

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: P953660

Luminaire Tested: **GALN-SB7A-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953660
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-SB7A-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19349 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

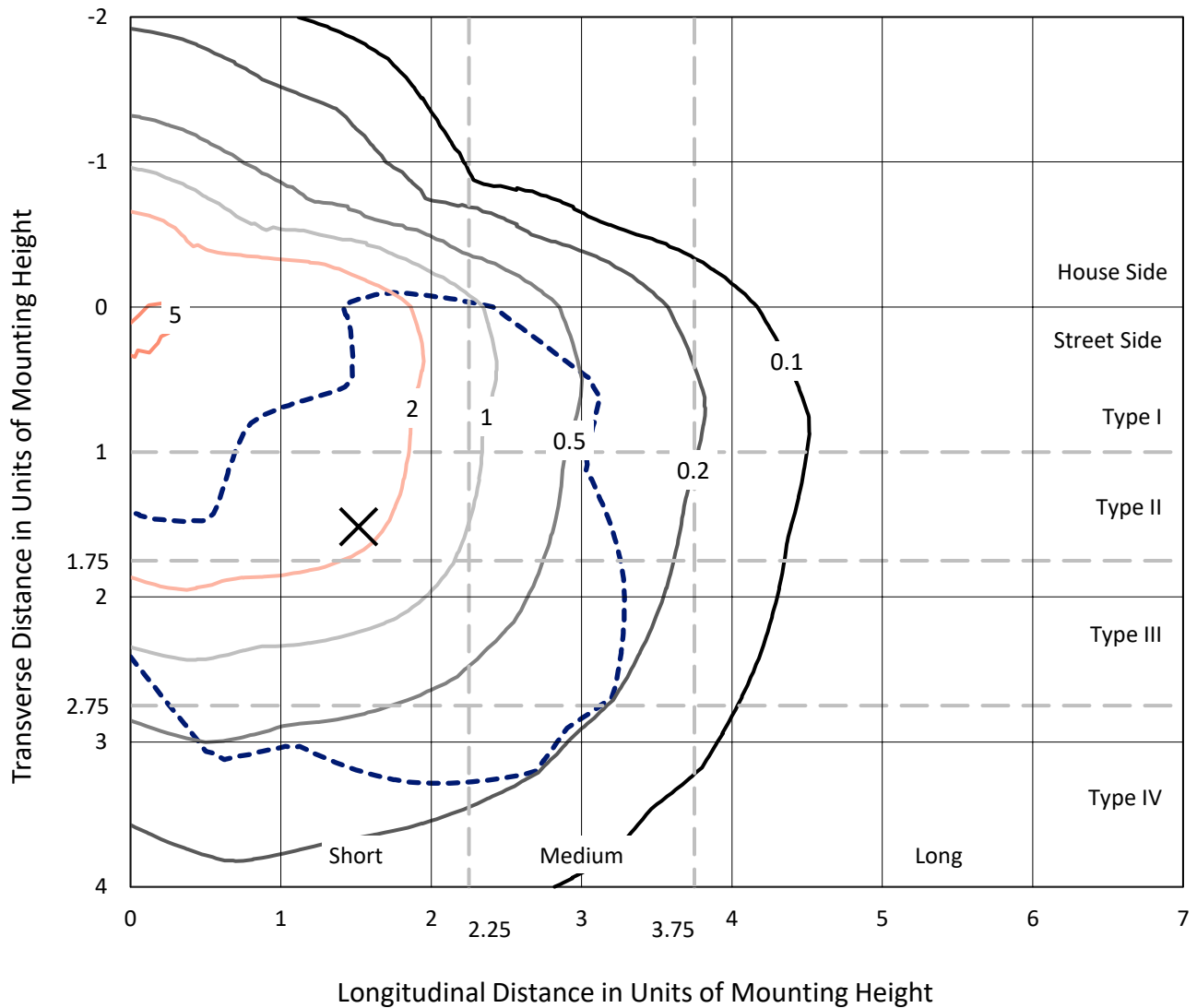
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

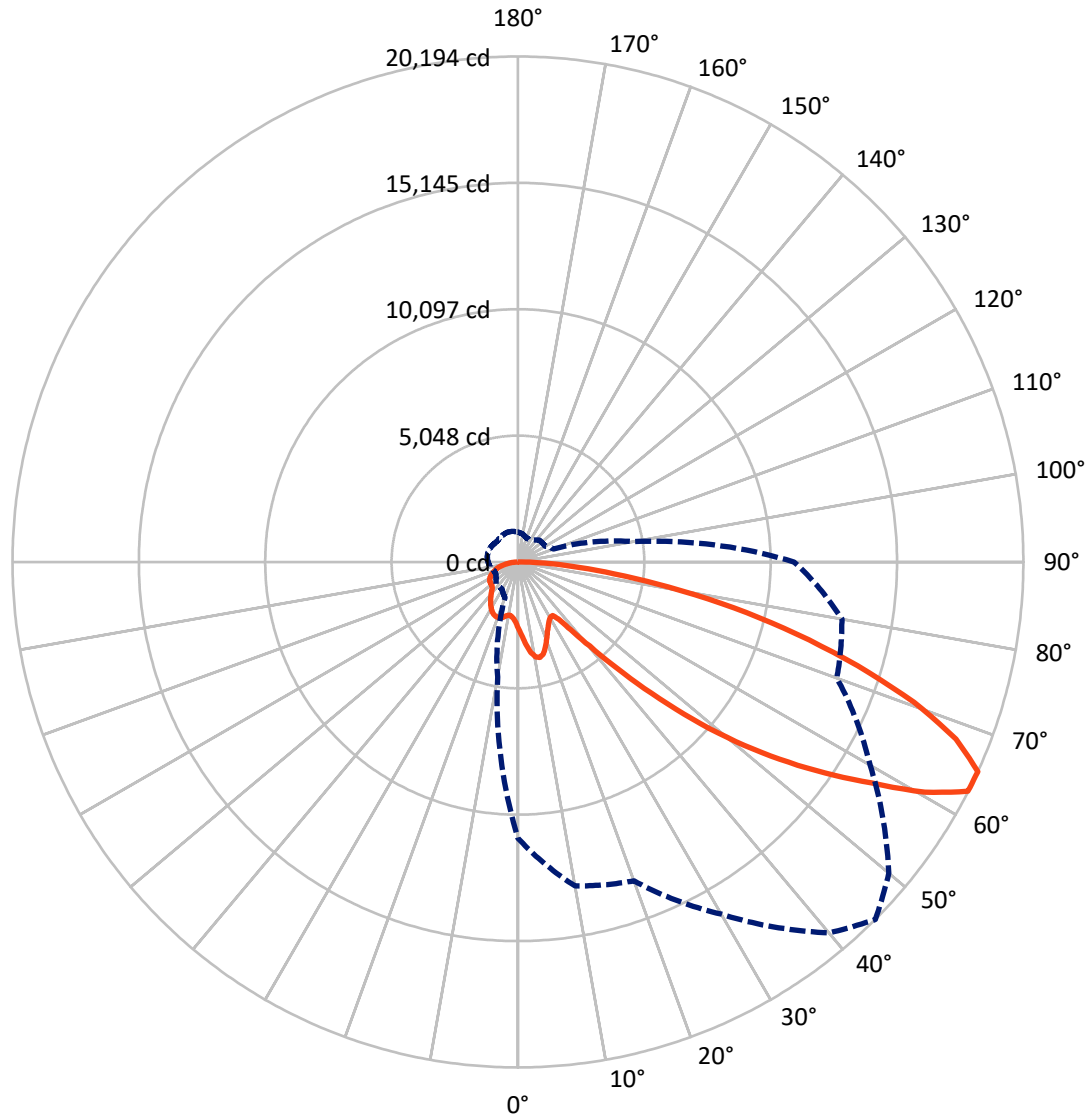
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4917.5	0.0	4917.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14431.5	0.0	14431.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	19349.0	0.0	19349.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	1.4
10°-20°	828.5	4.3
20°-30°	1279.8	6.6
30°-40°	1621.8	8.4
40°-50°	2446.2	12.6
50°-60°	3952.1	20.4
60°-70°	4927.0	25.5
70°-80°	3230.9	16.7
80°-90°	798.7	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°	19349.0	100.0
0°-180°	19349.0	100.0



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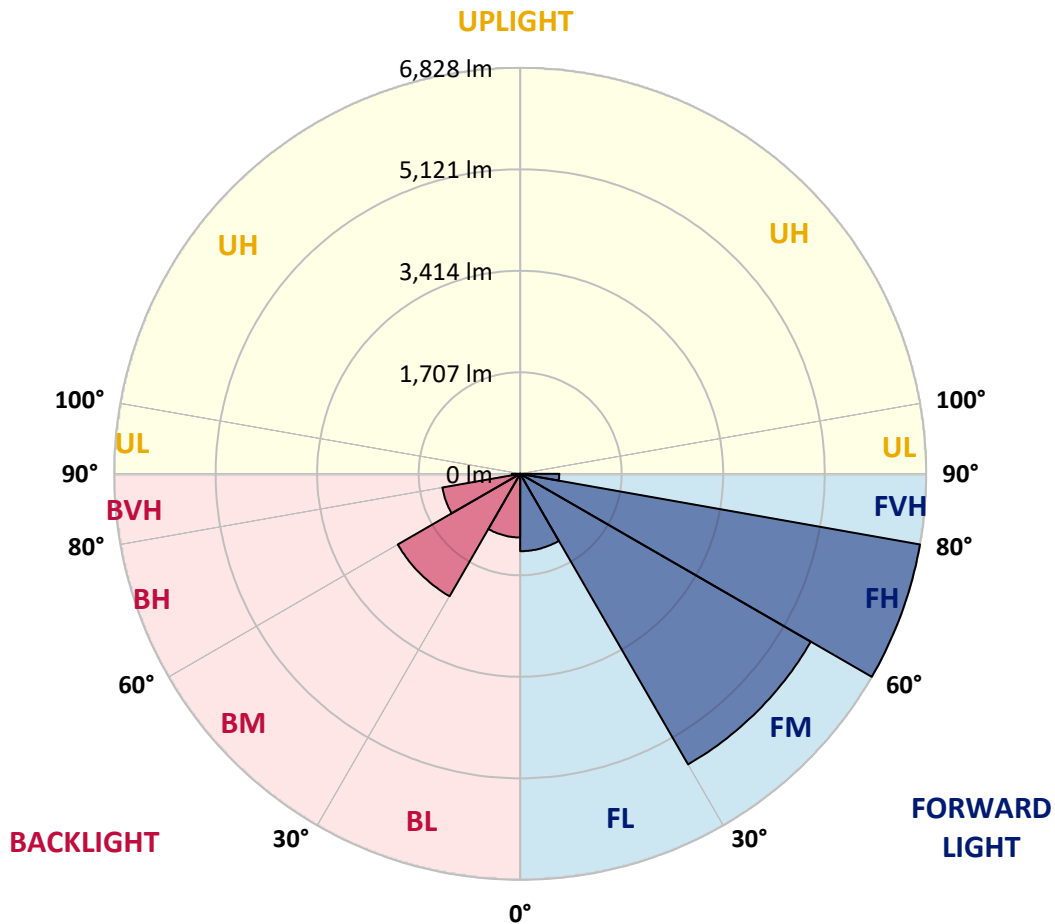
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.4	6.7			
FM (30°-60°)	5643.7	29.2			
FH (60°-80°)	6828.3	35.3			G3/7500
FVH (80°-90°)	658.0	3.4			G4/750
BL (0°-30°)	1070.9	5.5	B3/2500		
BM (30°-60°)	2376.5	12.3	B2/2500		
BH (60°-80°)	1329.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	140.8	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2.5°	2861.3	2872.1	2883.0	2898.4	2913.9	2923.0	2932.2	2936.8	2941.4	2939.4
5°	3076.7	3114.6	3152.6	3190.1	3227.8	3248.2	3268.6	3281.0	3293.5	3302.8
7.5°	3293.1	3354.8	3416.4	3471.8	3527.3	3560.6	3594.0	3612.1	3630.1	3638.7
10°	3459.1	3532.0	3604.8	3669.9	3734.9	3774.3	3813.5	3831.1	3848.6	3855.2
12.5°	3560.6	3639.7	3718.6	3777.4	3836.0	3864.6	3893.2	3902.8	3912.4	3913.4
15°	3622.4	3690.6	3758.7	3795.6	3832.5	3833.5	3834.6	3824.4	3814.1	3802.1
17.5°	3657.1	3703.2	3749.2	3749.9	3750.5	3709.2	3667.8	3630.0	3592.0	3565.2
20°	3695.4	3711.4	3727.6	3679.1	3630.6	3539.3	3448.0	3381.6	3315.1	3274.3
22.5°	3739.8	3718.8	3697.8	3597.3	3496.8	3362.6	3228.3	3145.2	3062.1	3017.0
25°	3797.0	3730.6	3664.3	3511.7	3359.2	3196.2	3033.1	2945.7	2858.5	2815.8
27.5°	3874.6	3756.0	3637.2	3435.2	3233.2	3052.5	2871.8	2785.8	2700.0	2659.6
30°	3979.2	3802.3	3625.5	3376.8	3128.1	2939.8	2751.5	2671.8	2592.0	2554.5
32.5°	4102.8	3860.5	3618.3	3336.9	3055.6	2878.6	2701.7	2639.1	2576.4	2549.4
35°	4252.9	3956.4	3660.0	3366.8	3073.6	2950.7	2827.9	2813.3	2798.7	2796.4
37.5°	4505.6	4156.8	3808.0	3541.5	3275.1	3267.1	3259.1	3325.9	3392.7	3427.4
40°	4887.4	4508.1	4128.8	3930.6	3732.5	3872.3	4012.2	4174.6	4336.9	4417.7
