

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: P957524

Luminaire Tested: **GALN-SB9D-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957524  
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-SB9D-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

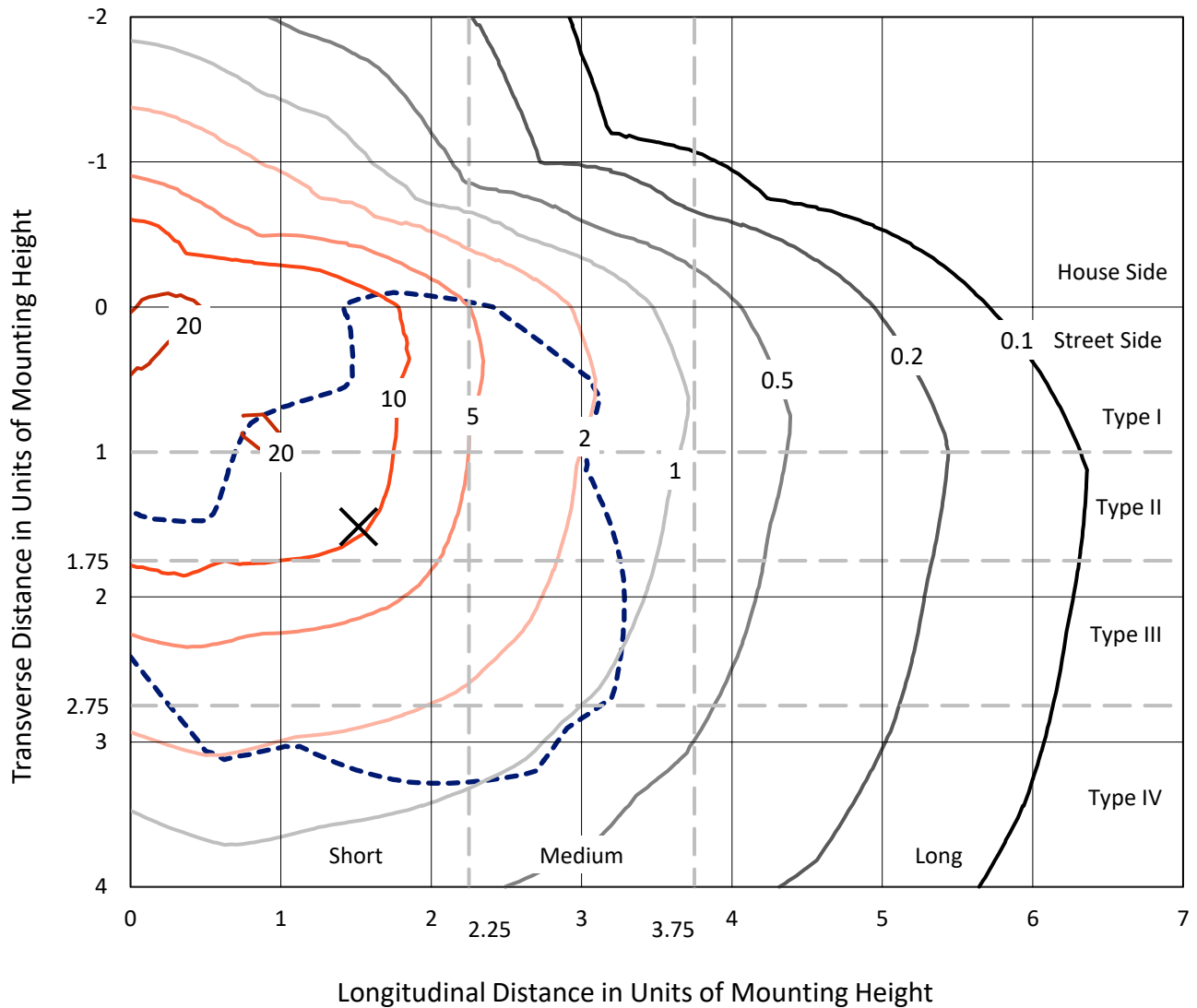
Lumens per Lamp: N/A  
Luminaire Lumens: 85663 lumens  
Efficiency: N/A  
Efficacy: 130.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

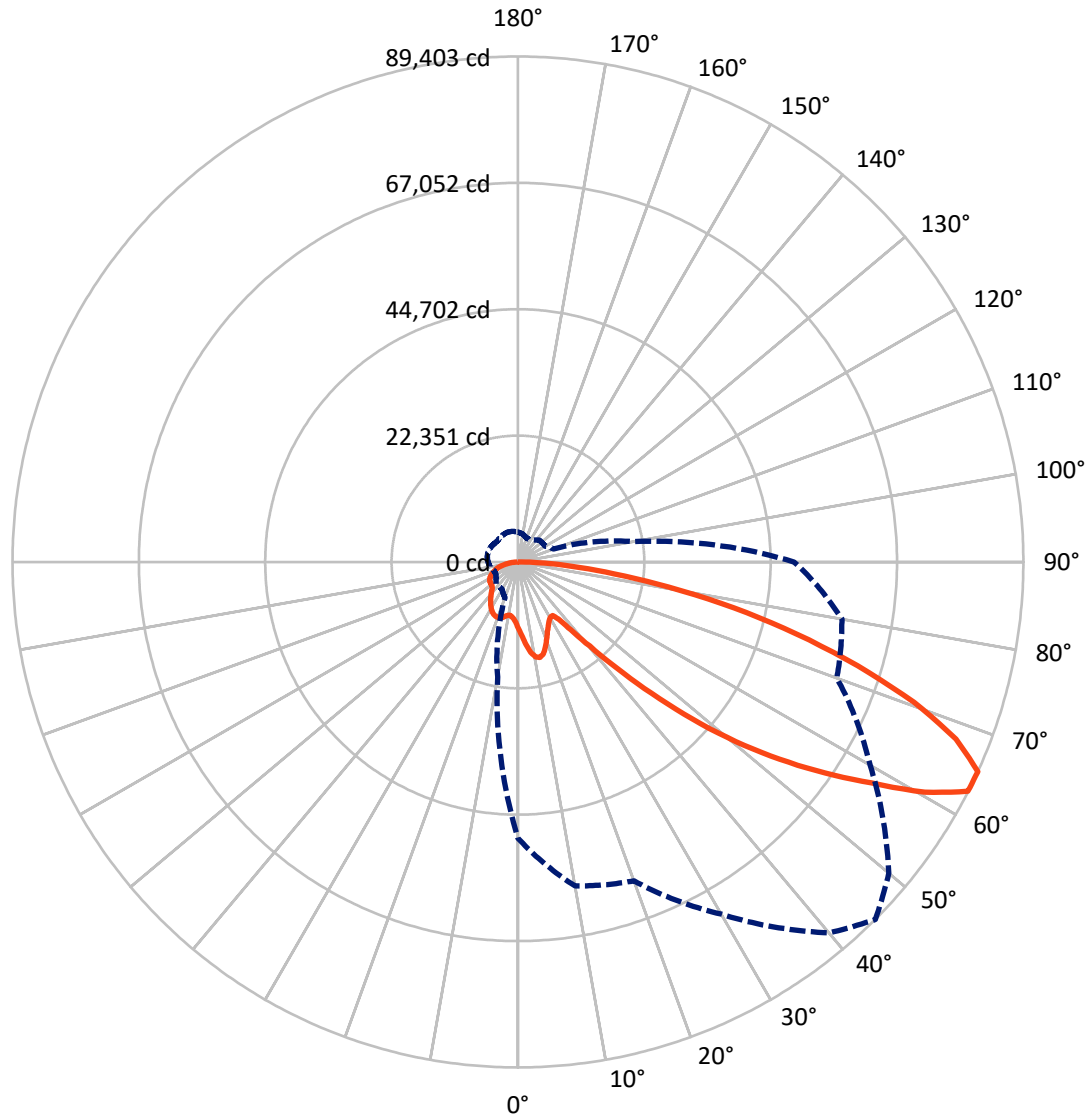
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26.1 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	21771.2	0.0	21771.2
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	63891.8	0.0	63891.8
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	85663.0	0.0	85663.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1168.5	1.4
10°-20°	3668.2	4.3
20°-30°	5666.1	6.6
30°-40°	7180.3	8.4
40°-50°	10829.8	12.6
50°-60°	17497.1	20.4
60°-70°	21812.9	25.5
70°-80°	14303.8	16.7
80°-90°	3536.3	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°	85663.0	100.0
0°-180°	85663.0	100.0



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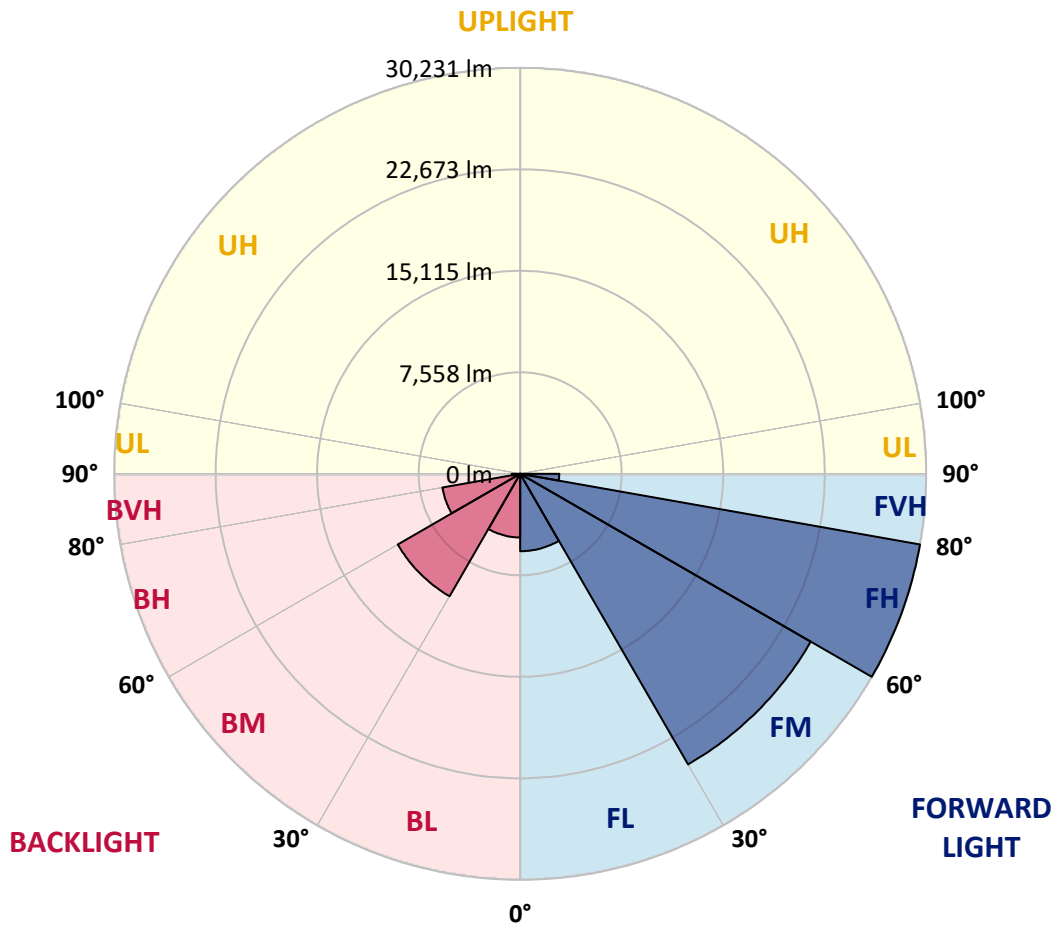
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5761.8	6.7			
FM (30°-60°)	24986.0	29.2			
FH (60°-80°)	30230.8	35.3			G5
FVH (80°-90°)	2913.1	3.4			G5
BL (0°-30°)	4740.9	5.5	B4/5000		
BM (30°-60°)	10521.2	12.3	B5		
BH (60°-80°)	5885.9	6.9	B5		G5
BVH (80°-90°)	623.2	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
2.5°	12667.6	12715.5	12763.9	12832.1	12900.4	12941.1	12981.7	13002.1	13022.4	13013.4
5°	13621.3	13789.0	13957.2	14123.5	14290.3	14380.7	14471.1	14525.8	14581.0	14622.5
7.5°	14579.6	14852.6	15125.2	15370.6	15616.1	15763.9	15911.7	15991.7	16071.2	16109.7
10°	15314.1	15636.9	15959.6	16247.5	16535.5	16709.9	16883.5	16961.3	17038.5	17067.9
12.5°	15763.9	16113.7	16463.1	16723.5	16982.9	17109.5	17236.1	17278.6	17321.1	17325.6
15°	16037.3	16339.3	16640.8	16804.0	16967.6	16972.1	16976.6	16931.4	16886.2	16832.9
17.5°	16191.0	16394.9	16598.7	16601.9	16604.6	16421.6	16238.5	16070.8	15902.6	15784.2
20°	16360.5	16431.5	16502.9	16288.2	16073.5	15669.4	15265.3	14971.0	14676.8	14496.0
22.5°	16557.2	16464.0	16370.9	15926.1	15481.4	14887.0	14292.6	13924.6	13556.7	13356.9
25°	16810.3	16516.5	16222.7	15547.4	14872.1	14150.2	13428.3	13041.4	12655.4	12466.5
27.5°	17153.8	16628.6	16102.9	15208.4	14314.3	13514.2	12714.2	12333.6	11953.4	11774.9
30°	17617.1	16833.8	16050.9	14949.8	13848.7	13015.2	12181.7	11828.7	11475.6	11309.3
32.5°	18164.1	17091.4	16019.3	14773.5	13527.8	12744.4	11961.1	11684.0	11406.5	11286.7
35°	18828.5	17515.9	16203.7	14905.5	13607.8	13063.6	12519.8	12455.2	12390.5	12380.6
37.5°	19947.2	18403.2	16859.1	15679.3	14499.6	14464.3	14429.1	14724.7	15020.3	15174.0
40°	21637.8	19958.5	18279.3	17402.0	16524.6	17143.9	17763.1	18481.8	19200.5	19558.5
