

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: P951119

Luminaire Tested: **GALN-SB5B-840-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951119  
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-SB5B-840-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

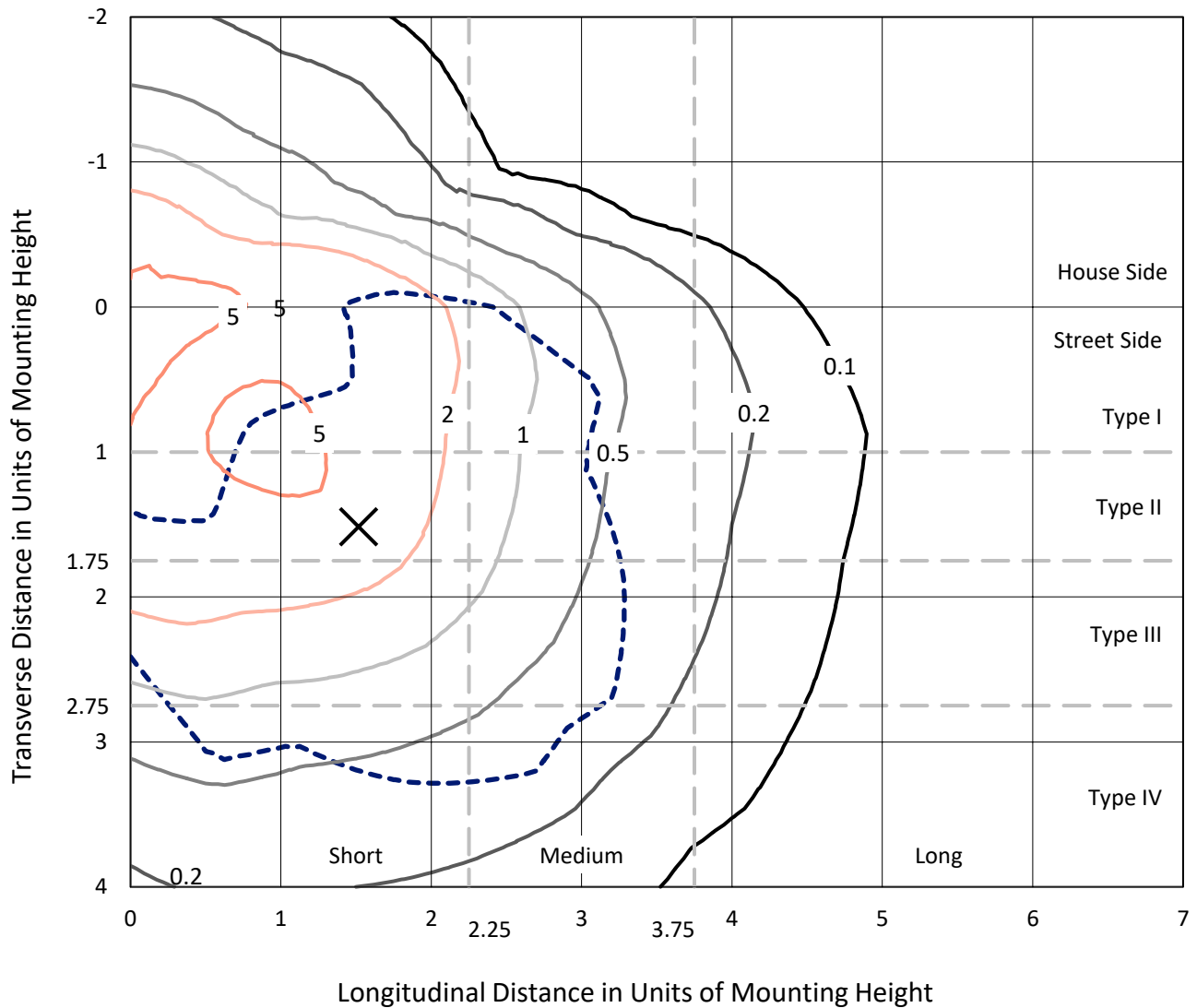
Lumens per Lamp: N/A  
Luminaire Lumens: 27111 lumens  
Efficiency: N/A  
Efficacy: 148.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

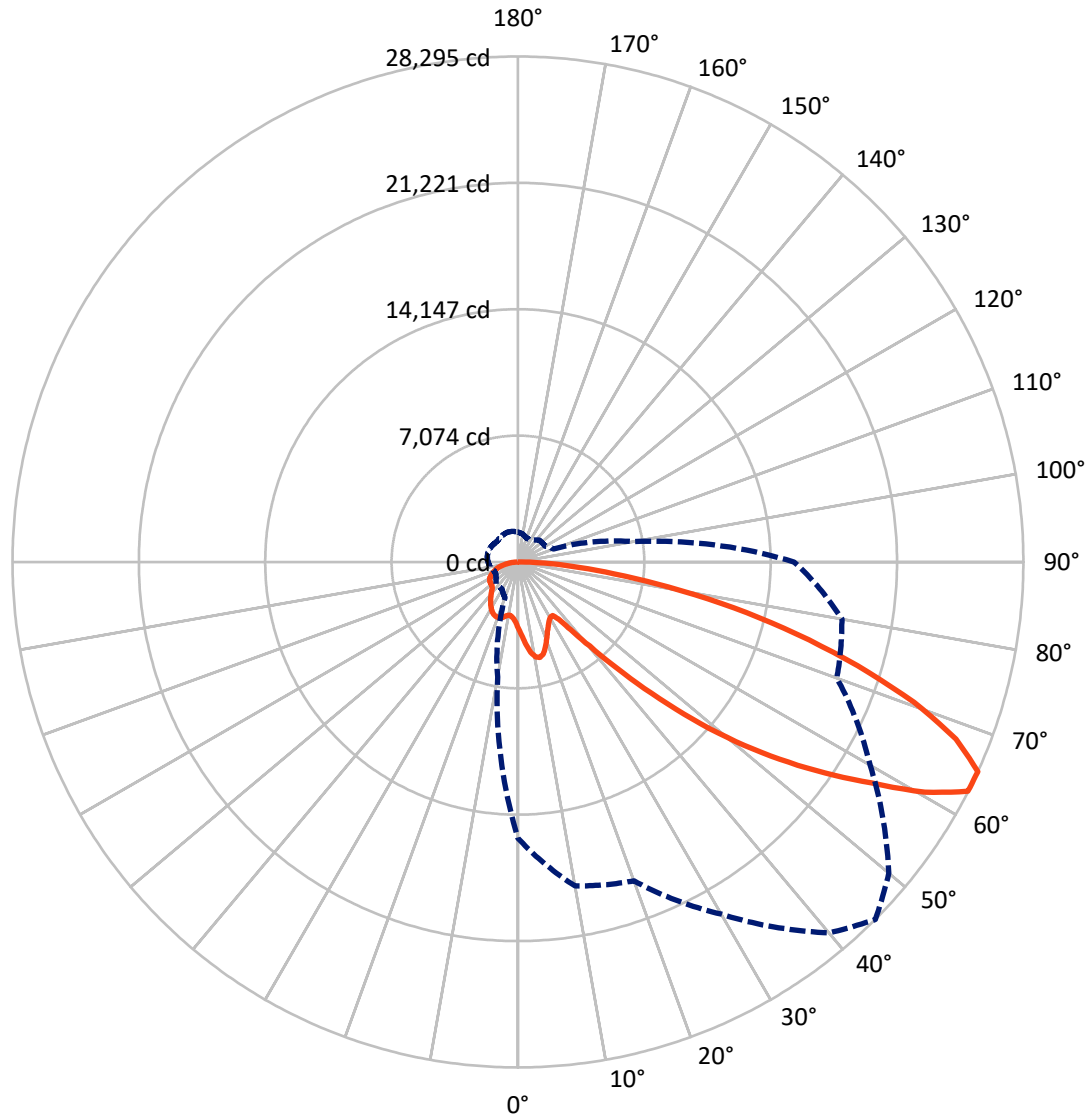
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	6890.3	0.0	6890.3
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	20220.7	0.0	20220.7
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	27111.0	0.0	27111.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.8	1.4
10°-20°	1160.9	4.3
20°-30°	1793.2	6.6
30°-40°	2272.5	8.4
40°-50°	3427.5	12.6
50°-60°	5537.6	20.4
60°-70°	6903.4	25.5
70°-80°	4526.9	16.7
80°-90°	1119.2	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°	27111.0	100.0
0°-180°	27111.0	100.0



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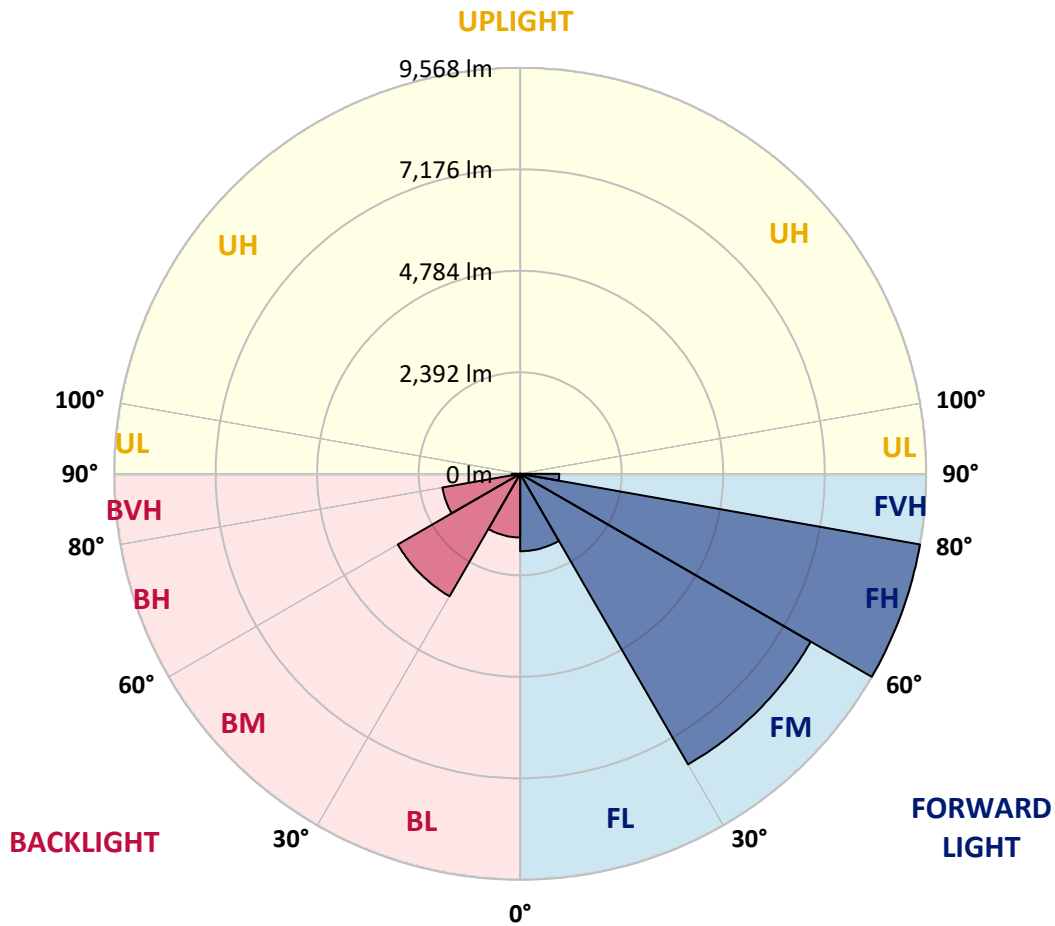
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1823.5	6.7			
FM (30°-60°)	7907.7	29.2			
FH (60°-80°)	9567.6	35.3			G4/12000
FVH (80°-90°)	922.0	3.4			G5
BL (0°-30°)	1500.4	5.5	B3/2500		
BM (30°-60°)	3329.8	12.3	B3/5000		
BH (60°-80°)	1862.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	197.2	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
2.5°	4009.1	4024.3	4039.6	4061.2	4082.8	4095.6	4108.5	4115.0	4121.4	4118.5
5°	4310.9	4364.0	4417.2	4469.9	4522.7	4551.3	4579.9	4597.2	4614.6	4627.8
7.5°	4614.2	4700.6	4786.9	4864.6	4942.2	4989.0	5035.8	5061.1	5086.3	5098.5
10°	4846.7	4948.8	5051.0	5142.1	5233.2	5288.4	5343.4	5368.0	5392.4	5401.7
12.5°	4989.0	5099.7	5210.3	5292.7	5374.8	5414.9	5454.9	5468.4	5481.8	5483.3
15°	5075.6	5171.1	5266.5	5318.2	5370.0	5371.4	5372.8	5358.5	5344.2	5327.3
17.5°	5124.2	5188.7	5253.2	5254.2	5255.1	5197.2	5139.2	5086.2	5032.9	4995.5
20°	5177.9	5200.3	5222.9	5155.0	5087.0	4959.1	4831.2	4738.1	4645.0	4587.8
22.5°	5240.1	5210.6	5181.1	5040.4	4899.6	4711.5	4523.4	4406.9	4290.5	4227.3
25°	5320.2	5227.2	5134.2	4920.5	4706.8	4478.3	4249.9	4127.4	4005.2	3945.4
27.5°	5428.9	5262.7	5096.3	4813.2	4530.2	4277.0	4023.8	3903.4	3783.1	3726.6
30°	5575.5	5327.6	5079.9	4731.4	4382.9	4119.1	3855.3	3743.6	3631.9	3579.2
32.5°	5748.6	5409.2	5069.8	4675.6	4281.3	4033.4	3785.5	3697.8	3610.0	3572.1
35°	5958.9	5543.5	5128.2	4717.4	4306.7	4134.4	3962.3	3941.9	3921.4	3918.3
37.5°	6313.0	5824.3	5335.6	4962.3	4588.9	4577.7	4566.6	4660.1	4753.7	4802.3
40°	6848.0	6316.6	5785.1	5507.4	5229.8	5425.8	5621.7	5849.2	6076.7	6190.0
