

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: P947528

Luminaire Tested: **GALN-SB2D-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P947528  
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-SB2D-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

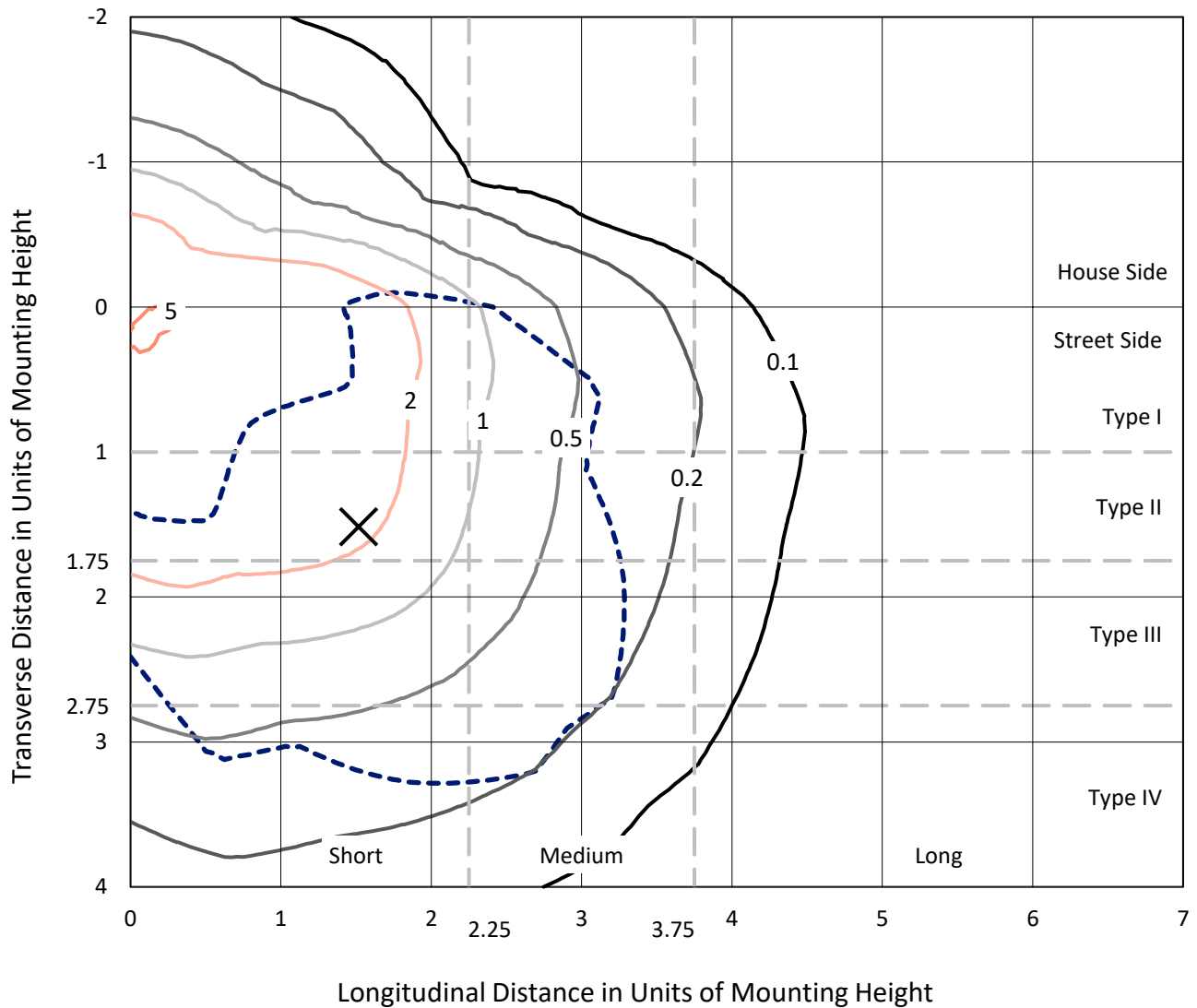
Lumens per Lamp: N/A  
Luminaire Lumens: 18808 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

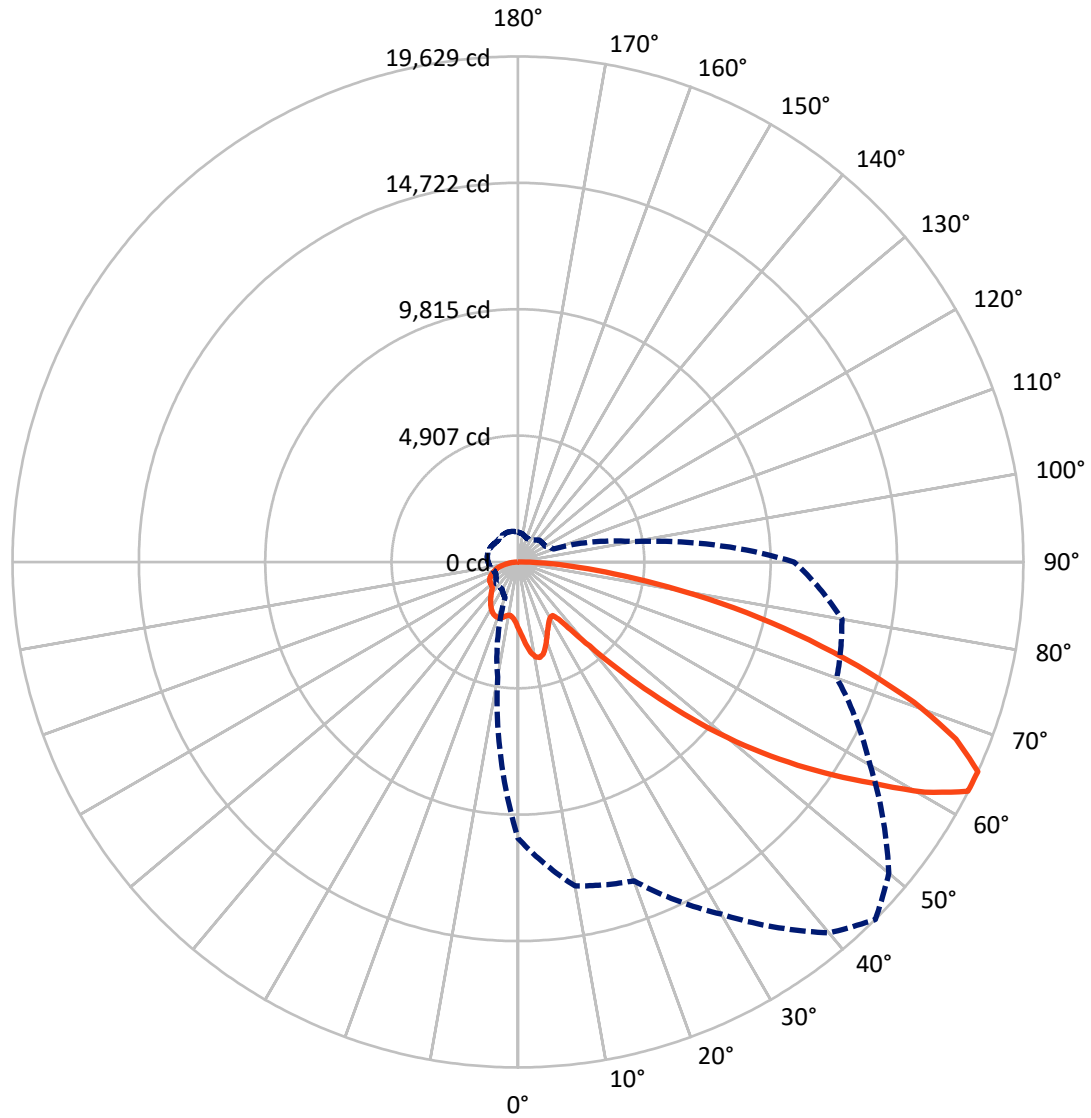
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	4780.0	0.0	4780.0
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	14028.0	0.0	14028.0
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	18808.0	0.0	18808.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.6	1.4
10°-20°	805.4	4.3
20°-30°	1244.0	6.6
30°-40°	1576.5	8.4
40°-50°	2377.8	12.6
50°-60°	3841.6	20.4
60°-70°	4789.2	25.5
70°-80°	3140.5	16.7
80°-90°	776.4	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°	18808.0	100.0
0°-180°	18808.0	100.0

**Coefficient of Utilization**



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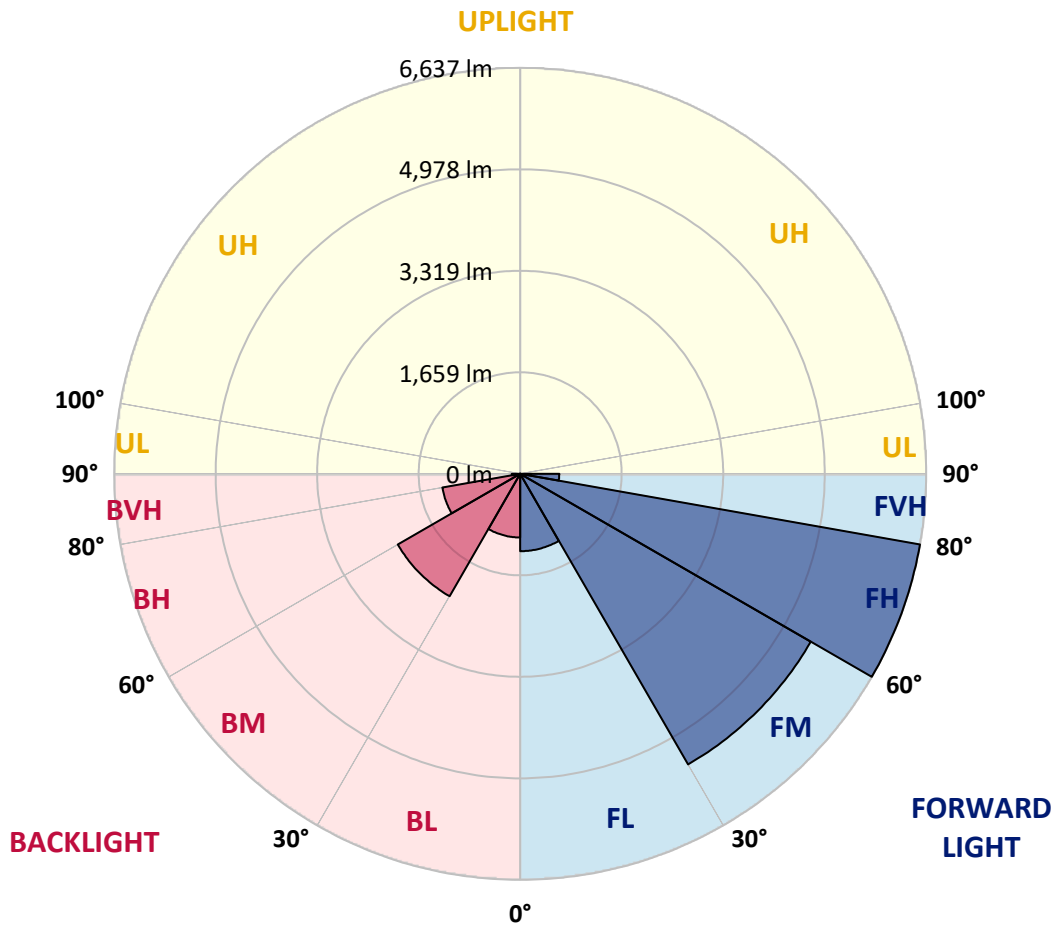
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1265.1	6.7			
FM (30°-60°)	5485.9	29.2			
FH (60°-80°)	6637.4	35.3			G3/7500
FVH (80°-90°)	639.6	3.4			G4/750
BL (0°-30°)	1040.9	5.5	B3/2500		
BM (30°-60°)	2310.0	12.3	B2/2500		
BH (60°-80°)	1292.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	136.8	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°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2.5°	2781.3	2791.8	2802.4	2817.4	2832.4	2841.3	2850.2	2854.7	2859.2	2857.2
5°	2990.7	3027.5	3064.4	3100.9	3137.6	3157.4	3177.3	3189.3	3201.4	3210.5
7.5°	3201.1	3261.0	3320.9	3374.7	3428.6	3461.1	3493.5	3511.1	3528.6	3537.0
10°	3362.3	3433.2	3504.1	3567.3	3630.5	3668.8	3706.9	3724.0	3740.9	3747.4
12.5°	3461.1	3537.9	3614.6	3671.8	3728.7	3756.5	3784.3	3793.6	3803.0	3804.0
15°	3521.1	3587.4	3653.6	3689.4	3725.4	3726.4	3727.4	3717.4	3707.5	3695.8
17.5°	3554.9	3599.6	3644.4	3645.1	3645.7	3605.5	3565.3	3528.5	3491.6	3465.6
20°	3592.1	3607.7	3623.3	3576.2	3529.1	3440.3	3351.6	3287.0	3222.4	3182.7
22.5°	3635.3	3614.8	3594.4	3496.7	3399.1	3268.6	3138.1	3057.3	2976.5	2932.6
25°	3690.8	3626.3	3561.8	3413.5	3265.3	3106.8	2948.3	2863.3	2778.6	2737.1
27.5°	3766.3	3650.9	3535.5	3339.1	3142.8	2967.2	2791.5	2707.9	2624.5	2585.3
30°	3868.0	3696.0	3524.1	3282.3	3040.6	2857.6	2674.6	2597.1	2519.6	2483.0
32.5°	3988.1	3752.6	3517.2	3243.6	2970.1	2798.1	2626.2	2565.3	2504.4	2478.1
35°	4134.0	3845.7	3557.6	3272.6	2987.7	2868.2	2748.8	2734.6	2720.4	2718.3
37.5°	4379.6	4040.6	3701.6	3442.5	3183.5	3175.8	3168.0	3232.9	3297.8	3331.6