42.5°	23879.7	22213.6	20547.5	20042.2	19536.8	20887.4	22238.0	23545.2	24852.5	25620.0
45°	26648.3	25151.7	23654.6	23431.8	23208.5	25372.3	27536.5	29684.5	31832.9	33136.9
47.5°	30110.7	28654.8	27198.4	27153.2	27108.0	30229.6	33350.3	36494.9	39639.1	41485.5
50°	34648.9	32850.3	31052.2	31059.9	31067.6	35090.5	39113.4	43264.2	47415.0	49924.6
52.5°	39858.3	37680.5	35503.2	35283.1	35062.5	39867.8	44673.1	49808.9	54944.2	57952.3
55°	45404.5	43252.9	41101.3	40243.0	39384.6	44732.8	50080.5	56203.0	62325.5	65903.2
57.5°	50448.9	49277.3	48105.2	46383.5	44662.3	50062.5	55462.6	62397.4	69331.7	73768.2
60°	53497.7	55317.5	57137.8	54999.8	52861.8	57972.2	63082.6	70507.3	77932.1	82727.0
62.5°	51949.6	56922.2	61894.7	61653.8	61412.4	66093.9	70775.8	77839.9	84903.4	89335.4
65°	48851.1	53518.1	58185.1	59108.5	60031.5	65980.9	71930.7	78780.5	85629.8	89403.2
67.5°	44699.3	49138.1	53576.8	54009.9	54442.4	60641.3	66839.7	73718.9	80598.0	83554.2
70°	39711.4	44539.3	49367.7	49561.2	49755.1	55298.5	60841.6	66761.5	72681.1	74324.1
72.5°	33767.5	39307.8	44848.5	44987.7	45126.5	49463.5	53800.6	58234.4	62667.7	62834.0
75°	26248.3	31982.5	37716.7	38231.5	38746.4	42120.6	45494.9	48616.0	51737.2	50900.9
77.5°	18753.9	24106.6	29459.8	30196.6	30933.4	33498.5	36063.7	38277.2	40491.1	39053.7
80°	12274.4	16777.7	21280.7	22196.4	23112.2	25049.5	26985.9	28148.5	29310.6	26998.6
82.5°	7135.0	10213.6	13292.7	14315.6	15339.0	16672.4	18005.8	18490.9	18975.4	17158.3
85°	3139.2	4773.2	6407.3	7277.4	8147.5	9243.2	10338.4	10613.7	10888.9	9433.5
87.5°	971.8	1521.0	2070.2	2555.7	3041.1	3589.0	4136.8	4160.3	4183.4	3512.1
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°
11779.4	0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
13022.4	2.5°	13002.1	12981.7	12941.1	12900.4	12832.1	12763.9	12715.5	12667.6	12570.4	12473.2
14581.0	5°	14525.8	14471.1	14380.7	14290.3	14123.5	13957.2	13789.0	13621.3	13406.6	13191.9
16071.2	7.5°	15991.7	15911.7	15763.9	15616.1	15370.6	15125.2	14852.6	14579.6	14225.2	13871.3
17038.5	10°	16961.3	16883.5	16709.9	16535.5	16247.5	15959.6	15636.9	15314.1	14866.2	14418.2
17321.1	12.5°	17278.6	17236.1	17109.5	16982.9	16723.5	16463.1	16113.7	15763.9	15271.6	14779.8
16886.2	15°	16931.4	16976.6	16972.1	16967.6	16804.0	16640.8	16339.3	16037.3	15524.3	15011.3
15902.6	17.5°	16070.8	16238.5	16421.6	16604.6	16601.9	16598.7	16394.9	16191.0	15670.8	15150.5
14676.8	20°	14971.0	15265.3	15669.4	16073.5	16288.2	16502.9	16431.5	16360.5	15819.9	15278.9
13556.7	22.5°	13924.6	14292.6	14887.0	15481.4	15926.1	16370.9	16464.0	16557.2	16004.8	15452.0
12655.4	25°	13041.4	13428.3	14150.2	14872.1	15547.4	16222.7	16516.5	16810.3	16268.8	15727.7
11953.4	27.5°	12333.6	12714.2	13514.2	14314.3	15208.4	16102.9	16628.6	17153.8	16637.6	16121.0
11475.6	30°	11828.7	12181.7	13015.2	13848.7	14949.8	16050.9	16833.8	17617.1	17118.1	16619.5
