

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: P950741

Luminaire Tested: **GALN-SB5A-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950741  
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-SB5A-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

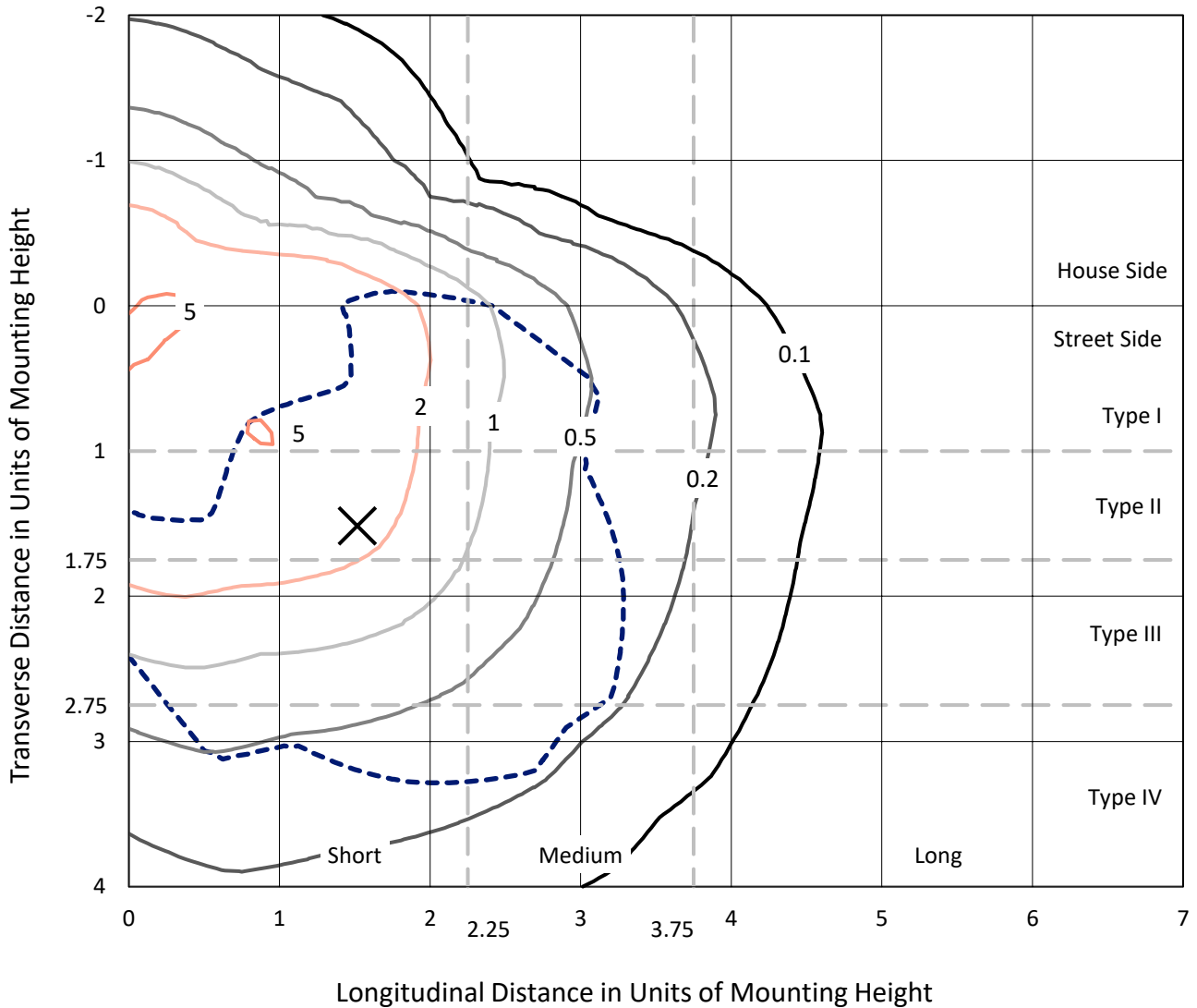
Lumens per Lamp: N/A  
Luminaire Lumens: 20942 lumens  
Efficiency: N/A  
Efficacy: 147.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

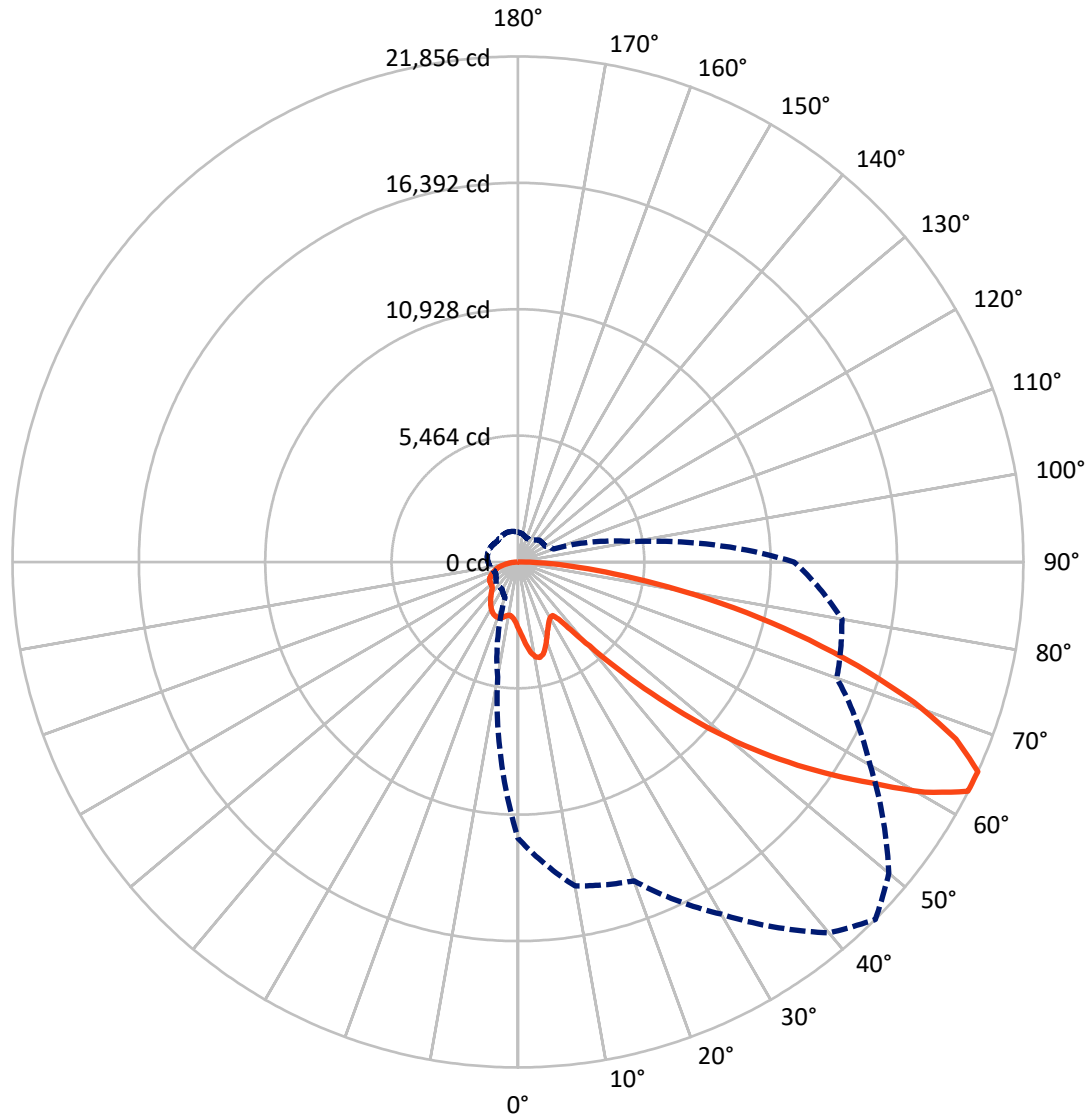
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	5322.4	0.0	5322.4
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	15619.6	0.0	15619.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	20942.0	0.0	20942.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.7	1.4
10°-20°	896.8	4.3
20°-30°	1385.2	6.6
30°-40°	1755.4	8.4
40°-50°	2647.5	12.6
50°-60°	4277.5	20.4
60°-70°	5332.6	25.5
70°-80°	3496.9	16.7
80°-90°	864.5	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°	20942.0	100.0
0°-180°	20942.0	100.0

**Coefficient of Utilization**



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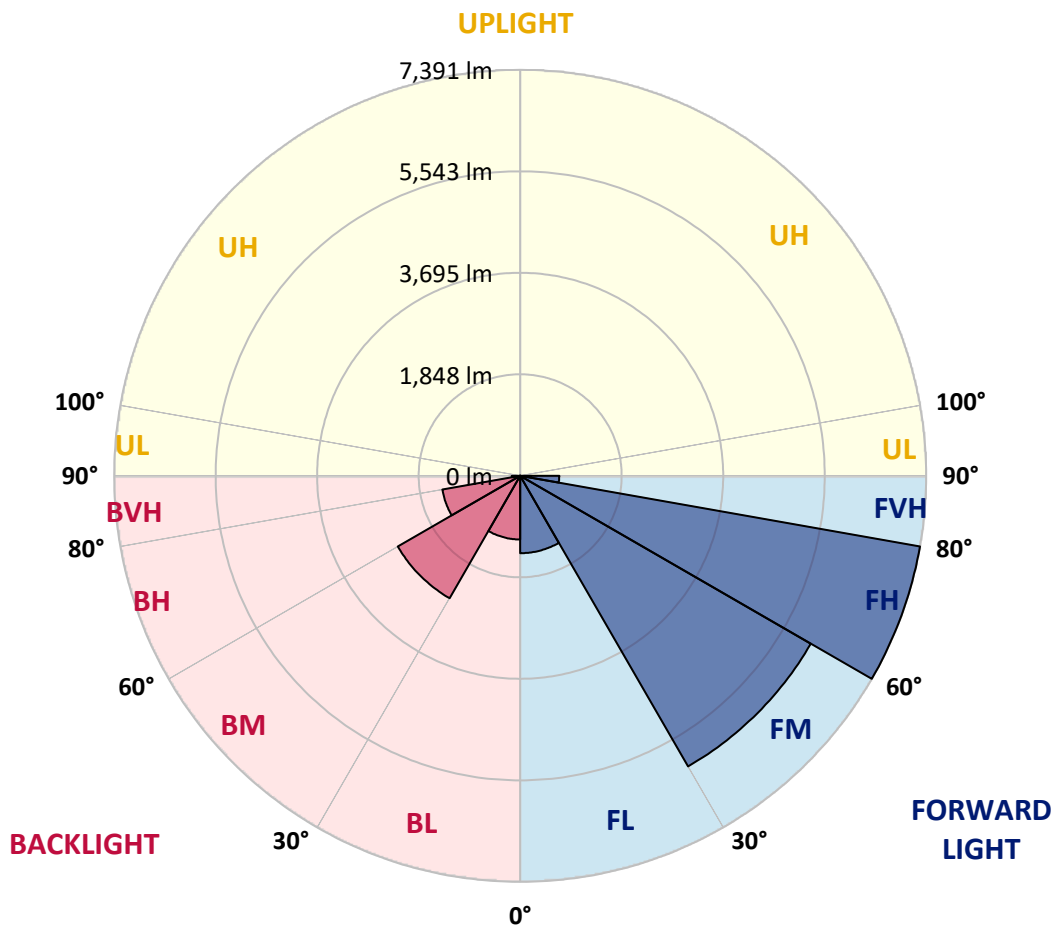
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1408.6	6.7			
FM (30°-60°)	6108.3	29.2			
FH (60°-80°)	7390.5	35.3			G3/7500
FVH (80°-90°)	712.2	3.4			G4/750
BL (0°-30°)	1159.0	5.5	B3/2500		
BM (30°-60°)	2572.1	12.3	B3/5000		
BH (60°-80°)	1438.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	152.3	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°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2.5°	3096.8	3108.6	3120.4	3137.1	3153.8	3163.7	3173.6	3178.6	3183.6	3181.4
5°	3330.0	3371.0	3412.1	3452.8	3493.5	3515.6	3537.8	3551.1	3564.6	3574.8
7.5°	3564.3	3631.0	3697.6	3757.7	3817.7	3853.8	3889.9	3909.5	3928.9	3938.3
10°	3743.8	3822.7	3901.6	3972.0	4042.4	4085.1	4127.5	4146.5	4165.4	4172.6
12.5°	3853.8	3939.3	4024.7	4088.4	4151.8	4182.8	4213.7	4224.1	4234.5	4235.6
15°	3920.6	3994.5	4068.2	4108.1	4148.1	4149.2	4150.3	4139.2	4128.2	4115.1
17.5°	3958.2	4008.1	4057.9	4058.7	4059.3	4014.6	3969.8	3928.8	3887.7	3858.8
20°	3999.7	4017.0	4034.5	3982.0	3929.5	3830.7	3731.9	3660.0	3588.0	3543.8
22.5°	4047.7	4025.0	4002.2	3893.5	3784.7	3639.4	3494.1	3404.2	3314.2	3265.4
25°	4109.6	4037.8	3965.9	3800.9	3635.8	3459.3	3282.8	3188.2	3093.9	3047.7
27.5°	4193.6	4065.2	3936.7	3718.0	3499.4	3303.8	3108.2	3015.2	2922.2	2878.6
30°	4306.9	4115.3	3924.0	3654.8	3385.6	3181.8	2978.1	2891.8	2805.4	2764.8
32.5°	4440.6	4178.3	3916.2	3611.7	3307.1	3115.6	2924.1	2856.4	2788.5	2759.3
35°	4603.0	4282.1	3961.3	3643.9	3326.7	3193.6	3060.7	3044.9	3029.1	3026.7