40°	4750.7	4382.1	4013.4	3820.7	3628.1	3764.1	3900.0	4057.8	4215.6	4294.2
42.5°	5243.0	4877.2	4511.4	4400.4	4289.5	4586.0	4882.5	5169.5	5456.6	5625.1
45°	5850.8	5522.3	5193.6	5144.6	5095.6	5570.7	6045.9	6517.5	6989.2	7275.5
47.5°	6611.0	6291.4	5971.6	5961.7	5951.8	6637.1	7322.3	8012.7	8703.1	9108.5
50°	7607.4	7212.6	6817.8	6819.5	6821.1	7704.4	8587.7	9499.0	10410.3	10961.3
52.5°	8751.2	8273.1	7795.0	7746.7	7698.2	8753.3	9808.3	10935.9	12063.4	12723.9
55°	9968.9	9496.5	9024.1	8835.7	8647.2	9821.4	10995.6	12339.8	13684.1	14469.6
57.5°	11076.5	10819.2	10561.9	10183.9	9806.0	10991.6	12177.3	13699.8	15222.3	16196.4
60°	11745.9	12145.4	12545.1	12075.6	11606.2	12728.3	13850.3	15480.5	17110.6	18163.4
62.5°	11406.0	12497.7	13589.5	13536.6	13483.6	14511.5	15539.4	17090.4	18641.2	19614.3
65°	10725.6	11750.3	12775.0	12977.8	13180.4	14486.6	15793.0	17296.9	18800.7	19629.2
67.5°	9814.1	10788.7	11763.2	11858.3	11953.3	13314.3	14675.2	16185.6	17695.9	18345.0
70°	8719.0	9779.0	10839.1	10881.6	10924.1	12141.2	13358.3	14658.0	15957.7	16318.5
72.5°	7413.9	8630.3	9846.9	9877.4	9907.9	10860.1	11812.3	12785.8	13759.2	13795.7
75°	5763.0	7022.0	8281.0	8394.0	8507.1	9247.9	9988.8	10674.0	11359.3	11175.7
77.5°	4117.6	5292.8	6468.1	6629.9	6791.7	7354.9	7918.1	8404.1	8890.2	8574.6
80°	2694.9	3683.7	4672.3	4873.4	5074.5	5499.8	5925.0	6180.2	6435.4	5927.8
82.5°	1566.5	2242.5	2918.5	3143.1	3367.8	3660.6	3953.3	4059.8	4166.2	3767.2
85°	689.2	1048.0	1406.8	1597.8	1788.8	2029.4	2269.9	2330.3	2390.8	2071.2
87.5°	213.4	334.0	454.5	561.1	667.7	788.0	908.3	913.4	918.5	771.1
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°
2586.3	0°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2859.2	2.5°	2854.7	2850.2	2841.3	2832.4	2817.4	2802.4	2791.8	2781.3	2759.9	2738.6
3201.4	5°	3189.3	3177.3	3157.4	3137.6	3100.9	3064.4	3027.5	2990.7	2943.5	2896.4
3528.6	7.5°	3511.1	3493.5	3461.1	3428.6	3374.7	3320.9	3261.0	3201.1	3123.3	3045.6
3740.9	10°	3724.0	3706.9	3668.8	3630.5	3567.3	3504.1	3433.2	3362.3	3264.0	3165.6
3803.0	12.5°	3793.6	3784.3	3756.5	3728.7	3671.8	3614.6	3537.9	3461.1	3353.0	3245.0
3707.5	15°	3717.4	3727.4	3726.4	3725.4	3689.4	3653.6	3587.4	3521.1	3408.5	3295.8
3491.6	17.5°	3528.5	3565.3	3605.5	3645.7	3645.1	3644.4	3599.6	3554.9	3440.6	3326.4
3222.4	20°	3287.0	3351.6	3440.3	3529.1	3576.2	3623.3	3607.7	3592.1	3473.4	3354.6
2976.5	22.5°	3057.3	3138.1	3268.6	3399.1	3496.7	3594.4	3614.8	3635.3	3514.0	3392.6
2778.6	25°	2863.3	2948.3	3106.8	3265.3	3413.5	3561.8	3626.3	3690.8	3571.9	3453.1
2624.5	27.5°	2707.9	2791.5	2967.2	3142.8	3339.1	3535.5	3650.9	3766.3	3652.9	3539.5
2519.6	30°	2597.1	2674.6	2857.6	3040.6	3282.3	3524.1	3696.0	3868.0	3758.4	3649.0
