

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: P956453

Luminaire Tested: **GALN-SB9A-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956453  
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-SB9A-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

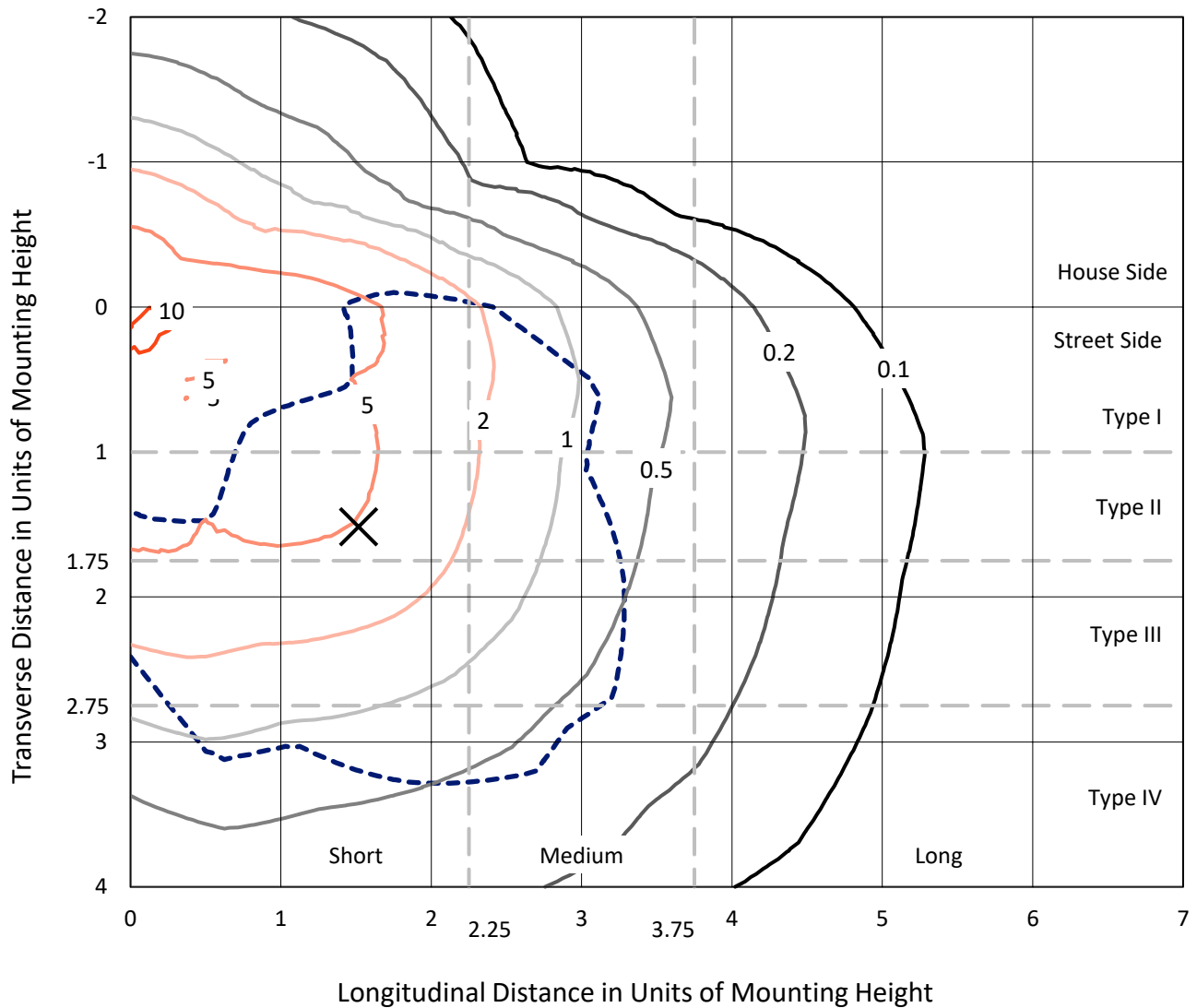
Lumens per Lamp: N/A  
Luminaire Lumens: 37762 lumens  
Efficiency: N/A  
Efficacy: 147.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

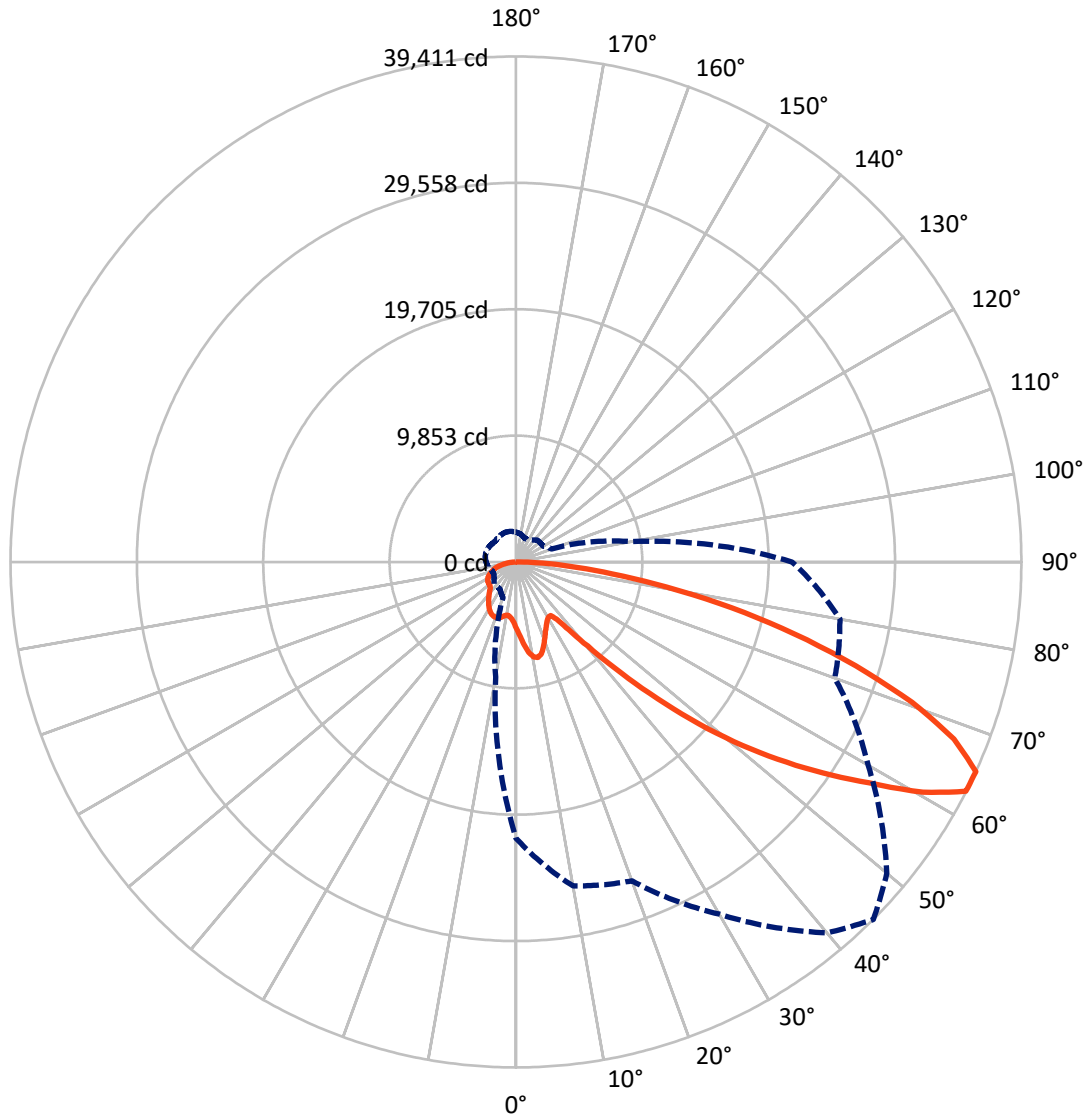
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	9597.2	0.0	9597.2
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	28164.8	0.0	28164.8
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	37762.0	0.0	37762.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	515.1	1.4
10°-20°	1617.0	4.3
20°-30°	2497.7	6.6
30°-40°	3165.2	8.4
40°-50°	4774.0	12.6
50°-60°	7713.1	20.4
60°-70°	9615.6	25.5
70°-80°	6305.4	16.7
80°-90°	1558.9	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°	37762.0	100.0
0°-180°	37762.0	100.0



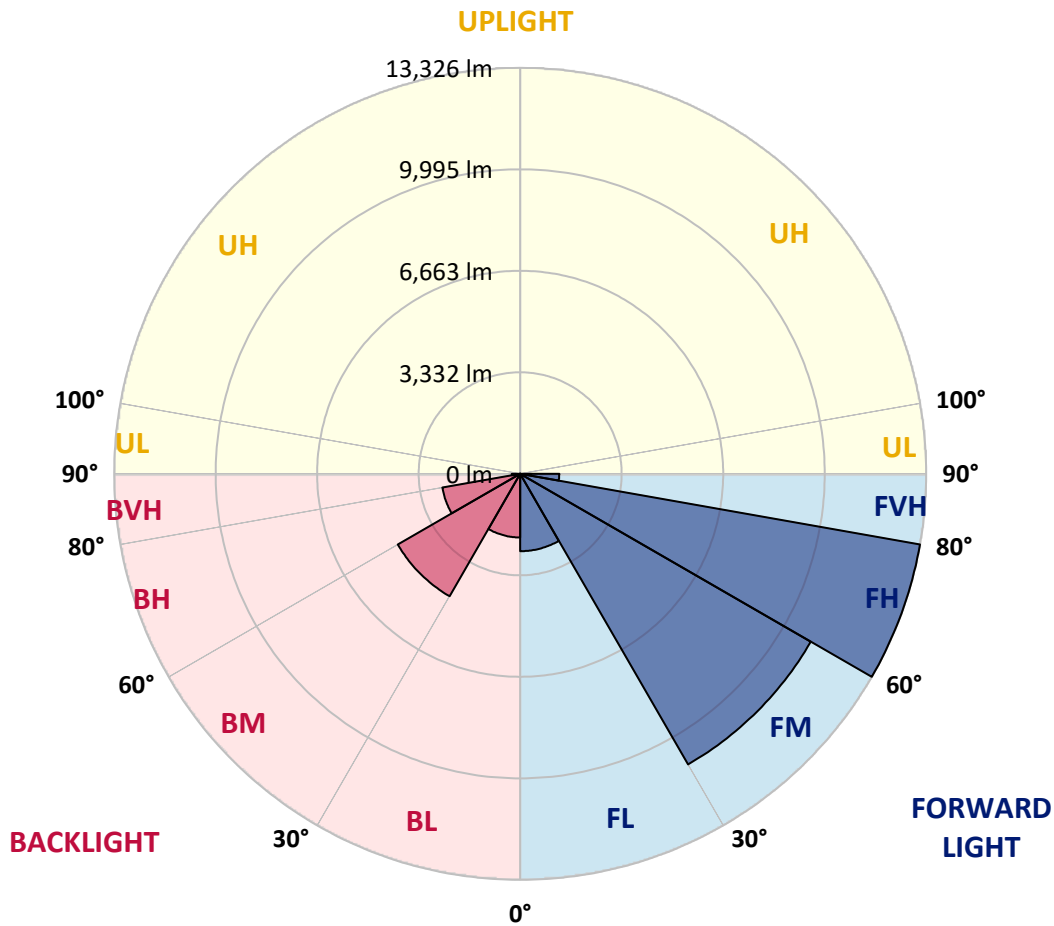
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2539.9	6.7			
FM (30°-60°)	11014.4	29.2			
FH (60°-80°)	13326.4	35.3			G5
FVH (80°-90°)	1284.2	3.4			G5
BL (0°-30°)	2089.9	5.5	B3/2500		
BM (30°-60°)	4638.0	12.3	B3/5000		
BH (60°-80°)	2594.6	6.9	B4/5000		G4/5000
BVH (80°-90°)	274.7	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°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
2.5°	5584.1	5605.3	5626.6	5656.7	5686.8	5704.7	5722.6	5731.6	5740.6	5736.6
5°	6004.6	6078.5	6152.6	6225.9	6299.5	6339.3	6379.2	6403.3	6427.6	6445.9
7.5°	6427.0	6547.3	6667.5	6775.7	6883.9	6949.0	7014.2	7049.5	7084.5	7101.5
10°	6750.8	6893.0	7035.3	7162.2	7289.2	7366.1	7442.6	7476.9	7510.9	7523.9
12.5°	6949.0	7103.3	7257.3	7372.1	7486.4	7542.2	7598.0	7616.7	7635.5	7637.5