42.5°	5393.8	5017.5	4641.1	4527.0	4412.8	4717.9	5023.0	5318.2	5613.5	5786.9
45°	6019.1	5681.1	5343.0	5292.6	5242.2	5730.9	6219.8	6704.9	7190.2	7484.7
47.5°	6801.2	6472.4	6143.4	6133.2	6123.0	6828.1	7532.9	8243.2	8953.4	9370.5
50°	7826.3	7420.0	7013.9	7015.6	7017.3	7926.0	8834.7	9772.2	10709.8	11276.6
52.5°	9002.9	8511.0	8019.2	7969.5	7919.7	9005.1	10090.5	11250.5	12410.4	13089.9
55°	10255.7	9769.7	9283.7	9089.8	8895.9	10104.0	11311.9	12694.8	14077.7	14885.8
57.5°	11395.1	11130.4	10865.7	10476.8	10088.0	11307.8	12527.5	14093.9	15660.2	16662.3
60°	12083.7	12494.8	12905.9	12423.0	11940.1	13094.4	14248.7	15925.7	17602.8	18685.8
62.5°	11734.0	12857.2	13980.4	13926.0	13871.4	14928.9	15986.4	17582.0	19177.4	20178.5
65°	11034.2	12088.3	13142.5	13351.1	13559.5	14903.3	16247.2	17794.4	19341.5	20193.8
67.5°	10096.4	11099.0	12101.6	12199.4	12297.1	13697.3	15097.3	16651.1	18205.0	18872.7
70°	8969.8	10060.3	11150.9	11194.6	11238.4	12490.5	13742.5	15079.7	16416.7	16787.8
72.5°	7627.2	8878.6	10130.1	10161.5	10192.9	11172.5	12152.1	13153.6	14155.0	14192.5
75°	5928.8	7224.0	8519.2	8635.5	8751.8	9513.9	10276.1	10981.1	11686.1	11497.2
77.5°	4236.0	5445.1	6654.2	6820.6	6987.0	7566.4	8145.8	8645.8	9145.9	8821.2
80°	2772.5	3789.6	4806.7	5013.6	5220.4	5658.0	6095.4	6358.0	6620.5	6098.3
82.5°	1611.6	2307.0	3002.5	3233.5	3464.7	3765.9	4067.0	4176.6	4286.0	3875.6
85°	709.1	1078.1	1447.2	1643.8	1840.3	2087.8	2335.2	2397.3	2459.5	2130.8
87.5°	219.5	343.6	467.6	577.3	686.9	810.7	934.4	939.7	944.9	793.3
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°
2660.7	0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2941.4	2.5°	2936.8	2932.2	2923.0	2913.9	2898.4	2883.0	2872.1	2861.3	2839.3	2817.4
3293.5	5°	3281.0	3268.6	3248.2	3227.8	3190.1	3152.6	3114.6	3076.7	3028.2	2979.7
3630.1	7.5°	3612.1	3594.0	3560.6	3527.3	3471.8	3416.4	3354.8	3293.1	3213.1	3133.2
3848.6	10°	3831.1	3813.5	3774.3	3734.9	3669.9	3604.8	3532.0	3459.1	3357.9	3256.7
3912.4	12.5°	3902.8	3893.2	3864.6	3836.0	3777.4	3718.6	3639.7	3560.6	3449.5	3338.4
3814.1	15°	3824.4	3834.6	3833.5	3832.5	3795.6	3758.7	3690.6	3622.4	3506.5	3390.6
3592.0	17.5°	3630.0	3667.8	3709.2	3750.5	3749.9	3749.2	3703.2	3657.1	3539.6	3422.1
3315.1	20°	3381.6	3448.0	3539.3	3630.6	3679.1	3727.6	3711.4	3695.4	3573.3	3451.1
3062.1	22.5°	3145.2	3228.3	3362.6	3496.8	3597.3	3697.8	3718.8	3739.8	3615.1	3490.2
2858.5	25°	2945.7	3033.1	3196.2	3359.2	3511.7	3664.3	3730.6	3797.0	3674.7	3552.5
2700.0	27.5°	2785.8	2871.8	3052.5	3233.2	3435.2	3637.2	3756.0	3874.6	3758.0	3641.3
2592.0	30°	2671.8	2751.5	2939.8	3128.1	3376.8	3625.5	3802.3	3979.2	3866.5	3753.9
