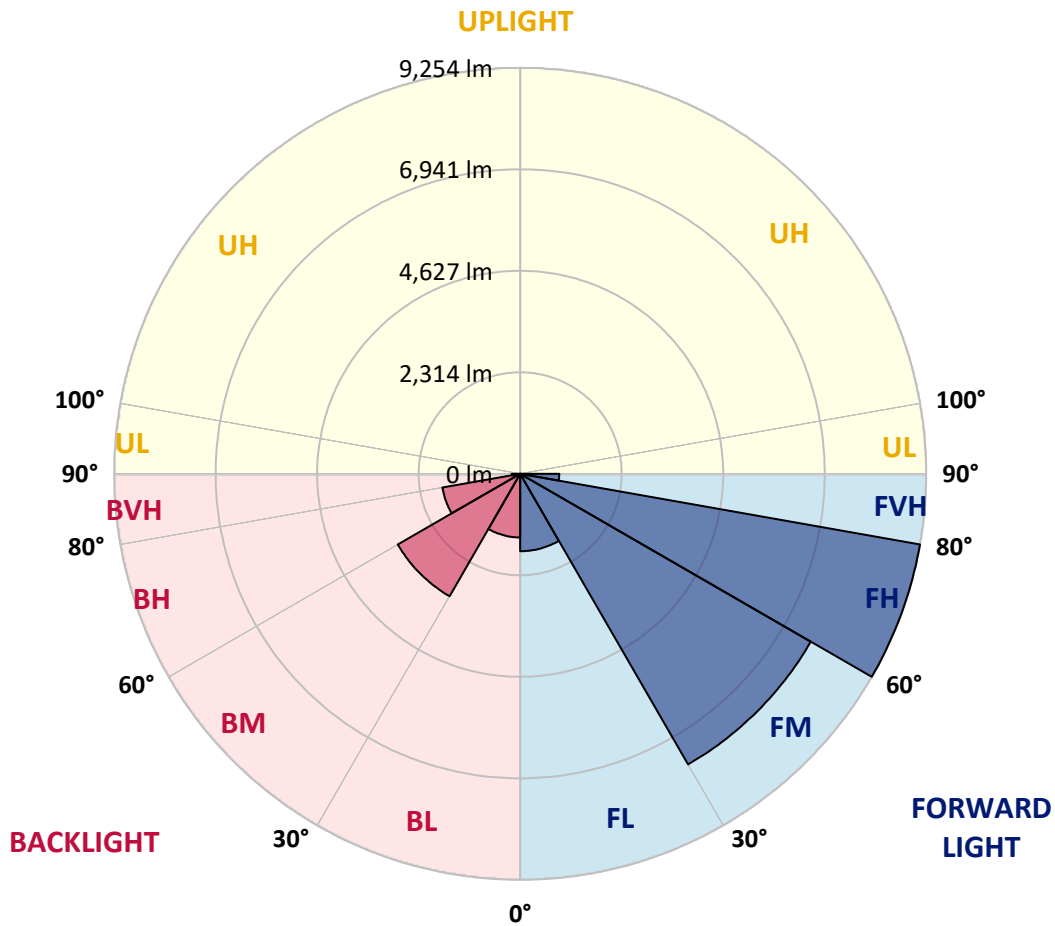
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1763.8	6.7			
FM (30°-60°)	7648.7	29.2			
FH (60°-80°)	9254.2	35.3			G4/12000
FVH (80°-90°)	891.8	3.4			G5
BL (0°-30°)	1451.3	5.5	B3/2500		
BM (30°-60°)	3220.7	12.3	B3/5000		
BH (60°-80°)	1801.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	190.8	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°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
2.5°	3877.8	3848.0	3818.3	3786.6	3755.0	3723.2	3691.4	3661.0	3630.5	3601.0
5°	4169.7	4104.0	4038.3	3972.7	3907.3	3841.3	3775.4	3713.8	3652.2	3594.1
7.5°	4463.1	4354.6	4246.3	4146.1	4045.9	3948.4	3850.8	3764.9	3678.9	3599.7
10°	4687.9	4550.8	4413.7	4281.3	4149.0	4030.5	3912.0	3810.4	3708.6	3610.7
12.5°	4825.6	4674.9	4524.4	4374.4	4224.4	4084.6	3944.9	3829.9	3714.9	3612.1
15°	4909.3	4752.3	4595.2	4432.5	4269.8	4108.9	3947.9	3814.8	3681.7	3567.8
17.5°	4956.4	4797.1	4637.8	4460.3	4282.8	4096.0	3909.2	3749.1	3589.0	3455.1
20°	5008.3	4842.8	4677.1	4482.0	4286.9	4060.6	3834.2	3635.8	3437.4	3281.4
22.5°	5068.4	4899.4	4730.1	4511.4	4292.5	4017.1	3741.8	3502.8	3263.8	3086.3
25°	5145.9	4980.2	4814.5	4564.5	4314.3	3974.2	3634.3	3354.3	3074.6	2892.6
27.5°	5251.1	5093.1	4934.9	4647.5	4360.0	3945.6	3531.2	3218.6	2906.0	2740.4
30°	5392.9	5240.2	5087.5	4755.0	4422.5	3932.2	3441.5	3105.1	2768.8	2629.7
32.5°	5560.3	5409.1	5258.0	4867.3	4476.5	3915.6	3354.3	3007.3	2660.1	2548.1
35°	5763.7	5619.0	5474.1	4995.1	4516.1	3884.3	3252.8	2911.1	2569.5	2476.1
37.5°	6106.2	5921.6	5737.0	5138.3	4539.6	3830.7	3121.9	2798.0	2474.0	2392.4
40°	6623.7	6354.7	6085.7	5320.1	4554.4	3757.0	2959.7	2662.9	2366.1	2292.1
42.5°	7310.0	6921.8	6533.5	5558.0	4582.5	3680.9	2779.6	2513.9	2248.2	2180.0
45°	8157.5	7633.8	7110.1	5871.0	4631.9	3610.2	2588.6	2355.6	2122.6	2053.4
47.5°	9217.4	8480.3	7743.1	6204.5	4665.8	3551.8	2437.8	2230.4	2023.0	1933.7
50°	10606.7	9495.4	8384.0	6513.8	4643.7	3488.1	2332.6	2147.2	1961.8	1844.5
52.5°	12201.4	10561.7	8922.0	6714.8	4507.4	3380.6	2254.0	2092.4	1930.9	1796.0
55°	13899.1	11507.0	9115.0	6670.5	4225.8	3202.4	2179.0	2052.7	1926.4	1800.9
57.5°	15443.3	12177.0	8910.7	6358.9	3807.2	2951.1	2094.9	2005.7	1916.4	1805.7
60°	16376.6	12344.4	8312.1	5779.0	3245.9	2624.9	2003.9	1933.7	1863.5	1790.5
62.5°	15902.7	11639.4	7376.2	4994.8	2613.5	2234.4	1855.2	1808.6	1762.1	1753.1
65°	14954.2	10641.9	6329.7	4194.8	2060.0	1883.1	1706.1	1684.1	1662.1	1663.2
67.5°	13683.3	9454.9	5226.5	3411.1	1595.7	1545.4	1495.1	1507.4	1519.6	1516.5
70°	12156.4	8159.6	4162.8	2685.7	1208.7	1223.0	1237.3	1294.3	1351.2	1351.2
