

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: P949187

Luminaire Tested: **GALN-SB4A-735-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949187
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-SB4A-735-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17914 lumens
Efficiency: N/A
Efficacy: 157.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

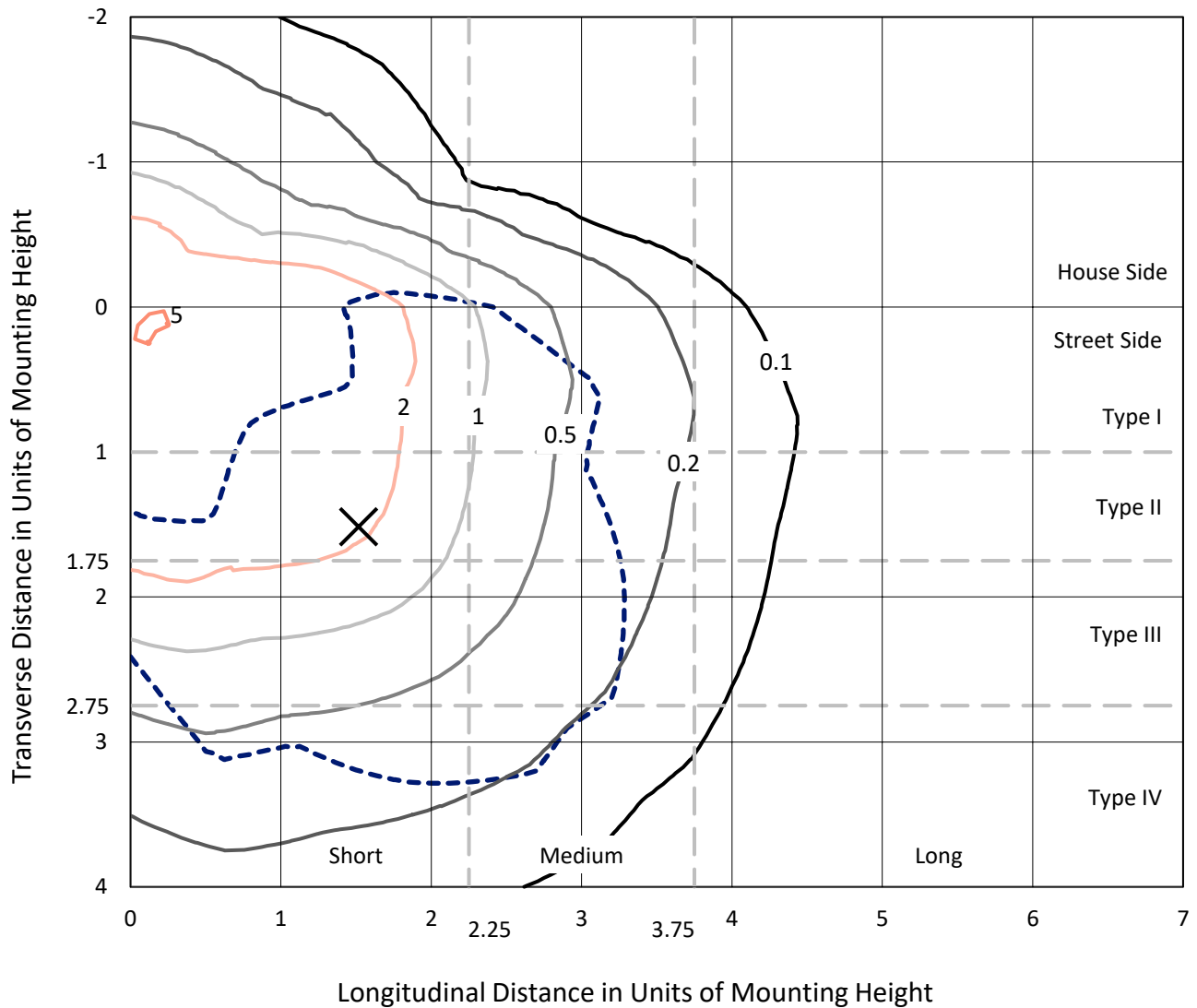
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

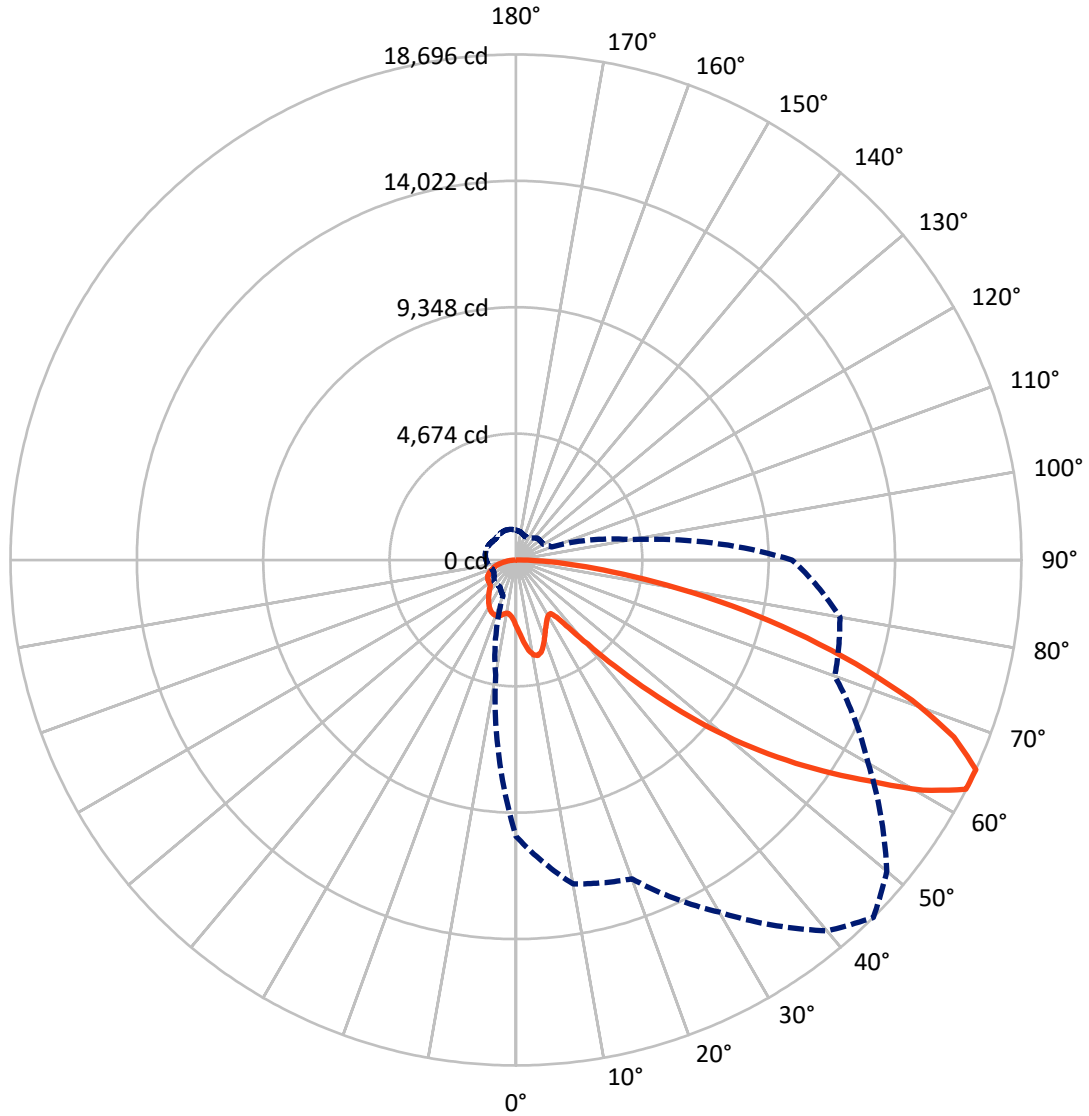
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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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CATALOG NUMBER: GALN-SB4A-735-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4552.8	0.0	4552.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13361.2	0.0	13361.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	17914.0	0.0	17914.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.4	1.4
10°-20°	767.1	4.3
20°-30°	1184.9	6.6
30°-40°	1501.6	8.4
40°-50°	2264.7	12.6
50°-60°	3659.0	20.4
60°-70°	4561.6	25.5
70°-80°	2991.2	16.7
80°-90°	739.5	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°	17914.0	100.0
0°-180°	17914.0	100.0

Coefficient of Utilization



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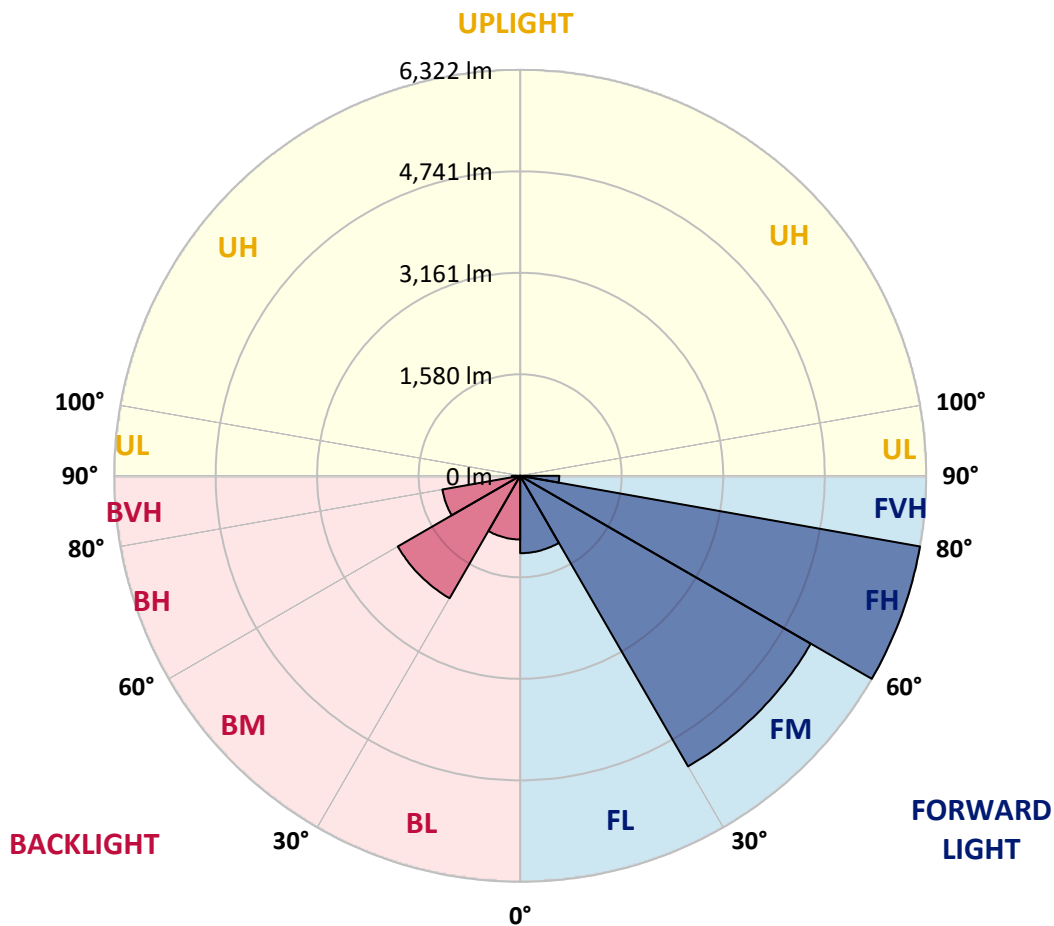
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1204.9	6.7			
FM (30°-60°)	5225.1	29.2			
FH (60°-80°)	6321.9	35.3			G3/7500
FVH (80°-90°)	609.2	3.4			G4/750
BL (0°-30°)	991.4	5.5	B2/1000		
BM (30°-60°)	2200.2	12.3	B2/2500		
BH (60°-80°)	1230.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	130.3	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°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2.5°	2649.1	2659.1	2669.2	2683.5	2697.8	2706.3	2714.8	2719.0	2723.3	2721.4
5°	2848.5	2883.6	2918.8	2953.5	2988.4	3007.3	3026.2	3037.7	3049.2	3057.9
7.5°	3048.9	3106.0	3163.0	3214.3	3265.7	3296.6	3327.5	3344.2	3360.8	3368.9
10°	3202.5	3270.0	3337.5	3397.7	3457.9	3494.4	3530.7	3547.0	3563.1	3569.3
12.5°	3296.6	3369.7	3442.8	3497.2	3551.5	3578.0	3604.4	3613.3	3622.2	3623.2
15°	3353.8	3416.9	3479.9	3514.1	3548.3	3549.2	3550.2	3540.7	3531.3	3520.1
17.5°	3385.9	3428.5	3471.2	3471.8	3472.4	3434.1	3395.8	3360.8	3325.6	3300.8
20°	3421.3	3436.2	3451.1	3406.2	3361.3	3276.8	3192.3	3130.8	3069.2	3031.4
22.5°	3462.5	3443.0	3423.5	3330.5	3237.5	3113.2	2988.9	2911.9	2835.0	2793.2
25°	3515.4	3454.0	3392.5	3251.3	3110.1	2959.1	2808.2	2727.2	2646.5	2607.0
27.5°	3587.2	3477.4	3367.5	3180.4	2993.4	2826.1	2658.8	2579.2	2499.7	2462.4
30°	3684.1	3520.3	3356.6	3126.3	2896.1	2721.8	2547.5	2473.6	2399.8	2365.0