37.5°	4876.5	4499.0	4121.5	3833.1	3544.7	3536.1	3527.5	3599.7	3672.0	3709.6
40°	5289.8	4879.3	4468.7	4254.3	4039.8	4191.2	4342.5	4518.2	4693.9	4781.5
42.5°	5837.9	5430.6	5023.2	4899.7	4776.2	5106.3	5436.5	5756.1	6075.7	6263.3
45°	6514.7	6148.8	5782.8	5728.4	5673.8	6202.7	6731.8	7256.9	7782.2	8101.0
47.5°	7361.2	7005.2	6649.2	6638.1	6627.1	7390.2	8153.1	8921.9	9690.6	10142.0
50°	8470.6	8030.9	7591.3	7593.2	7595.1	8578.6	9562.0	10576.8	11591.5	12205.0
52.5°	9744.1	9211.7	8679.4	8625.6	8571.7	9746.5	10921.2	12176.8	13432.2	14167.6
55°	11100.0	10574.0	10048.0	9838.2	9628.3	10935.8	12243.2	13739.9	15236.7	16111.3
57.5°	12333.2	12046.8	11760.3	11339.4	10918.6	12238.7	13558.9	15254.3	16949.5	18034.1
60°	13078.6	13523.5	13968.4	13445.8	12923.1	14172.4	15421.8	17236.9	19052.0	20224.2
62.5°	12700.1	13915.7	15131.4	15072.5	15013.5	16158.0	17302.5	19029.5	20756.3	21839.8
65°	11942.6	13083.5	14224.5	14450.2	14675.9	16130.3	17584.9	19259.4	20933.9	21856.4
67.5°	10927.6	12012.8	13097.9	13203.8	13309.5	14825.0	16340.3	18022.0	19703.8	20426.5
70°	9708.2	10888.5	12068.9	12116.2	12163.6	13518.8	14873.9	16321.2	17768.3	18170.0
72.5°	8255.1	9609.6	10964.1	10998.1	11032.1	12092.3	13152.6	14236.5	15320.3	15361.0
75°	6416.9	7818.7	9220.6	9346.4	9472.3	10297.2	11122.1	11885.1	12648.2	12443.7
77.5°	4584.8	5893.3	7202.0	7382.1	7562.3	8189.4	8816.5	9357.6	9898.8	9547.4
80°	3000.7	4101.6	5202.5	5426.4	5650.2	6123.8	6597.2	6881.5	7165.6	6600.3
82.5°	1744.3	2496.9	3249.7	3499.7	3749.9	4075.9	4401.9	4520.5	4638.9	4194.7
85°	767.4	1166.9	1566.4	1779.1	1991.8	2259.7	2527.4	2594.7	2662.0	2306.2
87.5°	237.6	371.8	506.1	624.8	743.5	877.4	1011.3	1017.1	1022.7	858.6
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°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
3183.6	2.5°	3178.6	3173.6	3163.7	3153.8	3137.1	3120.4	3108.6	3096.8	3073.1	3049.3
3564.6	5°	3551.1	3537.8	3515.6	3493.5	3452.8	3412.1	3371.0	3330.0	3277.5	3225.0
3928.9	7.5°	3909.5	3889.9	3853.8	3817.7	3757.7	3697.6	3631.0	3564.3	3477.6	3391.1
4165.4	10°	4146.5	4127.5	4085.1	4042.4	3972.0	3901.6	3822.7	3743.8	3634.3	3524.8
4234.5	12.5°	4224.1	4213.7	4182.8	4151.8	4088.4	4024.7	3939.3	3853.8	3733.5	3613.2
4128.2	15°	4139.2	4150.3	4149.2	4148.1	4108.1	4068.2	3994.5	3920.6	3795.2	3669.8
3887.7	17.5°	3928.8	3969.8	4014.6	4059.3	4058.7	4057.9	4008.1	3958.2	3831.0	3703.8
3588.0	20°	3660.0	3731.9	3830.7	3929.5	3982.0	4034.5	4017.0	3999.7	3867.5	3735.2
3314.2	22.5°	3404.2	3494.1	3639.4	3784.7	3893.5	4002.2	4025.0	4047.7	3912.7	3777.5
3093.9	25°	3188.2	3282.8	3459.3	3635.8	3800.9	3965.9	4037.8	4109.6	3977.2	3844.9
2922.2	27.5°	3015.2	3108.2	3303.8	3499.4	3718.0	3936.7	4065.2	4193.6	4067.4	3941.1