72.5°	10336.8	6755.4	3174.2	2053.3	932.3	975.6	1019.1	1099.9	1180.6	1194.1
75°	8035.1	5145.8	2256.5	1490.2	723.9	763.2	802.5	893.0	983.5	1046.1
77.5°	5740.9	3601.6	1462.3	1009.8	557.3	584.1	610.9	698.8	786.6	889.7
80°	3757.4	2320.4	883.5	650.6	417.9	428.9	440.0	514.5	588.8	711.9
82.5°	2184.1	1343.0	502.0	400.2	298.6	300.5	302.8	357.5	412.3	517.5
85°	961.0	604.1	247.4	213.9	180.6	179.6	178.5	218.6	258.7	336.9
87.5°	297.5	197.9	98.2	88.7	79.1	78.2	77.2	93.5	110.0	142.5
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°
3605.9	0°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
3568.3	2.5°	3541.7	3515.3	3491.3	3467.5	3446.6	3425.7	3404.7	3383.8	3367.6	3351.3
3536.7	5°	3486.6	3436.4	3394.3	3352.4	3315.3	3278.2	3244.6	3210.8	3185.0	3159.0
3525.4	7.5°	3458.7	3392.1	3336.8	3281.4	3234.8	3188.0	3146.8	3105.7	3074.8	3044.1
3530.9	10°	3460.6	3390.3	3335.0	3279.6	3229.4	3179.0	3132.7	3086.3	3049.5	3012.6
3537.8	12.5°	3480.2	3423.0	3386.2	3349.6	3310.1	3270.8	3222.7	3174.9	3127.8	3080.8
3508.3	15°	3480.8	3453.4	3458.4	3463.4	3453.1	3442.9	3401.2	3359.6	3292.6	3225.7
3418.4	17.5°	3428.5	3438.5	3498.8	3559.1	3591.2	3623.2	3589.6	3556.1	3467.4	3378.7
3271.7	20°	3318.8	3365.8	3470.6	3575.4	3642.6	3709.7	3694.2	3678.5	3577.1	3475.8
3105.3	22.5°	3174.9	3244.5	3364.0	3483.8	3571.2	3658.5	3667.9	3677.1	3580.3	3483.4
2943.8	25°	3024.0	3104.3	3211.8	3319.5	3405.4	3491.3	3523.4	3555.4	3476.0	3396.7
2802.7	27.5°	2880.1	2957.6	3046.0	3134.3	3203.2	3272.1	3307.8	3343.7	3287.1	3230.6
2678.5	30°	2740.0	2801.7	2875.0	2948.4	3005.5	3062.8	3091.8	3120.9	3077.9	3034.7
2569.8	32.5°	2606.2	2642.6	2701.1	2759.8	2814.6	2869.5	2901.7	2934.1	2894.5	2854.8
2467.1	35°	2477.1	2487.2	2531.9	2576.4	2630.7	2685.0	2723.8	2762.5	2734.3	2706.2
2359.5	37.5°	2348.4	2337.3	2369.4	2401.4	2455.5	2509.7	2557.6	2605.5	2592.5	2579.5
2241.6	40°	2216.5	2191.5	2214.6	2237.7	2290.0	2342.3	2397.4	2452.6	2455.8	2458.8
2116.3	42.5°	2083.1	2049.9	2068.8	2087.7	2137.2	2186.9	2246.4	2305.9	2321.8	2337.7
1991.8	45°	1959.4	1927.2	1943.0	1959.0	2006.1	2053.1	2114.8	2176.5	2199.4	2222.2
1880.7	47.5°	1853.6	1826.5	1841.4	1856.2	1902.3	1948.2	2009.1	2070.0	2096.3	2122.6
1782.9	50°	1758.8	1734.9	1758.1	1781.5	1824.9	1868.3	1922.8	1977.3	2011.1	2044.8
1710.0	52.5°	1686.2	1662.5	1697.5	1732.4	1772.2	1811.9	1862.7	1913.6	1953.6	1993.6
1671.2	55°	1633.6	1596.1	1645.8	1695.3	1738.2	1781.1	1825.6	1870.1	1912.4	1954.9
1648.0	57.5°	1593.2	1538.4	1591.8	1645.2	1695.6	1745.9	1789.9	1834.1	1876.8	1919.5
