

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: P954061

Luminaire Tested: **GALN-SB7B-935-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954061
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-SB7B-935-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27758 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

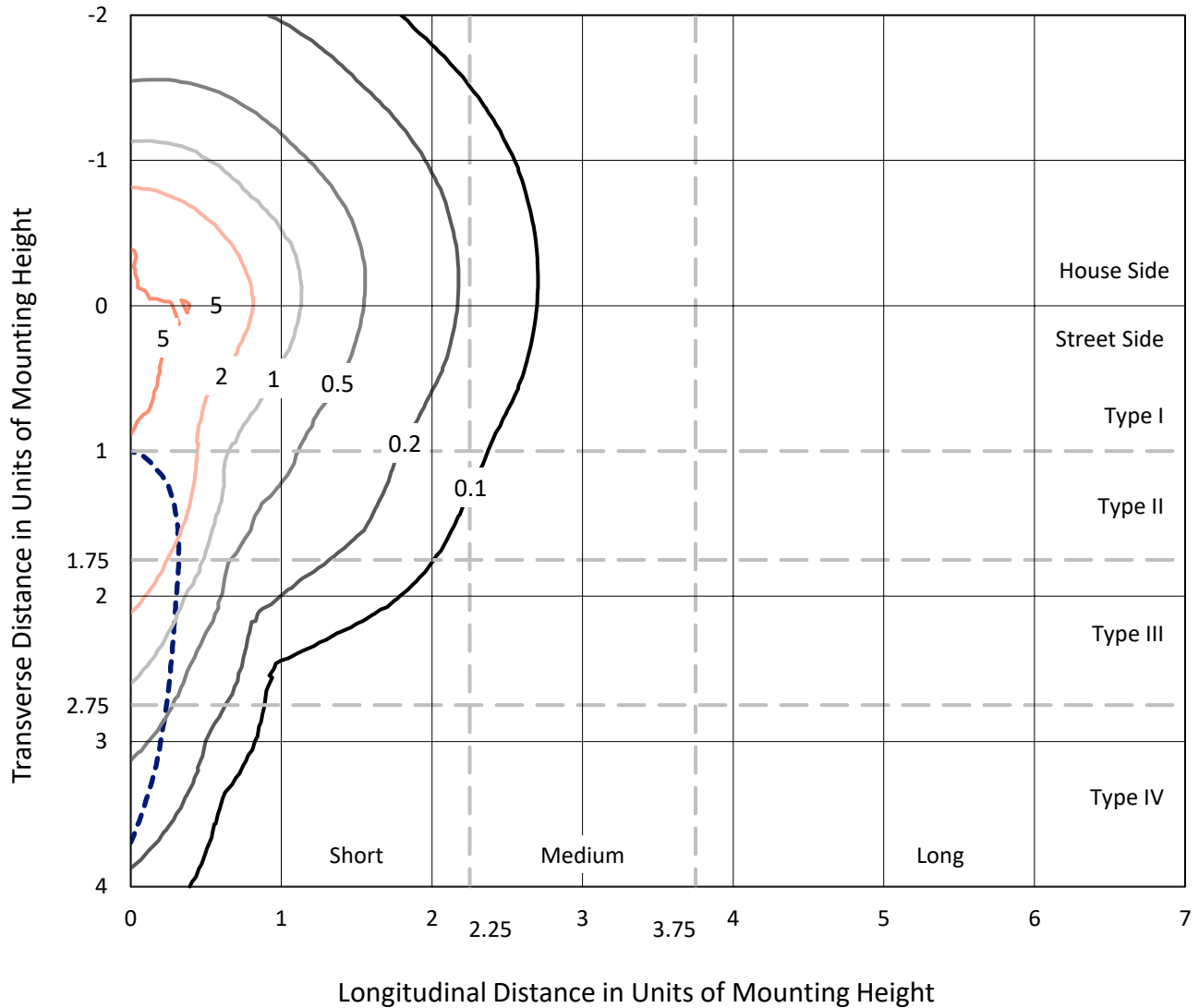
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

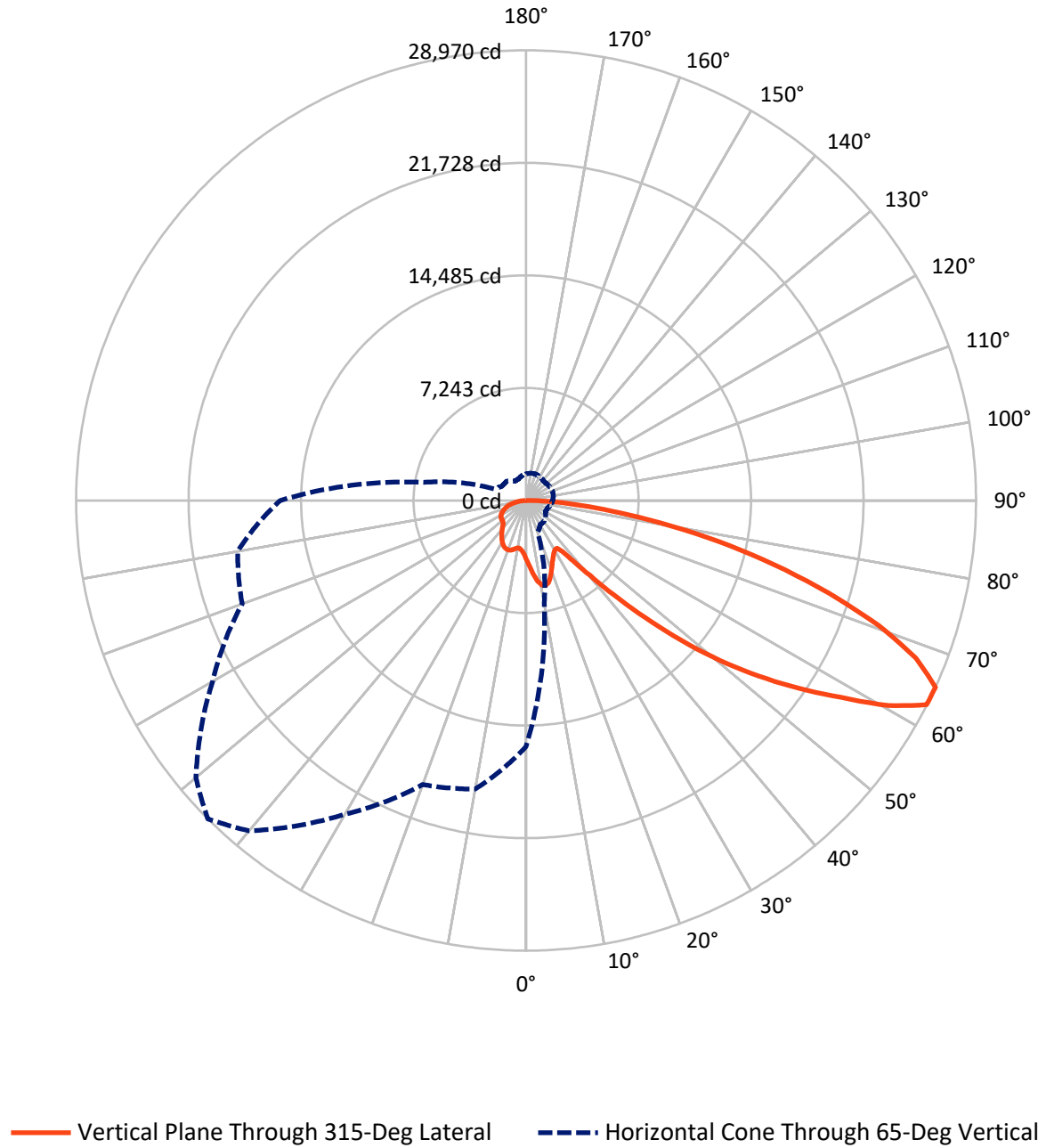
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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	7054.7	0.0	7054.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	20703.3	0.0	20703.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	27758.0	0.0	27758.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.6	1.4
10°-20°	1188.6	4.3
20°-30°	1836.0	6.6
30°-40°	2326.7	8.4
40°-50°	3509.2	12.6
50°-60°	5669.7	20.4
60°-70°	7068.2	25.5
70°-80°	4635.0	16.7
80°-90°	1145.9	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°	27758.0	100.0
0°-180°	27758.0	100.0



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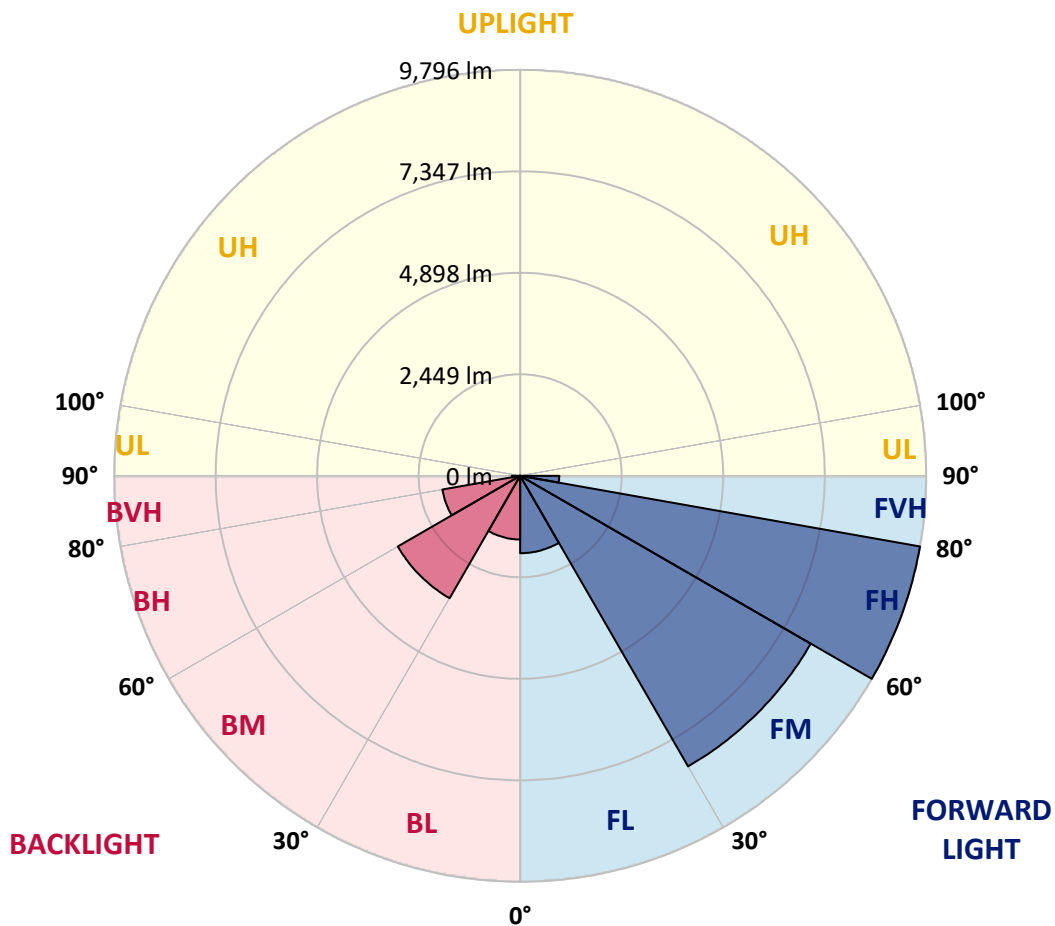
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1867.0	6.7			
FM (30°-60°)	8096.4	29.2			
FH (60°-80°)	9795.9	35.3			G4/12000
FVH (80°-90°)	944.0	3.4			G5
BL (0°-30°)	1536.2	5.5	B3/2500		
BM (30°-60°)	3409.3	12.3	B3/5000		
BH (60°-80°)	1907.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	201.9	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°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
2.5°	4104.8	4073.3	4041.8	4008.3	3974.9	3941.2	3907.5	3875.3	3843.0	3811.8
5°	4413.8	4344.2	4274.7	4205.3	4136.0	4066.1	3996.4	3931.2	3866.0	3804.5
7.5°	4724.3	4609.5	4494.8	4388.8	4282.7	4179.5	4076.2	3985.3	3894.3	3810.4
10°	4962.3	4817.2	4672.0	4531.9	4391.9	4266.5	4141.0	4033.4	3925.6	3822.1
12.5°	5108.1	4948.6	4789.2	4630.4	4471.7	4323.7	4175.8	4054.1	3932.4	3823.6
15°	5196.7	5030.5	4864.2	4692.0	4519.7	4349.4	4179.0	4038.1	3897.2	3776.7
17.5°	5246.5	5077.9	4909.3	4721.4	4533.5	4335.8	4138.0	3968.6	3799.1	3657.3
20°	5301.4	5126.2	4950.9	4744.4	4537.9	4298.3	4058.6	3848.6	3638.6	3473.5
22.5°	5365.1	5186.1	5007.0	4775.5	4543.7	4252.3	3960.8	3707.8	3454.9	3267.0
25°	5447.2	5271.7	5096.4	4831.7	4566.9	4206.9	3847.0	3550.7	3254.5	3061.9
27.5°	5558.5	5391.2	5223.8	4919.6	4615.2	4176.5	3737.9	3407.0	3076.1	2900.8
30°	5708.6	5546.9	5385.3	5033.4	4681.4	4162.3	3643.0	3286.9	2930.8	2783.6
32.5°	5885.8	5725.7	5565.8	5152.2	4738.5	4144.8	3550.7	3183.3	2815.9	2697.2
35°	6101.1	5947.9	5794.6	5287.5	4780.4	4111.7	3443.2	3081.5	2719.9	2621.1
37.5°	6463.6	6268.3	6072.9	5439.1	4805.3	4055.0	3304.6	2961.7	2618.9	2532.4