32.5°	3798.5	3574.2	3350.0	3089.5	2829.0	2665.1	2501.3	2443.4	2385.3	2360.3
35°	3937.5	3662.9	3388.5	3117.1	2845.7	2731.9	2618.2	2604.6	2591.1	2589.0
37.5°	4171.4	3848.5	3525.6	3278.9	3032.2	3024.8	3017.4	3079.3	3141.1	3173.2
40°	4524.9	4173.8	3822.6	3639.1	3455.7	3585.2	3714.7	3865.0	4015.2	4090.1
42.5°	4993.8	4645.4	4296.9	4191.3	4085.6	4368.0	4650.5	4923.8	5197.2	5357.7
45°	5572.7	5259.8	4946.7	4900.1	4853.4	5305.9	5758.5	6207.7	6656.9	6929.6
47.5°	6296.8	5992.3	5687.8	5678.3	5668.9	6321.7	6974.3	7631.9	8289.4	8675.5
50°	7245.8	6869.7	6493.7	6495.3	6496.9	7338.2	8179.5	9047.5	9915.5	10440.3
52.5°	8335.2	7879.8	7424.5	7378.5	7332.3	8337.2	9342.1	10416.1	11490.0	12119.1
55°	9495.1	9045.1	8595.2	8415.7	8236.2	9354.6	10472.9	11753.3	13033.6	13781.8
57.5°	10550.0	10305.0	10059.9	9699.8	9339.9	10469.1	11598.4	13048.7	14498.8	15426.5
60°	11187.5	11568.1	11948.8	11501.6	11054.5	12123.2	13192.0	14744.6	16297.3	17300.0
62.5°	10863.8	11903.7	12943.5	12893.2	12842.7	13821.7	14800.8	16278.0	17755.2	18682.0
65°	10215.8	11191.8	12167.8	12360.9	12553.9	13798.0	15042.3	16474.7	17907.1	18696.2
67.5°	9347.6	10275.8	11204.1	11294.6	11385.1	12681.4	13977.6	15416.2	16854.8	17473.0
70°	8304.5	9314.1	10323.9	10364.3	10404.9	11564.1	12723.3	13961.3	15199.2	15542.8
72.5°	7061.5	8220.1	9378.8	9407.9	9436.9	10343.9	11250.9	12178.1	13105.2	13140.0
75°	5489.1	6688.2	7887.4	7995.0	8102.7	8808.3	9514.0	10166.7	10819.4	10644.5
77.5°	3921.9	5041.2	6160.7	6314.8	6468.8	7005.3	7541.7	8004.6	8467.6	8167.0
80°	2566.8	3508.6	4450.3	4641.8	4833.3	5238.4	5643.3	5886.5	6129.5	5646.0
82.5°	1492.1	2135.9	2779.8	2993.7	3207.7	3486.6	3765.4	3866.8	3968.2	3588.2
85°	656.5	998.2	1339.9	1521.9	1703.8	1932.9	2162.0	2219.5	2277.1	1972.7
87.5°	203.2	318.1	432.9	534.4	636.0	750.5	865.1	870.0	874.8	734.5
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°
2463.3	0°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2723.3	2.5°	2719.0	2714.8	2706.3	2697.8	2683.5	2669.2	2659.1	2649.1	2628.7	2608.4
3049.2	5°	3037.7	3026.2	3007.3	2988.4	2953.5	2918.8	2883.6	2848.5	2803.6	2758.7
3360.8	7.5°	3344.2	3327.5	3296.6	3265.7	3214.3	3163.0	3106.0	3048.9	2974.8	2900.8
3563.1	10°	3547.0	3530.7	3494.4	3457.9	3397.7	3337.5	3270.0	3202.5	3108.8	3015.2
3622.2	12.5°	3613.3	3604.4	3578.0	3551.5	3497.2	3442.8	3369.7	3296.6	3193.6	3090.8
3531.3	15°	3540.7	3550.2	3549.2	3548.3	3514.1	3479.9	3416.9	3353.8	3246.5	3139.2
3325.6	17.5°	3360.8	3395.8	3434.1	3472.4	3471.8	3471.2	3428.5	3385.9	3277.1	3168.3
3069.2	20°	3130.8	3192.3	3276.8	3361.3	3406.2	3451.1	3436.2	3421.3	3308.3	3195.1
2835.0	22.5°	2911.9	2988.9	3113.2	3237.5	3330.5	3423.5	3443.0	3462.5	3347.0	3231.3