2504.4	32.5°	2565.3	2626.2	2798.1	2970.1	3243.6	3517.2	3752.6	3988.1	3879.6	3771.2
2720.4	35°	2734.6	2748.8	2868.2	2987.7	3272.6	3557.6	3845.7	4134.0	4030.1	3926.2
3297.8	37.5°	3232.9	3168.0	3175.8	3183.5	3442.5	3701.6	4040.6	4379.6	4247.2	4114.8
4215.6	40°	4057.8	3900.0	3764.1	3628.1	3820.7	4013.4	4382.1	4750.7	4557.8	4364.9
5456.6	42.5°	5169.5	4882.5	4586.0	4289.5	4400.4	4511.4	4877.2	5243.0	4964.5	4686.0
6989.2	45°	6517.5	6045.9	5570.7	5095.6	5144.6	5193.6	5522.3	5850.8	5475.2	5099.6
8703.1	47.5°	8012.7	7322.3	6637.1	5951.8	5961.7	5971.6	6291.4	6611.0	6082.4	5553.6
10410.3	50°	9499.0	8587.7	7704.4	6821.1	6819.5	6817.8	7212.6	7607.4	6810.4	6013.3
12063.4	52.5°	10935.9	9808.3	8753.3	7698.2	7746.7	7795.0	8273.1	8751.2	7575.2	6399.2
13684.1	55°	12339.8	10995.6	9821.4	8647.2	8835.7	9024.1	9496.5	9968.9	8253.2	6537.6
15222.3	57.5°	13699.8	12177.3	10991.6	9806.0	10183.9	10561.9	10819.2	11076.5	8733.7	6391.0
17110.6	60°	15480.5	13850.3	12728.3	11606.2	12075.6	12545.1	12145.4	11745.9	8853.8	5961.7
18641.2	62.5°	17090.4	15539.4	14511.5	13483.6	13536.6	13589.5	12497.7	11406.0	8348.2	5290.4
18800.7	65°	17296.9	15793.0	14486.6	13180.4	12977.8	12775.0	11750.3	10725.6	7632.7	4539.9
17695.9	67.5°	16185.6	14675.2	13314.3	11953.3	11858.3	11763.2	10788.7	9814.1	6781.3	3748.6
15957.7	70°	14658.0	13358.3	12141.2	10924.1	10881.6	10839.1	9779.0	8719.0	5852.3	2985.7
13759.2	72.5°	12785.8	11812.3	10860.1	9907.9	9877.4	9846.9	8630.3	7413.9	4845.2	2276.6
11359.3	75°	10674.0	9988.8	9247.9	8507.1	8394.0	8281.0	7022.0	5763.0	3690.7	1618.4
8890.2	77.5°	8404.1	7918.1	7354.9	6791.7	6629.9	6468.1	5292.8	4117.6	2583.2	1048.8
6435.4	80°	6180.2	5925.0	5499.8	5074.5	4873.4	4672.3	3683.7	2694.9	1664.3	633.7
4166.2	82.5°	4059.8	3953.3	3660.6	3367.8	3143.1	2918.5	2242.5	1566.5	963.2	360.1
2390.8	85°	2330.3	2269.9	2029.4	1788.8	1597.8	1406.8	1048.0	689.2	433.3	177.4
918.5	87.5°	913.4	908.3	788.0	667.7	561.1	454.5	334.0	213.4	141.9	70.5
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°
2586.3	0°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2715.9	2.5°	2693.2	2670.4	2647.6	2625.8	2603.9	2582.8	2559.3	2540.2	2521.3	2504.1
2849.4	5°	2802.4	2755.1	2707.8	2663.7	2619.5	2577.8	2536.6	2500.7	2464.7	2434.5
2973.7	7.5°	2901.9	2831.9	2761.9	2700.3	2638.7	2581.8	2528.5	2480.7	2432.9	2393.2
3070.7	10°	2975.8	2890.8	2805.8	2732.9	2659.9	2589.7	2532.5	2482.1	2431.6	2391.9
3137.5	12.5°	3029.9	2929.6	2829.4	2746.9	2664.5	2590.7	2537.4	2496.1	2455.1	2428.7
3179.1	15°	3062.4	2947.0	2831.6	2736.1	2640.6	2559.0	2516.3	2496.5	2476.9	2480.5
3199.1	17.5°	3071.8	2937.8	2803.8	2689.0	2574.2	2478.1	2451.8	2459.0	2466.2	2509.4