42.5°	7557.6	7030.3	6503.0	6343.0	6183.1	6610.5	7038.0	7451.7	7865.4	8108.3
45°	8433.8	7960.1	7486.3	7415.8	7345.1	8029.9	8714.9	9394.7	10074.6	10487.3
47.5°	9529.6	9068.8	8607.9	8593.6	8579.3	9567.2	10554.8	11550.1	12545.1	13129.5
50°	10965.8	10396.6	9827.5	9830.0	9832.4	11105.6	12378.8	13692.4	15006.1	15800.4
52.5°	12614.5	11925.3	11236.2	11166.5	11096.7	12617.5	14138.3	15763.7	17389.0	18341.0
55°	14369.8	13688.9	13007.9	12736.3	12464.6	14157.2	15849.7	17787.4	19725.0	20857.3
57.5°	15966.3	15595.5	15224.6	14679.7	14134.9	15844.0	17553.1	19747.8	21942.4	23346.5
60°	16931.2	17507.1	18083.2	17406.6	16729.9	18347.3	19964.7	22314.5	24664.3	26181.8
62.5°	16441.2	18015.0	19588.7	19512.5	19436.1	20917.7	22399.4	24635.1	26870.6	28273.3
65°	15460.6	16937.6	18414.7	18706.9	18999.0	20881.9	22765.0	24932.8	27100.5	28294.7
67.5°	14146.6	15551.4	16956.2	17093.3	17230.2	19192.0	21153.7	23330.9	25508.0	26443.6
70°	12568.0	14096.0	15624.1	15685.3	15746.7	17501.1	19255.4	21129.0	23002.4	23522.4
72.5°	10686.9	12440.3	14193.9	14237.9	14281.8	15654.4	17027.0	18430.3	19833.3	19886.0
75°	8307.2	10122.0	11936.7	12099.7	12262.6	13330.5	14398.4	15386.2	16374.0	16109.3
77.5°	5935.3	7629.4	9323.6	9556.7	9789.9	10601.8	11413.6	12114.1	12814.8	12359.9
80°	3884.6	5309.9	6735.0	7024.8	7314.7	7927.8	8540.6	8908.6	9276.4	8544.6
82.5°	2258.1	3232.5	4206.9	4530.7	4854.5	5276.6	5698.6	5852.1	6005.4	5430.3
85°	993.5	1510.7	2027.8	2303.2	2578.6	2925.3	3271.9	3359.1	3446.2	2985.5
87.5°	307.6	481.4	655.2	808.8	962.5	1135.9	1309.2	1316.7	1324.0	1111.5
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°
3728.0	0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
4121.4	2.5°	4115.0	4108.5	4095.6	4082.8	4061.2	4039.6	4024.3	4009.1	3978.3	3947.6
4614.6	5°	4597.2	4579.9	4551.3	4522.7	4469.9	4417.2	4364.0	4310.9	4243.0	4175.0
5086.3	7.5°	5061.1	5035.8	4989.0	4942.2	4864.6	4786.9	4700.6	4614.2	4502.1	4390.1
5392.4	10°	5368.0	5343.4	5288.4	5233.2	5142.1	5051.0	4948.8	4846.7	4704.9	4563.1
5481.8	12.5°	5468.4	5454.9	5414.9	5374.8	5292.7	5210.3	5099.7	4989.0	4833.2	4677.6
5344.2	15°	5358.5	5372.8	5371.4	5370.0	5318.2	5266.5	5171.1	5075.6	4913.2	4750.8
5032.9	17.5°	5086.2	5139.2	5197.2	5255.1	5254.2	5253.2	5188.7	5124.2	4959.6	4794.9
4645.0	20°	4738.1	4831.2	4959.1	5087.0	5155.0	5222.9	5200.3	5177.9	5006.8	4835.5
4290.5	22.5°	4406.9	4523.4	4711.5	4899.6	5040.4	5181.1	5210.6	5240.1	5065.3	4890.3
4005.2	25°	4127.4	4249.9	4478.3	4706.8	4920.5	5134.2	5227.2	5320.2	5148.8	4977.6
3783.1	27.5°	3903.4	4023.8	4277.0	4530.2	4813.2	5096.3	5262.7	5428.9	5265.5	5102.0
3631.9	30°	3743.6	3855.3	4119.1	4382.9	4731.4	5079.9	5327.6	5575.5	5417.6	5259.8