40°	7011.4	6726.7	6442.0	5631.6	4821.0	3976.9	3133.0	2818.8	2504.6	2426.2
42.5°	7737.9	7326.9	6915.9	5883.3	4850.7	3896.3	2942.3	2661.0	2379.8	2307.6
45°	8635.0	8080.7	7526.3	6214.7	4903.0	3821.5	2740.1	2493.5	2246.8	2173.6
47.5°	9757.0	8976.7	8196.4	6567.6	4938.9	3759.7	2580.5	2360.9	2141.4	2046.9
50°	11227.5	10051.2	8874.8	6895.1	4915.5	3692.3	2469.2	2272.9	2076.6	1952.4
52.5°	12915.6	11179.9	9444.3	7107.8	4771.2	3578.5	2386.0	2214.9	2044.0	1901.2
55°	14712.7	12180.6	9648.6	7060.9	4473.1	3389.9	2306.6	2172.9	2039.1	1906.3
57.5°	16347.3	12889.8	9432.3	6731.1	4030.1	3123.9	2217.5	2123.1	2028.6	1911.4
60°	17335.3	13067.0	8798.6	6117.2	3435.9	2778.5	2121.2	2046.9	1972.6	1895.3
62.5°	16833.6	12320.8	7807.9	5287.2	2766.5	2365.2	1963.8	1914.5	1865.3	1855.8
65°	15829.6	11264.9	6700.2	4440.3	2180.6	1993.3	1806.0	1782.7	1759.4	1760.5
67.5°	14484.3	10008.3	5532.4	3610.7	1689.1	1635.9	1582.6	1595.6	1608.5	1605.3
70°	12868.0	8637.2	4406.5	2842.9	1279.4	1294.6	1309.7	1370.1	1430.3	1430.3
72.5°	10941.9	7150.9	3360.0	2173.4	986.9	1032.7	1078.7	1164.3	1249.7	1264.0
75°	8505.4	5447.0	2388.6	1577.5	766.3	807.9	849.5	945.3	1041.1	1107.3
77.5°	6077.0	3812.4	1547.9	1068.9	590.0	618.2	646.7	739.7	832.7	941.8
80°	3977.3	2456.3	935.2	688.7	442.3	454.1	465.8	544.6	623.2	753.6
82.5°	2312.0	1421.6	531.4	423.6	316.1	318.1	320.5	378.5	436.5	547.8
85°	1017.2	639.5	261.9	226.4	191.1	190.1	188.9	231.4	273.9	356.7
87.5°	314.9	209.4	104.0	93.9	83.8	82.8	81.7	99.0	116.4	150.9
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°
3817.0	0°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
3777.1	2.5°	3749.0	3721.0	3695.7	3670.5	3648.4	3626.3	3604.0	3581.9	3564.7	3547.5
3743.7	5°	3690.7	3637.5	3593.0	3548.6	3509.4	3470.1	3434.5	3398.8	3371.4	3343.9
3731.7	7.5°	3661.1	3590.7	3532.1	3473.5	3424.1	3374.6	3331.0	3287.5	3254.8	3222.3
3737.6	10°	3663.2	3588.8	3530.2	3471.6	3418.4	3365.1	3316.0	3267.0	3228.0	3188.9
3744.9	12.5°	3684.0	3623.3	3584.4	3545.7	3503.8	3462.2	3411.4	3360.7	3310.9	3261.1
3713.7	15°	3684.6	3655.6	3660.8	3666.1	3655.3	3644.4	3600.3	3556.3	3485.4	3414.5
3618.5	17.5°	3629.2	3639.7	3703.6	3767.5	3801.4	3835.3	3799.7	3764.2	3670.3	3576.5
3463.2	20°	3513.0	3562.8	3673.7	3784.7	3855.8	3926.8	3910.4	3893.9	3786.5	3679.3
3287.0	22.5°	3360.7	3434.4	3560.9	3687.8	3780.2	3872.6	3882.6	3892.4	3789.9	3687.3
3116.1	25°	3201.1	3286.0	3399.8	3513.8	3604.7	3695.7	3729.7	3763.5	3679.4	3595.5
2966.7	27.5°	3048.7	3130.8	3224.4	3317.8	3390.7	3463.7	3501.5	3539.4	3479.5	3419.7
2835.3	30°	2900.4	2965.7	3043.3	3120.9	3181.4	3242.1	3272.8	3303.6	3258.0	3212.3
2720.2	32.5°	2758.7	2797.3	2859.2	2921.3	2979.3	3037.5	3071.6	3105.9	3064.0	3021.9