11406.5	32.5°	11684.0	11961.1	12744.4	13527.8	14773.5	16019.3	17091.4	18164.1	17670.0	17176.4
12390.5	35°	12455.2	12519.8	13063.6	13607.8	14905.5	16203.7	17515.9	18828.5	18355.7	17882.4
15020.3	37.5°	14724.7	14429.1	14464.3	14499.6	15679.3	16859.1	18403.2	19947.2	19344.3	18741.3
19200.5	40°	18481.8	17763.1	17143.9	16524.6	17402.0	18279.3	19958.5	21637.8	20759.0	19880.3
24852.5	42.5°	23545.2	22238.0	20887.4	19536.8	20042.2	20547.5	22213.6	23879.7	22611.4	21343.0
31832.9	45°	29684.5	27536.5	25372.3	23208.5	23431.8	23654.6	25151.7	26648.3	24937.4	23226.6
39639.1	47.5°	36494.9	33350.3	30229.6	27108.0	27153.2	27198.4	28654.8	30110.7	27702.8	25294.5
47415.0	50°	43264.2	39113.4	35090.5	31067.6	31059.9	31052.2	32850.3	34648.9	31018.8	27388.2
54944.2	52.5°	49808.9	44673.1	39867.8	35062.5	35283.1	35503.2	37680.5	39858.3	34502.0	29145.7
62325.5	55°	56203.0	50080.5	44732.8	39384.6	40243.0	41101.3	43252.9	45404.5	37590.1	29776.2
69331.7	57.5°	62397.4	55462.6	50062.5	44662.3	46383.5	48105.2	49277.3	50448.9	39778.8	29108.6
77932.1	60°	70507.3	63082.6	57972.2	52861.8	54999.8	57137.8	55317.5	53497.7	40325.7	27153.2
84903.4	62.5°	77839.9	70775.8	66093.9	61412.4	61653.8	61894.7	56922.2	51949.6	38022.7	24095.8
85629.8	65°	78780.5	71930.7	65980.9	60031.5	59108.5	58185.1	53518.1	48851.1	34764.1	20677.2
80598.0	67.5°	73718.9	66839.7	60641.3	54442.4	54009.9	53576.8	49138.1	44699.3	30886.3	17073.4
72681.1	70°	66761.5	60841.6	55298.5	49755.1	49561.2	49367.7	44539.3	39711.4	26655.1	13598.7
62667.7	72.5°	58234.4	53800.6	49463.5	45126.5	44987.7	44848.5	39307.8	33767.5	22068.1	10369.1
51737.2	75°	48616.0	45494.9	42120.6	38746.4	38231.5	37716.7	31982.5	26248.3	16809.8	7371.4
40491.1	77.5°	38277.2	36063.7	33498.5	30933.4	30196.6	29459.8	24106.6	18753.9	11765.4	4776.8
29310.6	80°	28148.5	26985.9	25049.5	23112.2	22196.4	21280.7	16777.7	12274.4	7580.2	2886.1
18975.4	82.5°	18490.9	18005.8	16672.4	15339.0	14315.6	13292.7	10213.6	7135.0	4387.2	1639.9
10888.9	85°	10613.7	10338.4	9243.2	8147.5	7277.4	6407.3	4773.2	3139.2	1973.5	808.2
4183.4	87.5°	4160.3	4136.8	3589.0	3041.1	2555.7	2070.2	1521.0	971.8	646.4	320.9
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
11779.4	0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
12369.7	2.5°	12266.7	12162.7	12058.7	11959.3	11859.9	11763.6	11656.5	11569.7	11483.3	11405.1
12977.7	5°	12763.9	12548.3	12333.1	12132.0	11930.8	11741.0	11553.4	11389.8	11225.7	11088.3
13544.1	7.5°	13216.8	12898.1	12579.5	12298.8	12018.1	11759.1	11516.3	11298.5	11081.0	10900.2
13985.7	10°	13553.5	13166.6	12779.2	12447.5	12114.8	11795.2	11534.4	11304.8	11075.2	10894.4
14289.9	12.5°	13799.9	13343.4	12886.8	12511.2	12135.6	11799.7	11557.0	11369.0	11181.8	11061.6
14479.7	15°	13948.1	13422.5	12896.8	12461.9	12027.1	11655.1	11460.7	11370.8	11281.3	11297.6
14570.6	17.5°	13990.6	13380.4	12770.2	12247.2	11724.3	11286.7	11166.9	11199.9	11232.5	11429.5