15°	7069.6	7202.7	7335.6	7407.5	7479.7	7481.6	7483.6	7463.7	7443.8	7420.3
17.5°	7137.3	7227.2	7317.1	7318.5	7319.7	7239.0	7158.3	7084.3	7010.2	6958.0
20°	7212.1	7243.3	7274.8	7180.2	7085.5	6907.4	6729.3	6599.5	6469.8	6390.1
22.5°	7298.7	7257.7	7216.6	7020.6	6824.5	6562.5	6300.5	6138.3	5976.1	5888.0
25°	7410.3	7280.8	7151.3	6853.6	6555.9	6237.7	5919.5	5748.9	5578.8	5495.5
27.5°	7561.7	7330.2	7098.5	6704.2	6310.0	5957.3	5604.7	5436.9	5269.3	5190.6
30°	7766.0	7420.7	7075.6	6590.2	6104.8	5737.4	5369.9	5214.3	5058.7	4985.4
32.5°	8007.1	7534.3	7061.6	6512.5	5963.3	5618.0	5272.7	5150.6	5028.2	4975.4
35°	8300.0	7721.4	7142.9	6570.7	5998.6	5758.7	5519.0	5490.5	5462.0	5457.6
37.5°	8793.1	8112.5	7431.8	6911.8	6391.7	6376.2	6360.6	6490.9	6621.3	6689.0
40°	9538.4	8798.1	8057.9	7671.1	7284.4	7557.4	7830.3	8147.2	8464.0	8621.8
42.5°	10526.7	9792.2	9057.8	8835.0	8612.2	9207.6	9803.0	10379.2	10955.5	11293.8
45°	11747.1	11087.4	10427.4	10329.2	10230.8	11184.6	12138.6	13085.5	14032.6	14607.4
47.5°	13273.4	12631.6	11989.6	11969.7	11949.8	13325.8	14701.5	16087.7	17473.7	18287.7
50°	15273.9	14481.1	13688.5	13691.8	13695.2	15468.6	17242.0	19071.7	20901.5	22007.8
52.5°	17570.4	16610.3	15650.5	15553.5	15456.3	17574.5	19692.8	21956.8	24220.5	25546.6
55°	20015.2	19066.8	18118.3	17739.9	17361.5	19719.1	22076.5	24775.4	27474.4	29051.5
57.5°	22238.9	21722.4	21205.8	20446.8	19688.0	22068.6	24449.1	27506.0	30562.8	32518.5
60°	23582.9	24385.1	25187.5	24245.0	23302.5	25555.3	27808.1	31081.1	34354.1	36467.8
62.5°	22900.4	25092.5	27284.5	27178.3	27071.9	29135.5	31199.4	34313.4	37427.2	39380.9
65°	21534.5	23591.9	25649.2	26056.3	26463.1	29085.7	31708.5	34728.1	37747.4	39410.8
67.5°	19704.4	21661.1	23617.8	23808.6	23999.3	26731.9	29464.3	32496.8	35529.3	36832.4
70°	17505.6	19633.8	21762.3	21847.6	21933.1	24376.7	26820.2	29429.8	32039.3	32763.6
