

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: P957188

Luminaire Tested: **GALN-SB9C-840-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P957188  
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-SB9C-840-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

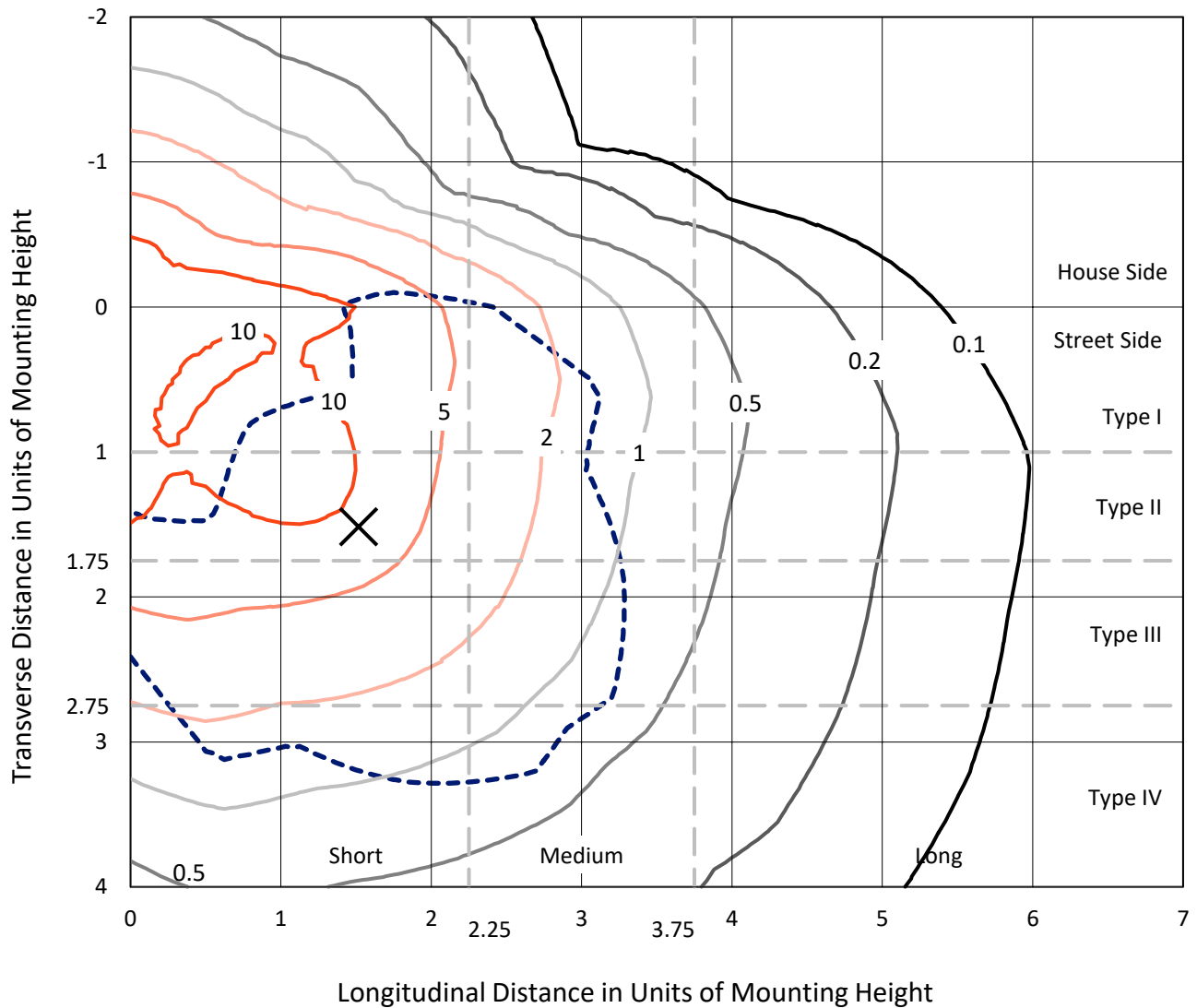
Lumens per Lamp: N/A  
Luminaire Lumens: 65014 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): 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

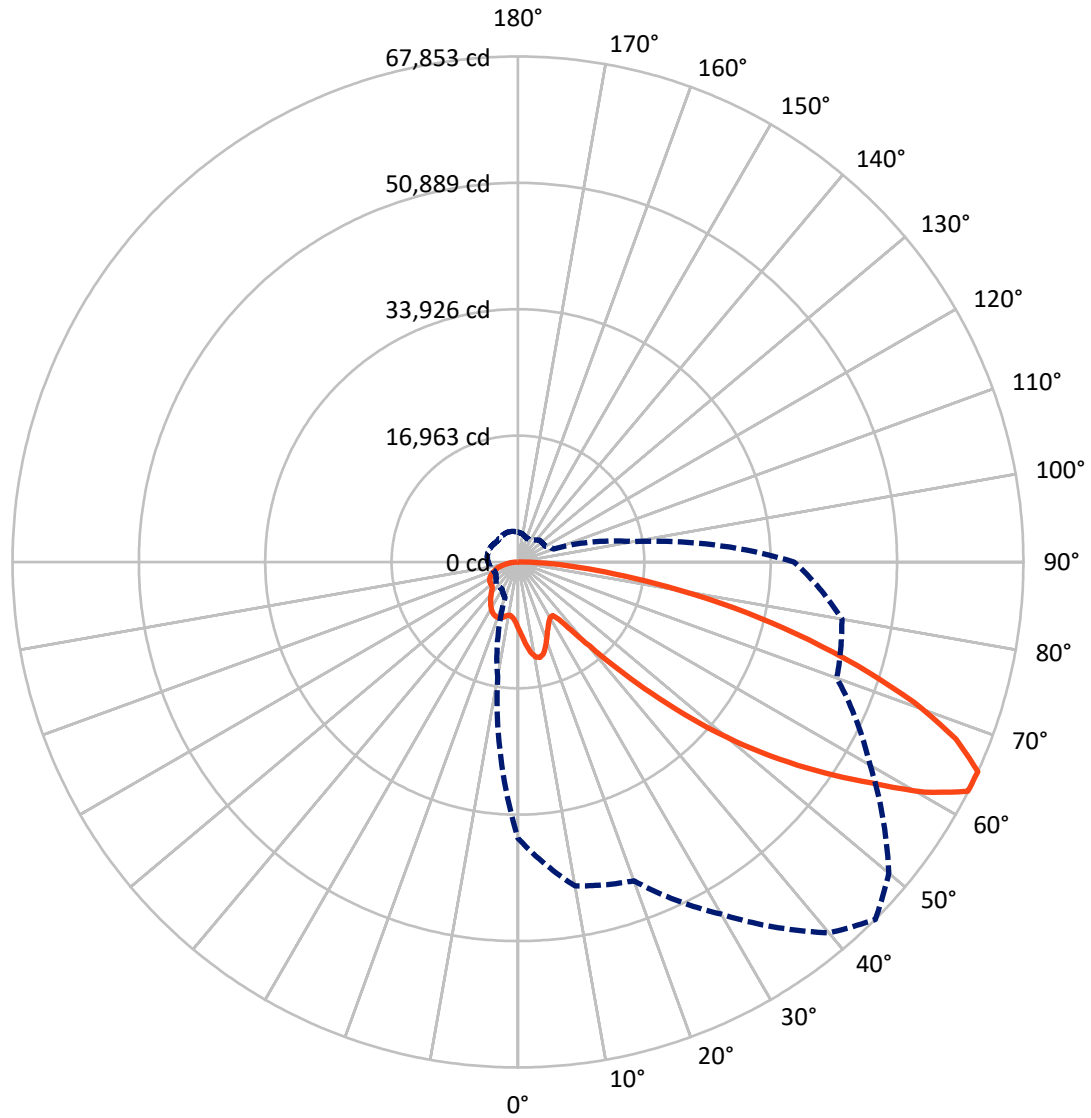
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.8 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	16523.3	0.0	16523.3
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	48490.7	0.0	48490.7
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	65014.0	0.0	65014.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	886.8	1.4
10°-20°	2784.0	4.3
20°-30°	4300.3	6.6
30°-40°	5449.5	8.4
40°-50°	8219.3	12.6
50°-60°	13279.4	20.4
60°-70°	16554.9	25.5
70°-80°	10855.9	16.7
80°-90°	2683.8	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°	65014.0	100.0
0°-180°	65014.0	100.0

**Coefficient of Utilization**



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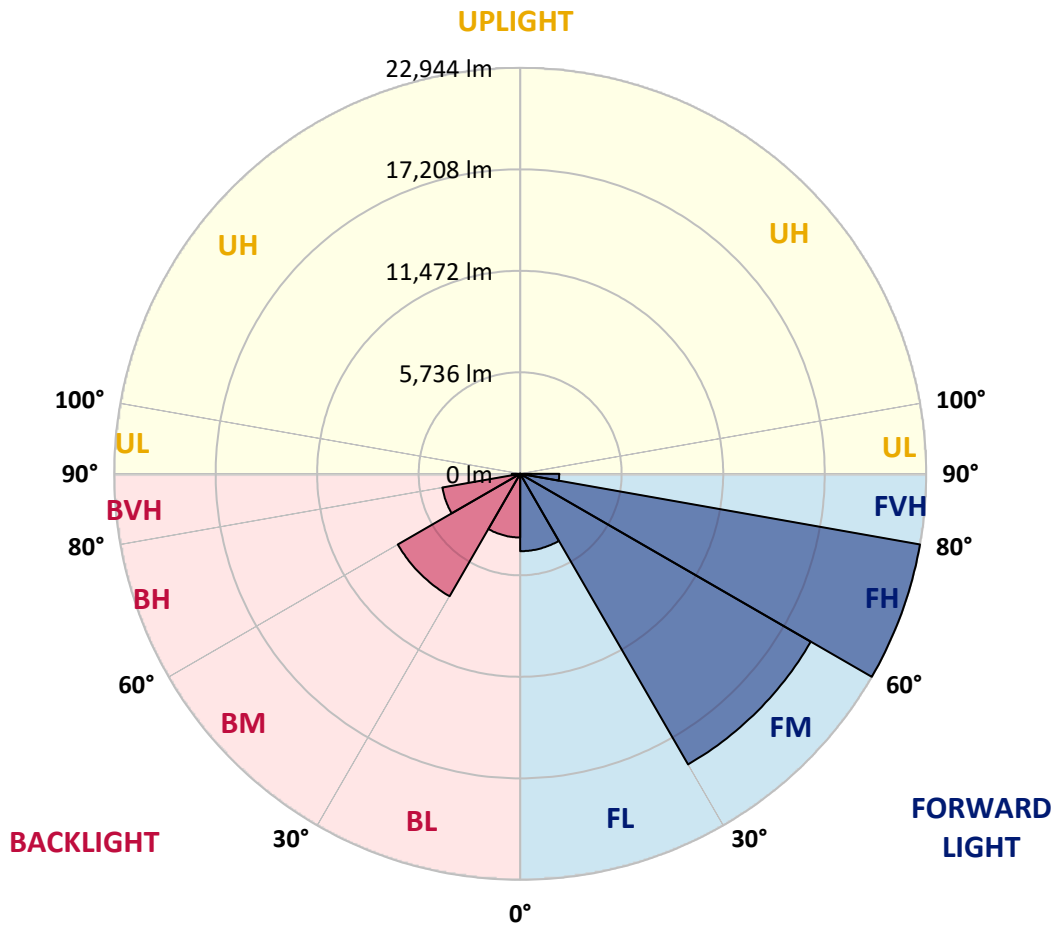
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4372.9	6.7			
FM (30°-60°)	18963.2	29.2			
FH (60°-80°)	22943.7	35.3			G5
FVH (80°-90°)	2210.9	3.4			G5
BL (0°-30°)	3598.1	5.5	B4/5000		
BM (30°-60°)	7985.1	12.3	B4/8500		
BH (60°-80°)	4467.1	6.9	B4/5000		G4/5000
BVH (80°-90°)	472.9	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
2.5°	9614.1	9650.4	9687.2	9739.0	9790.8	9821.6	9852.5	9867.9	9883.4	9876.5
5°	10337.9	10465.2	10592.8	10719.1	10845.6	10914.3	10982.9	11024.4	11066.2	11097.8
7.5°	11065.2	11272.4	11479.3	11665.5	11851.8	11964.0	12076.2	12136.9	12197.3	12226.4
10°	11622.7	11867.6	12112.5	12331.1	12549.6	12682.0	12813.7	12872.8	12931.4	12953.7
12.5°	11964.0	12229.5	12494.7	12692.3	12889.2	12985.3	13081.3	13113.6	13145.8	13149.3
15°	12171.6	12400.7	12629.5	12753.4	12877.6	12881.0	12884.4	12850.1	12815.8	12775.3
17.5°	12288.2	12442.9	12597.6	12600.0	12602.1	12463.1	12324.2	12196.9	12069.3	11979.4
20°	12416.8	12470.7	12524.9	12361.9	12199.0	11892.3	11585.6	11362.3	11139.0	11001.7
22.5°	12566.1	12495.4	12424.7	12087.2	11749.6	11298.5	10847.4	10568.1	10288.9	10137.2
25°	12758.2	12535.2	12312.2	11799.7	11287.2	10739.3	10191.4	9897.8	9604.8	9461.4
27.5°	13018.9	12620.3	12221.3	11542.4	10863.8	10256.6	9649.4	9360.6	9072.1	8936.6
30°	13370.5	12776.0	12181.8	11346.2	10510.5	9877.9	9245.3	8977.4	8709.5	8583.2
32.5°	13785.6	12971.6	12157.8	11212.4	10266.9	9672.4	9077.9	8867.6	8657.0	8566.1
35°	14289.9	13293.7	12297.8	11312.5	10327.6	9914.6	9501.9	9452.9	9403.8	9396.2