2646.5	25°	2727.2	2808.2	2959.1	3110.1	3251.3	3392.5	3454.0	3515.4	3402.2	3289.0
2499.7	27.5°	2579.2	2658.8	2826.1	2993.4	3180.4	3367.5	3477.4	3587.2	3479.3	3371.2
2399.8	30°	2473.6	2547.5	2721.8	2896.1	3126.3	3356.6	3520.3	3684.1	3579.8	3475.5
2385.3	32.5°	2443.4	2501.3	2665.1	2829.0	3089.5	3350.0	3574.2	3798.5	3695.2	3592.0
2591.1	35°	2604.6	2618.2	2731.9	2845.7	3117.1	3388.5	3662.9	3937.5	3838.6	3739.6
3141.1	37.5°	3079.3	3017.4	3024.8	3032.2	3278.9	3525.6	3848.5	4171.4	4045.3	3919.2
4015.2	40°	3865.0	3714.7	3585.2	3455.7	3639.1	3822.6	4173.8	4524.9	4341.2	4157.4
5197.2	42.5°	4923.8	4650.5	4368.0	4085.6	4191.3	4296.9	4645.4	4993.8	4728.5	4463.3
6656.9	45°	6207.7	5758.5	5305.9	4853.4	4900.1	4946.7	5259.8	5572.7	5215.0	4857.2
8289.4	47.5°	7631.9	6974.3	6321.7	5668.9	5678.3	5687.8	5992.3	6296.8	5793.3	5289.6
9915.5	50°	9047.5	8179.5	7338.2	6496.9	6495.3	6493.7	6869.7	7245.8	6486.7	5727.5
11490.0	52.5°	10416.1	9342.1	8337.2	7332.3	7378.5	7424.5	7879.8	8335.2	7215.1	6095.0
13033.6	55°	11753.3	10472.9	9354.6	8236.2	8415.7	8595.2	9045.1	9495.1	7860.9	6226.9
14498.8	57.5°	13048.7	11598.4	10469.1	9339.9	9699.8	10059.9	10305.0	10550.0	8318.6	6087.2
16297.3	60°	14744.6	13192.0	12123.2	11054.5	11501.6	11948.8	11568.1	11187.5	8433.0	5678.3
17755.2	62.5°	16278.0	14800.8	13821.7	12842.7	12893.2	12943.5	11903.7	10863.8	7951.4	5039.0
17907.1	65°	16474.7	15042.3	13798.0	12553.9	12360.9	12167.8	11191.8	10215.8	7269.9	4324.1
16854.8	67.5°	15416.2	13977.6	12681.4	11385.1	11294.6	11204.1	10275.8	9347.6	6459.0	3570.4
15199.2	70°	13961.3	12723.3	11564.1	10404.9	10364.3	10323.9	9314.1	8304.5	5574.2	2843.8
13105.2	72.5°	12178.1	11250.9	10343.9	9436.9	9407.9	9378.8	8220.1	7061.5	4614.9	2168.4
10819.4	75°	10166.7	9514.0	8808.3	8102.7	7995.0	7887.4	6688.2	5489.1	3515.3	1541.5
8467.6	77.5°	8004.6	7541.7	7005.3	6468.8	6314.8	6160.7	5041.2	3921.9	2460.4	998.9
6129.5	80°	5886.5	5643.3	5238.4	4833.3	4641.8	4450.3	3508.6	2566.8	1585.2	603.5
3968.2	82.5°	3866.8	3765.4	3486.6	3207.7	2993.7	2779.8	2135.9	1492.1	917.5	342.9
2277.1	85°	2219.5	2162.0	1932.9	1703.8	1521.9	1339.9	998.2	656.5	412.7	169.0
874.8	87.5°	870.0	865.1	750.5	636.0	534.4	432.9	318.1	203.2	135.2	67.1
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°
2463.3	0°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2586.8	2.5°	2565.2	2543.5	2521.7	2501.0	2480.2	2460.0	2437.6	2419.5	2401.4	2385.1
2713.9	5°	2669.2	2624.1	2579.1	2537.1	2495.0	2455.3	2416.1	2381.8	2347.5	2318.8
2832.4	7.5°	2763.9	2697.3	2630.6	2571.9	2513.2	2459.1	2408.3	2362.8	2317.3	2279.5
2924.7	10°	2834.3	2753.4	2672.4	2603.0	2533.5	2466.6	2412.1	2364.1	2316.1	2278.2
2988.3	12.5°	2885.9	2790.4	2694.9	2616.4	2537.8	2467.6	2416.8	2377.5	2338.4	2313.2