1626.1	60°	1555.1	1484.0	1530.9	1577.7	1635.5	1693.4	1738.0	1782.9	1825.8	1868.7
1600.6	62.5°	1511.8	1423.1	1452.9	1482.6	1550.0	1617.5	1665.3	1713.0	1752.3	1791.6
1547.0	65°	1452.6	1358.1	1369.6	1380.9	1453.1	1525.5	1571.2	1616.8	1651.4	1686.0
1451.2	67.5°	1372.6	1294.0	1290.4	1286.8	1353.5	1420.4	1463.7	1506.8	1536.7	1566.6
1329.7	70°	1273.8	1217.9	1205.5	1193.0	1251.7	1310.4	1347.7	1385.1	1412.1	1439.0
1194.4	72.5°	1156.1	1117.7	1099.5	1081.4	1127.6	1173.6	1207.4	1241.2	1267.6	1294.0
1040.8	75°	1011.3	981.7	964.3	946.7	981.0	1015.3	1045.9	1076.5	1100.6	1124.7
886.9	77.5°	863.3	839.6	821.9	804.2	832.1	860.0	886.3	912.5	937.9	963.0
711.5	80°	691.7	671.8	657.0	642.0	665.3	688.4	710.5	732.7	751.9	771.0
523.3	82.5°	513.6	503.9	493.4	482.9	481.0	479.0	471.3	463.5	504.5	545.4
344.5	85°	334.2	323.8	312.0	300.3	290.3	280.2	258.7	237.3	275.6	314.1
152.2	87.5°	148.1	143.9	141.7	139.5	139.1	138.6	122.3	105.9	121.9	138.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3605.9	0°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
3338.1	2.5°	3325.0	3314.8	3304.5	3295.1	3285.6	3273.8	3285.6	3295.1	3304.5	3314.8
3140.8	5°	3122.7	3109.8	3097.0	3087.1	3077.3	3067.6	3077.3	3087.1	3097.0	3109.8
3022.5	7.5°	3000.9	2986.1	2971.5	2962.6	2953.9	2947.3	2953.9	2962.6	2971.5	2986.1
2988.5	10°	2964.1	2950.2	2936.2	2928.7	2921.2	2918.2	2921.2	2928.7	2936.2	2950.2
3049.6	12.5°	3018.5	3002.9	2987.4	2981.0	2974.7	2973.5	2974.7	2981.0	2987.4	3002.9
3178.3	15°	3131.0	3109.3	3087.7	3079.4	3071.1	3070.4	3071.1	3079.4	3087.7	3109.3
3308.9	17.5°	3239.2	3207.1	3174.9	3164.4	3153.7	3152.0	3153.7	3164.4	3174.9	3207.1
3390.3	20°	3304.9	3263.8	3222.6	3209.5	3196.3	3192.2	3196.3	3209.5	3222.6	3263.8
3395.4	22.5°	3307.3	3264.0	3220.5	3206.0	3191.5	3185.2	3191.5	3206.0	3220.5	3264.0
3318.4	25°	3240.3	3202.7	3165.2	3151.5	3137.9	3129.9	3137.9	3151.5	3165.2	3202.7
3169.9	27.5°	3109.1	3084.0	3058.6	3052.4	3046.2	3044.1	3046.2	3052.4	3058.6	3084.0
2991.3	30°	2947.5	2934.7	2921.7	2921.7	2921.7	2923.7	2921.7	2921.7	2921.7	2934.7
2820.1	32.5°	2785.4	2776.9	2768.5	2769.6	2770.8	2772.9	2770.8	2769.6	2768.5	2776.9
2674.1	35°	2642.2	2629.3	2616.6	2613.8	2611.0	2609.6	2611.0	2613.8	2616.6	2629.3
2550.0	37.5°	2520.4	2497.0	2473.8	2461.4	2449.1	2442.2	2449.1	2461.4	2473.8	2497.0
2433.8	40°	2408.7	2374.7	2340.9	2318.0	2295.3	2281.7	2295.3	2318.0	2340.9	2374.7
2316.6	42.5°	2295.5	2253.3	2211.1	2177.8	2144.4	2122.6	2144.4	2177.8	2211.1	2253.3
2203.1	45°	2184.1	2135.9	2087.7	2048.5	2009.4	1984.2	2009.4	2048.5	2087.7	2135.9
2109.3	47.5°	2096.0	2053.1	2010.2	1974.0	1937.9	1913.6	1937.9	1974.0	2010.2	2053.1