2805.4	30°	2891.8	2978.1	3181.8	3385.6	3654.8	3924.0	4115.3	4306.9	4184.9	4063.0
2788.5	32.5°	2856.4	2924.1	3115.6	3307.1	3611.7	3916.2	4178.3	4440.6	4319.8	4199.1
3029.1	35°	3044.9	3060.7	3193.6	3326.7	3643.9	3961.3	4282.1	4603.0	4487.4	4371.7
3672.0	37.5°	3599.7	3527.5	3536.1	3544.7	3833.1	4121.5	4499.0	4876.5	4729.1	4581.7
4693.9	40°	4518.2	4342.5	4191.2	4039.8	4254.3	4468.7	4879.3	5289.8	5075.0	4860.1
6075.7	42.5°	5756.1	5436.5	5106.3	4776.2	4899.7	5023.2	5430.6	5837.9	5527.8	5217.7
7782.2	45°	7256.9	6731.8	6202.7	5673.8	5728.4	5782.8	6148.8	6514.7	6096.4	5678.2
9690.6	47.5°	8921.9	8153.1	7390.2	6627.1	6638.1	6649.2	7005.2	7361.2	6772.5	6183.7
11591.5	50°	10576.8	9562.0	8578.6	7595.1	7593.2	7591.3	8030.9	8470.6	7583.2	6695.6
13432.2	52.5°	12176.8	10921.2	9746.5	8571.7	8625.6	8679.4	9211.7	9744.1	8434.7	7125.2
15236.7	55°	13739.9	12243.2	10935.8	9628.3	9838.2	10048.0	10574.0	11100.0	9189.6	7279.4
16949.5	57.5°	15254.3	13558.9	12238.7	10918.6	11339.4	11760.3	12046.8	12333.2	9724.7	7116.2
19052.0	60°	17236.9	15421.8	14172.4	12923.1	13445.8	13968.4	13523.5	13078.6	9858.4	6638.1
20756.3	62.5°	19029.5	17302.5	16158.0	15013.5	15072.5	15131.4	13915.7	12700.1	9295.4	5890.7
20933.9	65°	19259.4	17584.9	16130.3	14675.9	14450.2	14224.5	13083.5	11942.6	8498.8	5055.0
19703.8	67.5°	18022.0	16340.3	14825.0	13309.5	13203.8	13097.9	12012.8	10927.6	7550.8	4173.9
17768.3	70°	16321.2	14873.9	13518.8	12163.6	12116.2	12068.9	10888.5	9708.2	6516.4	3324.5
15320.3	72.5°	14236.5	13152.6	12092.3	11032.1	10998.1	10964.1	9609.6	8255.1	5395.0	2534.9
12648.2	75°	11885.1	11122.1	10297.2	9472.3	9346.4	9220.6	7818.7	6416.9	4109.5	1802.1
9898.8	77.5°	9357.6	8816.5	8189.4	7562.3	7382.1	7202.0	5893.3	4584.8	2876.3	1167.8
7165.6	80°	6881.5	6597.2	6123.8	5650.2	5426.4	5202.5	4101.6	3000.7	1853.1	705.6
4638.9	82.5°	4520.5	4401.9	4075.9	3749.9	3499.7	3249.7	2496.9	1744.3	1072.5	400.9
2662.0	85°	2594.7	2527.4	2259.7	1991.8	1779.1	1566.4	1166.9	767.4	482.5	197.6
1022.7	87.5°	1017.1	1011.3	877.4	743.5	624.8	506.1	371.8	237.6	158.0	78.5
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°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
3024.0	2.5°	2998.8	2973.4	2948.0	2923.7	2899.4	2875.8	2849.6	2828.4	2807.3	2788.2
3172.6	5°	3120.4	3067.7	3015.1	2965.9	2916.7	2870.3	2824.5	2784.5	2744.3	2710.7
3311.1	7.5°	3231.1	3153.2	3075.3	3006.7	2938.1	2874.7	2815.4	2762.1	2709.0	2664.8
3419.1	10°	3313.4	3218.8	3124.1	3043.0	2961.7	2883.6	2819.8	2763.7	2707.5	2663.3
3493.4	12.5°	3373.7	3262.0	3150.4	3058.6	2966.8	2884.7	2825.3	2779.4	2733.6	2704.2
3539.8	15°	3409.9	3281.4	3152.9	3046.6	2940.3	2849.3	2801.8	2779.8	2757.9	2761.9