2611.5	35°	2622.1	2632.8	2680.1	2727.2	2784.7	2842.2	2883.2	2924.2	2894.4	2864.6
2497.6	37.5°	2485.9	2474.1	2508.1	2542.0	2599.2	2656.6	2707.3	2758.0	2744.2	2730.5
2372.8	40°	2346.3	2319.8	2344.2	2368.7	2424.1	2479.4	2537.7	2596.2	2599.5	2602.7
2240.2	42.5°	2205.1	2169.9	2189.8	2209.9	2262.3	2314.9	2377.9	2440.9	2457.7	2474.6
2108.4	45°	2074.1	2040.0	2056.7	2073.7	2123.5	2173.3	2238.6	2303.9	2328.1	2352.3
1990.8	47.5°	1962.1	1933.4	1949.2	1964.9	2013.6	2062.3	2126.7	2191.2	2219.0	2246.8
1887.2	50°	1861.8	1836.4	1861.0	1885.8	1931.8	1977.6	2035.3	2093.0	2128.8	2164.5
1810.1	52.5°	1784.9	1759.8	1796.9	1833.8	1876.0	1918.0	1971.8	2025.7	2068.0	2110.3
1769.0	55°	1729.2	1689.5	1742.1	1794.5	1839.9	1885.3	1932.5	1979.5	2024.3	2069.3
1744.4	57.5°	1686.4	1628.4	1685.0	1741.5	1794.8	1848.1	1894.7	1941.4	1986.7	2031.8
1721.3	60°	1646.2	1570.9	1620.5	1670.0	1731.3	1792.5	1839.8	1887.2	1932.6	1978.1
1694.3	62.5°	1600.3	1506.4	1537.9	1569.4	1640.7	1712.2	1762.7	1813.3	1854.9	1896.5
1637.5	65°	1537.6	1437.6	1449.7	1461.8	1538.2	1614.8	1663.1	1711.5	1748.1	1784.7
1536.2	67.5°	1453.0	1369.8	1366.0	1362.2	1432.8	1503.5	1549.3	1595.0	1626.7	1658.3
1407.6	70°	1348.4	1289.2	1276.0	1262.8	1325.0	1387.1	1426.6	1466.1	1494.7	1523.3
1264.3	72.5°	1223.7	1183.2	1163.8	1144.6	1193.6	1242.3	1278.1	1313.8	1341.8	1369.8
1101.7	75°	1070.5	1039.2	1020.7	1002.1	1038.5	1074.8	1107.2	1139.5	1165.0	1190.5
938.9	77.5°	913.8	888.8	870.0	851.3	880.9	910.3	938.1	966.0	992.8	1019.4
753.1	80°	732.2	711.1	695.4	679.6	704.2	728.7	752.1	775.5	795.9	816.1
553.9	82.5°	543.7	533.4	522.3	511.2	509.1	507.1	498.9	490.7	534.0	577.4
364.7	85°	353.7	342.7	330.3	317.8	307.3	296.6	273.9	251.2	291.8	332.5
161.1	87.5°	156.7	152.3	150.0	147.6	147.2	146.8	129.5	112.0	129.0	146.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3817.0	0°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
3533.5	2.5°	3519.6	3508.8	3498.0	3488.0	3477.9	3465.4	3477.9	3488.0	3498.0	3508.8
3324.7	5°	3305.5	3291.9	3278.3	3267.9	3257.5	3247.2	3257.5	3267.9	3278.3	3291.9
3199.5	7.5°	3176.6	3160.9	3145.4	3136.0	3126.8	3119.8	3126.8	3136.0	3145.4	3160.9
3163.4	10°	3137.6	3122.9	3108.1	3100.1	3092.2	3089.0	3092.2	3100.1	3108.1	3122.9
3228.2	12.5°	3195.2	3178.7	3162.3	3155.5	3148.8	3147.6	3148.8	3155.5	3162.3	3178.7
3364.4	15°	3314.3	3291.3	3268.4	3259.7	3250.9	3250.1	3250.9	3259.7	3268.4	3291.3
3502.6	17.5°	3428.8	3394.8	3360.7	3349.6	3338.3	3336.5	3338.3	3349.6	3360.7	3394.8
3588.8	20°	3498.4	3454.9	3411.2	3397.3	3383.4	3379.0	3383.4	3397.3	3411.2	3454.9
3594.2	22.5°	3500.9	3455.0	3409.0	3393.7	3378.3	3371.7	3378.3	3393.7	3409.0	3455.0
3512.6	25°	3430.0	3390.2	3350.5	3336.0	3321.6	3313.1	3321.6	3336.0	3350.5	3390.2