2576.4	32.5°	2639.1	2701.7	2878.6	3055.6	3336.9	3618.3	3860.5	4102.8	3991.2	3879.7
2798.7	35°	2813.3	2827.9	2950.7	3073.6	3366.8	3660.0	3956.4	4252.9	4146.1	4039.2
3392.7	37.5°	3325.9	3259.1	3267.1	3275.1	3541.5	3808.0	4156.8	4505.6	4369.4	4233.2
4336.9	40°	4174.6	4012.2	3872.3	3732.5	3930.6	4128.8	4508.1	4887.4	4688.9	4490.4
5613.5	42.5°	5318.2	5023.0	4717.9	4412.8	4527.0	4641.1	5017.5	5393.8	5107.3	4820.8
7190.2	45°	6704.9	6219.8	5730.9	5242.2	5292.6	5343.0	5681.1	6019.1	5632.7	5246.3
8953.4	47.5°	8243.2	7532.9	6828.1	6123.0	6133.2	6143.4	6472.4	6801.2	6257.3	5713.4
10709.8	50°	9772.2	8834.7	7926.0	7017.3	7015.6	7013.9	7420.0	7826.3	7006.3	6186.3
12410.4	52.5°	11250.5	10090.5	9005.1	7919.7	7969.5	8019.2	8511.0	9002.9	7793.1	6583.2
14077.7	55°	12694.8	11311.9	10104.0	8895.9	9089.8	9283.7	9769.7	10255.7	8490.6	6725.7
15660.2	57.5°	14093.9	12527.5	11307.8	10088.0	10476.8	10865.7	11130.4	11395.1	8985.0	6574.9
17602.8	60°	15925.7	14248.7	13094.4	11940.1	12423.0	12905.9	12494.8	12083.7	9108.5	6133.2
19177.4	62.5°	17582.0	15986.4	14928.9	13871.4	13926.0	13980.4	12857.2	11734.0	8588.3	5442.6
19341.5	65°	17794.4	16247.2	14903.3	13559.5	13351.1	13142.5	12088.3	11034.2	7852.3	4670.4
18205.0	67.5°	16651.1	15097.3	13697.3	12297.1	12199.4	12101.6	11099.0	10096.4	6976.4	3856.4
16416.7	70°	15079.7	13742.5	12490.5	11238.4	11194.6	11150.9	10060.3	8969.8	6020.7	3071.6
14155.0	72.5°	13153.6	12152.1	11172.5	10192.9	10161.5	10130.1	8878.6	7627.2	4984.6	2342.1
11686.1	75°	10981.1	10276.1	9513.9	8751.8	8635.5	8519.2	7224.0	5928.8	3796.9	1665.0
9145.9	77.5°	8645.8	8145.8	7566.4	6987.0	6820.6	6654.2	5445.1	4236.0	2657.5	1079.0
6620.5	80°	6358.0	6095.4	5658.0	5220.4	5013.6	4806.7	3789.6	2772.5	1712.2	651.9
4286.0	82.5°	4176.6	4067.0	3765.9	3464.7	3233.5	3002.5	2307.0	1611.6	991.0	370.4
2459.5	85°	2397.3	2335.2	2087.8	1840.3	1643.8	1447.2	1078.1	709.1	445.8	182.5
944.9	87.5°	939.7	934.4	810.7	686.9	577.3	467.6	343.6	219.5	146.0	72.5
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°
2660.7	0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2794.0	2.5°	2770.7	2747.2	2723.8	2701.3	2678.8	2657.1	2632.9	2613.3	2593.8	2576.1
2931.3	5°	2883.0	2834.3	2785.7	2740.3	2694.9	2652.0	2609.6	2572.6	2535.6	2504.5
3059.2	7.5°	2985.3	2913.3	2841.4	2778.0	2714.6	2656.1	2601.2	2552.0	2502.9	2462.1
3159.0	10°	3061.4	2974.0	2886.5	2811.6	2736.4	2664.2	2605.3	2553.5	2501.6	2460.7
3227.7	12.5°	3117.0	3013.9	2910.8	2825.9	2741.1	2665.2	2610.4	2567.9	2525.7	2498.5
3270.6	15°	3150.5	3031.8	2913.0	2814.8	2716.6	2632.6	2588.7	2568.4	2548.1	2551.8
3291.1	17.5°	3160.1	3022.3	2884.5	2766.3	2648.2	2549.4	2522.3	2529.8	2537.1	2581.6
3307.1	20°	3163.2	2996.1	2829.1	2682.7	2536.3	2421.2	2414.1	2448.8	2483.5	2560.8