3610.0	32.5°	3697.8	3785.5	4033.4	4281.3	4675.6	5069.8	5409.2	5748.6	5592.3	5436.1
3921.4	35°	3941.9	3962.3	4134.4	4306.7	4717.4	5128.2	5543.5	5958.9	5809.3	5659.5
4753.7	37.5°	4660.1	4566.6	4577.7	4588.9	4962.3	5335.6	5824.3	6313.0	6122.2	5931.3
6076.7	40°	5849.2	5621.7	5425.8	5229.8	5507.4	5785.1	6316.6	6848.0	6569.9	6291.8
7865.4	42.5°	7451.7	7038.0	6610.5	6183.1	6343.0	6503.0	7030.3	7557.6	7156.2	6754.7
10074.6	45°	9394.7	8714.9	8029.9	7345.1	7415.8	7486.3	7960.1	8433.8	7892.3	7350.8
12545.1	47.5°	11550.1	10554.8	9567.2	8579.3	8593.6	8607.9	9068.8	9529.6	8767.5	8005.3
15006.1	50°	13692.4	12378.8	11105.6	9832.4	9830.0	9827.5	10396.6	10965.8	9817.0	8667.9
17389.0	52.5°	15763.7	14138.3	12617.5	11096.7	11166.5	11236.2	11925.3	12614.5	10919.3	9224.1
19725.0	55°	17787.4	15849.7	14157.2	12464.6	12736.3	13007.9	13688.9	14369.8	11896.7	9423.7
21942.4	57.5°	19747.8	17553.1	15844.0	14134.9	14679.7	15224.6	15595.5	15966.3	12589.4	9212.4
24664.3	60°	22314.5	19964.7	18347.3	16729.9	17406.6	18083.2	17507.1	16931.2	12762.4	8593.6
26870.6	62.5°	24635.1	22399.4	20917.7	19436.1	19512.5	19588.7	18015.0	16441.2	12033.6	7625.9
27100.5	65°	24932.8	22765.0	20881.9	18999.0	18706.9	18414.7	16937.6	15460.6	11002.3	6544.0
25508.0	67.5°	23330.9	21153.7	19192.0	17230.2	17093.3	16956.2	15551.4	14146.6	9775.0	5403.4
23002.4	70°	21129.0	19255.4	17501.1	15746.7	15685.3	15624.1	14096.0	12568.0	8435.9	4303.8
19833.3	72.5°	18430.3	17027.0	15654.4	14281.8	14237.9	14193.9	12440.3	10686.9	6984.2	3281.7
16374.0	75°	15386.2	14398.4	13330.5	12262.6	12099.7	11936.7	10122.0	8307.2	5320.0	2332.9
12814.8	77.5°	12114.1	11413.6	10601.8	9789.9	9556.7	9323.6	7629.4	5935.3	3723.6	1511.8
9276.4	80°	8908.6	8540.6	7927.8	7314.7	7024.8	6735.0	5309.9	3884.6	2399.0	913.4
6005.4	82.5°	5852.1	5698.6	5276.6	4854.5	4530.7	4206.9	3232.5	2258.1	1388.5	519.0
3446.2	85°	3359.1	3271.9	2925.3	2578.6	2303.2	2027.8	1510.7	993.5	624.6	255.8
1324.0	87.5°	1316.7	1309.2	1135.9	962.5	808.8	655.2	481.4	307.6	204.6	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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3728.0	0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
3914.8	2.5°	3882.2	3849.3	3816.4	3784.9	3753.5	3723.0	3689.1	3661.6	3634.3	3609.5
4107.2	5°	4039.6	3971.3	3903.2	3839.6	3775.9	3715.8	3656.5	3604.7	3552.8	3509.3
4286.5	7.5°	4182.9	4082.1	3981.2	3892.4	3803.5	3721.6	3644.7	3575.8	3507.0	3449.8
4426.2	10°	4289.5	4167.0	4044.4	3939.4	3834.1	3733.0	3650.5	3577.8	3505.1	3447.9
4522.5	12.5°	4367.4	4223.0	4078.5	3959.6	3840.7	3734.4	3657.6	3598.1	3538.9	3500.8
4582.6	15°	4414.4	4248.0	4081.6	3944.0	3806.4	3688.7	3627.1	3598.7	3570.4	3575.5
4611.4	17.5°	4427.8	4234.7	4041.6	3876.1	3710.5	3572.1	3534.2	3544.6	3554.9	3617.3