3028.0	15°	2916.9	2806.9	2697.0	2606.1	2515.1	2437.3	2396.7	2377.9	2359.2	2362.6
3047.0	17.5°	2925.7	2798.1	2670.5	2561.2	2451.8	2360.3	2335.2	2342.1	2349.0	2390.2
3061.9	20°	2928.6	2773.9	2619.3	2483.7	2348.2	2241.7	2235.1	2267.2	2299.3	2370.9
3081.9	22.5°	2932.4	2744.3	2556.2	2392.9	2229.7	2108.4	2121.3	2168.9	2216.4	2298.1
3118.2	25°	2947.3	2715.0	2482.7	2291.5	2100.4	1976.1	2011.0	2065.9	2120.7	2194.1
3174.9	27.5°	2978.5	2695.4	2412.3	2198.8	1985.2	1872.1	1914.6	1967.5	2020.5	2080.9
3248.4	30°	3021.2	2686.2	2351.0	2121.2	1891.5	1796.5	1829.8	1871.8	1913.9	1964.0
3325.0	32.5°	3058.1	2674.9	2291.5	2054.4	1817.2	1740.7	1755.5	1780.4	1805.2	1845.2
3412.4	35°	3085.1	2653.5	2222.1	1988.7	1755.3	1691.5	1685.4	1692.2	1699.1	1729.6
3510.2	37.5°	3101.2	2616.9	2132.7	1911.4	1690.1	1634.3	1611.8	1604.3	1596.7	1618.7
3634.4	40°	3111.3	2566.6	2021.9	1819.1	1616.4	1565.8	1531.3	1514.2	1497.1	1512.9
3796.9	42.5°	3130.5	2514.6	1898.8	1717.3	1535.8	1489.2	1445.8	1423.1	1400.4	1413.2
4010.7	45°	3164.2	2466.3	1768.4	1609.2	1450.0	1402.8	1360.7	1338.6	1316.5	1327.3
4238.5	47.5°	3187.4	2426.4	1665.3	1523.7	1382.0	1321.0	1284.8	1266.3	1247.7	1257.9
4449.9	50°	3172.3	2382.9	1593.5	1466.8	1340.2	1260.0	1218.0	1201.5	1185.2	1201.0
4587.1	52.5°	3079.2	2309.4	1539.8	1429.4	1319.1	1226.9	1168.1	1151.9	1135.7	1159.6
4556.9	55°	2886.8	2187.7	1488.6	1402.3	1316.0	1230.2	1141.7	1116.0	1090.3	1124.3
4344.0	57.5°	2600.9	2016.0	1431.1	1370.1	1309.2	1233.6	1125.8	1088.4	1050.9	1087.4
3947.8	60°	2217.4	1793.1	1368.9	1321.0	1273.1	1223.2	1110.9	1062.4	1013.8	1045.8
3412.2	62.5°	1785.4	1526.4	1267.4	1235.5	1203.8	1197.6	1093.5	1032.8	972.2	992.5
2865.6	65°	1407.3	1286.4	1165.5	1150.5	1135.4	1136.2	1056.8	992.3	927.8	935.6
2330.2	67.5°	1090.1	1055.8	1021.3	1029.8	1038.1	1036.0	991.4	937.7	884.0	881.5
1834.7	70°	825.7	835.5	845.2	884.2	923.0	923.0	908.4	870.2	832.0	823.5
1402.7	72.5°	636.9	666.5	696.2	751.4	806.5	815.8	815.9	789.8	763.6	751.1
1018.0	75°	494.6	521.4	548.2	610.1	671.9	714.6	711.0	690.9	670.7	658.7
689.8	77.5°	380.7	399.0	417.3	477.4	537.4	607.8	605.9	589.7	573.6	561.5
444.5	80°	285.5	293.0	300.6	351.4	402.2	486.3	486.0	472.5	458.9	448.8
273.4	82.5°	204.0	205.3	206.8	244.3	281.7	353.5	357.5	350.9	344.3	337.1
146.1	85°	123.4	122.7	121.9	149.3	176.8	230.2	235.4	228.3	221.2	213.2
60.6	87.5°	54.1	53.4	52.7	63.9	75.1	97.4	104.0	101.1	98.3	96.8
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°
2463.3	0°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2368.8	2.5°	2354.5	2340.3	2325.9	2311.6	2300.6	2289.4	2280.4	2271.4	2264.4	2257.5
2290.2	5°	2264.8	2239.5	2216.5	2193.5	2175.8	2158.0	2145.6	2133.2	2124.5	2115.7