3328.8	22.5°	3167.3	2964.1	2760.9	2584.6	2408.3	2277.3	2291.3	2342.6	2394.0	2482.2
3368.0	25°	3183.4	2932.4	2681.6	2475.0	2268.6	2134.3	2172.1	2231.3	2290.6	2369.9
3429.2	27.5°	3217.1	2911.3	2605.5	2374.9	2144.2	2022.0	2068.0	2125.2	2182.3	2247.6
3508.6	30°	3263.2	2901.4	2539.4	2291.2	2043.0	1940.4	1976.4	2021.7	2067.3	2121.4
3591.4	32.5°	3303.0	2889.1	2475.0	2219.0	1962.8	1880.1	1896.1	1923.0	1949.9	1993.0
3685.7	35°	3332.2	2866.1	2400.1	2148.0	1895.9	1827.0	1820.4	1827.7	1835.2	1868.2
3791.4	37.5°	3349.6	2826.6	2303.5	2064.5	1825.5	1765.3	1741.0	1732.8	1724.6	1748.3
3925.5	40°	3360.5	2772.1	2183.9	1964.9	1745.9	1691.2	1654.0	1635.5	1617.0	1634.1
4101.0	42.5°	3381.3	2716.0	2050.9	1854.9	1658.9	1608.5	1561.6	1537.1	1512.6	1526.5
4332.0	45°	3417.7	2663.8	1910.0	1738.1	1566.2	1515.1	1469.7	1445.8	1422.0	1433.6
4578.0	47.5°	3442.7	2620.7	1798.7	1645.7	1492.7	1426.8	1387.7	1367.7	1347.7	1358.7
4806.3	50°	3426.4	2573.8	1721.2	1584.3	1447.5	1361.0	1315.5	1297.8	1280.1	1297.2
4954.6	52.5°	3325.8	2494.4	1663.2	1543.9	1424.8	1325.2	1261.7	1244.2	1226.7	1252.5
4921.9	55°	3118.0	2362.9	1607.8	1514.6	1421.4	1328.8	1233.1	1205.4	1177.7	1214.3
4692.0	57.5°	2809.2	2177.5	1545.8	1479.9	1414.0	1332.4	1216.0	1175.5	1135.1	1174.5
4264.1	60°	2395.0	1936.8	1478.6	1426.8	1375.0	1321.1	1199.8	1147.5	1095.0	1129.6
3685.5	62.5°	1928.4	1648.7	1368.9	1334.5	1300.2	1293.6	1181.1	1115.5	1050.1	1072.0
3095.2	65°	1520.0	1389.4	1258.9	1242.6	1226.4	1227.2	1141.4	1071.8	1002.1	1010.6
2516.9	67.5°	1177.4	1140.3	1103.2	1112.2	1121.2	1119.0	1070.8	1012.8	954.8	952.2
1981.7	70°	891.8	902.4	913.0	955.0	997.0	997.0	981.2	939.9	898.7	889.5
1515.0	72.5°	687.9	719.9	751.9	811.6	871.1	881.1	881.3	853.0	824.7	811.3
1099.6	75°	534.2	563.2	592.2	658.9	725.7	771.9	768.0	746.2	724.4	711.5
745.1	77.5°	411.2	431.0	450.8	515.6	580.4	656.5	654.4	637.0	619.5	606.5
480.1	80°	308.3	316.5	324.7	379.6	434.4	525.3	525.0	510.4	495.7	484.8
295.3	82.5°	220.3	221.8	223.4	263.8	304.2	381.8	386.1	379.0	371.8	364.1
157.8	85°	133.2	132.5	131.7	161.3	190.9	248.6	254.2	246.6	238.9	230.2
65.4	87.5°	58.4	57.7	57.0	69.0	81.2	105.2	112.3	109.2	106.2	104.5
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°
2660.7	0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2558.6	2.5°	2543.1	2527.7	2512.2	2496.8	2484.8	2472.8	2463.1	2453.4	2445.8	2438.3
2473.6	5°	2446.2	2418.9	2394.1	2369.2	2350.1	2330.9	2317.5	2304.1	2294.6	2285.1
2421.2	7.5°	2386.8	2352.3	2321.9	2291.6	2268.8	2246.1	2230.2	2214.3	2203.4	2192.5
2419.9	10°	2382.8	2345.7	2311.5	2277.3	2250.1	2222.9	2205.1	2187.1	2176.8	2166.5