2044.0	50°	2043.4	2009.1	1974.8	1941.3	1907.8	1884.6	1907.8	1941.3	1974.8	2009.1
2000.8	52.5°	2008.0	1980.1	1952.1	1922.1	1892.2	1870.7	1892.2	1922.1	1952.1	1980.1
1964.8	55°	1974.8	1950.4	1926.1	1899.8	1873.5	1854.1	1873.5	1899.8	1926.1	1950.4
1929.6	57.5°	1939.7	1915.0	1890.4	1864.4	1838.2	1818.2	1838.2	1864.4	1890.4	1915.0
1879.7	60°	1890.8	1866.7	1842.8	1816.0	1789.1	1768.4	1789.1	1816.0	1842.8	1866.7
1802.3	62.5°	1812.9	1791.2	1769.5	1741.2	1713.0	1688.1	1713.0	1741.2	1769.5	1791.2
1697.0	65°	1707.7	1686.9	1666.0	1638.6	1611.3	1589.9	1611.3	1638.6	1666.0	1686.9
1577.3	67.5°	1587.8	1568.5	1549.5	1524.0	1498.5	1479.2	1498.5	1524.0	1549.5	1568.5
1449.3	70°	1459.5	1443.9	1428.2	1403.9	1379.5	1357.4	1379.5	1403.9	1428.2	1443.9
1306.2	72.5°	1318.4	1305.4	1292.4	1269.1	1246.0	1224.6	1246.0	1269.1	1292.4	1305.4
1137.4	75°	1150.1	1143.8	1137.4	1117.9	1098.4	1077.9	1098.4	1117.9	1137.4	1143.8
974.9	77.5°	986.8	978.0	968.9	949.2	929.6	913.2	929.6	949.2	968.9	978.0
786.8	80°	802.5	798.7	794.9	768.5	741.9	711.2	741.9	768.5	794.9	798.7
572.3	82.5°	599.1	597.5	595.7	573.4	551.0	531.3	551.0	573.4	595.7	597.5
347.3	85°	380.5	377.7	375.0	357.5	340.1	322.4	340.1	357.5	375.0	377.7
151.5	87.5°	164.9	161.6	158.0	149.2	140.0	131.5	140.0	149.2	158.0	161.6
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3605.9	0°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
3325.0	2.5°	3338.1	3351.3	3367.6	3383.8	3404.7	3425.7	3446.6	3467.5	3491.3	3515.3
3122.7	5°	3140.8	3159.0	3185.0	3210.8	3244.6	3278.2	3315.3	3352.4	3394.3	3436.4
3000.9	7.5°	3022.5	3044.1	3074.8	3105.7	3146.8	3188.0	3234.8	3281.4	3336.8	3392.1
2964.1	10°	2988.5	3012.6	3049.5	3086.3	3132.7	3179.0	3229.4	3279.6	3335.0	3390.3
3018.5	12.5°	3049.6	3080.8	3127.8	3174.9	3222.7	3270.8	3310.1	3349.6	3386.2	3423.0
3131.0	15°	3178.3	3225.7	3292.6	3359.6	3401.2	3442.9	3453.1	3463.4	3458.4	3453.4
3239.2	17.5°	3308.9	3378.7	3467.4	3556.1	3589.6	3623.2	3591.2	3559.1	3498.8	3438.5
3304.9	20°	3390.3	3475.8	3577.1	3678.5	3694.2	3709.7	3642.6	3575.4	3470.6	3365.8
3307.3	22.5°	3395.4	3483.4	3580.3	3677.1	3667.9	3658.5	3571.2	3483.8	3364.0	3244.5
3240.3	25°	3318.4	3396.7	3476.0	3555.4	3523.4	3491.3	3405.4	3319.5	3211.8	3104.3
3109.1	27.5°	3169.9	3230.6	3287.1	3343.7	3307.8	3272.1	3203.2	3134.3	3046.0	2957.6
2947.5	30°	2991.3	3034.7	3077.9	3120.9	3091.8	3062.8	3005.5	2948.4	2875.0	2801.7
2785.4	32.5°	2820.1	2854.8	2894.5	2934.1	2901.7	2869.5	2814.6	2759.8	2701.1	2642.6
2642.2	35°	2674.1	2706.2	2734.3	2762.5	2723.8	2685.0	2630.7	2576.4	2531.9	2487.2