3355.4	27.5°	3291.1	3264.5	3237.7	3231.1	3224.5	3222.3	3224.5	3231.1	3237.7	3264.5
3166.4	30°	3120.1	3106.4	3092.7	3092.7	3092.7	3094.9	3092.7	3092.7	3092.7	3106.4
2985.2	32.5°	2948.4	2939.5	2930.5	2931.7	2933.0	2935.2	2933.0	2931.7	2930.5	2939.5
2830.6	35°	2796.8	2783.2	2769.7	2766.8	2763.9	2762.4	2763.9	2766.8	2769.7	2783.2
2699.3	37.5°	2667.9	2643.2	2618.6	2605.5	2592.5	2585.2	2592.5	2605.5	2618.6	2643.2
2576.2	40°	2549.7	2513.7	2478.0	2453.6	2429.6	2415.3	2429.6	2453.6	2478.0	2513.7
2452.2	42.5°	2429.9	2385.2	2340.6	2305.3	2270.0	2246.8	2270.0	2305.3	2340.6	2385.2
2332.1	45°	2312.0	2260.9	2209.9	2168.5	2127.0	2100.4	2127.0	2168.5	2209.9	2260.9
2232.8	47.5°	2218.7	2173.3	2127.9	2089.5	2051.3	2025.7	2051.3	2089.5	2127.9	2173.3
2163.6	50°	2163.0	2126.7	2090.4	2055.0	2019.5	1994.9	2019.5	2055.0	2090.4	2126.7
2117.9	52.5°	2125.5	2096.0	2066.4	2034.6	2003.0	1980.3	2003.0	2034.6	2066.4	2096.0
2079.8	55°	2090.4	2064.6	2038.8	2011.0	1983.2	1962.7	1983.2	2011.0	2038.8	2064.6
2042.5	57.5°	2053.2	2027.1	2001.1	1973.5	1945.8	1924.6	1945.8	1973.5	2001.1	2027.1
1989.8	60°	2001.5	1976.0	1950.7	1922.3	1893.8	1871.9	1893.8	1922.3	1950.7	1976.0
1907.7	62.5°	1919.0	1896.0	1873.0	1843.2	1813.3	1786.9	1813.3	1843.2	1873.0	1896.0
1796.3	65°	1807.7	1785.6	1763.5	1734.5	1705.6	1682.9	1705.6	1734.5	1763.5	1785.6
1669.6	67.5°	1680.7	1660.4	1640.2	1613.2	1586.3	1565.7	1586.3	1613.2	1640.2	1660.4
1534.1	70°	1544.9	1528.4	1511.8	1486.1	1460.3	1436.9	1460.3	1486.1	1511.8	1528.4
1382.7	72.5°	1395.6	1381.8	1368.0	1343.4	1318.9	1296.2	1318.9	1343.4	1368.0	1381.8
1204.0	75°	1217.4	1210.7	1204.0	1183.3	1162.7	1141.0	1162.7	1183.3	1204.0	1210.7
1032.0	77.5°	1044.6	1035.2	1025.6	1004.8	984.0	966.7	984.0	1004.8	1025.6	1035.2
832.8	80°	849.5	845.4	841.5	813.5	785.4	752.8	785.4	813.5	841.5	845.4
605.8	82.5°	634.2	632.5	630.5	607.0	583.2	562.4	583.2	607.0	630.5	632.5
367.6	85°	402.8	399.9	396.9	378.5	360.0	341.3	360.0	378.5	396.9	399.9
160.4	87.5°	174.6	171.1	167.3	157.9	148.2	139.1	148.2	157.9	167.3	171.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3817.0	0°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
3519.6	2.5°	3533.5	3547.5	3564.7	3581.9	3604.0	3626.3	3648.4	3670.5	3695.7	3721.0
3305.5	5°	3324.7	3343.9	3371.4	3398.8	3434.5	3470.1	3509.4	3548.6	3593.0	3637.5
3176.6	7.5°	3199.5	3222.3	3254.8	3287.5	3331.0	3374.6	3424.1	3473.5	3532.1	3590.7
3137.6	10°	3163.4	3188.9	3228.0	3267.0	3316.0	3365.1	3418.4	3471.6	3530.2	3588.8
3195.2	12.5°	3228.2	3261.1	3310.9	3360.7	3411.4	3462.2	3503.8	3545.7	3584.4	3623.3
3314.3	15°	3364.4	3414.5	3485.4	3556.3	3600.3	3644.4	3655.3	3666.1	3660.8	3655.6
3428.8	17.5°	3502.6	3576.5	3670.3	3764.2	3799.7	3835.3	3801.4	3767.5	3703.6	3639.7