2471.6	12.5°	2442.4	2413.4	2377.9	2342.6	2307.9	2273.2	2250.2	2227.3	2215.7	2204.3
2555.5	15°	2547.9	2540.4	2509.7	2478.9	2429.5	2380.1	2345.2	2310.3	2294.2	2278.3
2626.1	17.5°	2649.8	2673.4	2648.6	2623.9	2558.5	2493.0	2441.6	2390.1	2366.4	2342.6
2638.2	20°	2687.7	2737.2	2725.8	2714.3	2639.4	2564.7	2501.6	2438.6	2408.3	2377.8
2570.6	22.5°	2635.0	2699.5	2706.4	2713.2	2641.8	2570.3	2505.4	2440.3	2408.4	2376.3
2449.3	25°	2512.7	2576.1	2599.8	2623.4	2564.8	2506.3	2448.5	2390.9	2363.1	2335.5
2312.7	27.5°	2363.6	2414.4	2440.7	2467.2	2425.4	2383.8	2338.9	2294.1	2275.5	2256.9
2175.5	30°	2217.7	2259.9	2281.4	2302.8	2271.1	2239.2	2207.1	2174.9	2165.4	2155.8
2036.3	32.5°	2076.8	2117.3	2141.1	2165.0	2135.8	2106.5	2080.8	2055.2	2049.0	2042.8
1901.1	35°	1941.1	1981.2	2009.8	2038.4	2017.5	1996.8	1973.1	1949.5	1940.1	1930.7
1771.9	37.5°	1811.8	1851.8	1887.2	1922.5	1912.9	1903.3	1881.6	1859.7	1842.4	1825.3
1651.1	40°	1689.7	1728.3	1768.9	1809.7	1812.0	1814.3	1795.8	1777.3	1752.2	1727.3
1540.4	42.5°	1577.0	1613.6	1657.5	1701.5	1713.2	1724.9	1709.3	1693.8	1662.7	1631.5
1445.5	45°	1480.2	1514.9	1560.5	1606.0	1622.8	1639.7	1625.6	1611.6	1576.0	1540.4
1369.6	47.5°	1403.6	1437.5	1482.5	1527.4	1546.8	1566.2	1556.4	1546.6	1514.9	1483.3
1314.5	50°	1346.6	1378.5	1418.7	1459.0	1483.9	1508.8	1508.2	1507.8	1482.5	1457.1
1278.3	52.5°	1307.7	1337.0	1374.4	1412.0	1441.5	1471.0	1476.3	1481.6	1461.0	1440.4
1250.9	55°	1282.5	1314.2	1347.1	1379.8	1411.1	1442.4	1449.8	1457.1	1439.2	1421.2
1213.9	57.5°	1251.1	1288.3	1320.7	1353.3	1384.8	1416.3	1423.7	1431.2	1413.0	1394.9
1164.1	60°	1206.8	1249.5	1282.4	1315.5	1347.2	1378.8	1387.0	1395.2	1377.4	1359.7
1094.0	62.5°	1143.7	1193.5	1228.7	1264.0	1293.0	1322.0	1329.8	1337.7	1321.6	1305.6
1018.9	65°	1072.2	1125.6	1159.3	1193.0	1218.5	1244.1	1252.1	1260.1	1244.7	1229.3
949.5	67.5°	998.7	1048.0	1080.0	1111.8	1133.9	1155.9	1163.8	1171.6	1157.4	1143.3
880.3	70°	923.6	966.9	994.4	1022.0	1041.9	1061.8	1069.4	1076.9	1065.4	1053.8
797.9	72.5°	832.0	866.0	890.9	915.8	935.3	954.8	963.8	972.8	963.2	953.6
698.5	75°	723.9	749.2	771.8	794.3	812.1	829.8	839.2	848.6	843.9	839.2
593.4	77.5°	614.0	634.5	653.9	673.3	692.0	710.6	719.4	728.2	721.6	714.9
473.7	80°	490.9	507.9	524.3	540.6	554.8	568.9	580.5	592.2	589.3	586.5
356.3	82.5°	354.9	353.5	347.7	342.0	372.2	402.5	422.3	442.1	440.9	439.5
221.6	85°	214.2	206.7	190.9	175.1	203.4	231.8	256.3	280.8	278.7	276.7
102.9	87.5°	102.6	102.3	90.3	78.1	89.9	101.9	111.8	121.7	119.2	116.6
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2660.7	0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2431.3	2.5°	2424.3	2415.6	2424.3	2431.3	2438.3	2445.8	2453.4	2463.1	2472.8	2484.8