2520.4	37.5°	2550.0	2579.5	2592.5	2605.5	2557.6	2509.7	2455.5	2401.4	2369.4	2337.3
2408.7	40°	2433.8	2458.8	2455.8	2452.6	2397.4	2342.3	2290.0	2237.7	2214.6	2191.5
2295.5	42.5°	2316.6	2337.7	2321.8	2305.9	2246.4	2186.9	2137.2	2087.7	2068.8	2049.9
2184.1	45°	2203.1	2222.2	2199.4	2176.5	2114.8	2053.1	2006.1	1959.0	1943.0	1927.2
2096.0	47.5°	2109.3	2122.6	2096.3	2070.0	2009.1	1948.2	1902.3	1856.2	1841.4	1826.5
2043.4	50°	2044.0	2044.8	2011.1	1977.3	1922.8	1868.3	1824.9	1781.5	1758.1	1734.9
2008.0	52.5°	2000.8	1993.6	1953.6	1913.6	1862.7	1811.9	1772.2	1732.4	1697.5	1662.5
1974.8	55°	1964.8	1954.9	1912.4	1870.1	1825.6	1781.1	1738.2	1695.3	1645.8	1596.1
1939.7	57.5°	1929.6	1919.5	1876.8	1834.1	1789.9	1745.9	1695.6	1645.2	1591.8	1538.4
1890.8	60°	1879.7	1868.7	1825.8	1782.9	1738.0	1693.4	1635.5	1577.7	1530.9	1484.0
1812.9	62.5°	1802.3	1791.6	1752.3	1713.0	1665.3	1617.5	1550.0	1482.6	1452.9	1423.1
1707.7	65°	1697.0	1686.0	1651.4	1616.8	1571.2	1525.5	1453.1	1380.9	1369.6	1358.1
1587.8	67.5°	1577.3	1566.6	1536.7	1506.8	1463.7	1420.4	1353.5	1286.8	1290.4	1294.0
1459.5	70°	1449.3	1439.0	1412.1	1385.1	1347.7	1310.4	1251.7	1193.0	1205.5	1217.9
1318.4	72.5°	1306.2	1294.0	1267.6	1241.2	1207.4	1173.6	1127.6	1081.4	1099.5	1117.7
1150.1	75°	1137.4	1124.7	1100.6	1076.5	1045.9	1015.3	981.0	946.7	964.3	981.7
986.8	77.5°	974.9	963.0	937.9	912.5	886.3	860.0	832.1	804.2	821.9	839.6
802.5	80°	786.8	771.0	751.9	732.7	710.5	688.4	665.3	642.0	657.0	671.8
599.1	82.5°	572.3	545.4	504.5	463.5	471.3	479.0	481.0	482.9	493.4	503.9
380.5	85°	347.3	314.1	275.6	237.3	258.7	280.2	290.3	300.3	312.0	323.8
164.9	87.5°	151.5	138.1	121.9	105.9	122.3	138.6	139.1	139.5	141.7	143.9
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°
3605.9	0°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
3541.7	2.5°	3568.3	3601.0	3630.5	3661.0	3691.4	3723.2	3755.0	3786.6	3818.3	3848.0
3486.6	5°	3536.7	3594.1	3652.2	3713.8	3775.4	3841.3	3907.3	3972.7	4038.3	4104.0
3458.7	7.5°	3525.4	3599.7	3678.9	3764.9	3850.8	3948.4	4045.9	4146.1	4246.3	4354.6
3460.6	10°	3530.9	3610.7	3708.6	3810.4	3912.0	4030.5	4149.0	4281.3	4413.7	4550.8
3480.2	12.5°	3537.8	3612.1	3714.9	3829.9	3944.9	4084.6	4224.4	4374.4	4524.4	4674.9
3480.8	15°	3508.3	3567.8	3681.7	3814.8	3947.9	4108.9	4269.8	4432.5	4595.2	4752.3
3428.5	17.5°	3418.4	3455.1	3589.0	3749.1	3909.2	4096.0	4282.8	4460.3	4637.8	4797.1
3318.8	20°	3271.7	3281.4	3437.4	3635.8	3834.2	4060.6	4286.9	4482.0	4677.1	4842.8
3174.9	22.5°	3105.3	3086.3	3263.8	3502.8	3741.8	4017.1	4292.5	4511.4	4730.1	4899.4