3498.4	20°	3588.8	3679.3	3786.5	3893.9	3910.4	3926.8	3855.8	3784.7	3673.7	3562.8
3500.9	22.5°	3594.2	3687.3	3789.9	3892.4	3882.6	3872.6	3780.2	3687.8	3560.9	3434.4
3430.0	25°	3512.6	3595.5	3679.4	3763.5	3729.7	3695.7	3604.7	3513.8	3399.8	3286.0
3291.1	27.5°	3355.4	3419.7	3479.5	3539.4	3501.5	3463.7	3390.7	3317.8	3224.4	3130.8
3120.1	30°	3166.4	3212.3	3258.0	3303.6	3272.8	3242.1	3181.4	3120.9	3043.3	2965.7
2948.4	32.5°	2985.2	3021.9	3064.0	3105.9	3071.6	3037.5	2979.3	2921.3	2859.2	2797.3
2796.8	35°	2830.6	2864.6	2894.4	2924.2	2883.2	2842.2	2784.7	2727.2	2680.1	2632.8
2667.9	37.5°	2699.3	2730.5	2744.2	2758.0	2707.3	2656.6	2599.2	2542.0	2508.1	2474.1
2549.7	40°	2576.2	2602.7	2599.5	2596.2	2537.7	2479.4	2424.1	2368.7	2344.2	2319.8
2429.9	42.5°	2452.2	2474.6	2457.7	2440.9	2377.9	2314.9	2262.3	2209.9	2189.8	2169.9
2312.0	45°	2332.1	2352.3	2328.1	2303.9	2238.6	2173.3	2123.5	2073.7	2056.7	2040.0
2218.7	47.5°	2232.8	2246.8	2219.0	2191.2	2126.7	2062.3	2013.6	1964.9	1949.2	1933.4
2163.0	50°	2163.6	2164.5	2128.8	2093.0	2035.3	1977.6	1931.8	1885.8	1861.0	1836.4
2125.5	52.5°	2117.9	2110.3	2068.0	2025.7	1971.8	1918.0	1876.0	1833.8	1796.9	1759.8
2090.4	55°	2079.8	2069.3	2024.3	1979.5	1932.5	1885.3	1839.9	1794.5	1742.1	1689.5
2053.2	57.5°	2042.5	2031.8	1986.7	1941.4	1894.7	1848.1	1794.8	1741.5	1685.0	1628.4
2001.5	60°	1989.8	1978.1	1932.6	1887.2	1839.8	1792.5	1731.3	1670.0	1620.5	1570.9
1919.0	62.5°	1907.7	1896.5	1854.9	1813.3	1762.7	1712.2	1640.7	1569.4	1537.9	1506.4
1807.7	65°	1796.3	1784.7	1748.1	1711.5	1663.1	1614.8	1538.2	1461.8	1449.7	1437.6
1680.7	67.5°	1669.6	1658.3	1626.7	1595.0	1549.3	1503.5	1432.8	1362.2	1366.0	1369.8
1544.9	70°	1534.1	1523.3	1494.7	1466.1	1426.6	1387.1	1325.0	1262.8	1276.0	1289.2
1395.6	72.5°	1382.7	1369.8	1341.8	1313.8	1278.1	1242.3	1193.6	1144.6	1163.8	1183.2
1217.4	75°	1204.0	1190.5	1165.0	1139.5	1107.2	1074.8	1038.5	1002.1	1020.7	1039.2
1044.6	77.5°	1032.0	1019.4	992.8	966.0	938.1	910.3	880.9	851.3	870.0	888.8
849.5	80°	832.8	816.1	795.9	775.5	752.1	728.7	704.2	679.6	695.4	711.1
634.2	82.5°	605.8	577.4	534.0	490.7	498.9	507.1	509.1	511.2	522.3	533.4
402.8	85°	367.6	332.5	291.8	251.2	273.9	296.6	307.3	317.8	330.3	342.7
174.6	87.5°	160.4	146.2	129.0	112.0	129.5	146.8	147.2	147.6	150.0	152.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3817.0	0°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
3749.0	2.5°	3777.1	3811.8	3843.0	3875.3	3907.5	3941.2	3974.9	4008.3	4041.8	4073.3
3690.7	5°	3743.7	3804.5	3866.0	3931.2	3996.4	4066.1	4136.0	4205.3	4274.7	4344.2
3661.1	7.5°	3731.7	3810.4	3894.3	3985.3	4076.2	4179.5	4282.7	4388.8	4494.8	4609.5
3663.2	10°	3737.6	3822.1	3925.6	4033.4	4141.0	4266.5	4391.9	4531.9	4672.0	4817.2