3562.1	17.5°	3420.3	3271.1	3121.9	2994.1	2866.2	2759.3	2730.0	2738.0	2746.0	2794.2
3579.4	20°	3423.6	3242.8	3062.0	2903.6	2745.1	2620.6	2612.8	2650.4	2688.0	2771.6
3602.8	22.5°	3428.0	3208.1	2988.2	2797.4	2606.5	2464.8	2479.9	2535.5	2591.1	2686.5
3645.3	25°	3445.5	3173.9	2902.4	2678.8	2455.4	2310.1	2350.9	2415.0	2479.1	2565.0
3711.6	27.5°	3481.9	3151.0	2820.0	2570.4	2320.8	2188.5	2238.2	2300.1	2362.0	2432.6
3797.4	30°	3531.9	3140.3	2748.4	2479.8	2211.2	2100.1	2139.1	2188.2	2237.5	2296.0
3887.0	32.5°	3575.0	3127.0	2678.8	2401.7	2124.4	2034.9	2052.3	2081.3	2110.4	2157.1
3989.2	35°	3606.6	3102.0	2597.7	2324.9	2052.0	1977.4	1970.3	1978.2	1986.3	2022.0
4103.5	37.5°	3625.4	3059.3	2493.2	2234.5	1975.8	1910.6	1884.3	1875.5	1866.6	1892.3
4248.7	40°	3637.2	3000.4	2363.7	2126.6	1889.6	1830.5	1790.1	1770.1	1750.1	1768.6
4438.7	42.5°	3659.6	2939.6	2219.8	2007.6	1795.5	1741.0	1690.1	1663.6	1637.1	1652.1
4688.6	45°	3699.1	2883.1	2067.3	1881.2	1695.1	1639.9	1590.7	1564.8	1539.1	1551.7
4954.9	47.5°	3726.2	2836.5	1946.8	1781.2	1615.6	1544.3	1502.0	1480.3	1458.6	1470.6
5202.0	50°	3708.5	2785.7	1862.9	1714.8	1566.7	1473.0	1423.8	1404.6	1385.5	1404.0
5362.5	52.5°	3599.6	2699.8	1800.1	1671.0	1542.1	1434.3	1365.6	1346.6	1327.7	1355.6
5327.1	55°	3374.8	2557.5	1740.2	1639.3	1538.4	1438.2	1334.7	1304.6	1274.7	1314.3
5078.3	57.5°	3040.5	2356.8	1673.0	1601.7	1530.5	1442.1	1316.1	1272.3	1228.6	1271.2
4615.2	60°	2592.2	2096.2	1600.3	1544.3	1488.3	1429.9	1298.6	1241.9	1185.1	1222.6
3988.9	62.5°	2087.2	1784.4	1481.6	1444.4	1407.3	1400.1	1278.3	1207.4	1136.5	1160.3
3350.0	65°	1645.2	1503.8	1362.5	1344.9	1327.4	1328.2	1235.4	1160.1	1084.6	1093.8
2724.1	67.5°	1274.3	1234.2	1194.0	1203.8	1213.5	1211.1	1159.0	1096.2	1033.4	1030.5
2144.9	70°	965.2	976.7	988.1	1033.6	1079.1	1079.1	1061.9	1017.3	972.6	962.7
1639.8	72.5°	744.6	779.2	813.9	878.4	942.8	953.6	953.9	923.3	892.6	878.1
1190.1	75°	578.2	609.5	640.9	713.2	785.5	835.4	831.2	807.7	784.0	770.1
806.5	77.5°	445.1	466.4	487.9	558.0	628.2	710.5	708.3	689.4	670.5	656.4
519.6	80°	333.7	342.6	351.4	410.8	470.2	568.5	568.2	552.4	536.5	524.7
319.6	82.5°	238.5	240.0	241.8	285.5	329.3	413.3	417.9	410.2	402.5	394.1
170.8	85°	144.2	143.4	142.5	174.6	206.6	269.1	275.2	266.9	258.6	249.2
70.8	87.5°	63.2	62.4	61.7	74.7	87.8	113.8	121.6	118.2	114.9	113.2
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2769.2	2.5°	2752.5	2735.8	2719.0	2702.3	2689.4	2676.4	2665.9	2655.4	2647.2	2639.0
2677.3	5°	2647.6	2618.0	2591.2	2564.2	2543.6	2522.8	2508.3	2493.8	2483.6	2473.3
2620.6	7.5°	2583.3	2546.0	2513.1	2480.2	2455.6	2431.1	2413.8	2396.6	2384.8	2373.0
2619.1	10°	2579.0	2538.8	2501.8	2464.8	2435.4	2405.9	2386.6	2367.2	2356.0	2344.9