37.5°	15139.0	13967.1	12795.2	11899.9	11004.5	10977.7	10951.0	11175.3	11399.7	11516.3
40°	16422.0	15147.5	13873.1	13207.2	12541.4	13011.3	13481.3	14026.8	14572.2	14843.9
42.5°	18123.5	16859.0	15594.5	15211.0	14827.5	15852.5	16877.6	17869.7	18861.8	19444.3
45°	20224.7	19088.9	17952.7	17783.6	17614.1	19256.3	20898.8	22529.0	24159.6	25149.3
47.5°	22852.5	21747.6	20642.2	20607.9	20573.6	22942.8	25311.2	27697.8	30084.1	31485.5
50°	26296.8	24931.8	23567.1	23572.9	23578.8	26632.0	29685.1	32835.4	35985.7	37890.3
52.5°	30250.5	28597.7	26945.2	26778.1	26610.7	30257.7	33904.7	37802.5	41699.9	43982.9
55°	34459.8	32826.8	31193.9	30542.4	29891.0	33950.0	38008.7	42655.3	47302.0	50017.3
57.5°	38288.2	37399.1	36509.5	35202.8	33896.5	37994.9	42093.4	47356.5	52619.3	55986.4
60°	40602.1	41983.3	43364.8	41742.1	40119.5	43998.0	47876.6	53511.6	59146.6	62785.7
62.5°	39427.2	43201.1	46975.1	46792.2	46609.0	50162.0	53715.4	59076.6	64437.5	67801.2
65°	37075.6	40617.6	44159.6	44860.5	45561.0	50076.3	54591.9	59790.5	64988.8	67852.6
67.5°	33924.6	37293.4	40662.2	40990.8	41319.1	46023.8	50728.1	55949.0	61169.9	63413.5
70°	30139.0	33803.2	37467.7	37614.5	37761.7	41968.9	46175.7	50668.7	55161.4	56408.4
72.5°	25627.8	29832.7	34037.8	34143.5	34248.8	37540.4	40832.0	44197.0	47561.7	47687.9
75°	19921.1	24273.1	28625.1	29015.8	29406.6	31967.5	34528.4	36897.2	39266.0	38631.3
77.5°	14233.3	18295.8	22358.5	22917.7	23476.9	25423.7	27370.6	29050.5	30730.8	29639.9
80°	9315.6	12733.5	16151.0	16846.0	17541.0	19011.4	20481.0	21363.3	22245.3	20490.6
82.5°	5415.1	7751.6	10088.5	10864.9	11641.5	12653.5	13665.6	14033.6	14401.4	13022.3
85°	2382.5	3622.6	4862.8	5523.2	6183.5	7015.1	7846.3	8055.2	8264.2	7159.5
87.5°	737.6	1154.4	1571.2	1939.6	2308.1	2723.8	3139.6	3157.5	3175.0	2665.5
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°
8940.0	0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
9883.4	2.5°	9867.9	9852.5	9821.6	9790.8	9739.0	9687.2	9650.4	9614.1	9540.3	9466.6
11066.2	5°	11024.4	10982.9	10914.3	10845.6	10719.1	10592.8	10465.2	10337.9	10175.0	10012.0
12197.3	7.5°	12136.9	12076.2	11964.0	11851.8	11665.5	11479.3	11272.4	11065.2	10796.2	10527.6
12931.4	10°	12872.8	12813.7	12682.0	12549.6	12331.1	12112.5	11867.6	11622.7	11282.7	10942.7
13145.8	12.5°	13113.6	13081.3	12985.3	12889.2	12692.3	12494.7	12229.5	11964.0	11590.4	11217.2
12815.8	15°	12850.1	12884.4	12881.0	12877.6	12753.4	12629.5	12400.7	12171.6	11782.2	11392.8
12069.3	17.5°	12196.9	12324.2	12463.1	12602.1	12600.0	12597.6	12442.9	12288.2	11893.3	11498.5
11139.0	20°	11362.3	11585.6	11892.3	12199.0	12361.9	12524.9	12470.7	12416.8	12006.5	11595.9
10288.9	22.5°	10568.1	10847.4	11298.5	11749.6	12087.2	12424.7	12495.4	12566.1	12146.9	11727.3
9604.8	25°	9897.8	10191.4	10739.3	11287.2	11799.7	12312.2	12535.2	12758.2	12347.2	11936.6