3684.0	12.5°	3744.9	3823.6	3932.4	4054.1	4175.8	4323.7	4471.7	4630.4	4789.2	4948.6
3684.6	15°	3713.7	3776.7	3897.2	4038.1	4179.0	4349.4	4519.7	4692.0	4864.2	5030.5
3629.2	17.5°	3618.5	3657.3	3799.1	3968.6	4138.0	4335.8	4533.5	4721.4	4909.3	5077.9
3513.0	20°	3463.2	3473.5	3638.6	3848.6	4058.6	4298.3	4537.9	4744.4	4950.9	5126.2
3360.7	22.5°	3287.0	3267.0	3454.9	3707.8	3960.8	4252.3	4543.7	4775.5	5007.0	5186.1
3201.1	25°	3116.1	3061.9	3254.5	3550.7	3847.0	4206.9	4566.9	4831.7	5096.4	5271.7
3048.7	27.5°	2966.7	2900.8	3076.1	3407.0	3737.9	4176.5	4615.2	4919.6	5223.8	5391.2
2900.4	30°	2835.3	2783.6	2930.8	3286.9	3643.0	4162.3	4681.4	5033.4	5385.3	5546.9
2758.7	32.5°	2720.2	2697.2	2815.9	3183.3	3550.7	4144.8	4738.5	5152.2	5565.8	5725.7
2622.1	35°	2611.5	2621.1	2719.9	3081.5	3443.2	4111.7	4780.4	5287.5	5794.6	5947.9
2485.9	37.5°	2497.6	2532.4	2618.9	2961.7	3304.6	4055.0	4805.3	5439.1	6072.9	6268.3
2346.3	40°	2372.8	2426.2	2504.6	2818.8	3133.0	3976.9	4821.0	5631.6	6442.0	6726.7
2205.1	42.5°	2240.2	2307.6	2379.8	2661.0	2942.3	3896.3	4850.7	5883.3	6915.9	7326.9
2074.1	45°	2108.4	2173.6	2246.8	2493.5	2740.1	3821.5	4903.0	6214.7	7526.3	8080.7
1962.1	47.5°	1990.8	2046.9	2141.4	2360.9	2580.5	3759.7	4938.9	6567.6	8196.4	8976.7
1861.8	50°	1887.2	1952.4	2076.6	2272.9	2469.2	3692.3	4915.5	6895.1	8874.8	10051.2
1784.9	52.5°	1810.1	1901.2	2044.0	2214.9	2386.0	3578.5	4771.2	7107.8	9444.3	11179.9
1729.2	55°	1769.0	1906.3	2039.1	2172.9	2306.6	3389.9	4473.1	7060.9	9648.6	12180.6
1686.4	57.5°	1744.4	1911.4	2028.6	2123.1	2217.5	3123.9	4030.1	6731.1	9432.3	12889.8
1646.2	60°	1721.3	1895.3	1972.6	2046.9	2121.2	2778.5	3435.9	6117.2	8798.6	13067.0
1600.3	62.5°	1694.3	1855.8	1865.3	1914.5	1963.8	2365.2	2766.5	5287.2	7807.9	12320.8
1537.6	65°	1637.5	1760.5	1759.4	1782.7	1806.0	1993.3	2180.6	4440.3	6700.2	11264.9
1453.0	67.5°	1536.2	1605.3	1608.5	1595.6	1582.6	1635.9	1689.1	3610.7	5532.4	10008.3
1348.4	70°	1407.6	1430.3	1430.3	1370.1	1309.7	1294.6	1279.4	2842.9	4406.5	8637.2
1223.7	72.5°	1264.3	1264.0	1249.7	1164.3	1078.7	1032.7	986.9	2173.4	3360.0	7150.9
1070.5	75°	1101.7	1107.3	1041.1	945.3	849.5	807.9	766.3	1577.5	2388.6	5447.0
913.8	77.5°	938.9	941.8	832.7	739.7	646.7	618.2	590.0	1068.9	1547.9	3812.4
732.2	80°	753.1	753.6	623.2	544.6	465.8	454.1	442.3	688.7	935.2	2456.3
543.7	82.5°	553.9	547.8	436.5	378.5	320.5	318.1	316.1	423.6	531.4	1421.6
353.7	85°	364.7	356.7	273.9	231.4	188.9	190.1	191.1	226.4	261.9	639.5
156.7	87.5°	161.1	150.9	116.4	99.0	81.7	82.8	83.8	93.9	104.0	209.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3817.0	0°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
4104.8	2.5°	4120.3	4136.0	4158.1	4180.2	4193.4	4206.6	4213.2	4219.8	4216.8	4219.8