4633.8	20°	4432.1	4198.1	3964.0	3758.9	3553.8	3392.5	3382.5	3431.2	3479.8	3588.1
4664.1	22.5°	4437.8	4153.2	3868.5	3621.4	3374.4	3190.8	3210.4	3282.4	3354.3	3477.9
4719.1	25°	4460.4	4108.8	3757.3	3467.9	3178.7	2990.6	3043.5	3126.5	3209.4	3320.6
4804.9	27.5°	4507.6	4079.2	3650.7	3327.6	3004.4	2833.2	2897.6	2977.7	3057.8	3149.2
4916.1	30°	4572.3	4065.3	3558.0	3210.3	2862.5	2718.7	2769.2	2832.8	2896.6	2972.4
5032.1	32.5°	4628.1	4048.2	3467.9	3109.1	2750.2	2634.3	2656.8	2694.4	2732.1	2792.6
5164.3	35°	4669.0	4015.8	3362.9	3009.7	2656.5	2560.0	2550.7	2561.0	2571.4	2617.6
5312.3	37.5°	4693.3	3960.5	3227.6	2892.7	2557.8	2473.4	2439.4	2427.9	2416.5	2449.7
5500.3	40°	4708.6	3884.2	3059.9	2753.1	2446.2	2369.7	2317.5	2291.6	2265.7	2289.6
5746.2	42.5°	4737.7	3805.5	2873.7	2599.0	2324.3	2253.8	2188.0	2153.7	2119.3	2138.8
6069.8	45°	4788.7	3732.4	2676.3	2435.4	2194.5	2122.9	2059.3	2025.8	1992.5	2008.8
6414.6	47.5°	4823.8	3672.1	2520.3	2305.9	2091.5	1999.2	1944.4	1916.4	1888.3	1903.8
6734.4	50°	4800.9	3606.3	2411.6	2219.9	2028.2	1906.9	1843.3	1818.4	1793.6	1817.6
6942.1	52.5°	4660.0	3495.1	2330.4	2163.3	1996.3	1856.8	1767.9	1743.3	1718.8	1755.0
6896.4	55°	4368.9	3310.8	2252.8	2122.2	1991.6	1861.9	1727.8	1688.9	1650.1	1701.5
6574.2	57.5°	3936.1	3051.1	2165.8	2073.6	1981.3	1866.9	1703.8	1647.1	1590.5	1645.7
5974.7	60°	3355.8	2713.7	2071.7	1999.2	1926.7	1851.1	1681.2	1607.8	1534.3	1582.8
5164.0	62.5°	2702.0	2310.0	1918.1	1869.9	1821.8	1812.5	1654.9	1563.0	1471.3	1502.1
4336.8	65°	2129.8	1946.8	1763.9	1741.1	1718.4	1719.5	1599.3	1501.8	1404.1	1416.0
3526.6	67.5°	1649.7	1597.8	1545.7	1558.4	1571.0	1567.9	1500.4	1419.1	1337.8	1334.1
2776.7	70°	1249.6	1264.5	1279.2	1338.1	1396.9	1396.9	1374.8	1317.0	1259.2	1246.3
2122.8	72.5°	963.9	1008.7	1053.6	1137.1	1220.5	1234.6	1234.8	1195.2	1155.6	1136.7
1540.7	75°	748.5	789.1	829.7	923.3	1016.8	1081.5	1076.1	1045.6	1015.0	996.9
1044.0	77.5°	576.2	603.8	631.6	722.4	813.3	919.8	917.0	892.5	868.1	849.7
672.6	80°	432.0	443.5	454.9	531.9	608.7	736.0	735.6	715.1	694.5	679.2
413.7	82.5°	308.7	310.7	313.0	369.7	426.3	535.0	541.0	531.0	521.0	510.1
221.2	85°	186.7	185.7	184.5	226.0	267.5	348.3	356.2	345.5	334.7	322.6
91.7	87.5°	81.8	80.8	79.8	96.7	113.7	147.3	157.4	153.1	148.8	146.5
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°
3728.0	0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
3584.9	2.5°	3563.3	3541.7	3520.0	3498.4	3481.7	3464.8	3451.2	3437.6	3427.0	3416.4
3465.9	5°	3427.6	3389.2	3354.5	3319.6	3292.8	3265.9	3247.2	3228.5	3215.1	3201.8
3392.5	7.5°	3344.3	3296.0	3253.3	3210.9	3179.0	3147.2	3124.9	3102.6	3087.3	3072.1
3390.7	10°	3338.7	3286.7	3238.8	3190.8	3152.8	3114.6	3089.7	3064.5	3050.1	3035.6