9072.1	27.5°	9360.6	9649.4	10256.6	10863.8	11542.4	12221.3	12620.3	13018.9	12627.1	12235.0
8709.5	30°	8977.4	9245.3	9877.9	10510.5	11346.2	12181.8	12776.0	13370.5	12991.8	12613.4
8657.0	32.5°	8867.6	9077.9	9672.4	10266.9	11212.4	12157.8	12971.6	13785.6	13410.7	13036.0
9403.8	35°	9452.9	9501.9	9914.6	10327.6	11312.5	12297.8	13293.7	14289.9	13931.1	13571.9
11399.7	37.5°	11175.3	10951.0	10977.7	11004.5	11899.9	12795.2	13967.1	15139.0	14681.3	14223.7
14572.2	40°	14026.8	13481.3	13011.3	12541.4	13207.2	13873.1	15147.5	16422.0	15755.1	15088.2
18861.8	42.5°	17869.7	16877.6	15852.5	14827.5	15211.0	15594.5	16859.0	18123.5	17160.9	16198.3
24159.6	45°	22529.0	20898.8	19256.3	17614.1	17783.6	17952.7	19088.9	20224.7	18926.3	17627.8
30084.1	47.5°	27697.8	25311.2	22942.8	20573.6	20607.9	20642.2	21747.6	22852.5	21025.1	19197.3
35985.7	50°	32835.4	29685.1	26632.0	23578.8	23572.9	23567.1	24931.8	26296.8	23541.7	20786.3
41699.9	52.5°	37802.5	33904.7	30257.7	26610.7	26778.1	26945.2	28597.7	30250.5	26185.3	22120.1
47302.0	55°	42655.3	38008.7	33950.0	29891.0	30542.4	31193.9	32826.8	34459.8	28529.0	22598.7
52619.3	57.5°	47356.5	42093.4	37994.9	33896.5	35202.8	36509.5	37399.1	38288.2	30190.1	22092.0
59146.6	60°	53511.6	47876.6	43998.0	40119.5	41742.1	43364.8	41983.3	40602.1	30605.2	20607.9
64437.5	62.5°	59076.6	53715.4	50162.0	46609.0	46792.2	46975.1	43201.1	39427.2	28857.4	18287.5
64988.8	65°	59790.5	54591.9	50076.3	45561.0	44860.5	44159.6	40617.6	37075.6	26384.3	15693.0
61169.9	67.5°	55949.0	50728.1	46023.8	41319.1	40990.8	40662.2	37293.4	33924.6	23441.2	12957.8
55161.4	70°	50668.7	46175.7	41968.9	37761.7	37614.5	37467.7	33803.2	30139.0	20229.9	10320.8
47561.7	72.5°	44197.0	40832.0	37540.4	34248.8	34143.5	34037.8	29832.7	25627.8	16748.6	7869.7
39266.0	75°	36897.2	34528.4	31967.5	29406.6	29015.8	28625.1	24273.1	19921.1	12757.8	5594.5
30730.8	77.5°	29050.5	27370.6	25423.7	23476.9	22917.7	22358.5	18295.8	14233.3	8929.4	3625.4
22245.3	80°	21363.3	20481.0	19011.4	17541.0	16846.0	16151.0	12733.5	9315.6	5753.0	2190.4
14401.4	82.5°	14033.6	13665.6	12653.5	11641.5	10864.9	10088.5	7751.6	5415.1	3329.7	1244.6
8264.2	85°	8055.2	7846.3	7015.1	6183.5	5523.2	4862.8	3622.6	2382.5	1497.8	613.4
3175.0	87.5°	3157.5	3139.6	2723.8	2308.1	1939.6	1571.2	1154.4	737.6	490.6	243.6
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°
8940.0	0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
9388.0	2.5°	9309.8	9230.9	9152.0	9076.5	9001.0	8928.0	8846.7	8780.8	8715.3	8655.9
9849.4	5°	9687.2	9523.5	9360.2	9207.6	9054.9	8910.8	8768.5	8644.3	8519.7	8415.5
10279.3	7.5°	10030.9	9789.0	9547.2	9334.2	9121.1	8924.5	8740.3	8575.0	8410.0	8272.7
10614.4	10°	10286.5	9992.8	9698.8	9447.0	9194.5	8952.0	8754.0	8579.8	8405.5	8268.3
10845.3	12.5°	10473.4	10127.0	9780.5	9495.4	9210.3	8955.4	8771.2	8628.5	8486.5	8395.2