14641.5	20°	14004.2	13264.7	12525.2	11877.0	11228.9	10719.4	10687.8	10841.5	10995.2	11337.3
14737.4	22.5°	14022.3	13122.8	12223.3	11442.7	10662.0	10082.1	10144.0	10371.4	10598.7	10989.3
14910.9	25°	14093.7	12982.7	11872.1	10957.6	10043.7	9449.3	9616.5	9878.7	10140.9	10492.1
15182.1	27.5°	14242.9	12889.1	11535.3	10514.2	9493.1	8952.1	9155.5	9408.6	9661.7	9950.6
15533.3	30°	14447.2	12845.2	11242.4	10143.6	9044.7	8590.5	8750.0	8950.7	9152.3	9391.9
15899.9	32.5°	14623.5	12791.0	10957.6	9824.0	8689.9	8323.8	8394.7	8513.6	8632.5	8823.7
16317.6	35°	14752.7	12688.8	10625.9	9509.9	8393.8	8088.7	8059.4	8091.9	8124.9	8270.9
16785.4	37.5°	14829.6	12513.9	10198.3	9140.1	8082.0	7815.3	7707.7	7671.5	7635.4	7740.2
17379.4	40°	14877.9	12273.0	9668.5	8698.9	7729.4	7487.6	7322.6	7240.8	7158.9	7234.4
18156.4	42.5°	14969.7	12024.4	9080.0	8212.1	7344.3	7121.4	6913.5	6805.0	6696.5	6758.0
19178.8	45°	15131.1	11793.4	8456.2	7695.0	6933.8	6707.8	6506.7	6400.9	6295.6	6347.1
20268.2	47.5°	15241.8	11602.7	7963.5	7286.0	6608.4	6316.9	6143.7	6055.1	5966.5	6015.4
21278.9	50°	15169.5	11394.7	7620.0	7014.3	6408.6	6025.3	5824.2	5745.5	5667.3	5743.2
21935.2	52.5°	14724.3	11043.5	7363.3	6835.3	6307.8	5867.1	5585.9	5508.2	5430.9	5545.3
21790.5	55°	13804.4	10461.3	7118.3	6705.6	6292.9	5882.9	5459.4	5336.4	5213.9	5376.2
20772.6	57.5°	12437.1	9640.5	6843.4	6551.9	6260.3	5898.7	5383.4	5204.5	5025.5	5199.9
18878.2	60°	10603.3	8574.6	6546.0	6316.9	6087.7	5849.0	5312.0	5080.1	4847.8	5001.0
16316.7	62.5°	8537.6	7299.1	6060.6	5908.2	5756.4	5727.0	5228.9	4938.7	4648.9	4746.1
13703.2	65°	6729.5	6151.4	5573.3	5501.4	5429.6	5433.2	5053.5	4745.2	4436.5	4474.0
11143.0	67.5°	5212.6	5048.5	4884.0	4924.2	4964.0	4954.0	4740.7	4483.9	4227.2	4215.5
8773.5	70°	3948.3	3995.3	4041.9	4228.1	4413.9	4413.9	4343.8	4161.2	3978.6	3937.9
6707.4	72.5°	3045.6	3187.1	3329.1	3593.0	3856.6	3900.9	3901.8	3776.5	3651.3	3591.7
4868.2	75°	2364.9	2493.3	2621.7	2917.3	3212.9	3417.2	3400.0	3303.7	3207.0	3150.1
3298.8	77.5°	1820.7	1907.9	1995.6	2282.7	2569.7	2906.4	2897.4	2820.1	2742.8	2684.9
2125.4	80°	1365.1	1401.2	1437.4	1680.6	1923.3	2325.6	2324.2	2259.6	2194.5	2146.1
1307.2	82.5°	975.4	981.8	989.0	1168.0	1347.0	1690.5	1709.5	1677.9	1646.2	1611.9
698.8	85°	589.9	586.7	583.1	714.2	845.3	1100.6	1125.5	1091.6	1057.7	1019.3
289.7	87.5°	258.6	255.4	252.2	305.6	359.3	465.6	497.2	483.7	470.1	462.9
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
11779.4	0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
11327.4	2.5°	11259.1	11190.9	11122.2	11053.9	11001.0	10947.7	10904.8	10861.8	10828.4	10794.9
10951.3	5°	10830.2	10709.0	10599.2	10488.9	10404.4	10319.4	10260.2	10201.0	10158.9	10116.9
10719.4	7.5°	10567.1	10414.3	10279.6	10145.4	10044.6	9944.2	9873.7	9803.2	9754.8	9706.9
10713.6	10°	10549.5	10384.9	10233.5	10082.1	9961.9	9841.2	9762.5	9683.0	9637.3	9591.7