2675.1	12.5°	2643.5	2612.1	2573.7	2535.5	2497.9	2460.3	2435.5	2410.6	2398.1	2385.8
2765.9	15°	2757.7	2749.5	2716.3	2683.0	2629.5	2576.0	2538.3	2500.5	2483.1	2465.9
2842.4	17.5°	2868.0	2893.5	2866.7	2839.9	2769.1	2698.3	2642.6	2586.9	2561.2	2535.5
2855.4	20°	2909.0	2962.6	2950.2	2937.7	2856.7	2775.8	2707.5	2639.4	2606.5	2573.6
2782.2	22.5°	2852.0	2921.7	2929.2	2936.6	2859.3	2781.9	2711.6	2641.2	2606.7	2572.0
2651.0	25°	2719.6	2788.2	2813.8	2839.4	2775.9	2712.6	2650.1	2587.8	2557.7	2527.8
2503.1	27.5°	2558.1	2613.2	2641.7	2670.3	2625.1	2580.0	2531.5	2483.0	2462.9	2442.7
2354.6	30°	2400.2	2446.0	2469.2	2492.4	2458.0	2423.5	2388.9	2353.9	2343.7	2333.3
2204.0	32.5°	2247.7	2291.6	2317.4	2343.2	2311.6	2279.9	2252.2	2224.4	2217.7	2210.9
2057.6	35°	2100.9	2144.3	2175.2	2206.2	2183.6	2161.2	2135.6	2110.1	2099.8	2089.6
1917.8	37.5°	1961.0	2004.3	2042.5	2080.8	2070.4	2060.0	2036.5	2012.8	1994.1	1975.6
1787.1	40°	1828.8	1870.6	1914.6	1958.7	1961.2	1963.6	1943.6	1923.6	1896.5	1869.5
1667.3	42.5°	1706.8	1746.5	1794.0	1841.5	1854.2	1866.9	1850.0	1833.2	1799.5	1765.8
1564.5	45°	1602.1	1639.6	1688.9	1738.2	1756.4	1774.7	1759.4	1744.3	1705.7	1667.3
1482.4	47.5°	1519.2	1555.9	1604.5	1653.1	1674.1	1695.1	1684.5	1673.9	1639.6	1605.4
1422.7	50°	1457.4	1492.0	1535.5	1579.1	1606.0	1633.0	1632.3	1631.9	1604.5	1577.1
1383.5	52.5°	1415.3	1447.0	1487.6	1528.3	1560.2	1592.1	1597.9	1603.6	1581.3	1559.0
1353.9	55°	1388.1	1422.4	1458.0	1493.4	1527.3	1561.2	1569.1	1577.1	1557.6	1538.2
1313.9	57.5°	1354.1	1394.3	1429.5	1464.7	1498.9	1532.9	1541.0	1549.0	1529.4	1509.7
1260.0	60°	1306.1	1352.3	1388.0	1423.8	1458.1	1492.3	1501.2	1510.0	1490.8	1471.7
1184.0	62.5°	1237.9	1291.8	1329.9	1368.0	1399.4	1430.8	1439.3	1447.8	1430.5	1413.1
1102.8	65°	1160.5	1218.3	1254.8	1291.2	1318.9	1346.5	1355.2	1363.8	1347.1	1330.5
1027.7	67.5°	1080.9	1134.3	1168.9	1203.4	1227.2	1251.1	1259.6	1268.0	1252.7	1237.4
952.8	70°	999.6	1046.5	1076.3	1106.1	1127.7	1149.2	1157.4	1165.6	1153.1	1140.6
863.6	72.5°	900.5	937.3	964.2	991.2	1012.3	1033.4	1043.1	1052.9	1042.5	1032.1
756.1	75°	783.5	810.9	835.3	859.7	878.9	898.2	908.3	918.5	913.4	908.3
642.2	77.5°	664.6	686.8	707.8	728.8	749.0	769.1	778.6	788.1	781.0	773.7
512.7	80°	531.3	549.8	567.4	585.1	600.5	615.7	628.3	640.9	637.8	634.8
385.7	82.5°	384.1	382.6	376.4	370.2	402.9	435.6	457.0	478.5	477.2	475.7
239.8	85°	231.8	223.8	206.6	189.5	220.1	250.8	277.4	303.9	301.7	299.5
111.4	87.5°	111.1	110.7	97.7	84.5	97.4	110.3	121.0	131.7	129.1	126.2
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2631.5	2.5°	2623.9	2614.5	2623.9	2631.5	2639.0	2647.2	2655.4	2665.9	2676.4	2689.4
2465.4	5°	2457.6	2449.8	2457.6	2465.4	2473.3	2483.6	2493.8	2508.3	2522.8	2543.6