10989.4	15°	10586.0	10187.0	9788.0	9458.0	9128.0	8845.6	8698.1	8629.9	8561.9	8574.3
11058.3	17.5°	10618.2	10155.1	9692.0	9295.0	8898.1	8566.1	8475.1	8500.2	8524.9	8674.5
11112.2	20°	10628.5	10067.3	9506.0	9014.1	8522.1	8135.5	8111.5	8228.1	8344.8	8604.5
11184.9	22.5°	10642.2	9959.5	9276.9	8684.4	8092.0	7651.8	7698.8	7871.4	8043.9	8340.3
11316.7	25°	10696.4	9853.2	9010.3	8316.3	7622.7	7171.5	7298.5	7497.4	7696.4	7963.0
11522.5	27.5°	10809.6	9782.2	8754.7	7979.8	7204.8	6794.2	6948.6	7140.7	7332.8	7552.0
11789.0	30°	10964.7	9748.9	8532.4	7698.5	6864.5	6519.7	6640.8	6793.2	6946.2	7128.0
12067.3	32.5°	11098.5	9707.7	8316.3	7455.9	6595.2	6317.3	6371.2	6461.4	6551.6	6696.8
12384.2	35°	11196.6	9630.2	8064.5	7217.5	6370.5	6138.9	6116.7	6141.4	6166.4	6277.2
12739.3	37.5°	11254.9	9497.4	7740.0	6936.9	6133.8	5931.4	5849.8	5822.3	5794.9	5874.5
13190.1	40°	11291.6	9314.6	7337.9	6602.1	5866.2	5682.7	5557.5	5495.4	5433.3	5490.6
13779.8	42.5°	11361.3	9125.9	6891.3	6232.6	5573.9	5404.8	5247.0	5164.7	5082.3	5129.0
14555.8	45°	11483.7	8950.6	6417.9	5840.1	5262.4	5090.9	4938.3	4858.0	4778.1	4817.2
15382.5	47.5°	11567.8	8805.9	6043.9	5529.7	5015.4	4794.2	4662.8	4595.6	4528.3	4565.4
16149.6	50°	11512.9	8648.0	5783.2	5323.5	4863.8	4572.9	4420.2	4360.6	4301.2	4358.8
16647.7	52.5°	11175.0	8381.5	5588.3	5187.7	4787.3	4452.8	4239.5	4180.5	4121.8	4208.6
16537.9	55°	10476.9	7939.6	5402.4	5089.2	4776.0	4464.8	4143.4	4050.1	3957.1	4080.3
15765.4	57.5°	9439.1	7316.7	5193.8	4972.6	4751.3	4476.9	4085.8	3949.9	3814.1	3946.5
14327.6	60°	8047.4	6507.7	4968.1	4794.2	4620.3	4439.1	4031.6	3855.6	3679.3	3795.5
12383.6	62.5°	6479.6	5539.6	4599.7	4484.1	4368.8	4346.5	3968.4	3748.2	3528.3	3602.1
10400.0	65°	5107.4	4668.6	4229.9	4175.3	4120.8	4123.5	3835.3	3601.4	3367.1	3395.5
8457.0	67.5°	3956.1	3831.6	3706.7	3737.2	3767.4	3759.9	3597.9	3403.1	3208.2	3199.3
6658.7	70°	2996.6	3032.3	3067.6	3208.9	3349.9	3349.9	3296.7	3158.2	3019.6	2988.7
5090.6	72.5°	2311.5	2418.9	2526.6	2726.9	2926.9	2960.6	2961.2	2866.2	2771.2	2725.9
3694.7	75°	1794.9	1892.3	1989.7	2214.1	2438.4	2593.5	2580.5	2507.4	2434.0	2390.7
2503.6	77.5°	1381.8	1448.0	1514.6	1732.4	1950.3	2205.8	2199.0	2140.3	2081.7	2037.7
1613.0	80°	1036.0	1063.5	1090.9	1275.5	1459.7	1765.0	1764.0	1714.9	1665.5	1628.8
992.1	82.5°	740.3	745.1	750.6	886.5	1022.3	1283.0	1297.4	1273.4	1249.4	1223.3
530.4	85°	447.7	445.3	442.5	542.0	641.5	835.3	854.2	828.5	802.7	773.6
219.9	87.5°	196.2	193.8	191.4	231.9	272.7	353.3	377.4	367.1	356.8	351.3
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
8940.0	0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
8596.9	2.5°	8545.1	8493.3	8441.2	8389.4	8349.2	8308.8	8276.2	8243.6	8218.2	8192.8
8311.5	5°	8219.6	8127.6	8044.3	7960.6	7896.4	7831.9	7787.0	7742.0	7710.1	7678.2