4413.8	5°	4468.2	4522.6	4576.5	4630.6	4659.9	4689.2	4706.9	4724.8	4738.2	4724.8
4724.3	7.5°	4812.8	4901.1	4980.7	5060.2	5108.1	5156.0	5181.9	5207.7	5220.1	5207.7
4962.3	10°	5066.9	5171.5	5264.8	5358.1	5414.6	5470.9	5496.1	5521.1	5530.6	5521.1
5108.1	12.5°	5221.4	5334.7	5419.0	5503.1	5544.1	5585.1	5598.9	5612.7	5614.1	5612.7
5196.7	15°	5294.5	5392.2	5445.1	5498.1	5499.6	5501.1	5486.4	5471.8	5454.5	5471.8
5246.5	17.5°	5312.6	5378.6	5379.6	5380.5	5321.2	5261.9	5207.5	5153.0	5114.7	5153.0
5301.4	20°	5324.4	5347.6	5278.0	5208.4	5077.5	4946.5	4851.2	4755.8	4697.2	4755.8
5365.1	22.5°	5335.0	5304.8	5160.7	5016.5	4823.9	4631.3	4512.1	4392.9	4328.1	4392.9
5447.2	25°	5352.0	5256.7	5037.9	4819.1	4585.2	4351.3	4225.9	4100.8	4039.6	4100.8
5558.5	27.5°	5388.3	5217.9	4928.1	4638.4	4379.1	4119.9	3996.5	3873.4	3815.5	3873.4
5708.6	30°	5454.8	5201.1	4844.3	4487.5	4217.4	3947.3	3832.9	3718.5	3664.6	3718.5
5885.8	32.5°	5538.3	5190.8	4787.2	4383.5	4129.7	3875.8	3786.1	3696.1	3657.3	3696.1
6101.1	35°	5675.8	5250.6	4829.9	4409.4	4233.1	4056.9	4035.9	4015.0	4011.8	4015.0
6463.6	37.5°	5963.3	5463.0	5080.7	4698.4	4687.0	4675.6	4771.4	4867.1	4916.9	4867.1
7011.4	40°	6467.3	5923.2	5638.9	5354.6	5555.2	5755.9	5988.8	6221.7	6337.7	6221.7
7737.9	42.5°	7198.0	6658.2	6494.4	6330.7	6768.3	7205.9	7629.5	8053.1	8301.8	8053.1
8635.0	45°	8150.1	7665.0	7592.8	7520.4	8221.6	8922.8	9618.9	10315.0	10737.6	10315.0
9757.0	47.5°	9285.2	8813.3	8798.6	8784.0	9795.5	10806.7	11825.7	12844.5	13442.9	12844.5
11227.5	50°	10644.7	10062.1	10064.6	10067.1	11370.6	12674.2	14019.2	15364.2	16177.4	15364.2
12915.6	52.5°	12209.9	11504.4	11433.0	11361.5	12918.7	14475.8	16139.9	17804.0	18778.7	17804.0
14712.7	55°	14015.6	13318.4	13040.2	12762.1	14495.1	16228.0	18211.9	20195.8	21355.1	20195.8
16347.3	57.5°	15967.7	15587.9	15030.0	14472.2	16222.1	17972.0	20219.1	22466.0	23903.6	22466.0
17335.3	60°	17924.9	18514.8	17822.0	17129.2	18785.1	20441.1	22847.0	25252.9	26806.6	25252.9
16833.6	62.5°	18444.9	20056.2	19978.1	19899.9	21416.9	22934.0	25223.0	27511.9	28948.0	27511.9
15829.6	65°	17341.8	18854.1	19153.4	19452.5	21380.3	23308.2	25527.8	27747.2	28970.0	27747.2
14484.3	67.5°	15922.6	17360.9	17501.2	17641.4	19650.0	21658.6	23887.7	26116.8	27074.7	26116.8
12868.0	70°	14432.4	15997.0	16059.7	16122.5	17918.8	19714.9	21633.2	23551.4	24083.8	23551.4
10941.9	72.5°	12737.2	14532.6	14577.7	14622.7	16028.0	17433.4	18870.1	20306.7	20360.6	20306.7
8505.4	75°	10363.5	12221.6	12388.4	12555.3	13648.6	14742.0	15753.4	16764.8	16493.8	16764.8
6077.0	77.5°	7811.4	9546.1	9784.8	10023.6	10854.8	11686.0	12403.2	13120.6	12654.9	13120.6
3977.3	80°	5436.6	6895.7	7192.5	7489.2	8117.0	8744.5	9121.2	9497.7	8748.6	9497.7