3214.7	20°	3074.7	2912.4	2750.0	2607.7	2465.4	2353.5	2346.6	2380.3	2414.1	2489.2
3235.7	22.5°	3078.7	2881.2	2683.7	2512.3	2340.9	2213.6	2227.2	2277.1	2327.0	2412.8
3273.8	25°	3094.4	2850.4	2606.6	2405.8	2205.2	2074.7	2111.4	2168.9	2226.5	2303.6
3333.4	27.5°	3127.1	2829.9	2532.7	2308.5	2084.3	1965.5	2010.2	2065.7	2121.3	2184.7
3410.5	30°	3172.0	2820.3	2468.4	2227.1	1985.8	1886.1	1921.1	1965.2	2009.5	2062.1
3491.0	32.5°	3210.7	2808.4	2405.8	2156.9	1907.9	1827.6	1843.1	1869.2	1895.3	1937.3
3582.7	35°	3239.1	2785.9	2333.0	2088.0	1842.9	1775.9	1769.5	1776.6	1783.9	1815.9
3685.4	37.5°	3256.0	2747.5	2239.1	2006.8	1774.5	1715.9	1692.3	1684.3	1676.4	1699.4
3815.8	40°	3266.6	2694.6	2122.8	1909.9	1697.0	1644.0	1607.7	1589.8	1571.8	1588.4
3986.4	42.5°	3286.7	2640.1	1993.6	1803.0	1612.5	1563.6	1517.9	1494.1	1470.3	1483.8
4210.9	45°	3322.1	2589.3	1856.6	1689.5	1522.4	1472.8	1428.6	1405.4	1382.3	1393.6
4450.0	47.5°	3346.5	2547.5	1748.5	1599.7	1450.9	1386.9	1348.9	1329.5	1310.0	1320.7
4671.9	50°	3330.6	2501.8	1673.0	1540.0	1407.1	1322.9	1278.7	1261.5	1244.3	1261.0
4816.0	52.5°	3232.8	2424.7	1616.7	1500.7	1384.9	1288.2	1226.4	1209.4	1192.4	1217.5
4784.3	55°	3030.9	2296.9	1562.9	1472.3	1381.7	1291.6	1198.7	1171.7	1144.8	1180.4
4560.8	57.5°	2730.7	2116.6	1502.5	1438.5	1374.5	1295.1	1182.0	1142.7	1103.4	1141.7
4144.9	60°	2328.0	1882.6	1437.2	1386.9	1336.6	1284.2	1166.3	1115.4	1064.4	1098.0
3582.5	62.5°	1874.5	1602.6	1330.6	1297.2	1263.9	1257.4	1148.0	1084.3	1020.7	1042.0
3008.6	65°	1477.5	1350.6	1223.7	1207.9	1192.1	1192.9	1109.5	1041.8	974.1	982.3
2446.5	67.5°	1144.5	1108.4	1072.3	1081.1	1089.9	1087.7	1040.9	984.5	928.1	925.5
1926.3	70°	866.9	877.2	887.4	928.3	969.1	969.1	953.7	913.6	873.5	864.6
1472.7	72.5°	668.7	699.8	730.9	788.9	846.7	856.5	856.7	829.2	801.7	788.6
1068.8	75°	519.2	547.4	575.6	640.5	705.4	750.3	746.5	725.4	704.1	691.6
724.3	77.5°	399.7	418.9	438.2	501.2	564.2	638.1	636.1	619.2	602.2	589.5
466.6	80°	299.7	307.7	315.6	369.0	422.3	510.6	510.3	496.1	481.8	471.2
287.0	82.5°	214.2	215.6	217.1	256.4	295.7	371.2	375.3	368.4	361.4	353.9
153.4	85°	129.5	128.8	128.0	156.8	185.6	241.7	247.1	239.7	232.2	223.8
63.6	87.5°	56.8	56.1	55.4	67.1	78.9	102.2	109.2	106.2	103.2	101.6
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°
2586.3	0°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2487.0	2.5°	2472.0	2457.0	2442.0	2427.0	2415.4	2403.7	2394.2	2384.8	2377.5	2370.1
2404.4	5°	2377.9	2351.3	2327.1	2302.9	2284.4	2265.7	2252.7	2239.7	2230.5	2221.2
2353.5	7.5°	2320.1	2286.5	2257.0	2227.5	2205.4	2183.3	2167.9	2152.4	2141.8	2131.2
2352.2	10°	2316.2	2280.1	2246.9	2213.6	2187.2	2160.7	2143.4	2126.0	2116.0	2105.9