72.5°	14885.4	17327.7	19770.1	19831.5	19892.7	21804.5	23716.4	25670.9	27625.2	27698.5
75°	11570.8	14098.5	16626.3	16853.2	17080.2	18567.6	20055.1	21430.9	22806.8	22438.2
77.5°	8267.1	10626.7	12986.5	13311.3	13636.1	14766.8	15897.6	16873.4	17849.3	17215.7
80°	5410.8	7396.0	9381.0	9784.6	10188.3	11042.3	11896.0	12408.4	12920.7	11901.5
82.5°	3145.2	4502.4	5859.7	6310.6	6761.7	7349.5	7937.3	8151.1	8364.7	7563.7
85°	1383.8	2104.1	2824.4	3208.0	3591.6	4074.6	4557.4	4678.7	4800.1	4158.5
87.5°	428.4	670.5	912.6	1126.6	1340.6	1582.1	1823.6	1833.9	1844.1	1548.2
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°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5740.6	2.5°	5731.6	5722.6	5704.7	5686.8	5656.7	5626.6	5605.3	5584.1	5541.3	5498.5
6427.6	5°	6403.3	6379.2	6339.3	6299.5	6225.9	6152.6	6078.5	6004.6	5909.9	5815.3
7084.5	7.5°	7049.5	7014.2	6949.0	6883.9	6775.7	6667.5	6547.3	6427.0	6270.8	6114.8
7510.9	10°	7476.9	7442.6	7366.1	7289.2	7162.2	7035.3	6893.0	6750.8	6553.3	6355.9
7635.5	12.5°	7616.7	7598.0	7542.2	7486.4	7372.1	7257.3	7103.3	6949.0	6732.0	6515.3
7443.8	15°	7463.7	7483.6	7481.6	7479.7	7407.5	7335.6	7202.7	7069.6	6843.4	6617.3
7010.2	17.5°	7084.3	7158.3	7239.0	7319.7	7318.5	7317.1	7227.2	7137.3	6908.0	6678.6
6469.8	20°	6599.5	6729.3	6907.4	7085.5	7180.2	7274.8	7243.3	7212.1	6973.7	6735.2
5976.1	22.5°	6138.3	6300.5	6562.5	6824.5	7020.6	7216.6	7257.7	7298.7	7055.2	6811.6
5578.8	25°	5748.9	5919.5	6237.7	6555.9	6853.6	7151.3	7280.8	7410.3	7171.6	6933.1
5269.3	27.5°	5436.9	5604.7	5957.3	6310.0	6704.2	7098.5	7330.2	7561.7	7334.2	7106.4
5058.7	30°	5214.3	5369.9	5737.4	6104.8	6590.2	7075.6	7420.7	7766.0	7546.0	7326.2
5028.2	32.5°	5150.6	5272.7	5618.0	5963.3	6512.5	7061.6	7534.3	8007.1	7789.3	7571.7
5462.0	35°	5490.5	5519.0	5758.7	5998.6	6570.7	7142.9	7721.4	8300.0	8091.6	7882.9