2241.7	7.5°	2209.8	2177.9	2149.7	2121.6	2100.5	2079.6	2064.8	2050.1	2040.0	2029.9
2240.4	10°	2206.1	2171.7	2140.1	2108.4	2083.2	2058.0	2041.6	2024.9	2015.4	2005.8
2288.3	12.5°	2261.2	2234.4	2201.6	2168.9	2136.7	2104.6	2083.3	2062.1	2051.4	2040.8
2366.0	15°	2359.0	2352.0	2323.5	2295.1	2249.3	2203.6	2171.2	2138.9	2124.1	2109.3
2431.4	17.5°	2453.3	2475.1	2452.2	2429.3	2368.7	2308.1	2260.5	2212.8	2190.9	2168.9
2442.5	20°	2488.4	2534.2	2523.6	2513.0	2443.7	2374.5	2316.1	2257.7	2229.7	2201.5
2380.0	22.5°	2439.6	2499.2	2505.7	2512.0	2445.8	2379.7	2319.6	2259.3	2229.8	2200.1
2267.7	25°	2326.4	2385.1	2407.0	2428.8	2374.6	2320.4	2266.9	2213.6	2187.9	2162.3
2141.2	27.5°	2188.3	2235.3	2259.7	2284.2	2245.5	2207.0	2165.5	2124.0	2106.8	2089.5
2014.1	30°	2053.2	2092.3	2112.2	2132.0	2102.6	2073.1	2043.4	2013.6	2004.8	1995.9
1885.3	32.5°	1922.7	1960.3	1982.3	2004.4	1977.4	1950.2	1926.5	1902.8	1897.0	1891.3
1760.1	35°	1797.1	1834.3	1860.7	1887.2	1867.9	1848.7	1826.8	1805.0	1796.2	1787.5
1640.5	37.5°	1677.4	1714.5	1747.2	1779.9	1771.0	1762.1	1742.0	1721.8	1705.8	1689.9
1528.7	40°	1564.4	1600.1	1637.7	1675.5	1677.6	1679.7	1662.6	1645.5	1622.2	1599.2
1426.2	42.5°	1460.0	1494.0	1534.6	1575.3	1586.1	1597.0	1582.5	1568.2	1539.3	1510.5
1338.3	45°	1370.4	1402.6	1444.7	1486.9	1502.5	1518.1	1505.0	1492.1	1459.1	1426.2
1268.1	47.5°	1299.5	1330.9	1372.5	1414.1	1432.1	1450.0	1440.9	1431.9	1402.6	1373.3
1217.0	50°	1246.7	1276.3	1313.5	1350.8	1373.8	1396.9	1396.3	1395.9	1372.5	1349.1
1183.5	52.5°	1210.7	1237.8	1272.5	1307.3	1334.6	1361.9	1366.8	1371.8	1352.7	1333.6
1158.1	55°	1187.4	1216.7	1247.2	1277.5	1306.4	1335.5	1342.3	1349.1	1332.4	1315.8
1123.9	57.5°	1158.3	1192.7	1222.8	1252.9	1282.1	1311.3	1318.2	1325.1	1308.2	1291.4
1077.8	60°	1117.3	1156.8	1187.3	1218.0	1247.3	1276.6	1284.1	1291.7	1275.2	1258.9
1012.8	62.5°	1058.9	1105.0	1137.6	1170.2	1197.1	1223.9	1231.2	1238.5	1223.6	1208.8
943.4	65°	992.7	1042.1	1073.3	1104.5	1128.2	1151.8	1159.3	1166.6	1152.4	1138.1
879.1	67.5°	924.6	970.3	999.9	1029.4	1049.8	1070.2	1077.5	1084.7	1071.5	1058.5
815.0	70°	855.1	895.2	920.7	946.2	964.6	983.1	990.1	997.1	986.4	975.7
738.7	72.5°	770.3	801.8	824.8	847.9	865.9	884.0	892.3	900.6	891.8	882.9
646.7	75°	670.2	693.6	714.5	735.4	751.9	768.3	777.0	785.7	781.3	777.0
549.4	77.5°	568.5	587.5	605.4	623.4	640.7	657.9	666.0	674.2	668.1	661.9
438.6	80°	454.5	470.3	485.4	500.5	513.7	526.7	537.5	548.2	545.6	543.0
329.9	82.5°	328.6	327.2	322.0	316.7	344.6	372.6	391.0	409.3	408.2	406.9
205.1	85°	198.3	191.4	176.8	162.1	188.3	214.6	237.3	259.9	258.1	256.2
95.3	87.5°	95.0	94.7	83.6	72.3	83.3	94.3	103.5	112.7	110.4	107.9
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°