10942.3	12.5°	10813.0	10684.6	10527.8	10371.4	10217.7	10064.0	9962.3	9860.6	9809.5	9758.9
11313.8	15°	11280.4	11246.9	11110.9	10974.8	10756.0	10537.3	10382.7	10228.1	10157.1	10086.6
11626.6	17.5°	11731.5	11835.9	11726.1	11616.7	11326.9	11037.2	10809.4	10581.6	10476.7	10371.4
11680.0	20°	11899.2	12118.4	12067.8	12016.7	11685.4	11354.5	11075.2	10796.3	10662.0	10527.3
11380.7	22.5°	11665.9	11951.2	11981.9	12012.2	11695.8	11379.4	11091.9	10804.0	10662.5	10520.6
10843.7	25°	11124.4	11405.1	11510.0	11614.4	11355.0	11096.0	10840.1	10585.2	10462.2	10339.7
10238.9	27.5°	10464.0	10689.2	10805.8	10922.8	10738.0	10553.5	10355.1	10156.7	10074.4	9991.7
9631.4	30°	9818.1	10005.3	10100.2	10195.1	10054.5	9913.5	9771.6	9628.7	9586.7	9544.2
9015.4	32.5°	9194.4	9373.8	9479.1	9584.9	9455.6	9325.9	9212.4	9099.0	9071.4	9043.8
8416.4	35°	8593.6	8771.3	8897.8	9024.4	8932.2	8840.4	8735.6	8631.1	8589.1	8547.5
7844.6	37.5°	8021.4	8198.6	8355.0	8511.4	8468.9	8426.4	8330.1	8233.4	8157.0	8081.0
7309.9	40°	7480.8	7651.6	7831.5	8011.9	8022.3	8032.2	7950.4	7868.6	7757.4	7647.1
6819.9	42.5°	6981.8	7144.0	7338.4	7532.8	7584.7	7636.7	7567.6	7498.9	7361.0	7223.1
6399.6	45°	6553.3	6706.9	6908.5	7110.1	7184.7	7259.3	7196.9	7135.0	6977.2	6819.9
6063.7	47.5°	6214.2	6364.3	6563.2	6762.1	6848.0	6933.8	6890.5	6847.1	6706.9	6566.8
5819.6	50°	5961.6	6103.0	6281.1	6459.2	6569.5	6679.8	6677.1	6675.3	6563.2	6451.1
5659.2	52.5°	5789.4	5919.1	6085.0	6251.3	6381.9	6512.6	6536.1	6559.6	6468.3	6377.0
5538.0	55°	5678.2	5818.3	5963.8	6108.9	6247.2	6386.0	6418.6	6451.1	6371.5	6292.0
5374.4	57.5°	5538.9	5703.5	5847.2	5991.4	6131.1	6270.3	6303.3	6336.3	6255.8	6175.4
5153.8	60°	5342.8	5531.7	5677.7	5824.2	5964.3	6104.4	6140.6	6176.7	6098.1	6019.9
4843.3	62.5°	5063.4	5284.0	5439.9	5595.9	5724.3	5852.6	5887.4	5922.2	5851.3	5780.3
4511.1	65°	4747.0	4983.4	5132.6	5281.7	5394.7	5507.8	5543.5	5578.7	5510.5	5442.2
4203.7	67.5°	4421.6	4639.9	4781.4	4922.4	5020.0	5117.7	5152.5	5186.8	5124.0	5061.6
3897.2	70°	4088.9	4280.5	4402.6	4524.6	4612.8	4700.9	4734.4	4767.8	4716.7	4665.7
3532.5	72.5°	3683.4	3834.0	3944.2	4054.5	4140.9	4227.2	4267.0	4306.8	4264.3	4221.8
3092.7	75°	3204.8	3316.9	3416.7	3516.6	3595.3	3673.9	3715.5	3757.1	3736.3	3715.5
2627.1	77.5°	2718.4	2809.2	2895.1	2981.0	3063.7	3146.0	3184.9	3223.7	3194.8	3165.0
2097.3	80°	2173.3	2248.8	2321.1	2393.4	2456.2	2518.6	2570.1	2621.7	2609.0	2596.8
1577.5	82.5°	1571.2	1564.9	1539.5	1514.2	1648.0	1781.8	1869.5	1957.2	1951.8	1945.9
980.9	85°	948.3	915.3	845.3	775.2	900.4	1026.1	1134.5	1243.0	1234.0	1224.9
455.6	87.5°	454.3	452.9	399.6	345.8	398.2	451.1	495.0	538.8	527.9	516.2
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°
11779.4	0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
10764.2	2.5°	10733.0	10694.6	10733.0	10764.2	10794.9	10828.4	10861.8	10904.8	10947.7	11001.0