2277.9	5°	2270.6	2263.5	2270.6	2277.9	2285.1	2294.6	2304.1	2317.5	2330.9	2350.1
2186.0	7.5°	2179.6	2174.7	2179.6	2186.0	2192.5	2203.4	2214.3	2230.2	2246.1	2268.8
2161.0	10°	2155.5	2153.2	2155.5	2161.0	2166.5	2176.8	2187.1	2205.1	2222.9	2250.1
2199.6	12.5°	2194.9	2194.1	2194.9	2199.6	2204.3	2215.7	2227.3	2250.2	2273.2	2307.9
2272.2	15°	2266.0	2265.5	2266.0	2272.2	2278.3	2294.2	2310.3	2345.2	2380.1	2429.5
2334.9	17.5°	2327.0	2325.8	2327.0	2334.9	2342.6	2366.4	2390.1	2441.6	2493.0	2558.5
2368.1	20°	2358.4	2355.4	2358.4	2368.1	2377.8	2408.3	2438.6	2501.6	2564.7	2639.4
2365.6	22.5°	2354.9	2350.3	2354.9	2365.6	2376.3	2408.4	2440.3	2505.4	2570.3	2641.8
2325.4	25°	2315.4	2309.4	2315.4	2325.4	2335.5	2363.1	2390.9	2448.5	2506.3	2564.8
2252.3	27.5°	2247.7	2246.1	2247.7	2252.3	2256.9	2275.5	2294.1	2338.9	2383.8	2425.4
2155.8	30°	2155.8	2157.3	2155.8	2155.8	2155.8	2165.4	2174.9	2207.1	2239.2	2271.1
2043.6	32.5°	2044.5	2046.0	2044.5	2043.6	2042.8	2049.0	2055.2	2080.8	2106.5	2135.8
1928.6	35°	1926.6	1925.6	1926.6	1928.6	1930.7	1940.1	1949.5	1973.1	1996.8	2017.5
1816.2	37.5°	1807.1	1802.0	1807.1	1816.2	1825.3	1842.4	1859.7	1881.6	1903.3	1912.9
1710.3	40°	1693.6	1683.6	1693.6	1710.3	1727.3	1752.2	1777.3	1795.8	1814.3	1812.0
1606.9	42.5°	1582.3	1566.2	1582.3	1606.9	1631.5	1662.7	1693.8	1709.3	1724.9	1713.2
1511.5	45°	1482.7	1464.1	1482.7	1511.5	1540.4	1576.0	1611.6	1625.6	1639.7	1622.8
1456.5	47.5°	1429.9	1412.0	1429.9	1456.5	1483.3	1514.9	1546.6	1556.4	1566.2	1546.8
1432.4	50°	1407.7	1390.6	1407.7	1432.4	1457.1	1482.5	1507.8	1508.2	1508.8	1483.9
1418.2	52.5°	1396.2	1380.4	1396.2	1418.2	1440.4	1461.0	1481.6	1476.3	1471.0	1441.5
1401.8	55°	1382.4	1368.1	1382.4	1401.8	1421.2	1439.2	1457.1	1449.8	1442.4	1411.1
1375.7	57.5°	1356.4	1341.6	1356.4	1375.7	1394.9	1413.0	1431.2	1423.7	1416.3	1384.8
1339.9	60°	1320.1	1304.8	1320.1	1339.9	1359.7	1377.4	1395.2	1387.0	1378.8	1347.2
1284.8	62.5°	1264.0	1245.6	1264.0	1284.8	1305.6	1321.6	1337.7	1329.8	1322.0	1293.0
1209.0	65°	1188.9	1173.1	1188.9	1209.0	1229.3	1244.7	1260.1	1252.1	1244.1	1218.5
1124.5	67.5°	1105.7	1091.4	1105.7	1124.5	1143.3	1157.4	1171.6	1163.8	1155.9	1133.9
1035.9	70°	1017.9	1001.6	1017.9	1035.9	1053.8	1065.4	1076.9	1069.4	1061.8	1041.9
936.4	72.5°	919.4	903.6	919.4	936.4	953.6	963.2	972.8	963.8	954.8	935.3
824.8	75°	810.4	795.3	810.4	824.8	839.2	843.9	848.6	839.2	829.8	812.1
700.4	77.5°	685.9	673.8	685.9	700.4	714.9	721.6	728.2	719.4	710.6	692.0
567.0	80°	547.4	524.8	547.4	567.0	586.5	589.3	592.2	580.5	568.9	554.8
423.1	82.5°	406.6	392.1	406.6	423.1	439.5	440.9	442.1	422.3	402.5	372.2
263.8	85°	251.0	237.9	251.0	263.8	276.7	278.7	280.8	256.3	231.8	203.4