3463.1	12.5°	3422.1	3381.5	3331.9	3282.4	3233.7	3185.1	3152.9	3120.7	3104.6	3088.5
3580.7	15°	3570.1	3559.5	3516.4	3473.4	3404.1	3334.9	3286.0	3237.0	3214.6	3192.3
3679.6	17.5°	3712.8	3745.9	3711.1	3676.5	3584.8	3493.1	3421.0	3348.9	3315.7	3282.4
3696.5	20°	3765.9	3835.3	3819.3	3803.1	3698.2	3593.5	3505.1	3416.9	3374.4	3331.7
3601.8	22.5°	3692.1	3782.4	3792.1	3801.7	3701.5	3601.4	3510.4	3419.3	3374.5	3329.6
3431.9	25°	3520.7	3609.5	3642.7	3675.8	3593.7	3511.7	3430.7	3350.0	3311.1	3272.4
3240.5	27.5°	3311.7	3382.9	3419.9	3456.9	3398.4	3340.0	3277.2	3214.4	3188.4	3162.2
3048.2	30°	3107.3	3166.5	3196.5	3226.6	3182.1	3137.5	3092.5	3047.3	3034.0	3020.6
2853.2	32.5°	2909.9	2966.7	3000.0	3033.5	2992.6	2951.5	2915.6	2879.7	2871.0	2862.2
2663.7	35°	2719.7	2776.0	2816.0	2856.1	2826.9	2797.9	2764.7	2731.6	2718.3	2705.2
2482.7	37.5°	2538.6	2594.7	2644.2	2693.7	2680.3	2666.8	2636.3	2605.7	2581.6	2557.5
2313.5	40°	2367.5	2421.6	2478.6	2535.6	2538.9	2542.1	2516.2	2490.3	2455.1	2420.2
2158.4	42.5°	2209.6	2261.0	2322.5	2384.0	2400.5	2416.9	2395.0	2373.3	2329.6	2286.0
2025.4	45°	2074.0	2122.6	2186.4	2250.2	2273.8	2297.5	2277.7	2258.1	2208.2	2158.4
1919.1	47.5°	1966.7	2014.2	2077.1	2140.1	2167.3	2194.5	2180.7	2167.0	2122.6	2078.3
1841.8	50°	1886.7	1931.5	1987.9	2044.2	2079.2	2114.1	2113.2	2112.6	2077.1	2041.7
1791.0	52.5°	1832.2	1873.3	1925.8	1978.4	2019.8	2061.1	2068.6	2076.0	2047.1	2018.2
1752.7	55°	1797.0	1841.4	1887.5	1933.4	1977.2	2021.1	2031.4	2041.7	2016.5	1991.3
1700.9	57.5°	1753.0	1805.1	1850.6	1896.2	1940.4	1984.4	1994.9	2005.3	1979.9	1954.4
1631.1	60°	1690.9	1750.7	1796.9	1843.3	1887.6	1931.9	1943.4	1954.8	1929.9	1905.2
1532.8	62.5°	1602.5	1672.3	1721.7	1771.0	1811.6	1852.3	1863.3	1874.3	1851.8	1829.4
1427.7	65°	1502.4	1577.2	1624.4	1671.6	1707.4	1743.1	1754.4	1765.6	1744.0	1722.4
1330.4	67.5°	1399.4	1468.5	1513.2	1557.9	1588.8	1619.7	1630.7	1641.5	1621.7	1601.9
1233.4	70°	1294.1	1354.7	1393.3	1432.0	1459.9	1487.8	1498.4	1508.9	1492.8	1476.6
1118.0	72.5°	1165.7	1213.4	1248.3	1283.2	1310.5	1337.8	1350.4	1363.0	1349.6	1336.1
978.8	75°	1014.3	1049.7	1081.3	1113.0	1137.9	1162.7	1175.9	1189.1	1182.5	1175.9
831.4	77.5°	860.3	889.1	916.3	943.4	969.6	995.7	1008.0	1020.3	1011.1	1001.7
663.8	80°	687.8	711.7	734.6	757.5	777.4	797.1	813.4	829.7	825.7	821.8
499.3	82.5°	497.3	495.3	487.2	479.2	521.6	563.9	591.7	619.4	617.7	615.8
310.4	85°	300.1	289.7	267.5	245.3	285.0	324.7	359.1	393.4	390.5	387.7
144.2	87.5°	143.8	143.3	126.5	109.4	126.0	142.8	156.6	170.5	167.1	163.4
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3728.0	0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
3406.7	2.5°	3396.8	3384.7	3396.8	3406.7	3416.4	3427.0	3437.6	3451.2	3464.8	3481.7