8135.5	7.5°	8019.9	7904.0	7801.7	7699.8	7623.3	7547.2	7493.7	7440.2	7403.4	7367.1
8131.1	10°	8006.5	7881.7	7766.7	7651.8	7560.6	7469.0	7409.3	7348.9	7314.3	7279.6
8304.6	12.5°	8206.5	8109.1	7990.1	7871.4	7754.7	7638.1	7560.9	7483.7	7445.0	7406.5
8586.6	15°	8561.3	8535.9	8432.6	8329.3	8163.3	7997.3	7879.9	7762.6	7708.8	7655.2
8824.0	17.5°	8903.6	8982.9	8899.5	8816.5	8596.6	8376.7	8203.8	8030.9	7951.3	7871.4
8864.5	20°	9030.9	9197.3	9158.9	9120.1	8868.6	8617.5	8405.5	8193.8	8092.0	7989.7
8637.4	22.5°	8853.9	9070.3	9093.7	9116.7	8876.5	8636.4	8418.2	8199.7	8092.3	7984.6
8229.9	25°	8442.9	8655.9	8735.5	8814.8	8617.9	8421.3	8227.1	8033.6	7940.3	7847.4
7770.9	27.5°	7941.7	8112.5	8201.0	8289.9	8149.6	8009.6	7859.0	7708.4	7646.0	7583.2
7309.8	30°	7451.5	7593.5	7665.5	7737.6	7630.9	7523.9	7416.1	7307.7	7275.8	7243.6
6842.2	32.5°	6978.1	7114.3	7194.2	7274.5	7176.3	7077.9	6991.8	6905.7	6884.7	6863.8
6387.7	35°	6522.1	6657.0	6753.0	6849.1	6779.1	6709.4	6629.9	6550.6	6518.7	6487.1
5953.7	37.5°	6087.8	6222.3	6341.0	6459.7	6427.5	6395.2	6322.1	6248.7	6190.8	6133.1
5547.9	40°	5677.5	5807.2	5943.8	6080.6	6088.5	6096.1	6034.0	5971.9	5887.5	5803.8
5176.0	42.5°	5298.8	5422.0	5569.5	5717.0	5756.4	5795.9	5743.4	5691.3	5586.6	5482.0
4857.0	45°	4973.6	5090.2	5243.2	5396.2	5452.8	5509.4	5462.1	5415.1	5295.4	5176.0
4602.1	47.5°	4716.3	4830.2	4981.1	5132.1	5197.3	5262.4	5229.5	5196.6	5090.2	4983.9
4416.8	50°	4524.5	4631.9	4767.1	4902.2	4985.9	5069.7	5067.6	5066.2	4981.1	4896.1
4295.0	52.5°	4393.8	4492.3	4618.2	4744.4	4843.6	4942.7	4960.6	4978.4	4909.1	4839.8
4203.1	55°	4309.4	4415.8	4526.3	4636.4	4741.3	4846.7	4871.4	4896.1	4835.7	4775.3
4078.9	57.5°	4203.8	4328.7	4437.7	4547.2	4653.2	4758.8	4783.9	4808.9	4747.9	4686.8
3911.5	60°	4054.9	4198.3	4309.1	4420.2	4526.6	4632.9	4660.4	4687.8	4628.1	4568.8
3675.8	62.5°	3842.9	4010.3	4128.7	4247.0	4344.4	4441.9	4468.3	4494.7	4440.8	4387.0
3423.7	65°	3602.8	3782.2	3895.4	4008.6	4094.3	4180.1	4207.2	4234.0	4182.2	4130.4
3190.4	67.5°	3355.8	3521.4	3628.8	3735.9	3810.0	3884.1	3910.5	3936.5	3888.9	3841.5
2957.8	70°	3103.3	3248.7	3341.3	3434.0	3500.9	3567.8	3593.1	3618.5	3579.8	3541.0
2681.0	72.5°	2795.5	2909.8	2993.5	3077.2	3142.7	3208.2	3238.4	3268.6	3236.4	3204.1
2347.2	75°	2432.3	2517.3	2593.1	2669.0	2728.7	2788.3	2819.9	2851.5	2835.7	2819.9
1993.8	77.5°	2063.1	2132.1	2197.3	2262.4	2325.2	2387.7	2417.2	2446.7	2424.7	2402.1
1591.8	80°	1649.4	1706.7	1761.6	1816.5	1864.2	1911.5	1950.6	1989.7	1980.1	1970.8
1197.3	82.5°	1192.5	1187.7	1168.4	1149.2	1250.8	1352.3	1418.9	1485.4	1481.3	1476.8
744.4	85°	719.7	694.7	641.5	588.3	683.4	778.7	861.1	943.4	936.5	929.7
345.8	87.5°	344.8	343.7	303.3	262.4	302.2	342.4	375.6	408.9	400.7	391.8
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
8940.0	0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