2463.3	0°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2251.0	2.5°	2244.5	2236.5	2244.5	2251.0	2257.5	2264.4	2271.4	2280.4	2289.4	2300.6
2109.0	5°	2102.2	2095.6	2102.2	2109.0	2115.7	2124.5	2133.2	2145.6	2158.0	2175.8
2023.9	7.5°	2017.9	2013.4	2017.9	2023.9	2029.9	2040.0	2050.1	2064.8	2079.6	2100.5
2000.7	10°	1995.6	1993.5	1995.6	2000.7	2005.8	2015.4	2024.9	2041.6	2058.0	2083.2
2036.5	12.5°	2032.1	2031.3	2032.1	2036.5	2040.8	2051.4	2062.1	2083.3	2104.6	2136.7
2103.7	15°	2098.0	2097.5	2098.0	2103.7	2109.3	2124.1	2138.9	2171.2	2203.6	2249.3
2161.7	17.5°	2154.4	2153.3	2154.4	2161.7	2168.9	2190.9	2212.8	2260.5	2308.1	2368.7
2192.5	20°	2183.5	2180.7	2183.5	2192.5	2201.5	2229.7	2257.7	2316.1	2374.5	2443.7
2190.2	22.5°	2180.2	2176.0	2180.2	2190.2	2200.1	2229.8	2259.3	2319.6	2379.7	2445.8
2152.9	25°	2143.6	2138.2	2143.6	2152.9	2162.3	2187.9	2213.6	2266.9	2320.4	2374.6
2085.2	27.5°	2081.0	2079.6	2081.0	2085.2	2089.5	2106.8	2124.0	2165.5	2207.0	2245.5
1995.9	30°	1995.9	1997.3	1995.9	1995.9	1995.9	2004.8	2013.6	2043.4	2073.1	2102.6
1892.0	32.5°	1892.9	1894.3	1892.9	1892.0	1891.3	1897.0	1902.8	1926.5	1950.2	1977.4
1785.6	35°	1783.7	1782.7	1783.7	1785.6	1787.5	1796.2	1805.0	1826.8	1848.7	1867.9
1681.5	37.5°	1673.1	1668.4	1673.1	1681.5	1689.9	1705.8	1721.8	1742.0	1762.1	1771.0
1583.5	40°	1568.0	1558.7	1568.0	1583.5	1599.2	1622.2	1645.5	1662.6	1679.7	1677.6
1487.7	42.5°	1465.0	1450.0	1465.0	1487.7	1510.5	1539.3	1568.2	1582.5	1597.0	1586.1
1399.4	45°	1372.7	1355.5	1372.7	1399.4	1426.2	1459.1	1492.1	1505.0	1518.1	1502.5
1348.5	47.5°	1323.8	1307.3	1323.8	1348.5	1373.3	1402.6	1431.9	1440.9	1450.0	1432.1
1326.2	50°	1303.3	1287.4	1303.3	1326.2	1349.1	1372.5	1395.9	1396.3	1396.9	1373.8
1313.1	52.5°	1292.6	1278.0	1292.6	1313.1	1333.6	1352.7	1371.8	1366.8	1361.9	1334.6
1297.8	55°	1279.9	1266.6	1279.9	1297.8	1315.8	1332.4	1349.1	1342.3	1335.5	1306.4
1273.6	57.5°	1255.8	1242.1	1255.8	1273.6	1291.4	1308.2	1325.1	1318.2	1311.3	1282.1
1240.6	60°	1222.2	1208.0	1222.2	1240.6	1258.9	1275.2	1291.7	1284.1	1276.6	1247.3
1189.5	62.5°	1170.2	1153.2	1170.2	1189.5	1208.8	1223.6	1238.5	1231.2	1223.9	1197.1
1119.4	65°	1100.7	1086.1	1100.7	1119.4	1138.1	1152.4	1166.6	1159.3	1151.8	1128.2
1041.1	67.5°	1023.7	1010.5	1023.7	1041.1	1058.5	1071.5	1084.7	1077.5	1070.2	1049.8
959.1	70°	942.4	927.3	942.4	959.1	975.7	986.4	997.1	990.1	983.1	964.6
867.0	72.5°	851.2	836.5	851.2	867.0	882.9	891.8	900.6	892.3	884.0	865.9
763.7	75°	750.3	736.4	750.3	763.7	777.0	781.3	785.7	777.0	768.3	751.9
648.4	77.5°	635.0	623.9	635.0	648.4	661.9	668.1	674.2	666.0	657.9	640.7
525.0	80°	506.8	485.9	506.8	525.0	543.0	545.6	548.2	537.5	526.7	513.7
391.7	82.5°	376.4	363.0	376.4	391.7	406.9	408.2	409.3	391.0	372.6	344.6