110.1	87.5°	103.3	97.0	103.3	110.1	116.6	119.2	121.7	111.8	101.9	89.9
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°
2660.7	0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2496.8	2.5°	2512.2	2527.7	2543.1	2558.6	2576.1	2593.8	2613.3	2632.9	2657.1	2678.8
2369.2	5°	2394.1	2418.9	2446.2	2473.6	2504.5	2535.6	2572.6	2609.6	2652.0	2694.9
2291.6	7.5°	2321.9	2352.3	2386.8	2421.2	2462.1	2502.9	2552.0	2601.2	2656.1	2714.6
2277.3	10°	2311.5	2345.7	2382.8	2419.9	2460.7	2501.6	2553.5	2605.3	2664.2	2736.4
2342.6	12.5°	2377.9	2413.4	2442.4	2471.6	2498.5	2525.7	2567.9	2610.4	2665.2	2741.1
2478.9	15°	2509.7	2540.4	2547.9	2555.5	2551.8	2548.1	2568.4	2588.7	2632.6	2716.6
2623.9	17.5°	2648.6	2673.4	2649.8	2626.1	2581.6	2537.1	2529.8	2522.3	2549.4	2648.2
2714.3	20°	2725.8	2737.2	2687.7	2638.2	2560.8	2483.5	2448.8	2414.1	2421.2	2536.3
2713.2	22.5°	2706.4	2699.5	2635.0	2570.6	2482.2	2394.0	2342.6	2291.3	2277.3	2408.3
2623.4	25°	2599.8	2576.1	2512.7	2449.3	2369.9	2290.6	2231.3	2172.1	2134.3	2268.6
2467.2	27.5°	2440.7	2414.4	2363.6	2312.7	2247.6	2182.3	2125.2	2068.0	2022.0	2144.2
2302.8	30°	2281.4	2259.9	2217.7	2175.5	2121.4	2067.3	2021.7	1976.4	1940.4	2043.0
2165.0	32.5°	2141.1	2117.3	2076.8	2036.3	1993.0	1949.9	1923.0	1896.1	1880.1	1962.8
2038.4	35°	2009.8	1981.2	1941.1	1901.1	1868.2	1835.2	1827.7	1820.4	1827.0	1895.9
1922.5	37.5°	1887.2	1851.8	1811.8	1771.9	1748.3	1724.6	1732.8	1741.0	1765.3	1825.5
1809.7	40°	1768.9	1728.3	1689.7	1651.1	1634.1	1617.0	1635.5	1654.0	1691.2	1745.9
1701.5	42.5°	1657.5	1613.6	1577.0	1540.4	1526.5	1512.6	1537.1	1561.6	1608.5	1658.9
1606.0	45°	1560.5	1514.9	1480.2	1445.5	1433.6	1422.0	1445.8	1469.7	1515.1	1566.2
1527.4	47.5°	1482.5	1437.5	1403.6	1369.6	1358.7	1347.7	1367.7	1387.7	1426.8	1492.7
1459.0	50°	1418.7	1378.5	1346.6	1314.5	1297.2	1280.1	1297.8	1315.5	1361.0	1447.5
1412.0	52.5°	1374.4	1337.0	1307.7	1278.3	1252.5	1226.7	1244.2	1261.7	1325.2	1424.8
1379.8	55°	1347.1	1314.2	1282.5	1250.9	1214.3	1177.7	1205.4	1233.1	1328.8	1421.4
1353.3	57.5°	1320.7	1288.3	1251.1	1213.9	1174.5	1135.1	1175.5	1216.0	1332.4	1414.0
1315.5	60°	1282.4	1249.5	1206.8	1164.1	1129.6	1095.0	1147.5	1199.8	1321.1	1375.0
1264.0	62.5°	1228.7	1193.5	1143.7	1094.0	1072.0	1050.1	1115.5	1181.1	1293.6	1300.2
1193.0	65°	1159.3	1125.6	1072.2	1018.9	1010.6	1002.1	1071.8	1141.4	1227.2	1226.4
1111.8	67.5°	1080.0	1048.0	998.7	949.5	952.2	954.8	1012.8	1070.8	1119.0	1121.2
1022.0	70°	994.4	966.9	923.6	880.3	889.5	898.7	939.9	981.2	997.0	997.0
915.8	72.5°	890.9	866.0	832.0	797.9	811.3	824.7	853.0	881.3	881.1	871.1
794.3	75°	771.8	749.2	723.9	698.5	711.5	724.4	746.2	768.0	771.9	725.7