3191.7	5°	3181.5	3171.5	3181.5	3191.7	3201.8	3215.1	3228.5	3247.2	3265.9	3292.8
3062.9	7.5°	3053.9	3047.1	3053.9	3062.9	3072.1	3087.3	3102.6	3124.9	3147.2	3179.0
3027.9	10°	3020.2	3017.0	3020.2	3027.9	3035.6	3050.1	3064.5	3089.7	3114.6	3152.8
3082.0	12.5°	3075.4	3074.2	3075.4	3082.0	3088.5	3104.6	3120.7	3152.9	3185.1	3233.7
3183.7	15°	3175.1	3174.4	3175.1	3183.7	3192.3	3214.6	3237.0	3286.0	3334.9	3404.1
3271.5	17.5°	3260.5	3258.8	3260.5	3271.5	3282.4	3315.7	3348.9	3421.0	3493.1	3584.8
3318.1	20°	3304.6	3300.3	3304.6	3318.1	3331.7	3374.4	3416.9	3505.1	3593.5	3698.2
3314.6	22.5°	3299.5	3293.1	3299.5	3314.6	3329.6	3374.5	3419.3	3510.4	3601.4	3701.5
3258.2	25°	3244.2	3235.9	3244.2	3258.2	3272.4	3311.1	3350.0	3430.7	3511.7	3593.7
3155.8	27.5°	3149.3	3147.2	3149.3	3155.8	3162.2	3188.4	3214.4	3277.2	3340.0	3398.4
3020.6	30°	3020.6	3022.7	3020.6	3020.6	3020.6	3034.0	3047.3	3092.5	3137.5	3182.1
2863.4	32.5°	2864.7	2866.8	2864.7	2863.4	2862.2	2871.0	2879.7	2915.6	2951.5	2992.6
2702.3	35°	2699.4	2698.0	2699.4	2702.3	2705.2	2718.3	2731.6	2764.7	2797.9	2826.9
2544.8	37.5°	2532.1	2524.9	2532.1	2544.8	2557.5	2581.6	2605.7	2636.3	2666.8	2680.3
2396.4	40°	2373.0	2359.0	2373.0	2396.4	2420.2	2455.1	2490.3	2516.2	2542.1	2538.9
2251.5	42.5°	2217.1	2194.5	2217.1	2251.5	2286.0	2329.6	2373.3	2395.0	2416.9	2400.5
2117.9	45°	2077.4	2051.4	2077.4	2117.9	2158.4	2208.2	2258.1	2277.7	2297.5	2273.8
2040.8	47.5°	2003.5	1978.4	2003.5	2040.8	2078.3	2122.6	2167.0	2180.7	2194.5	2167.3
2007.1	50°	1972.4	1948.4	1972.4	2007.1	2041.7	2077.1	2112.6	2113.2	2114.1	2079.2
1987.2	52.5°	1956.3	1934.1	1956.3	1987.2	2018.2	2047.1	2076.0	2068.6	2061.1	2019.8
1964.1	55°	1937.0	1916.9	1937.0	1964.1	1991.3	2016.5	2041.7	2031.4	2021.1	1977.2
1927.5	57.5°	1900.5	1879.7	1900.5	1927.5	1954.4	1979.9	2005.3	1994.9	1984.4	1940.4
1877.4	60°	1849.7	1828.2	1849.7	1877.4	1905.2	1929.9	1954.8	1943.4	1931.9	1887.6
1800.2	62.5°	1771.0	1745.3	1771.0	1800.2	1829.4	1851.8	1874.3	1863.3	1852.3	1811.6
1694.0	65°	1665.9	1643.7	1665.9	1694.0	1722.4	1744.0	1765.6	1754.4	1743.1	1707.4
1575.6	67.5°	1549.3	1529.3	1549.3	1575.6	1601.9	1621.7	1641.5	1630.7	1619.7	1588.8
1451.4	70°	1426.3	1403.4	1426.3	1451.4	1476.6	1492.8	1508.9	1498.4	1487.8	1459.9
1312.1	72.5°	1288.2	1266.0	1288.2	1312.1	1336.1	1349.6	1363.0	1350.4	1337.8	1310.5
1155.7	75°	1135.6	1114.4	1135.6	1155.7	1175.9	1182.5	1189.1	1175.9	1162.7	1137.9
981.4	77.5°	961.0	944.2	961.0	981.4	1001.7	1011.1	1020.3	1008.0	995.7	969.6
794.5	80°	767.1	735.3	767.1	794.5	821.8	825.7	829.7	813.4	797.1	777.4
592.8	82.5°	569.6	549.3	569.6	592.8	615.8	617.7	619.4	591.7	563.9	521.6
369.7	85°	351.6	333.3	351.6	369.7	387.7	390.5	393.4	359.1	324.7	285.0