2402.5	12.5°	2374.1	2345.9	2311.5	2277.1	2243.4	2209.6	2187.3	2165.0	2153.8	2142.6
2484.0	15°	2476.7	2469.4	2439.5	2409.6	2361.6	2313.5	2279.6	2245.7	2230.1	2214.6
2552.7	17.5°	2575.7	2598.7	2574.6	2550.5	2486.9	2423.3	2373.3	2323.3	2300.2	2277.1
2564.4	20°	2612.6	2660.7	2649.6	2638.4	2565.6	2493.0	2431.6	2370.4	2340.9	2311.4
2498.7	22.5°	2561.4	2624.0	2630.7	2637.4	2567.9	2498.4	2435.3	2372.1	2341.0	2309.9
2380.8	25°	2442.5	2504.1	2527.1	2550.0	2493.1	2436.2	2380.0	2324.1	2297.1	2270.2
2248.0	27.5°	2297.5	2346.9	2372.5	2398.2	2357.6	2317.1	2273.5	2230.0	2211.9	2193.8
2114.7	30°	2155.6	2196.7	2217.6	2238.4	2207.6	2176.6	2145.4	2114.1	2104.8	2095.5
1979.4	32.5°	2018.7	2058.1	2081.2	2104.4	2076.1	2047.6	2022.7	1997.8	1991.7	1985.6
1847.9	35°	1886.8	1925.8	1953.6	1981.4	1961.1	1941.0	1918.0	1895.0	1885.8	1876.7
1722.4	37.5°	1761.2	1800.1	1834.4	1868.7	1859.4	1850.1	1828.9	1807.7	1790.9	1774.3
1605.0	40°	1642.5	1680.0	1719.5	1759.1	1761.4	1763.5	1745.6	1727.6	1703.2	1679.0
1497.4	42.5°	1532.9	1568.5	1611.2	1653.9	1665.3	1676.7	1661.5	1646.4	1616.2	1585.9
1405.1	45°	1438.8	1472.6	1516.8	1561.1	1577.5	1593.8	1580.1	1566.5	1531.9	1497.4
1331.3	47.5°	1364.4	1397.3	1441.0	1484.7	1503.5	1522.4	1512.9	1503.3	1472.6	1441.8
1277.7	50°	1308.9	1340.0	1379.1	1418.2	1442.4	1466.6	1466.0	1465.6	1441.0	1416.4
1242.5	52.5°	1271.1	1299.6	1336.0	1372.5	1401.2	1429.9	1435.0	1440.2	1420.2	1400.1
1215.9	55°	1246.7	1277.5	1309.4	1341.3	1371.6	1402.1	1409.2	1416.4	1398.9	1381.5
1180.0	57.5°	1216.1	1252.2	1283.8	1315.5	1346.1	1376.7	1383.9	1391.2	1373.5	1355.9
1131.6	60°	1173.0	1214.5	1246.6	1278.7	1309.5	1340.3	1348.2	1356.2	1338.9	1321.7
1063.4	62.5°	1111.7	1160.1	1194.4	1228.6	1256.8	1285.0	1292.6	1300.3	1284.7	1269.1
990.4	65°	1042.2	1094.1	1126.9	1159.6	1184.5	1209.3	1217.1	1224.9	1209.9	1194.9
923.0	67.5°	970.8	1018.7	1049.8	1080.8	1102.2	1123.6	1131.3	1138.8	1125.0	1111.3
855.7	70°	897.7	939.8	966.6	993.4	1012.8	1032.1	1039.5	1046.8	1035.6	1024.4
775.6	72.5°	808.7	841.8	866.0	890.2	909.2	928.1	936.9	945.6	936.3	926.9
679.0	75°	703.6	728.2	750.2	772.1	789.4	806.6	815.8	824.9	820.3	815.8
576.8	77.5°	596.8	616.8	635.6	654.5	672.7	690.7	699.3	707.8	701.4	694.9
460.5	80°	477.2	493.7	509.6	525.5	539.3	553.0	564.3	575.6	572.8	570.1
346.4	82.5°	345.0	343.6	338.0	332.5	361.8	391.2	410.5	429.7	428.5	427.2
215.4	85°	208.2	201.0	185.6	170.2	197.7	225.3	249.1	272.9	270.9	268.9
100.0	87.5°	99.7	99.4	87.7	75.9	87.4	99.0	108.7	118.3	115.9	113.3
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°
2586.3	0°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2363.4	2.5°	2356.5	2348.1	2356.5	2363.4	2370.1	2377.5	2384.8	2394.2	2403.7	2415.4