6621.3	37.5°	6490.9	6360.6	6376.2	6391.7	6911.8	7431.8	8112.5	8793.1	8527.3	8261.5
8464.0	40°	8147.2	7830.3	7557.4	7284.4	7671.1	8057.9	8798.1	9538.4	9151.0	8763.7
10955.5	42.5°	10379.2	9803.0	9207.6	8612.2	8835.0	9057.8	9792.2	10526.7	9967.6	9408.4
14032.6	45°	13085.5	12138.6	11184.6	10230.8	10329.2	10427.4	11087.4	11747.1	10992.9	10238.7
17473.7	47.5°	16087.7	14701.5	13325.8	11949.8	11969.7	11989.6	12631.6	13273.4	12212.0	11150.3
20901.5	50°	19071.7	17242.0	15468.6	13695.2	13691.8	13688.5	14481.1	15273.9	13673.7	12073.3
24220.5	52.5°	21956.8	19692.8	17574.5	15456.3	15553.5	15650.5	16610.3	17570.4	15209.2	12848.0
27474.4	55°	24775.4	22076.5	19719.1	17361.5	17739.9	18118.3	19066.8	20015.2	16570.5	13126.0
30562.8	57.5°	27506.0	24449.1	22068.6	19688.0	20446.8	21205.8	21722.4	22238.9	17535.3	12831.7
34354.1	60°	31081.1	27808.1	25555.3	23302.5	24245.0	25187.5	24385.1	23582.9	17776.4	11969.7
37427.2	62.5°	34313.4	31199.4	29135.5	27071.9	27178.3	27284.5	25092.5	22900.4	16761.2	10621.9
37747.4	65°	34728.1	31708.5	29085.7	26463.1	26056.3	25649.2	23591.9	21534.5	15324.7	9114.9
35529.3	67.5°	32496.8	29464.3	26731.9	23999.3	23808.6	23617.8	21661.1	19704.4	13615.3	7526.3
32039.3	70°	29429.8	26820.2	24376.7	21933.1	21847.6	21762.3	19633.8	17505.6	11750.1	5994.6
27625.2	72.5°	25670.9	23716.4	21804.5	19892.7	19831.5	19770.1	17327.7	14885.4	9728.1	4570.9
22806.8	75°	21430.9	20055.1	18567.6	17080.2	16853.2	16626.3	14098.5	11570.8	7410.1	3249.5
17849.3	77.5°	16873.4	15897.6	14766.8	13636.1	13311.3	12986.5	10626.7	8267.1	5186.4	2105.7
12920.7	80°	12408.4	11896.0	11042.3	10188.3	9784.6	9381.0	7396.0	5410.8	3341.5	1272.2
8364.7	82.5°	8151.1	7937.3	7349.5	6761.7	6310.6	5859.7	4502.4	3145.2	1934.0	722.9
4800.1	85°	4678.7	4557.4	4074.6	3591.6	3208.0	2824.4	2104.1	1383.8	869.9	356.3