10084.8	5°	10052.7	10021.1	10052.7	10084.8	10116.9	10158.9	10201.0	10260.2	10319.4	10404.4
9678.0	7.5°	9649.5	9627.8	9649.5	9678.0	9706.9	9754.8	9803.2	9873.7	9944.2	10044.6
9567.3	10°	9542.9	9532.9	9542.9	9567.3	9591.7	9637.3	9683.0	9762.5	9841.2	9961.9
9738.1	12.5°	9717.3	9713.7	9717.3	9738.1	9758.9	9809.5	9860.6	9962.3	10064.0	10217.7
10059.5	15°	10032.4	10030.1	10032.4	10059.5	10086.6	10157.1	10228.1	10382.7	10537.3	10756.0
10337.0	17.5°	10302.2	10296.8	10302.2	10337.0	10371.4	10476.7	10581.6	10809.4	11037.2	11326.9
10484.4	20°	10441.4	10427.9	10441.4	10484.4	10527.3	10662.0	10796.3	11075.2	11354.5	11685.4
10473.1	22.5°	10425.6	10405.3	10425.6	10473.1	10520.6	10662.5	10804.0	11091.9	11379.4	11695.8
10295.0	25°	10250.7	10224.5	10250.7	10295.0	10339.7	10462.2	10585.2	10840.1	11096.0	11355.0
9971.4	27.5°	9951.0	9944.2	9951.0	9971.4	9991.7	10074.4	10156.7	10355.1	10553.5	10738.0
9544.2	30°	9544.2	9551.0	9544.2	9544.2	9544.2	9586.7	9628.7	9771.6	9913.5	10054.5
9047.4	32.5°	9051.5	9058.3	9051.5	9047.4	9043.8	9071.4	9099.0	9212.4	9325.9	9455.6
8538.5	35°	8529.4	8524.9	8529.4	8538.5	8547.5	8589.1	8631.1	8735.6	8840.4	8932.2
8040.8	37.5°	8000.6	7978.0	8000.6	8040.8	8081.0	8157.0	8233.4	8330.1	8426.4	8468.9
7572.1	40°	7498.0	7453.7	7498.0	7572.1	7647.1	7757.4	7868.6	7950.4	8032.2	8022.3
7114.2	42.5°	7005.3	6933.8	7005.3	7114.2	7223.1	7361.0	7498.9	7567.6	7636.7	7584.7
6692.0	45°	6564.1	6481.8	6564.1	6692.0	6819.9	6977.2	7135.0	7196.9	7259.3	7184.7
6448.4	47.5°	6330.4	6251.3	6330.4	6448.4	6566.8	6706.9	6847.1	6890.5	6933.8	6848.0
6341.7	50°	6232.3	6156.4	6232.3	6341.7	6451.1	6563.2	6675.3	6677.1	6679.8	6569.5
6278.9	52.5°	6181.2	6111.2	6181.2	6278.9	6377.0	6468.3	6559.6	6536.1	6512.6	6381.9
6206.1	55°	6120.2	6056.9	6120.2	6206.1	6292.0	6371.5	6451.1	6418.6	6386.0	6247.2
6090.4	57.5°	6005.0	5939.4	6005.0	6090.4	6175.4	6255.8	6336.3	6303.3	6270.3	6131.1
5932.2	60°	5844.5	5776.7	5844.5	5932.2	6019.9	6098.1	6176.7	6140.6	6104.4	5964.3
5688.1	62.5°	5595.9	5514.5	5595.9	5688.1	5780.3	5851.3	5922.2	5887.4	5852.6	5724.3
5352.7	65°	5263.7	5193.6	5263.7	5352.7	5442.2	5510.5	5578.7	5543.5	5507.8	5394.7
4978.4	67.5°	4895.3	4832.0	4895.3	4978.4	5061.6	5124.0	5186.8	5152.5	5117.7	5020.0
4586.1	70°	4506.5	4434.2	4506.5	4586.1	4665.7	4716.7	4767.8	4734.4	4700.9	4612.8
4145.8	72.5°	4070.4	4000.3	4070.4	4145.8	4221.8	4264.3	4306.8	4267.0	4227.2	4140.9
3651.8	75°	3588.1	3521.2	3588.1	3651.8	3715.5	3736.3	3757.1	3715.5	3673.9	3595.3
3100.8	77.5°	3036.6	2983.3	3036.6	3100.8	3165.0	3194.8	3223.7	3184.9	3146.0	3063.7
2510.5	80°	2423.7	2323.3	2423.7	2510.5	2596.8	2609.0	2621.7	2570.1	2518.6	2456.2
1873.1	82.5°	1799.9	1735.7	1799.9	1873.1	1945.9	1951.8	1957.2	1869.5	1781.8	1648.0
1168.0	85°	1111.0	1053.2	1111.0	1168.0	1224.9	1234.0	1243.0	1134.5	1026.1	900.4
487.3	87.5°	457.4	429.4	457.4	487.3	516.2	527.9	538.8	495.0	451.1	398.2