154.2	87.5°	144.8	135.9	144.8	154.2	163.4	167.1	170.5	156.6	142.8	126.0
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°
3728.0	0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
3498.4	2.5°	3520.0	3541.7	3563.3	3584.9	3609.5	3634.3	3661.6	3689.1	3723.0	3753.5
3319.6	5°	3354.5	3389.2	3427.6	3465.9	3509.3	3552.8	3604.7	3656.5	3715.8	3775.9
3210.9	7.5°	3253.3	3296.0	3344.3	3392.5	3449.8	3507.0	3575.8	3644.7	3721.6	3803.5
3190.8	10°	3238.8	3286.7	3338.7	3390.7	3447.9	3505.1	3577.8	3650.5	3733.0	3834.1
3282.4	12.5°	3331.9	3381.5	3422.1	3463.1	3500.8	3538.9	3598.1	3657.6	3734.4	3840.7
3473.4	15°	3516.4	3559.5	3570.1	3580.7	3575.5	3570.4	3598.7	3627.1	3688.7	3806.4
3676.5	17.5°	3711.1	3745.9	3712.8	3679.6	3617.3	3554.9	3544.6	3534.2	3572.1	3710.5
3803.1	20°	3819.3	3835.3	3765.9	3696.5	3588.1	3479.8	3431.2	3382.5	3392.5	3553.8
3801.7	22.5°	3792.1	3782.4	3692.1	3601.8	3477.9	3354.3	3282.4	3210.4	3190.8	3374.4
3675.8	25°	3642.7	3609.5	3520.7	3431.9	3320.6	3209.4	3126.5	3043.5	2990.6	3178.7
3456.9	27.5°	3419.9	3382.9	3311.7	3240.5	3149.2	3057.8	2977.7	2897.6	2833.2	3004.4
3226.6	30°	3196.5	3166.5	3107.3	3048.2	2972.4	2896.6	2832.8	2769.2	2718.7	2862.5
3033.5	32.5°	3000.0	2966.7	2909.9	2853.2	2792.6	2732.1	2694.4	2656.8	2634.3	2750.2
2856.1	35°	2816.0	2776.0	2719.7	2663.7	2617.6	2571.4	2561.0	2550.7	2560.0	2656.5
2693.7	37.5°	2644.2	2594.7	2538.6	2482.7	2449.7	2416.5	2427.9	2439.4	2473.4	2557.8
2535.6	40°	2478.6	2421.6	2367.5	2313.5	2289.6	2265.7	2291.6	2317.5	2369.7	2446.2
2384.0	42.5°	2322.5	2261.0	2209.6	2158.4	2138.8	2119.3	2153.7	2188.0	2253.8	2324.3
2250.2	45°	2186.4	2122.6	2074.0	2025.4	2008.8	1992.5	2025.8	2059.3	2122.9	2194.5
2140.1	47.5°	2077.1	2014.2	1966.7	1919.1	1903.8	1888.3	1916.4	1944.4	1999.2	2091.5
2044.2	50°	1987.9	1931.5	1886.7	1841.8	1817.6	1793.6	1818.4	1843.3	1906.9	2028.2
1978.4	52.5°	1925.8	1873.3	1832.2	1791.0	1755.0	1718.8	1743.3	1767.9	1856.8	1996.3
1933.4	55°	1887.5	1841.4	1797.0	1752.7	1701.5	1650.1	1688.9	1727.8	1861.9	1991.6
1896.2	57.5°	1850.6	1805.1	1753.0	1700.9	1645.7	1590.5	1647.1	1703.8	1866.9	1981.3
1843.3	60°	1796.9	1750.7	1690.9	1631.1	1582.8	1534.3	1607.8	1681.2	1851.1	1926.7
1771.0	62.5°	1721.7	1672.3	1602.5	1532.8	1502.1	1471.3	1563.0	1654.9	1812.5	1821.8
1671.6	65°	1624.4	1577.2	1502.4	1427.7	1416.0	1404.1	1501.8	1599.3	1719.5	1718.4
1557.9	67.5°	1513.2	1468.5	1399.4	1330.4	1334.1	1337.8	1419.1	1500.4	1567.9	1571.0
1432.0	70°	1393.3	1354.7	1294.1	1233.4	1246.3	1259.2	1317.0	1374.8	1396.9	1396.9
1283.2	72.5°	1248.3	1213.4	1165.7	1118.0	1136.7	1155.6	1195.2	1234.8	1234.6	1220.5
1113.0	75°	1081.3	1049.7	1014.3	978.8	996.9	1015.0	1045.6	1076.1	1081.5	1016.8