1844.1	87.5°	1833.9	1823.6	1582.1	1340.6	1126.6	912.6	670.5	428.4	284.9	141.5
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°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5452.8	2.5°	5407.4	5361.6	5315.7	5271.9	5228.1	5185.6	5138.4	5100.1	5062.1	5027.6
5720.8	5°	5626.6	5531.5	5436.7	5348.0	5259.4	5175.7	5093.0	5020.8	4948.5	4887.9
5970.5	7.5°	5826.2	5685.8	5545.3	5421.5	5297.8	5183.6	5076.6	4980.6	4884.8	4805.0
6165.2	10°	5974.7	5804.1	5633.4	5487.1	5340.4	5199.6	5084.6	4983.4	4882.2	4802.5
6299.3	12.5°	6083.3	5882.0	5680.8	5515.2	5349.6	5201.6	5094.6	5011.7	4929.2	4876.2
6383.0	15°	6148.6	5916.9	5685.2	5493.5	5301.8	5137.8	5052.1	5012.5	4973.0	4980.2
6423.0	17.5°	6167.4	5898.4	5629.4	5398.8	5168.3	4975.4	4922.6	4937.2	4951.5	5038.4
6454.3	20°	6173.3	5847.4	5521.4	5235.6	4949.9	4725.3	4711.4	4779.1	4846.9	4997.7
6496.5	22.5°	6181.3	5784.8	5388.3	5044.2	4700.0	4444.4	4471.7	4571.9	4672.1	4844.3
6573.0	25°	6212.8	5723.0	5233.4	4830.4	4427.5	4165.4	4239.2	4354.7	4470.3	4625.1
6692.6	27.5°	6278.5	5681.8	5085.0	4634.9	4184.8	3946.3	4035.9	4147.5	4259.1	4386.4
6847.4	30°	6368.6	5662.4	4955.9	4471.5	3987.1	3786.9	3857.2	3945.7	4034.5	4140.1
7009.0	32.5°	6446.3	5638.5	4830.4	4330.6	3830.7	3669.3	3700.6	3753.0	3805.4	3889.7
7193.1	35°	6503.3	5593.5	4684.1	4192.1	3700.2	3565.7	3552.7	3567.1	3581.6	3646.0
7399.4	37.5°	6537.2	5516.4	4495.6	4029.1	3562.7	3445.1	3397.7	3381.8	3365.8	3412.1
7661.2	40°	6558.5	5410.2	4262.1	3834.7	3407.3	3300.7	3227.9	3191.9	3155.8	3189.1
8003.7	42.5°	6598.9	5300.6	4002.6	3620.1	3237.5	3139.3	3047.6	2999.8	2952.0	2979.1
8454.4	45°	6670.1	5198.8	3727.7	3392.1	3056.6	2957.0	2868.3	2821.7	2775.2	2797.9
8934.6	47.5°	6718.9	5114.7	3510.5	3211.8	2913.1	2784.6	2708.3	2669.2	2630.2	2651.7
9380.2	50°	6687.0	5023.0	3359.1	3092.0	2825.0	2656.1	2567.4	2532.7	2498.3	2531.7