2214.2	5°	2207.2	2200.2	2207.2	2214.2	2221.2	2230.5	2239.7	2252.7	2265.7	2284.4
2124.9	7.5°	2118.6	2113.9	2118.6	2124.9	2131.2	2141.8	2152.4	2167.9	2183.3	2205.4
2100.6	10°	2095.2	2093.0	2095.2	2100.6	2105.9	2116.0	2126.0	2143.4	2160.7	2187.2
2138.1	12.5°	2133.5	2132.7	2133.5	2138.1	2142.6	2153.8	2165.0	2187.3	2209.6	2243.4
2208.6	15°	2202.7	2202.2	2202.7	2208.6	2214.6	2230.1	2245.7	2279.6	2313.5	2361.6
2269.6	17.5°	2261.9	2260.7	2261.9	2269.6	2277.1	2300.2	2323.3	2373.3	2423.3	2486.9
2301.9	20°	2292.5	2289.5	2292.5	2301.9	2311.4	2340.9	2370.4	2431.6	2493.0	2565.6
2299.5	22.5°	2289.0	2284.6	2289.0	2299.5	2309.9	2341.0	2372.1	2435.3	2498.4	2567.9
2260.3	25°	2250.6	2244.9	2250.6	2260.3	2270.2	2297.1	2324.1	2380.0	2436.2	2493.1
2189.3	27.5°	2184.8	2183.3	2184.8	2189.3	2193.8	2211.9	2230.0	2273.5	2317.1	2357.6
2095.5	30°	2095.5	2097.0	2095.5	2095.5	2095.5	2104.8	2114.1	2145.4	2176.6	2207.6
1986.4	32.5°	1987.3	1988.8	1987.3	1986.4	1985.6	1991.7	1997.8	2022.7	2047.6	2076.1
1874.7	35°	1872.7	1871.7	1872.7	1874.7	1876.7	1885.8	1895.0	1918.0	1941.0	1961.1
1765.4	37.5°	1756.6	1751.6	1756.6	1765.4	1774.3	1790.9	1807.7	1828.9	1850.1	1859.4
1662.5	40°	1646.2	1636.5	1646.2	1662.5	1679.0	1703.2	1727.6	1745.6	1763.5	1761.4
1562.0	42.5°	1538.1	1522.4	1538.1	1562.0	1585.9	1616.2	1646.4	1661.5	1676.7	1665.3
1469.3	45°	1441.2	1423.1	1441.2	1469.3	1497.4	1531.9	1566.5	1580.1	1593.8	1577.5
1415.8	47.5°	1389.9	1372.5	1389.9	1415.8	1441.8	1472.6	1503.3	1512.9	1522.4	1503.5
1392.4	50°	1368.4	1351.7	1368.4	1392.4	1416.4	1441.0	1465.6	1466.0	1466.6	1442.4
1378.6	52.5°	1357.1	1341.8	1357.1	1378.6	1400.1	1420.2	1440.2	1435.0	1429.9	1401.2
1362.6	55°	1343.7	1329.9	1343.7	1362.6	1381.5	1398.9	1416.4	1409.2	1402.1	1371.6
1337.2	57.5°	1318.4	1304.0	1318.4	1337.2	1355.9	1373.5	1391.2	1383.9	1376.7	1346.1
1302.5	60°	1283.2	1268.3	1283.2	1302.5	1321.7	1338.9	1356.2	1348.2	1340.3	1309.5
1248.9	62.5°	1228.6	1210.8	1228.6	1248.9	1269.1	1284.7	1300.3	1292.6	1285.0	1256.8
1175.2	65°	1155.7	1140.3	1155.7	1175.2	1194.9	1209.9	1224.9	1217.1	1209.3	1184.5
1093.1	67.5°	1074.8	1060.9	1074.8	1093.1	1111.3	1125.0	1138.8	1131.3	1123.6	1102.2
1006.9	70°	989.4	973.6	989.4	1006.9	1024.4	1035.6	1046.8	1039.5	1032.1	1012.8
910.3	72.5°	893.7	878.3	893.7	910.3	926.9	936.3	945.6	936.9	928.1	909.2
801.8	75°	787.8	773.1	787.8	801.8	815.8	820.3	824.9	815.8	806.6	789.4
680.8	77.5°	666.7	655.0	666.7	680.8	694.9	701.4	707.8	699.3	690.7	672.7
551.2	80°	532.1	510.1	532.1	551.2	570.1	572.8	575.6	564.3	553.0	539.3
411.3	82.5°	395.2	381.1	395.2	411.3	427.2	428.5	429.7	410.5	391.2	361.8
256.4	85°	243.9	231.2	243.9	256.4	268.9	270.9	272.9	249.1	225.3	197.7