8169.5	2.5°	8145.8	8116.7	8145.8	8169.5	8192.8	8218.2	8243.6	8276.2	8308.8	8349.2
7653.9	5°	7629.5	7605.5	7629.5	7653.9	7678.2	7710.1	7742.0	7787.0	7831.9	7896.4
7345.1	7.5°	7323.5	7307.0	7323.5	7345.1	7367.1	7403.4	7440.2	7493.7	7547.2	7623.3
7261.1	10°	7242.6	7235.0	7242.6	7261.1	7279.6	7314.3	7348.9	7409.3	7469.0	7560.6
7390.8	12.5°	7375.0	7372.2	7375.0	7390.8	7406.5	7445.0	7483.7	7560.9	7638.1	7754.7
7634.7	15°	7614.1	7612.4	7614.1	7634.7	7655.2	7708.8	7762.6	7879.9	7997.3	8163.3
7845.3	17.5°	7818.9	7814.8	7818.9	7845.3	7871.4	7951.3	8030.9	8203.8	8376.7	8596.6
7957.1	20°	7924.5	7914.3	7924.5	7957.1	7989.7	8092.0	8193.8	8405.5	8617.5	8868.6
7948.6	22.5°	7912.5	7897.1	7912.5	7948.6	7984.6	8092.3	8199.7	8418.2	8636.4	8876.5
7813.4	25°	7779.8	7759.9	7779.8	7813.4	7847.4	7940.3	8033.6	8227.1	8421.3	8617.9
7567.8	27.5°	7552.3	7547.2	7552.3	7567.8	7583.2	7646.0	7708.4	7859.0	8009.6	8149.6
7243.6	30°	7243.6	7248.7	7243.6	7243.6	7243.6	7275.8	7307.7	7416.1	7523.9	7630.9
6866.6	32.5°	6869.7	6874.8	6869.7	6866.6	6863.8	6884.7	6905.7	6991.8	7077.9	7176.3
6480.3	35°	6473.4	6470.0	6473.4	6480.3	6487.1	6518.7	6550.6	6629.9	6709.4	6779.1
6102.6	37.5°	6072.1	6054.9	6072.1	6102.6	6133.1	6190.8	6248.7	6322.1	6395.2	6427.5
5746.8	40°	5690.6	5657.0	5690.6	5746.8	5803.8	5887.5	5971.9	6034.0	6096.1	6088.5
5399.3	42.5°	5316.6	5262.4	5316.6	5399.3	5482.0	5586.6	5691.3	5743.4	5795.9	5756.4
5078.9	45°	4981.8	4919.4	4981.8	5078.9	5176.0	5295.4	5415.1	5462.1	5509.4	5452.8
4894.0	47.5°	4804.5	4744.4	4804.5	4894.0	4983.9	5090.2	5196.6	5229.5	5262.4	5197.3
4813.0	50°	4730.0	4672.4	4730.0	4813.0	4896.1	4981.1	5066.2	5067.6	5069.7	4985.9
4765.4	52.5°	4691.3	4638.1	4691.3	4765.4	4839.8	4909.1	4978.4	4960.6	4942.7	4843.6
4710.1	55°	4644.9	4596.9	4644.9	4710.1	4775.3	4835.7	4896.1	4871.4	4846.7	4741.3
4622.3	57.5°	4557.5	4507.7	4557.5	4622.3	4686.8	4747.9	4808.9	4783.9	4758.8	4653.2
4502.2	60°	4435.7	4384.2	4435.7	4502.2	4568.8	4628.1	4687.8	4660.4	4632.9	4526.6
4317.0	62.5°	4247.0	4185.3	4247.0	4317.0	4387.0	4440.8	4494.7	4468.3	4441.9	4344.4
4062.4	65°	3994.9	3941.7	3994.9	4062.4	4130.4	4182.2	4234.0	4207.2	4180.1	4094.3
3778.4	67.5°	3715.3	3667.2	3715.3	3778.4	3841.5	3888.9	3936.5	3910.5	3884.1	3810.0
3480.6	70°	3420.2	3365.4	3420.2	3480.6	3541.0	3579.8	3618.5	3593.1	3567.8	3500.9
3146.5	72.5°	3089.2	3036.0	3089.2	3146.5	3204.1	3236.4	3268.6	3238.4	3208.2	3142.7
2771.5	75°	2723.2	2672.4	2723.2	2771.5	2819.9	2835.7	2851.5	2819.9	2788.3	2728.7
2353.3	77.5°	2304.6	2264.2	2304.6	2353.3	2402.1	2424.7	2446.7	2417.2	2387.7	2325.2
1905.3	80°	1839.5	1763.3	1839.5	1905.3	1970.8	1980.1	1989.7	1950.6	1911.5	1864.2
1421.6	82.5°	1366.0	1317.3	1366.0	1421.6	1476.8	1481.3	1485.4	1418.9	1352.3	1250.8
886.5	85°	843.2	799.3	843.2	886.5	929.7	936.5	943.4	861.1	778.7	683.4