943.4	77.5°	916.3	889.1	860.3	831.4	849.7	868.1	892.5	917.0	919.8	813.3
757.5	80°	734.6	711.7	687.8	663.8	679.2	694.5	715.1	735.6	736.0	608.7
479.2	82.5°	487.2	495.3	497.3	499.3	510.1	521.0	531.0	541.0	535.0	426.3
245.3	85°	267.5	289.7	300.1	310.4	322.6	334.7	345.5	356.2	348.3	267.5
109.4	87.5°	126.5	143.3	143.8	144.2	146.5	148.8	153.1	157.4	147.3	113.7
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°
3728.0	0°	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0	3728.0
3784.9	2.5°	3816.4	3849.3	3882.2	3914.8	3947.6	3978.3	4009.1
3839.6	5°	3903.2	3971.3	4039.6	4107.2	4175.0	4243.0	4310.9
3892.4	7.5°	3981.2	4082.1	4182.9	4286.5	4390.1	4502.1	4614.2
3939.4	10°	4044.4	4167.0	4289.5	4426.2	4563.1	4704.9	4846.7
3959.6	12.5°	4078.5	4223.0	4367.4	4522.5	4677.6	4833.2	4989.0
3944.0	15°	4081.6	4248.0	4414.4	4582.6	4750.8	4913.2	5075.6
3876.1	17.5°	4041.6	4234.7	4427.8	4611.4	4794.9	4959.6	5124.2
3758.9	20°	3964.0	4198.1	4432.1	4633.8	4835.5	5006.8	5177.9
3621.4	22.5°	3868.5	4153.2	4437.8	4664.1	4890.3	5065.3	5240.1
3467.9	25°	3757.3	4108.8	4460.4	4719.1	4977.6	5148.8	5320.2
3327.6	27.5°	3650.7	4079.2	4507.6	4804.9	5102.0	5265.5	5428.9
3210.3	30°	3558.0	4065.3	4572.3	4916.1	5259.8	5417.6	5575.5
3109.1	32.5°	3467.9	4048.2	4628.1	5032.1	5436.1	5592.3	5748.6
3009.7	35°	3362.9	4015.8	4669.0	5164.3	5659.5	5809.3	5958.9
2892.7	37.5°	3227.6	3960.5	4693.3	5312.3	5931.3	6122.2	6313.0
2753.1	40°	3059.9	3884.2	4708.6	5500.3	6291.8	6569.9	6848.0
2599.0	42.5°	2873.7	3805.5	4737.7	5746.2	6754.7	7156.2	7557.6
2435.4	45°	2676.3	3732.4	4788.7	6069.8	7350.8	7892.3	8433.8
2305.9	47.5°	2520.3	3672.1	4823.8	6414.6	8005.3	8767.5	9529.6
2219.9	50°	2411.6	3606.3	4800.9	6734.4	8667.9	9817.0	10965.8
2163.3	52.5°	2330.4	3495.1	4660.0	6942.1	9224.1	10919.3	12614.5
2122.2	55°	2252.8	3310.8	4368.9	6896.4	9423.7	11896.7	14369.8
2073.6	57.5°	2165.8	3051.1	3936.1	6574.2	9212.4	12589.4	15966.3
1999.2	60°	2071.7	2713.7	3355.8	5974.7	8593.6	12762.4	16931.2
1869.9	62.5°	1918.1	2310.0	2702.0	5164.0	7625.9	12033.6	16441.2
1741.1	65°	1763.9	1946.8	2129.8	4336.8	6544.0	11002.3	15460.6
1558.4	67.5°	1545.7	1597.8	1649.7	3526.6	5403.4	9775.0	14146.6
1338.1	70°	1279.2	1264.5	1249.6	2776.7	4303.8	8435.9	12568.0
1137.1	72.5°	1053.6	1008.7	963.9	2122.8	3281.7	6984.2	10686.9
923.3	75°	829.7	789.1	748.5	1540.7	2332.9	5320.0	8307.2
722.4	77.5°	631.6	603.8	576.2	1044.0	1511.8	3723.6	5935.3
531.9	80°	454.9	443.5	432.0	672.6	913.4	2399.0	3884.6
369.7	82.5°	313.0	310.7	308.7	413.7	519.0	1388.5	2258.1
226.0	85°	184.5	185.7	186.7	221.2	255.8	624.6	993.5
96.7	87.5°	79.8	80.8	81.8	91.7	101.6	204.6	307.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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