2312.0	82.5°	3309.6	4307.3	4638.8	4970.4	5402.5	5834.6	5991.7	6148.7	5559.9	6148.7
1017.2	85°	1546.7	2076.2	2358.1	2640.1	2995.1	3350.0	3439.2	3528.4	3056.8	3528.4
314.9	87.5°	492.9	670.8	828.1	985.4	1163.0	1340.5	1348.1	1355.6	1138.1	1355.6
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°
3817.0	0°	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0	3817.0
4213.2	2.5°	4206.6	4193.4	4180.2	4158.1	4136.0	4120.3	4104.8
4706.9	5°	4689.2	4659.9	4630.6	4576.5	4522.6	4468.2	4413.8
5181.9	7.5°	5156.0	5108.1	5060.2	4980.7	4901.1	4812.8	4724.3
5496.1	10°	5470.9	5414.6	5358.1	5264.8	5171.5	5066.9	4962.3
5598.9	12.5°	5585.1	5544.1	5503.1	5419.0	5334.7	5221.4	5108.1
5486.4	15°	5501.1	5499.6	5498.1	5445.1	5392.2	5294.5	5196.7
5207.5	17.5°	5261.9	5321.2	5380.5	5379.6	5378.6	5312.6	5246.5
4851.2	20°	4946.5	5077.5	5208.4	5278.0	5347.6	5324.4	5301.4
4512.1	22.5°	4631.3	4823.9	5016.5	5160.7	5304.8	5335.0	5365.1
4225.9	25°	4351.3	4585.2	4819.1	5037.9	5256.7	5352.0	5447.2
3996.5	27.5°	4119.9	4379.1	4638.4	4928.1	5217.9	5388.3	5558.5
3832.9	30°	3947.3	4217.4	4487.5	4844.3	5201.1	5454.8	5708.6
3786.1	32.5°	3875.8	4129.7	4383.5	4787.2	5190.8	5538.3	5885.8
4035.9	35°	4056.9	4233.1	4409.4	4829.9	5250.6	5675.8	6101.1
4771.4	37.5°	4675.6	4687.0	4698.4	5080.7	5463.0	5963.3	6463.6
5988.8	40°	5755.9	5555.2	5354.6	5638.9	5923.2	6467.3	7011.4
7629.5	42.5°	7205.9	6768.3	6330.7	6494.4	6658.2	7198.0	7737.9
9618.9	45°	8922.8	8221.6	7520.4	7592.8	7665.0	8150.1	8635.0
11825.7	47.5°	10806.7	9795.5	8784.0	8798.6	8813.3	9285.2	9757.0
14019.2	50°	12674.2	11370.6	10067.1	10064.6	10062.1	10644.7	11227.5
16139.9	52.5°	14475.8	12918.7	11361.5	11433.0	11504.4	12209.9	12915.6
18211.9	55°	16228.0	14495.1	12762.1	13040.2	13318.4	14015.6	14712.7
20219.1	57.5°	17972.0	16222.1	14472.2	15030.0	15587.9	15967.7	16347.3
22847.0	60°	20441.1	18785.1	17129.2	17822.0	18514.8	17924.9	17335.3
25223.0	62.5°	22934.0	21416.9	19899.9	19978.1	20056.2	18444.9	16833.6
25527.8	65°	23308.2	21380.3	19452.5	19153.4	18854.1	17341.8	15829.6
23887.7	67.5°	21658.6	19650.0	17641.4	17501.2	17360.9	15922.6	14484.3
21633.2	70°	19714.9	17918.8	16122.5	16059.7	15997.0	14432.4	12868.0
18870.1	72.5°	17433.4	16028.0	14622.7	14577.7	14532.6	12737.2	10941.9
15753.4	75°	14742.0	13648.6	12555.3	12388.4	12221.6	10363.5	8505.4
12403.2	77.5°	11686.0	10854.8	10023.6	9784.8	9546.1	7811.4	6077.0
9121.2	80°	8744.5	8117.0	7489.2	7192.5	6895.7	5436.6	3977.3
5991.7	82.5°	5834.6	5402.5	4970.4	4638.8	4307.3	3309.6	2312.0
3439.2	85°	3350.0	2995.1	2640.1	2358.1	2076.2	1546.7	1017.2
1348.1	87.5°	1340.5	1163.0	985.4	828.1	670.8	492.9	314.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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