2366.0	7.5°	2359.0	2353.7	2359.0	2366.0	2373.0	2384.8	2396.6	2413.8	2431.1	2455.6
2338.9	10°	2332.9	2330.5	2332.9	2338.9	2344.9	2356.0	2367.2	2386.6	2405.9	2435.4
2380.7	12.5°	2375.6	2374.7	2375.6	2380.7	2385.8	2398.1	2410.6	2435.5	2460.3	2497.9
2459.2	15°	2452.6	2452.1	2452.6	2459.2	2465.9	2483.1	2500.5	2538.3	2576.0	2629.5
2527.1	17.5°	2518.6	2517.3	2518.6	2527.1	2535.5	2561.2	2586.9	2642.6	2698.3	2769.1
2563.1	20°	2552.6	2549.3	2552.6	2563.1	2573.6	2606.5	2639.4	2707.5	2775.8	2856.7
2560.4	22.5°	2548.7	2543.8	2548.7	2560.4	2572.0	2606.7	2641.2	2711.6	2781.9	2859.3
2516.8	25°	2506.0	2499.6	2506.0	2516.8	2527.8	2557.7	2587.8	2650.1	2712.6	2775.9
2437.7	27.5°	2432.7	2431.1	2432.7	2437.7	2442.7	2462.9	2483.0	2531.5	2580.0	2625.1
2333.3	30°	2333.3	2334.9	2333.3	2333.3	2333.3	2343.7	2353.9	2388.9	2423.5	2458.0
2211.8	32.5°	2212.8	2214.5	2212.8	2211.8	2210.9	2217.7	2224.4	2252.2	2279.9	2311.6
2087.4	35°	2085.2	2084.1	2085.2	2087.4	2089.6	2099.8	2110.1	2135.6	2161.2	2183.6
1965.7	37.5°	1955.9	1950.4	1955.9	1965.7	1975.6	1994.1	2012.8	2036.5	2060.0	2070.4
1851.1	40°	1833.0	1822.2	1833.0	1851.1	1869.5	1896.5	1923.6	1943.6	1963.6	1961.2
1739.2	42.5°	1712.6	1695.1	1712.6	1739.2	1765.8	1799.5	1833.2	1850.0	1866.9	1854.2
1636.0	45°	1604.7	1584.6	1604.7	1636.0	1667.3	1705.7	1744.3	1759.4	1774.7	1756.4
1576.4	47.5°	1547.6	1528.3	1547.6	1576.4	1605.4	1639.6	1673.9	1684.5	1695.1	1674.1
1550.4	50°	1523.6	1505.0	1523.6	1550.4	1577.1	1604.5	1631.9	1632.3	1633.0	1606.0
1535.0	52.5°	1511.1	1494.0	1511.1	1535.0	1559.0	1581.3	1603.6	1597.9	1592.1	1560.2
1517.2	55°	1496.2	1480.7	1496.2	1517.2	1538.2	1557.6	1577.1	1569.1	1561.2	1527.3
1488.9	57.5°	1468.0	1452.0	1468.0	1488.9	1509.7	1529.4	1549.0	1541.0	1532.9	1498.9
1450.2	60°	1428.8	1412.2	1428.8	1450.2	1471.7	1490.8	1510.0	1501.2	1492.3	1458.1
1390.6	62.5°	1368.0	1348.1	1368.0	1390.6	1413.1	1430.5	1447.8	1439.3	1430.8	1399.4
1308.6	65°	1286.8	1269.7	1286.8	1308.6	1330.5	1347.1	1363.8	1355.2	1346.5	1318.9
1217.1	67.5°	1196.7	1181.3	1196.7	1217.1	1237.4	1252.7	1268.0	1259.6	1251.1	1227.2
1121.2	70°	1101.7	1084.0	1101.7	1121.2	1140.6	1153.1	1165.6	1157.4	1149.2	1127.7
1013.5	72.5°	995.1	978.0	995.1	1013.5	1032.1	1042.5	1052.9	1043.1	1033.4	1012.3
892.8	75°	877.2	860.8	877.2	892.8	908.3	913.4	918.5	908.3	898.2	878.9
758.0	77.5°	742.4	729.3	742.4	758.0	773.7	781.0	788.1	778.6	769.1	749.0
613.7	80°	592.5	568.0	592.5	613.7	634.8	637.8	640.9	628.3	615.7	600.5
457.9	82.5°	440.0	424.3	440.0	457.9	475.7	477.2	478.5	457.0	435.6	402.9
285.5	85°	271.6	257.5	271.6	285.5	299.5	301.7	303.9	277.4	250.8	220.1
119.1	87.5°	111.8	105.0	111.8	119.1	126.2	129.1	131.7	121.0	110.3	97.4