107.0	87.5°	100.4	94.3	100.4	107.0	113.3	115.9	118.3	108.7	99.0	87.4
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°
2586.3	0°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2427.0	2.5°	2442.0	2457.0	2472.0	2487.0	2504.1	2521.3	2540.2	2559.3	2582.8	2603.9
2302.9	5°	2327.1	2351.3	2377.9	2404.4	2434.5	2464.7	2500.7	2536.6	2577.8	2619.5
2227.5	7.5°	2257.0	2286.5	2320.1	2353.5	2393.2	2432.9	2480.7	2528.5	2581.8	2638.7
2213.6	10°	2246.9	2280.1	2316.2	2352.2	2391.9	2431.6	2482.1	2532.5	2589.7	2659.9
2277.1	12.5°	2311.5	2345.9	2374.1	2402.5	2428.7	2455.1	2496.1	2537.4	2590.7	2664.5
2409.6	15°	2439.5	2469.4	2476.7	2484.0	2480.5	2476.9	2496.5	2516.3	2559.0	2640.6
2550.5	17.5°	2574.6	2598.7	2575.7	2552.7	2509.4	2466.2	2459.0	2451.8	2478.1	2574.2
2638.4	20°	2649.6	2660.7	2612.6	2564.4	2489.2	2414.1	2380.3	2346.6	2353.5	2465.4
2637.4	22.5°	2630.7	2624.0	2561.4	2498.7	2412.8	2327.0	2277.1	2227.2	2213.6	2340.9
2550.0	25°	2527.1	2504.1	2442.5	2380.8	2303.6	2226.5	2168.9	2111.4	2074.7	2205.2
2398.2	27.5°	2372.5	2346.9	2297.5	2248.0	2184.7	2121.3	2065.7	2010.2	1965.5	2084.3
2238.4	30°	2217.6	2196.7	2155.6	2114.7	2062.1	2009.5	1965.2	1921.1	1886.1	1985.8
2104.4	32.5°	2081.2	2058.1	2018.7	1979.4	1937.3	1895.3	1869.2	1843.1	1827.6	1907.9
1981.4	35°	1953.6	1925.8	1886.8	1847.9	1815.9	1783.9	1776.6	1769.5	1775.9	1842.9
1868.7	37.5°	1834.4	1800.1	1761.2	1722.4	1699.4	1676.4	1684.3	1692.3	1715.9	1774.5
1759.1	40°	1719.5	1680.0	1642.5	1605.0	1588.4	1571.8	1589.8	1607.7	1644.0	1697.0
1653.9	42.5°	1611.2	1568.5	1532.9	1497.4	1483.8	1470.3	1494.1	1517.9	1563.6	1612.5
1561.1	45°	1516.8	1472.6	1438.8	1405.1	1393.6	1382.3	1405.4	1428.6	1472.8	1522.4
1484.7	47.5°	1441.0	1397.3	1364.4	1331.3	1320.7	1310.0	1329.5	1348.9	1386.9	1450.9
1418.2	50°	1379.1	1340.0	1308.9	1277.7	1261.0	1244.3	1261.5	1278.7	1322.9	1407.1
1372.5	52.5°	1336.0	1299.6	1271.1	1242.5	1217.5	1192.4	1209.4	1226.4	1288.2	1384.9
1341.3	55°	1309.4	1277.5	1246.7	1215.9	1180.4	1144.8	1171.7	1198.7	1291.6	1381.7
1315.5	57.5°	1283.8	1252.2	1216.1	1180.0	1141.7	1103.4	1142.7	1182.0	1295.1	1374.5
1278.7	60°	1246.6	1214.5	1173.0	1131.6	1098.0	1064.4	1115.4	1166.3	1284.2	1336.6
1228.6	62.5°	1194.4	1160.1	1111.7	1063.4	1042.0	1020.7	1084.3	1148.0	1257.4	1263.9
1159.6	65°	1126.9	1094.1	1042.2	990.4	982.3	974.1	1041.8	1109.5	1192.9	1192.1
1080.8	67.5°	1049.8	1018.7	970.8	923.0	925.5	928.1	984.5	1040.9	1087.7	1089.9
993.4	70°	966.6	939.8	897.7	855.7	864.6	873.5	913.6	953.7	969.1	969.1
890.2	72.5°	866.0	841.8	808.7	775.6	788.6	801.7	829.2	856.7	856.5	846.7
772.1	75°	750.2	728.2	703.6	679.0	691.6	704.1	725.4	746.5	750.3	705.4
654.5	77.5°	635.6	616.8	596.8	576.8	589.5	602.2	619.2	636.1	638.1	564.2