9669.5	52.5°	6490.8	4868.2	3245.9	3013.1	2780.6	2586.3	2462.4	2428.1	2394.1	2444.5
9605.7	55°	6085.3	4611.6	3137.9	2956.0	2774.0	2593.3	2406.6	2352.4	2298.4	2369.9
9157.0	57.5°	5482.5	4249.7	3016.7	2888.2	2759.7	2600.3	2373.1	2294.2	2215.3	2292.2
8321.9	60°	4674.1	3779.9	2885.6	2784.6	2683.6	2578.4	2341.7	2239.4	2137.0	2204.6
7192.7	62.5°	3763.5	3217.6	2671.6	2604.5	2537.5	2524.6	2305.0	2177.1	2049.3	2092.2
6040.6	65°	2966.5	2711.7	2456.8	2425.1	2393.5	2395.1	2227.7	2091.8	1955.7	1972.2
4912.0	67.5°	2297.8	2225.5	2153.0	2170.7	2188.2	2183.8	2089.8	1976.6	1863.4	1858.3
3867.6	70°	1740.5	1761.2	1781.7	1863.8	1945.7	1945.7	1914.8	1834.3	1753.8	1735.9
2956.8	72.5°	1342.6	1405.0	1467.5	1583.9	1700.0	1719.6	1720.0	1664.8	1609.6	1583.3
2146.0	75°	1042.5	1099.1	1155.7	1286.0	1416.3	1506.4	1498.8	1456.4	1413.7	1388.6
1454.2	77.5°	802.6	841.1	879.7	1006.2	1132.8	1281.2	1277.2	1243.2	1209.1	1183.6
936.9	80°	601.8	617.7	633.6	740.8	847.8	1025.2	1024.6	996.1	967.4	946.1
576.2	82.5°	430.0	432.8	436.0	514.9	593.8	745.2	753.6	739.6	725.7	710.5
308.0	85°	260.0	258.6	257.0	314.8	372.6	485.2	496.1	481.2	466.3	449.3
127.7	87.5°	114.0	112.6	111.2	134.7	158.4	205.2	219.2	213.2	207.2	204.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956453  
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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
4993.3	2.5°	4963.3	4933.2	4902.9	4872.8	4849.5	4826.0	4807.0	4788.1	4773.4	4758.6
4827.6	5°	4774.2	4720.8	4672.3	4623.7	4586.5	4549.0	4522.9	4496.8	4478.3	4459.7
4725.3	7.5°	4658.2	4590.8	4531.5	4472.3	4427.9	4383.6	4352.5	4321.5	4300.1	4279.0
4722.8	10°	4650.4	4577.9	4511.1	4444.4	4391.4	4338.2	4303.5	4268.5	4248.3	4228.2
4823.6	12.5°	4766.6	4710.0	4640.9	4571.9	4504.2	4436.4	4391.6	4346.8	4324.2	4301.9
4987.4	15°	4972.6	4957.9	4897.9	4837.9	4741.5	4645.0	4576.9	4508.8	4477.5	4446.4