244.3	85°	232.3	220.2	232.3	244.3	256.2	258.1	259.9	237.3	214.6	188.3
101.9	87.5°	95.7	89.8	95.7	101.9	107.9	110.4	112.7	103.5	94.3	83.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2463.3	0°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2311.6	2.5°	2325.9	2340.3	2354.5	2368.8	2385.1	2401.4	2419.5	2437.6	2460.0	2480.2
2193.5	5°	2216.5	2239.5	2264.8	2290.2	2318.8	2347.5	2381.8	2416.1	2455.3	2495.0
2121.6	7.5°	2149.7	2177.9	2209.8	2241.7	2279.5	2317.3	2362.8	2408.3	2459.1	2513.2
2108.4	10°	2140.1	2171.7	2206.1	2240.4	2278.2	2316.1	2364.1	2412.1	2466.6	2533.5
2168.9	12.5°	2201.6	2234.4	2261.2	2288.3	2313.2	2338.4	2377.5	2416.8	2467.6	2537.8
2295.1	15°	2323.5	2352.0	2359.0	2366.0	2362.6	2359.2	2377.9	2396.7	2437.3	2515.1
2429.3	17.5°	2452.2	2475.1	2453.3	2431.4	2390.2	2349.0	2342.1	2335.2	2360.3	2451.8
2513.0	20°	2523.6	2534.2	2488.4	2442.5	2370.9	2299.3	2267.2	2235.1	2241.7	2348.2
2512.0	22.5°	2505.7	2499.2	2439.6	2380.0	2298.1	2216.4	2168.9	2121.3	2108.4	2229.7
2428.8	25°	2407.0	2385.1	2326.4	2267.7	2194.1	2120.7	2065.9	2011.0	1976.1	2100.4
2284.2	27.5°	2259.7	2235.3	2188.3	2141.2	2080.9	2020.5	1967.5	1914.6	1872.1	1985.2
2132.0	30°	2112.2	2092.3	2053.2	2014.1	1964.0	1913.9	1871.8	1829.8	1796.5	1891.5
2004.4	32.5°	1982.3	1960.3	1922.7	1885.3	1845.2	1805.2	1780.4	1755.5	1740.7	1817.2
1887.2	35°	1860.7	1834.3	1797.1	1760.1	1729.6	1699.1	1692.2	1685.4	1691.5	1755.3
1779.9	37.5°	1747.2	1714.5	1677.4	1640.5	1618.7	1596.7	1604.3	1611.8	1634.3	1690.1
1675.5	40°	1637.7	1600.1	1564.4	1528.7	1512.9	1497.1	1514.2	1531.3	1565.8	1616.4
1575.3	42.5°	1534.6	1494.0	1460.0	1426.2	1413.2	1400.4	1423.1	1445.8	1489.2	1535.8
1486.9	45°	1444.7	1402.6	1370.4	1338.3	1327.3	1316.5	1338.6	1360.7	1402.8	1450.0
1414.1	47.5°	1372.5	1330.9	1299.5	1268.1	1257.9	1247.7	1266.3	1284.8	1321.0	1382.0
1350.8	50°	1313.5	1276.3	1246.7	1217.0	1201.0	1185.2	1201.5	1218.0	1260.0	1340.2
1307.3	52.5°	1272.5	1237.8	1210.7	1183.5	1159.6	1135.7	1151.9	1168.1	1226.9	1319.1
1277.5	55°	1247.2	1216.7	1187.4	1158.1	1124.3	1090.3	1116.0	1141.7	1230.2	1316.0
1252.9	57.5°	1222.8	1192.7	1158.3	1123.9	1087.4	1050.9	1088.4	1125.8	1233.6	1309.2
1218.0	60°	1187.3	1156.8	1117.3	1077.8	1045.8	1013.8	1062.4	1110.9	1223.2	1273.1
1170.2	62.5°	1137.6	1105.0	1058.9	1012.8	992.5	972.2	1032.8	1093.5	1197.6	1203.8
1104.5	65°	1073.3	1042.1	992.7	943.4	935.6	927.8	992.3	1056.8	1136.2	1135.4
1029.4	67.5°	999.9	970.3	924.6	879.1	881.5	884.0	937.7	991.4	1036.0	1038.1
946.2	70°	920.7	895.2	855.1	815.0	823.5	832.0	870.2	908.4	923.0	923.0
847.9	72.5°	824.8	801.8	770.3	738.7	751.1	763.6	789.8	815.9	815.8	806.5
735.4	75°	714.5	693.6	670.2	646.7	658.7	670.7	690.9	711.0	714.6	671.9