369.8	87.5°	347.2	325.9	347.2	369.8	391.8	400.7	408.9	375.6	342.4	302.2
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°
8940.0	0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
8389.4	2.5°	8441.2	8493.3	8545.1	8596.9	8655.9	8715.3	8780.8	8846.7	8928.0	9001.0
7960.6	5°	8044.3	8127.6	8219.6	8311.5	8415.5	8519.7	8644.3	8768.5	8910.8	9054.9
7699.8	7.5°	7801.7	7904.0	8019.9	8135.5	8272.7	8410.0	8575.0	8740.3	8924.5	9121.1
7651.8	10°	7766.7	7881.7	8006.5	8131.1	8268.3	8405.5	8579.8	8754.0	8952.0	9194.5
7871.4	12.5°	7990.1	8109.1	8206.5	8304.6	8395.2	8486.5	8628.5	8771.2	8955.4	9210.3
8329.3	15°	8432.6	8535.9	8561.3	8586.6	8574.3	8561.9	8629.9	8698.1	8845.6	9128.0
8816.5	17.5°	8899.5	8982.9	8903.6	8824.0	8674.5	8524.9	8500.2	8475.1	8566.1	8898.1
9120.1	20°	9158.9	9197.3	9030.9	8864.5	8604.5	8344.8	8228.1	8111.5	8135.5	8522.1
9116.7	22.5°	9093.7	9070.3	8853.9	8637.4	8340.3	8043.9	7871.4	7698.8	7651.8	8092.0
8814.8	25°	8735.5	8655.9	8442.9	8229.9	7963.0	7696.4	7497.4	7298.5	7171.5	7622.7
8289.9	27.5°	8201.0	8112.5	7941.7	7770.9	7552.0	7332.8	7140.7	6948.6	6794.2	7204.8
7737.6	30°	7665.5	7593.5	7451.5	7309.8	7128.0	6946.2	6793.2	6640.8	6519.7	6864.5
7274.5	32.5°	7194.2	7114.3	6978.1	6842.2	6696.8	6551.6	6461.4	6371.2	6317.3	6595.2
6849.1	35°	6753.0	6657.0	6522.1	6387.7	6277.2	6166.4	6141.4	6116.7	6138.9	6370.5
6459.7	37.5°	6341.0	6222.3	6087.8	5953.7	5874.5	5794.9	5822.3	5849.8	5931.4	6133.8
6080.6	40°	5943.8	5807.2	5677.5	5547.9	5490.6	5433.3	5495.4	5557.5	5682.7	5866.2
5717.0	42.5°	5569.5	5422.0	5298.8	5176.0	5129.0	5082.3	5164.7	5247.0	5404.8	5573.9
5396.2	45°	5243.2	5090.2	4973.6	4857.0	4817.2	4778.1	4858.0	4938.3	5090.9	5262.4
5132.1	47.5°	4981.1	4830.2	4716.3	4602.1	4565.4	4528.3	4595.6	4662.8	4794.2	5015.4
4902.2	50°	4767.1	4631.9	4524.5	4416.8	4358.8	4301.2	4360.6	4420.2	4572.9	4863.8
4744.4	52.5°	4618.2	4492.3	4393.8	4295.0	4208.6	4121.8	4180.5	4239.5	4452.8	4787.3
4636.4	55°	4526.3	4415.8	4309.4	4203.1	4080.3	3957.1	4050.1	4143.4	4464.8	4776.0
4547.2	57.5°	4437.7	4328.7	4203.8	4078.9	3946.5	3814.1	3949.9	4085.8	4476.9	4751.3
4420.2	60°	4309.1	4198.3	4054.9	3911.5	3795.5	3679.3	3855.6	4031.6	4439.1	4620.3
4247.0	62.5°	4128.7	4010.3	3842.9	3675.8	3602.1	3528.3	3748.2	3968.4	4346.5	4368.8
4008.6	65°	3895.4	3782.2	3602.8	3423.7	3395.5	3367.1	3601.4	3835.3	4123.5	4120.8
3735.9	67.5°	3628.8	3521.4	3355.8	3190.4	3199.3	3208.2	3403.1	3597.9	3759.9	3767.4
3434.0	70°	3341.3	3248.7	3103.3	2957.8	2988.7	3019.6	3158.2	3296.7	3349.9	3349.9
3077.2	72.5°	2993.5	2909.8	2795.5	2681.0	2725.9	2771.2	2866.2	2961.2	2960.6	2926.9
2669.0	75°	2593.1	2517.3	2432.3	2347.2	2390.7	2434.0	2507.4	2580.5	2593.5	2438.4
2262.4	77.5°	2197.3	2132.1	2063.1	1993.8	2037.7	2081.7	2140.3	2199.0	2205.8	1950.3