525.5	80°	509.6	493.7	477.2	460.5	471.2	481.8	496.1	510.3	510.6	422.3
332.5	82.5°	338.0	343.6	345.0	346.4	353.9	361.4	368.4	375.3	371.2	295.7
170.2	85°	185.6	201.0	208.2	215.4	223.8	232.2	239.7	247.1	241.7	185.6
75.9	87.5°	87.7	99.4	99.7	100.0	101.6	103.2	106.2	109.2	102.2	78.9
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):**

325°		330°	335°	340°	345°	350°	355°	360°
2586.3	0°	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3	2586.3
2625.8	2.5°	2647.6	2670.4	2693.2	2715.9	2738.6	2759.9	2781.3
2663.7	5°	2707.8	2755.1	2802.4	2849.4	2896.4	2943.5	2990.7
2700.3	7.5°	2761.9	2831.9	2901.9	2973.7	3045.6	3123.3	3201.1
2732.9	10°	2805.8	2890.8	2975.8	3070.7	3165.6	3264.0	3362.3
2746.9	12.5°	2829.4	2929.6	3029.9	3137.5	3245.0	3353.0	3461.1
2736.1	15°	2831.6	2947.0	3062.4	3179.1	3295.8	3408.5	3521.1
2689.0	17.5°	2803.8	2937.8	3071.8	3199.1	3326.4	3440.6	3554.9
2607.7	20°	2750.0	2912.4	3074.7	3214.7	3354.6	3473.4	3592.1
2512.3	22.5°	2683.7	2881.2	3078.7	3235.7	3392.6	3514.0	3635.3
2405.8	25°	2606.6	2850.4	3094.4	3273.8	3453.1	3571.9	3690.8
2308.5	27.5°	2532.7	2829.9	3127.1	3333.4	3539.5	3652.9	3766.3
2227.1	30°	2468.4	2820.3	3172.0	3410.5	3649.0	3758.4	3868.0
2156.9	32.5°	2405.8	2808.4	3210.7	3491.0	3771.2	3879.6	3988.1
2088.0	35°	2333.0	2785.9	3239.1	3582.7	3926.2	4030.1	4134.0
2006.8	37.5°	2239.1	2747.5	3256.0	3685.4	4114.8	4247.2	4379.6
1909.9	40°	2122.8	2694.6	3266.6	3815.8	4364.9	4557.8	4750.7
1803.0	42.5°	1993.6	2640.1	3286.7	3986.4	4686.0	4964.5	5243.0
1689.5	45°	1856.6	2589.3	3322.1	4210.9	5099.6	5475.2	5850.8
1599.7	47.5°	1748.5	2547.5	3346.5	4450.0	5553.6	6082.4	6611.0
1540.0	50°	1673.0	2501.8	3330.6	4671.9	6013.3	6810.4	7607.4
1500.7	52.5°	1616.7	2424.7	3232.8	4816.0	6399.2	7575.2	8751.2
1472.3	55°	1562.9	2296.9	3030.9	4784.3	6537.6	8253.2	9968.9
1438.5	57.5°	1502.5	2116.6	2730.7	4560.8	6391.0	8733.7	11076.5
1386.9	60°	1437.2	1882.6	2328.0	4144.9	5961.7	8853.8	11745.9
1297.2	62.5°	1330.6	1602.6	1874.5	3582.5	5290.4	8348.2	11406.0
1207.9	65°	1223.7	1350.6	1477.5	3008.6	4539.9	7632.7	10725.6
1081.1	67.5°	1072.3	1108.4	1144.5	2446.5	3748.6	6781.3	9814.1
928.3	70°	887.4	877.2	866.9	1926.3	2985.7	5852.3	8719.0
788.9	72.5°	730.9	699.8	668.7	1472.7	2276.6	4845.2	7413.9
640.5	75°	575.6	547.4	519.2	1068.8	1618.4	3690.7	5763.0
501.2	77.5°	438.2	418.9	399.7	724.3	1048.8	2583.2	4117.6
369.0	80°	315.6	307.7	299.7	466.6	633.7	1664.3	2694.9
256.4	82.5°	217.1	215.6	214.2	287.0	360.1	963.2	1566.5
156.8	85°	128.0	128.8	129.5	153.4	177.4	433.3	689.2
67.1	87.5°	55.4	56.1	56.8	63.6	70.5	141.9	213.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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