623.4	77.5°	605.4	587.5	568.5	549.4	561.5	573.6	589.7	605.9	607.8	537.4
500.5	80°	485.4	470.3	454.5	438.6	448.8	458.9	472.5	486.0	486.3	402.2
316.7	82.5°	322.0	327.2	328.6	329.9	337.1	344.3	350.9	357.5	353.5	281.7
162.1	85°	176.8	191.4	198.3	205.1	213.2	221.2	228.3	235.4	230.2	176.8
72.3	87.5°	83.6	94.7	95.0	95.3	96.8	98.3	101.1	104.0	97.4	75.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
2463.3	0°	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3	2463.3
2501.0	2.5°	2521.7	2543.5	2565.2	2586.8	2608.4	2628.7	2649.1
2537.1	5°	2579.1	2624.1	2669.2	2713.9	2758.7	2803.6	2848.5
2571.9	7.5°	2630.6	2697.3	2763.9	2832.4	2900.8	2974.8	3048.9
2603.0	10°	2672.4	2753.4	2834.3	2924.7	3015.2	3108.8	3202.5
2616.4	12.5°	2694.9	2790.4	2885.9	2988.3	3090.8	3193.6	3296.6
2606.1	15°	2697.0	2806.9	2916.9	3028.0	3139.2	3246.5	3353.8
2561.2	17.5°	2670.5	2798.1	2925.7	3047.0	3168.3	3277.1	3385.9
2483.7	20°	2619.3	2773.9	2928.6	3061.9	3195.1	3308.3	3421.3
2392.9	22.5°	2556.2	2744.3	2932.4	3081.9	3231.3	3347.0	3462.5
2291.5	25°	2482.7	2715.0	2947.3	3118.2	3289.0	3402.2	3515.4
2198.8	27.5°	2412.3	2695.4	2978.5	3174.9	3371.2	3479.3	3587.2
2121.2	30°	2351.0	2686.2	3021.2	3248.4	3475.5	3579.8	3684.1
2054.4	32.5°	2291.5	2674.9	3058.1	3325.0	3592.0	3695.2	3798.5
1988.7	35°	2222.1	2653.5	3085.1	3412.4	3739.6	3838.6	3937.5
1911.4	37.5°	2132.7	2616.9	3101.2	3510.2	3919.2	4045.3	4171.4
1819.1	40°	2021.9	2566.6	3111.3	3634.4	4157.4	4341.2	4524.9
1717.3	42.5°	1898.8	2514.6	3130.5	3796.9	4463.3	4728.5	4993.8
1609.2	45°	1768.4	2466.3	3164.2	4010.7	4857.2	5215.0	5572.7
1523.7	47.5°	1665.3	2426.4	3187.4	4238.5	5289.6	5793.3	6296.8
1466.8	50°	1593.5	2382.9	3172.3	4449.9	5727.5	6486.7	7245.8
1429.4	52.5°	1539.8	2309.4	3079.2	4587.1	6095.0	7215.1	8335.2
1402.3	55°	1488.6	2187.7	2886.8	4556.9	6226.9	7860.9	9495.1
1370.1	57.5°	1431.1	2016.0	2600.9	4344.0	6087.2	8318.6	10550.0
1321.0	60°	1368.9	1793.1	2217.4	3947.8	5678.3	8433.0	11187.5
1235.5	62.5°	1267.4	1526.4	1785.4	3412.2	5039.0	7951.4	10863.8
1150.5	65°	1165.5	1286.4	1407.3	2865.6	4324.1	7269.9	10215.8
1029.8	67.5°	1021.3	1055.8	1090.1	2330.2	3570.4	6459.0	9347.6
884.2	70°	845.2	835.5	825.7	1834.7	2843.8	5574.2	8304.5
751.4	72.5°	696.2	666.5	636.9	1402.7	2168.4	4614.9	7061.5
610.1	75°	548.2	521.4	494.6	1018.0	1541.5	3515.3	5489.1
477.4	77.5°	417.3	399.0	380.7	689.8	998.9	2460.4	3921.9
351.4	80°	300.6	293.0	285.5	444.5	603.5	1585.2	2566.8
244.3	82.5°	206.8	205.3	204.0	273.4	342.9	917.5	1492.1
149.3	85°	121.9	122.7	123.4	146.1	169.0	412.7	656.5
63.9	87.5°	52.7	53.4	54.1	60.6	67.1	135.2	203.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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