3024.0	25°	2943.8	2892.6	3074.6	3354.3	3634.3	3974.2	4314.3	4564.5	4814.5	4980.2
2880.1	27.5°	2802.7	2740.4	2906.0	3218.6	3531.2	3945.6	4360.0	4647.5	4934.9	5093.1
2740.0	30°	2678.5	2629.7	2768.8	3105.1	3441.5	3932.2	4422.5	4755.0	5087.5	5240.2
2606.2	32.5°	2569.8	2548.1	2660.1	3007.3	3354.3	3915.6	4476.5	4867.3	5258.0	5409.1
2477.1	35°	2467.1	2476.1	2569.5	2911.1	3252.8	3884.3	4516.1	4995.1	5474.1	5619.0
2348.4	37.5°	2359.5	2392.4	2474.0	2798.0	3121.9	3830.7	4539.6	5138.3	5737.0	5921.6
2216.5	40°	2241.6	2292.1	2366.1	2662.9	2959.7	3757.0	4554.4	5320.1	6085.7	6354.7
2083.1	42.5°	2116.3	2180.0	2248.2	2513.9	2779.6	3680.9	4582.5	5558.0	6533.5	6921.8
1959.4	45°	1991.8	2053.4	2122.6	2355.6	2588.6	3610.2	4631.9	5871.0	7110.1	7633.8
1853.6	47.5°	1880.7	1933.7	2023.0	2230.4	2437.8	3551.8	4665.8	6204.5	7743.1	8480.3
1758.8	50°	1782.9	1844.5	1961.8	2147.2	2332.6	3488.1	4643.7	6513.8	8384.0	9495.4
1686.2	52.5°	1710.0	1796.0	1930.9	2092.4	2254.0	3380.6	4507.4	6714.8	8922.0	10561.7
1633.6	55°	1671.2	1800.9	1926.4	2052.7	2179.0	3202.4	4225.8	6670.5	9115.0	11507.0
1593.2	57.5°	1648.0	1805.7	1916.4	2005.7	2094.9	2951.1	3807.2	6358.9	8910.7	12177.0
1555.1	60°	1626.1	1790.5	1863.5	1933.7	2003.9	2624.9	3245.9	5779.0	8312.1	12344.4
1511.8	62.5°	1600.6	1753.1	1762.1	1808.6	1855.2	2234.4	2613.5	4994.8	7376.2	11639.4
1452.6	65°	1547.0	1663.2	1662.1	1684.1	1706.1	1883.1	2060.0	4194.8	6329.7	10641.9
1372.6	67.5°	1451.2	1516.5	1519.6	1507.4	1495.1	1545.4	1595.7	3411.1	5226.5	9454.9
1273.8	70°	1329.7	1351.2	1351.2	1294.3	1237.3	1223.0	1208.7	2685.7	4162.8	8159.6
1156.1	72.5°	1194.4	1194.1	1180.6	1099.9	1019.1	975.6	932.3	2053.3	3174.2	6755.4
1011.3	75°	1040.8	1046.1	983.5	893.0	802.5	763.2	723.9	1490.2	2256.5	5145.8
863.3	77.5°	886.9	889.7	786.6	698.8	610.9	584.1	557.3	1009.8	1462.3	3601.6
691.7	80°	711.5	711.9	588.8	514.5	440.0	428.9	417.9	650.6	883.5	2320.4
513.6	82.5°	523.3	517.5	412.3	357.5	302.8	300.5	298.6	400.2	502.0	1343.0
334.2	85°	344.5	336.9	258.7	218.6	178.5	179.6	180.6	213.9	247.4	604.1
148.1	87.5°	152.2	142.5	110.0	93.5	77.2	78.2	79.1	88.7	98.2	197.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3605.9	0°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
3877.8	2.5°	3892.4	3907.3	3928.1	3949.0	3961.5	3973.9	3980.2	3986.4	3983.6	3986.4
4169.7	5°	4221.1	4272.5	4323.5	4374.5	4402.2	4429.9	4446.6	4463.5	4476.2	4463.5
4463.1	7.5°	4546.7	4630.1	4705.2	4780.4	4825.6	4870.9	4895.3	4919.7	4931.5	4919.7
4687.9	10°	4786.7	4885.5	4973.7	5061.8	5115.2	5168.3	5192.1	5215.8	5224.8	5215.8