5125.3	17.5°	5171.5	5217.5	5169.1	5120.9	4993.1	4865.4	4765.0	4664.6	4618.3	4571.9
5148.8	20°	5245.4	5342.0	5319.7	5297.2	5151.2	5005.3	4882.2	4759.2	4700.0	4640.7
5016.9	22.5°	5142.6	5268.3	5281.9	5295.2	5155.7	5016.3	4889.5	4762.6	4700.2	4637.7
4780.1	25°	4903.9	5027.6	5073.8	5119.9	5005.5	4891.3	4778.5	4666.2	4612.0	4558.0
4513.5	27.5°	4612.8	4712.0	4763.4	4815.0	4733.5	4652.2	4564.7	4477.3	4441.0	4404.5
4245.7	30°	4328.0	4410.5	4452.4	4494.2	4432.2	4370.1	4307.5	4244.5	4226.0	4207.3
3974.2	32.5°	4053.1	4132.2	4178.6	4225.2	4168.2	4111.0	4061.0	4011.0	3998.9	3986.7
3710.1	35°	3788.2	3866.6	3922.3	3978.1	3937.5	3897.0	3850.8	3804.8	3786.3	3767.9
3458.1	37.5°	3536.0	3614.1	3683.0	3752.0	3733.3	3714.5	3672.1	3629.4	3595.8	3562.3
3222.4	40°	3297.7	3373.0	3452.3	3531.8	3536.4	3540.8	3504.7	3468.6	3419.6	3371.0
3006.4	42.5°	3077.7	3149.2	3234.9	3320.6	3343.5	3366.4	3335.9	3305.6	3244.9	3184.1
2821.1	45°	2888.8	2956.6	3045.4	3134.3	3167.2	3200.0	3172.5	3145.2	3075.7	3006.4
2673.0	47.5°	2739.4	2805.5	2893.2	2980.9	3018.7	3056.6	3037.5	3018.3	2956.6	2894.8
2565.4	50°	2628.0	2690.3	2768.9	2847.4	2896.0	2944.6	2943.4	2942.6	2893.2	2843.8
2494.7	52.5°	2552.1	2609.3	2682.4	2755.7	2813.3	2870.9	2881.2	2891.6	2851.3	2811.1
2441.3	55°	2503.0	2564.8	2629.0	2692.9	2753.9	2815.1	2829.4	2843.8	2808.7	2773.6
2369.1	57.5°	2441.7	2514.2	2577.6	2641.1	2702.7	2764.1	2778.6	2793.2	2757.7	2722.2
2271.9	60°	2355.2	2438.5	2502.8	2567.4	2629.2	2690.9	2706.9	2722.8	2688.2	2653.7
2135.0	62.5°	2232.1	2329.3	2398.0	2466.8	2523.4	2580.0	2595.3	2610.6	2579.4	2548.1
1988.6	65°	2092.6	2196.8	2262.5	2328.3	2378.1	2427.9	2443.7	2459.2	2429.1	2399.0
1853.1	67.5°	1949.1	2045.4	2107.7	2169.9	2212.9	2256.0	2271.3	2286.5	2258.8	2231.3
1718.0	70°	1802.5	1887.0	1940.7	1994.5	2033.4	2072.3	2087.0	2101.7	2079.2	2056.7