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°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2702.3	2.5°	2719.0	2735.8	2752.5	2769.2	2788.2	2807.3	2828.4	2849.6	2875.8	2899.4
2564.2	5°	2591.2	2618.0	2647.6	2677.3	2710.7	2744.3	2784.5	2824.5	2870.3	2916.7
2480.2	7.5°	2513.1	2546.0	2583.3	2620.6	2664.8	2709.0	2762.1	2815.4	2874.7	2938.1
2464.8	10°	2501.8	2538.8	2579.0	2619.1	2663.3	2707.5	2763.7	2819.8	2883.6	2961.7
2535.5	12.5°	2573.7	2612.1	2643.5	2675.1	2704.2	2733.6	2779.4	2825.3	2884.7	2966.8
2683.0	15°	2716.3	2749.5	2757.7	2765.9	2761.9	2757.9	2779.8	2801.8	2849.3	2940.3
2839.9	17.5°	2866.7	2893.5	2868.0	2842.4	2794.2	2746.0	2738.0	2730.0	2759.3	2866.2
2937.7	20°	2950.2	2962.6	2909.0	2855.4	2771.6	2688.0	2650.4	2612.8	2620.6	2745.1
2936.6	22.5°	2929.2	2921.7	2852.0	2782.2	2686.5	2591.1	2535.5	2479.9	2464.8	2606.5
2839.4	25°	2813.8	2788.2	2719.6	2651.0	2565.0	2479.1	2415.0	2350.9	2310.1	2455.4
2670.3	27.5°	2641.7	2613.2	2558.1	2503.1	2432.6	2362.0	2300.1	2238.2	2188.5	2320.8
2492.4	30°	2469.2	2446.0	2400.2	2354.6	2296.0	2237.5	2188.2	2139.1	2100.1	2211.2
2343.2	32.5°	2317.4	2291.6	2247.7	2204.0	2157.1	2110.4	2081.3	2052.3	2034.9	2124.4
2206.2	35°	2175.2	2144.3	2100.9	2057.6	2022.0	1986.3	1978.2	1970.3	1977.4	2052.0
2080.8	37.5°	2042.5	2004.3	1961.0	1917.8	1892.3	1866.6	1875.5	1884.3	1910.6	1975.8
1958.7	40°	1914.6	1870.6	1828.8	1787.1	1768.6	1750.1	1770.1	1790.1	1830.5	1889.6
1841.5	42.5°	1794.0	1746.5	1706.8	1667.3	1652.1	1637.1	1663.6	1690.1	1741.0	1795.5
1738.2	45°	1688.9	1639.6	1602.1	1564.5	1551.7	1539.1	1564.8	1590.7	1639.9	1695.1
1653.1	47.5°	1604.5	1555.9	1519.2	1482.4	1470.6	1458.6	1480.3	1502.0	1544.3	1615.6
1579.1	50°	1535.5	1492.0	1457.4	1422.7	1404.0	1385.5	1404.6	1423.8	1473.0	1566.7
1528.3	52.5°	1487.6	1447.0	1415.3	1383.5	1355.6	1327.7	1346.6	1365.6	1434.3	1542.1
1493.4	55°	1458.0	1422.4	1388.1	1353.9	1314.3	1274.7	1304.6	1334.7	1438.2	1538.4
1464.7	57.5°	1429.5	1394.3	1354.1	1313.9	1271.2	1228.6	1272.3	1316.1	1442.1	1530.5
1423.8	60°	1388.0	1352.3	1306.1	1260.0	1222.6	1185.1	1241.9	1298.6	1429.9	1488.3
1368.0	62.5°	1329.9	1291.8	1237.9	1184.0	1160.3	1136.5	1207.4	1278.3	1400.1	1407.3
1291.2	65°	1254.8	1218.3	1160.5	1102.8	1093.8	1084.6	1160.1	1235.4	1328.2	1327.4
1203.4	67.5°	1168.9	1134.3	1080.9	1027.7	1030.5	1033.4	1096.2	1159.0	1211.1	1213.5
1106.1	70°	1076.3	1046.5	999.6	952.8	962.7	972.6	1017.3	1061.9	1079.1	1079.1
991.2	72.5°	964.2	937.3	900.5	863.6	878.1	892.6	923.3	953.9	953.6	942.8
859.7	75°	835.3	810.9	783.5	756.1	770.1	784.0	807.7	831.2	835.4	785.5
728.8	77.5°	707.8	686.8	664.6	642.2	656.4	670.5	689.4	708.3	710.5	628.2