4825.6	12.5°	4932.7	5039.7	5119.4	5198.8	5237.5	5276.3	5289.3	5302.3	5303.7	5302.3
4909.3	15°	5001.8	5094.0	5144.0	5194.1	5195.5	5196.9	5183.0	5169.2	5152.9	5169.2
4956.4	17.5°	5018.8	5081.2	5082.1	5083.0	5026.9	4970.9	4919.6	4868.1	4831.8	4868.1
5008.3	20°	5030.0	5051.8	4986.1	4920.4	4796.7	4673.0	4582.9	4492.8	4437.5	4492.8
5068.4	22.5°	5039.9	5011.4	4875.3	4739.1	4557.2	4375.2	4262.6	4150.0	4088.8	4150.0
5145.9	25°	5056.0	4966.1	4759.3	4552.6	4331.6	4110.7	3992.2	3874.0	3816.2	3874.0
5251.1	27.5°	5090.3	4929.4	4655.6	4381.9	4136.9	3892.0	3775.5	3659.2	3604.5	3659.2
5392.9	30°	5153.1	4913.5	4576.4	4239.3	3984.2	3729.0	3621.0	3512.9	3462.0	3512.9
5560.3	32.5°	5232.0	4903.8	4522.4	4141.1	3901.3	3661.5	3576.7	3491.7	3455.1	3491.7
5763.7	35°	5361.9	4960.2	4562.8	4165.6	3999.0	3832.5	3812.7	3793.0	3789.9	3793.0
6106.2	37.5°	5633.5	5160.9	4799.7	4438.6	4427.8	4417.0	4507.5	4598.0	4645.0	4598.0
6623.7	40°	6109.7	5595.6	5327.1	5058.5	5248.0	5437.6	5657.6	5877.6	5987.2	5877.6
7310.0	42.5°	6800.0	6290.0	6135.3	5980.6	6394.0	6807.5	7207.6	7607.8	7842.7	7607.8
8157.5	45°	7699.4	7241.1	7172.9	7104.5	7766.9	8429.4	9086.9	9744.6	10143.8	9744.6
9217.4	47.5°	8771.7	8325.9	8312.1	8298.2	9253.8	10209.1	11171.8	12134.2	12699.5	12134.2
10606.7	50°	10056.1	9505.7	9508.0	9510.4	10741.8	11973.3	13244.0	14514.6	15282.8	14514.6
12201.4	52.5°	11534.7	10868.2	10800.8	10733.3	12204.3	13675.3	15247.4	16819.4	17740.3	16819.4
13899.1	55°	13240.5	12581.9	12319.1	12056.3	13693.5	15330.6	17204.8	19079.0	20174.2	19079.0
15443.3	57.5°	15084.7	14725.9	14198.8	13671.9	15325.0	16978.1	19101.0	21223.7	22581.8	21223.7
16376.6	60°	16933.7	17490.9	16836.4	16181.9	17746.3	19310.7	21583.6	23856.4	25324.2	23856.4
15902.7	62.5°	17424.9	18947.1	18873.4	18799.5	20232.5	21665.8	23828.2	25990.5	27347.2	25990.5
14954.2	65°	16382.9	17811.5	18094.2	18376.7	20198.0	22019.3	24116.1	26212.8	27367.9	26212.8
13683.3	67.5°	15042.1	16400.8	16533.4	16665.8	18563.4	20460.9	22566.7	24672.5	25577.5	24672.5
12156.4	70°	13634.3	15112.4	15171.6	15230.9	16927.9	18624.7	20436.9	22249.0	22752.0	22249.0
10336.8	72.5°	12032.8	13728.9	13771.6	13814.0	15141.7	16469.3	17826.6	19183.7	19234.6	19183.7
8035.1	75°	9790.4	11545.8	11703.4	11861.0	12893.9	13926.8	14882.2	15837.7	15581.7	15837.7
5740.9	77.5°	7379.5	9018.2	9243.7	9469.3	10254.5	11039.7	11717.3	12395.1	11955.1	12395.1
3757.4	80°	5136.0	6514.4	6794.7	7075.1	7668.1	8260.9	8616.8	8972.5	8264.8	8972.5
2184.1	82.5°	3126.6	4069.1	4382.3	4695.5	5103.7	5511.9	5660.4	5808.7	5252.5	5808.7
961.0	85°	1461.2	1961.4	2227.7	2494.1	2829.5	3164.8	3249.0	3333.3	2887.8	3333.3