1816.5	80°	1761.6	1706.7	1649.4	1591.8	1628.8	1665.5	1714.9	1764.0	1765.0	1459.7
1149.2	82.5°	1168.4	1187.7	1192.5	1197.3	1223.3	1249.4	1273.4	1297.4	1283.0	1022.3
588.3	85°	641.5	694.7	719.7	744.4	773.6	802.7	828.5	854.2	835.3	641.5
262.4	87.5°	303.3	343.7	344.8	345.8	351.3	356.8	367.1	377.4	353.3	272.7
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°
8940.0	0°	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0	8940.0
9076.5	2.5°	9152.0	9230.9	9309.8	9388.0	9466.6	9540.3	9614.1
9207.6	5°	9360.2	9523.5	9687.2	9849.4	10012.0	10175.0	10337.9
9334.2	7.5°	9547.2	9789.0	10030.9	10279.3	10527.6	10796.2	11065.2
9447.0	10°	9698.8	9992.8	10286.5	10614.4	10942.7	11282.7	11622.7
9495.4	12.5°	9780.5	10127.0	10473.4	10845.3	11217.2	11590.4	11964.0
9458.0	15°	9788.0	10187.0	10586.0	10989.4	11392.8	11782.2	12171.6
9295.0	17.5°	9692.0	10155.1	10618.2	11058.3	11498.5	11893.3	12288.2
9014.1	20°	9506.0	10067.3	10628.5	11112.2	11595.9	12006.5	12416.8
8684.4	22.5°	9276.9	9959.5	10642.2	11184.9	11727.3	12146.9	12566.1
8316.3	25°	9010.3	9853.2	10696.4	11316.7	11936.6	12347.2	12758.2
7979.8	27.5°	8754.7	9782.2	10809.6	11522.5	12235.0	12627.1	13018.9
7698.5	30°	8532.4	9748.9	10964.7	11789.0	12613.4	12991.8	13370.5
7455.9	32.5°	8316.3	9707.7	11098.5	12067.3	13036.0	13410.7	13785.6
7217.5	35°	8064.5	9630.2	11196.6	12384.2	13571.9	13931.1	14289.9
6936.9	37.5°	7740.0	9497.4	11254.9	12739.3	14223.7	14681.3	15139.0
6602.1	40°	7337.9	9314.6	11291.6	13190.1	15088.2	15755.1	16422.0
6232.6	42.5°	6891.3	9125.9	11361.3	13779.8	16198.3	17160.9	18123.5
5840.1	45°	6417.9	8950.6	11483.7	14555.8	17627.8	18926.3	20224.7
5529.7	47.5°	6043.9	8805.9	11567.8	15382.5	19197.3	21025.1	22852.5
5323.5	50°	5783.2	8648.0	11512.9	16149.6	20786.3	23541.7	26296.8
5187.7	52.5°	5588.3	8381.5	11175.0	16647.7	22120.1	26185.3	30250.5
5089.2	55°	5402.4	7939.6	10476.9	16537.9	22598.7	28529.0	34459.8
4972.6	57.5°	5193.8	7316.7	9439.1	15765.4	22092.0	30190.1	38288.2
4794.2	60°	4968.1	6507.7	8047.4	14327.6	20607.9	30605.2	40602.1
4484.1	62.5°	4599.7	5539.6	6479.6	12383.6	18287.5	28857.4	39427.2
4175.3	65°	4229.9	4668.6	5107.4	10400.0	15693.0	26384.3	37075.6
3737.2	67.5°	3706.7	3831.6	3956.1	8457.0	12957.8	23441.2	33924.6
3208.9	70°	3067.6	3032.3	2996.6	6658.7	10320.8	20229.9	30139.0
2726.9	72.5°	2526.6	2418.9	2311.5	5090.6	7869.7	16748.6	25627.8
2214.1	75°	1989.7	1892.3	1794.9	3694.7	5594.5	12757.8	19921.1
1732.4	77.5°	1514.6	1448.0	1381.8	2503.6	3625.4	8929.4	14233.3
1275.5	80°	1090.9	1063.5	1036.0	1613.0	2190.4	5753.0	9315.6
886.5	82.5°	750.6	745.1	740.3	992.1	1244.6	3329.7	5415.1
542.0	85°	442.5	445.3	447.7	530.4	613.4	1497.8	2382.5
231.9	87.5°	191.4	193.8	196.2	219.9	243.6	490.6	737.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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