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
11779.4	0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
11053.9	2.5°	11122.2	11190.9	11259.1	11327.4	11405.1	11483.3	11569.7	11656.5	11763.6	11859.9
10488.9	5°	10599.2	10709.0	10830.2	10951.3	11088.3	11225.7	11389.8	11553.4	11741.0	11930.8
10145.4	7.5°	10279.6	10414.3	10567.1	10719.4	10900.2	11081.0	11298.5	11516.3	11759.1	12018.1
10082.1	10°	10233.5	10384.9	10549.5	10713.6	10894.4	11075.2	11304.8	11534.4	11795.2	12114.8
10371.4	12.5°	10527.8	10684.6	10813.0	10942.3	11061.6	11181.8	11369.0	11557.0	11799.7	12135.6
10974.8	15°	11110.9	11246.9	11280.4	11313.8	11297.6	11281.3	11370.8	11460.7	11655.1	12027.1
11616.7	17.5°	11726.1	11835.9	11731.5	11626.6	11429.5	11232.5	11199.9	11166.9	11286.7	11724.3
12016.7	20°	12067.8	12118.4	11899.2	11680.0	11337.3	10995.2	10841.5	10687.8	10719.4	11228.9
12012.2	22.5°	11981.9	11951.2	11665.9	11380.7	10989.3	10598.7	10371.4	10144.0	10082.1	10662.0
11614.4	25°	11510.0	11405.1	11124.4	10843.7	10492.1	10140.9	9878.7	9616.5	9449.3	10043.7
10922.8	27.5°	10805.8	10689.2	10464.0	10238.9	9950.6	9661.7	9408.6	9155.5	8952.1	9493.1
10195.1	30°	10100.2	10005.3	9818.1	9631.4	9391.9	9152.3	8950.7	8750.0	8590.5	9044.7
9584.9	32.5°	9479.1	9373.8	9194.4	9015.4	8823.7	8632.5	8513.6	8394.7	8323.8	8689.9
9024.4	35°	8897.8	8771.3	8593.6	8416.4	8270.9	8124.9	8091.9	8059.4	8088.7	8393.8
8511.4	37.5°	8355.0	8198.6	8021.4	7844.6	7740.2	7635.4	7671.5	7707.7	7815.3	8082.0
8011.9	40°	7831.5	7651.6	7480.8	7309.9	7234.4	7158.9	7240.8	7322.6	7487.6	7729.4
7532.8	42.5°	7338.4	7144.0	6981.8	6819.9	6758.0	6696.5	6805.0	6913.5	7121.4	7344.3
7110.1	45°	6908.5	6706.9	6553.3	6399.6	6347.1	6295.6	6400.9	6506.7	6707.8	6933.8
6762.1	47.5°	6563.2	6364.3	6214.2	6063.7	6015.4	5966.5	6055.1	6143.7	6316.9	6608.4
6459.2	50°	6281.1	6103.0	5961.6	5819.6	5743.2	5667.3	5745.5	5824.2	6025.3	6408.6
6251.3	52.5°	6085.0	5919.1	5789.4	5659.2	5545.3	5430.9	5508.2	5585.9	5867.1	6307.8
6108.9	55°	5963.8	5818.3	5678.2	5538.0	5376.2	5213.9	5336.4	5459.4	5882.9	6292.9
5991.4	57.5°	5847.2	5703.5	5538.9	5374.4	5199.9	5025.5	5204.5	5383.4	5898.7	6260.3
5824.2	60°	5677.7	5531.7	5342.8	5153.8	5001.0	4847.8	5080.1	5312.0	5849.0	6087.7
5595.9	62.5°	5439.9	5284.0	5063.4	4843.3	4746.1	4648.9	4938.7	5228.9	5727.0	5756.4
5281.7	65°	5132.6	4983.4	4747.0	4511.1	4474.0	4436.5	4745.2	5053.5	5433.2	5429.6
4922.4	67.5°	4781.4	4639.9	4421.6	4203.7	4215.5	4227.2	4483.9	4740.7	4954.0	4964.0
4524.6	70°	4402.6	4280.5	4088.9	3897.2	3937.9	3978.6	4161.2	4343.8	4413.9	4413.9
4054.5	72.5°	3944.2	3834.0	3683.4	3532.5	3591.7	3651.3	3776.5	3901.8	3900.9	3856.6
3516.6	75°	3416.7	3316.9	3204.8	3092.7	3150.1	3207.0	3303.7	3400.0	3417.2	3212.9
2981.0	77.5°	2895.1	2809.2	2718.4	2627.1	2684.9	2742.8	2820.1	2897.4	2906.4	2569.7
2393.4	80°	2321.1	2248.8	2173.3	2097.3	2146.1	2194.5	2259.6	2324.2	2325.6	1923.3