297.5	87.5°	465.6	633.7	782.3	930.9	1098.6	1266.4	1273.5	1280.6	1075.1	1280.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
3605.9	0°	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9	3605.9
3980.2	2.5°	3973.9	3961.5	3949.0	3928.1	3907.3	3892.4	3877.8
4446.6	5°	4429.9	4402.2	4374.5	4323.5	4272.5	4221.1	4169.7
4895.3	7.5°	4870.9	4825.6	4780.4	4705.2	4630.1	4546.7	4463.1
5192.1	10°	5168.3	5115.2	5061.8	4973.7	4885.5	4786.7	4687.9
5289.3	12.5°	5276.3	5237.5	5198.8	5119.4	5039.7	4932.7	4825.6
5183.0	15°	5196.9	5195.5	5194.1	5144.0	5094.0	5001.8	4909.3
4919.6	17.5°	4970.9	5026.9	5083.0	5082.1	5081.2	5018.8	4956.4
4582.9	20°	4673.0	4796.7	4920.4	4986.1	5051.8	5030.0	5008.3
4262.6	22.5°	4375.2	4557.2	4739.1	4875.3	5011.4	5039.9	5068.4
3992.2	25°	4110.7	4331.6	4552.6	4759.3	4966.1	5056.0	5145.9
3775.5	27.5°	3892.0	4136.9	4381.9	4655.6	4929.4	5090.3	5251.1
3621.0	30°	3729.0	3984.2	4239.3	4576.4	4913.5	5153.1	5392.9
3576.7	32.5°	3661.5	3901.3	4141.1	4522.4	4903.8	5232.0	5560.3
3812.7	35°	3832.5	3999.0	4165.6	4562.8	4960.2	5361.9	5763.7
4507.5	37.5°	4417.0	4427.8	4438.6	4799.7	5160.9	5633.5	6106.2
5657.6	40°	5437.6	5248.0	5058.5	5327.1	5595.6	6109.7	6623.7
7207.6	42.5°	6807.5	6394.0	5980.6	6135.3	6290.0	6800.0	7310.0
9086.9	45°	8429.4	7766.9	7104.5	7172.9	7241.1	7699.4	8157.5
11171.8	47.5°	10209.1	9253.8	8298.2	8312.1	8325.9	8771.7	9217.4
13244.0	50°	11973.3	10741.8	9510.4	9508.0	9505.7	10056.1	10606.7
15247.4	52.5°	13675.3	12204.3	10733.3	10800.8	10868.2	11534.7	12201.4
17204.8	55°	15330.6	13693.5	12056.3	12319.1	12581.9	13240.5	13899.1
19101.0	57.5°	16978.1	15325.0	13671.9	14198.8	14725.9	15084.7	15443.3
21583.6	60°	19310.7	17746.3	16181.9	16836.4	17490.9	16933.7	16376.6
23828.2	62.5°	21665.8	20232.5	18799.5	18873.4	18947.1	17424.9	15902.7
24116.1	65°	22019.3	20198.0	18376.7	18094.2	17811.5	16382.9	14954.2
22566.7	67.5°	20460.9	18563.4	16665.8	16533.4	16400.8	15042.1	13683.3
20436.9	70°	18624.7	16927.9	15230.9	15171.6	15112.4	13634.3	12156.4
17826.6	72.5°	16469.3	15141.7	13814.0	13771.6	13728.9	12032.8	10336.8
14882.2	75°	13926.8	12893.9	11861.0	11703.4	11545.8	9790.4	8035.1
11717.3	77.5°	11039.7	10254.5	9469.3	9243.7	9018.2	7379.5	5740.9
8616.8	80°	8260.9	7668.1	7075.1	6794.7	6514.4	5136.0	3757.4
5660.4	82.5°	5511.9	5103.7	4695.5	4382.3	4069.1	3126.6	2184.1
3249.0	85°	3164.8	2829.5	2494.1	2227.7	1961.4	1461.2	961.0
1273.5	87.5°	1266.4	1098.6	930.9	782.3	633.7	465.6	297.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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