585.1	80°	567.4	549.8	531.3	512.7	524.7	536.5	552.4	568.2	568.5	470.2
370.2	82.5°	376.4	382.6	384.1	385.7	394.1	402.5	410.2	417.9	413.3	329.3
189.5	85°	206.6	223.8	231.8	239.8	249.2	258.6	266.9	275.2	269.1	206.6
84.5	87.5°	97.7	110.7	111.1	111.4	113.2	114.9	118.2	121.6	113.8	87.8
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):**

325°		330°	335°	340°	345°	350°	355°	360°
2879.7	0°	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7	2879.7
2923.7	2.5°	2948.0	2973.4	2998.8	3024.0	3049.3	3073.1	3096.8
2965.9	5°	3015.1	3067.7	3120.4	3172.6	3225.0	3277.5	3330.0
3006.7	7.5°	3075.3	3153.2	3231.1	3311.1	3391.1	3477.6	3564.3
3043.0	10°	3124.1	3218.8	3313.4	3419.1	3524.8	3634.3	3743.8
3058.6	12.5°	3150.4	3262.0	3373.7	3493.4	3613.2	3733.5	3853.8
3046.6	15°	3152.9	3281.4	3409.9	3539.8	3669.8	3795.2	3920.6
2994.1	17.5°	3121.9	3271.1	3420.3	3562.1	3703.8	3831.0	3958.2
2903.6	20°	3062.0	3242.8	3423.6	3579.4	3735.2	3867.5	3999.7
2797.4	22.5°	2988.2	3208.1	3428.0	3602.8	3777.5	3912.7	4047.7
2678.8	25°	2902.4	3173.9	3445.5	3645.3	3844.9	3977.2	4109.6
2570.4	27.5°	2820.0	3151.0	3481.9	3711.6	3941.1	4067.4	4193.6
2479.8	30°	2748.4	3140.3	3531.9	3797.4	4063.0	4184.9	4306.9
2401.7	32.5°	2678.8	3127.0	3575.0	3887.0	4199.1	4319.8	4440.6
2324.9	35°	2597.7	3102.0	3606.6	3989.2	4371.7	4487.4	4603.0
2234.5	37.5°	2493.2	3059.3	3625.4	4103.5	4581.7	4729.1	4876.5
2126.6	40°	2363.7	3000.4	3637.2	4248.7	4860.1	5075.0	5289.8
2007.6	42.5°	2219.8	2939.6	3659.6	4438.7	5217.7	5527.8	5837.9
1881.2	45°	2067.3	2883.1	3699.1	4688.6	5678.2	6096.4	6514.7
1781.2	47.5°	1946.8	2836.5	3726.2	4954.9	6183.7	6772.5	7361.2
1714.8	50°	1862.9	2785.7	3708.5	5202.0	6695.6	7583.2	8470.6
1671.0	52.5°	1800.1	2699.8	3599.6	5362.5	7125.2	8434.7	9744.1
1639.3	55°	1740.2	2557.5	3374.8	5327.1	7279.4	9189.6	11100.0
1601.7	57.5°	1673.0	2356.8	3040.5	5078.3	7116.2	9724.7	12333.2
1544.3	60°	1600.3	2096.2	2592.2	4615.2	6638.1	9858.4	13078.6
1444.4	62.5°	1481.6	1784.4	2087.2	3988.9	5890.7	9295.4	12700.1
1344.9	65°	1362.5	1503.8	1645.2	3350.0	5055.0	8498.8	11942.6
1203.8	67.5°	1194.0	1234.2	1274.3	2724.1	4173.9	7550.8	10927.6
1033.6	70°	988.1	976.7	965.2	2144.9	3324.5	6516.4	9708.2
878.4	72.5°	813.9	779.2	744.6	1639.8	2534.9	5395.0	8255.1
713.2	75°	640.9	609.5	578.2	1190.1	1802.1	4109.5	6416.9
558.0	77.5°	487.9	466.4	445.1	806.5	1167.8	2876.3	4584.8
410.8	80°	351.4	342.6	333.7	519.6	705.6	1853.1	3000.7
285.5	82.5°	241.8	240.0	238.5	319.6	400.9	1072.5	1744.3
174.6	85°	142.5	143.4	144.2	170.8	197.6	482.5	767.4
74.7	87.5°	61.7	62.4	63.2	70.8	78.5	158.0	237.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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