1514.2	82.5°	1539.5	1564.9	1571.2	1577.5	1611.9	1646.2	1677.9	1709.5	1690.5	1347.0
775.2	85°	845.3	915.3	948.3	980.9	1019.3	1057.7	1091.6	1125.5	1100.6	845.3
345.8	87.5°	399.6	452.9	454.3	455.6	462.9	470.1	483.7	497.2	465.6	359.3
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):**

325°		330°	335°	340°	345°	350°	355°	360°
11779.4	0°	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4	11779.4
11959.3	2.5°	12058.7	12162.7	12266.7	12369.7	12473.2	12570.4	12667.6
12132.0	5°	12333.1	12548.3	12763.9	12977.7	13191.9	13406.6	13621.3
12298.8	7.5°	12579.5	12898.1	13216.8	13544.1	13871.3	14225.2	14579.6
12447.5	10°	12779.2	13166.6	13553.5	13985.7	14418.2	14866.2	15314.1
12511.2	12.5°	12886.8	13343.4	13799.9	14289.9	14779.8	15271.6	15763.9
12461.9	15°	12896.8	13422.5	13948.1	14479.7	15011.3	15524.3	16037.3
12247.2	17.5°	12770.2	13380.4	13990.6	14570.6	15150.5	15670.8	16191.0
11877.0	20°	12525.2	13264.7	14004.2	14641.5	15278.9	15819.9	16360.5
11442.7	22.5°	12223.3	13122.8	14022.3	14737.4	15452.0	16004.8	16557.2
10957.6	25°	11872.1	12982.7	14093.7	14910.9	15727.7	16268.8	16810.3
10514.2	27.5°	11535.3	12889.1	14242.9	15182.1	16121.0	16637.6	17153.8
10143.6	30°	11242.4	12845.2	14447.2	15533.3	16619.5	17118.1	17617.1
9824.0	32.5°	10957.6	12791.0	14623.5	15899.9	17176.4	17670.0	18164.1
9509.9	35°	10625.9	12688.8	14752.7	16317.6	17882.4	18355.7	18828.5
9140.1	37.5°	10198.3	12513.9	14829.6	16785.4	18741.3	19344.3	19947.2
8698.9	40°	9668.5	12273.0	14877.9	17379.4	19880.3	20759.0	21637.8
8212.1	42.5°	9080.0	12024.4	14969.7	18156.4	21343.0	22611.4	23879.7
7695.0	45°	8456.2	11793.4	15131.1	19178.8	23226.6	24937.4	26648.3
7286.0	47.5°	7963.5	11602.7	15241.8	20268.2	25294.5	27702.8	30110.7
7014.3	50°	7620.0	11394.7	15169.5	21278.9	27388.2	31018.8	34648.9
6835.3	52.5°	7363.3	11043.5	14724.3	21935.2	29145.7	34502.0	39858.3
6705.6	55°	7118.3	10461.3	13804.4	21790.5	29776.2	37590.1	45404.5
6551.9	57.5°	6843.4	9640.5	12437.1	20772.6	29108.6	39778.8	50448.9
6316.9	60°	6546.0	8574.6	10603.3	18878.2	27153.2	40325.7	53497.7
5908.2	62.5°	6060.6	7299.1	8537.6	16316.7	24095.8	38022.7	51949.6
5501.4	65°	5573.3	6151.4	6729.5	13703.2	20677.2	34764.1	48851.1
4924.2	67.5°	4884.0	5048.5	5212.6	11143.0	17073.4	30886.3	44699.3
4228.1	70°	4041.9	3995.3	3948.3	8773.5	13598.7	26655.1	39711.4
3593.0	72.5°	3329.1	3187.1	3045.6	6707.4	10369.1	22068.1	33767.5
2917.3	75°	2621.7	2493.3	2364.9	4868.2	7371.4	16809.8	26248.3
2282.7	77.5°	1995.6	1907.9	1820.7	3298.8	4776.8	11765.4	18753.9
1680.6	80°	1437.4	1401.2	1365.1	2125.4	2886.1	7580.2	12274.4
1168.0	82.5°	989.0	981.8	975.4	1307.2	1639.9	4387.2	7135.0
714.2	85°	583.1	586.7	589.9	698.8	808.2	1973.5	3139.2
305.6	87.5°	252.2	255.4	258.6	289.7	320.9	646.4	971.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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