673.3	77.5°	653.9	634.5	614.0	593.4	606.5	619.5	637.0	654.4	656.5	580.4
540.6	80°	524.3	507.9	490.9	473.7	484.8	495.7	510.4	525.0	525.3	434.4
342.0	82.5°	347.7	353.5	354.9	356.3	364.1	371.8	379.0	386.1	381.8	304.2
175.1	85°	190.9	206.7	214.2	221.6	230.2	238.9	246.6	254.2	248.6	190.9
78.1	87.5°	90.3	102.3	102.6	102.9	104.5	106.2	109.2	112.3	105.2	81.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
2660.7	0°	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7	2660.7
2701.3	2.5°	2723.8	2747.2	2770.7	2794.0	2817.4	2839.3	2861.3
2740.3	5°	2785.7	2834.3	2883.0	2931.3	2979.7	3028.2	3076.7
2778.0	7.5°	2841.4	2913.3	2985.3	3059.2	3133.2	3213.1	3293.1
2811.6	10°	2886.5	2974.0	3061.4	3159.0	3256.7	3357.9	3459.1
2825.9	12.5°	2910.8	3013.9	3117.0	3227.7	3338.4	3449.5	3560.6
2814.8	15°	2913.0	3031.8	3150.5	3270.6	3390.6	3506.5	3622.4
2766.3	17.5°	2884.5	3022.3	3160.1	3291.1	3422.1	3539.6	3657.1
2682.7	20°	2829.1	2996.1	3163.2	3307.1	3451.1	3573.3	3695.4
2584.6	22.5°	2760.9	2964.1	3167.3	3328.8	3490.2	3615.1	3739.8
2475.0	25°	2681.6	2932.4	3183.4	3368.0	3552.5	3674.7	3797.0
2374.9	27.5°	2605.5	2911.3	3217.1	3429.2	3641.3	3758.0	3874.6
2291.2	30°	2539.4	2901.4	3263.2	3508.6	3753.9	3866.5	3979.2
2219.0	32.5°	2475.0	2889.1	3303.0	3591.4	3879.7	3991.2	4102.8
2148.0	35°	2400.1	2866.1	3332.2	3685.7	4039.2	4146.1	4252.9
2064.5	37.5°	2303.5	2826.6	3349.6	3791.4	4233.2	4369.4	4505.6
1964.9	40°	2183.9	2772.1	3360.5	3925.5	4490.4	4688.9	4887.4
1854.9	42.5°	2050.9	2716.0	3381.3	4101.0	4820.8	5107.3	5393.8
1738.1	45°	1910.0	2663.8	3417.7	4332.0	5246.3	5632.7	6019.1
1645.7	47.5°	1798.7	2620.7	3442.7	4578.0	5713.4	6257.3	6801.2
1584.3	50°	1721.2	2573.8	3426.4	4806.3	6186.3	7006.3	7826.3
1543.9	52.5°	1663.2	2494.4	3325.8	4954.6	6583.2	7793.1	9002.9
1514.6	55°	1607.8	2362.9	3118.0	4921.9	6725.7	8490.6	10255.7
1479.9	57.5°	1545.8	2177.5	2809.2	4692.0	6574.9	8985.0	11395.1
1426.8	60°	1478.6	1936.8	2395.0	4264.1	6133.2	9108.5	12083.7
1334.5	62.5°	1368.9	1648.7	1928.4	3685.5	5442.6	8588.3	11734.0
1242.6	65°	1258.9	1389.4	1520.0	3095.2	4670.4	7852.3	11034.2
1112.2	67.5°	1103.2	1140.3	1177.4	2516.9	3856.4	6976.4	10096.4
955.0	70°	913.0	902.4	891.8	1981.7	3071.6	6020.7	8969.8
811.6	72.5°	751.9	719.9	687.9	1515.0	2342.1	4984.6	7627.2
658.9	75°	592.2	563.2	534.2	1099.6	1665.0	3796.9	5928.8
515.6	77.5°	450.8	431.0	411.2	745.1	1079.0	2657.5	4236.0
379.6	80°	324.7	316.5	308.3	480.1	651.9	1712.2	2772.5
263.8	82.5°	223.4	221.8	220.3	295.3	370.4	991.0	1611.6
161.3	85°	131.7	132.5	133.2	157.8	182.5	445.8	709.1
69.0	87.5°	57.0	57.7	58.4	65.4	72.5	146.0	219.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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