1557.2	72.5°	1623.7	1690.1	1738.7	1787.3	1825.4	1863.4	1881.0	1898.5	1879.8	1861.0
1363.3	75°	1412.7	1462.1	1506.2	1550.2	1584.9	1619.5	1637.9	1656.2	1647.0	1637.9
1158.1	77.5°	1198.3	1238.4	1276.2	1314.1	1350.6	1386.8	1404.0	1421.1	1408.3	1395.2
924.5	80°	958.0	991.3	1023.2	1055.1	1082.8	1110.3	1133.0	1155.7	1150.1	1144.7
695.4	82.5°	692.6	689.8	678.7	667.5	726.5	785.5	824.1	862.8	860.4	857.8
432.4	85°	418.0	403.5	372.6	341.7	396.9	452.3	500.1	548.0	544.0	540.0
200.8	87.5°	200.3	199.7	176.1	152.4	175.5	198.9	218.2	237.5	232.7	227.5
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
4745.1	2.5°	4731.3	4714.4	4731.3	4745.1	4758.6	4773.4	4788.1	4807.0	4826.0	4849.5
4445.6	5°	4431.4	4417.5	4431.4	4445.6	4459.7	4478.3	4496.8	4522.9	4549.0	4586.5
4266.3	7.5°	4253.7	4244.1	4253.7	4266.3	4279.0	4300.1	4321.5	4352.5	4383.6	4427.9
4217.4	10°	4206.7	4202.3	4206.7	4217.4	4228.2	4248.3	4268.5	4303.5	4338.2	4391.4
4292.8	12.5°	4283.6	4282.0	4283.6	4292.8	4301.9	4324.2	4346.8	4391.6	4436.4	4504.2
4434.4	15°	4422.5	4421.5	4422.5	4434.4	4446.4	4477.5	4508.8	4576.9	4645.0	4741.5
4556.8	17.5°	4541.4	4539.0	4541.4	4556.8	4571.9	4618.3	4664.6	4765.0	4865.4	4993.1
4621.7	20°	4602.8	4596.8	4602.8	4621.7	4640.7	4700.0	4759.2	4882.2	5005.3	5151.2
4616.8	22.5°	4595.8	4586.9	4595.8	4616.8	4637.7	4700.2	4762.6	4889.5	5016.3	5155.7
4538.2	25°	4518.7	4507.2	4518.7	4538.2	4558.0	4612.0	4666.2	4778.5	4891.3	5005.5
4395.6	27.5°	4386.6	4383.6	4386.6	4395.6	4404.5	4441.0	4477.3	4564.7	4652.2	4733.5
4207.3	30°	4207.3	4210.3	4207.3	4207.3	4207.3	4226.0	4244.5	4307.5	4370.1	4432.2
3988.3	32.5°	3990.1	3993.1	3990.1	3988.3	3986.7	3998.9	4011.0	4061.0	4111.0	4168.2
3763.9	35°	3760.0	3758.0	3760.0	3763.9	3767.9	3786.3	3804.8	3850.8	3897.0	3937.5
3544.6	37.5°	3526.8	3516.9	3526.8	3544.6	3562.3	3595.8	3629.4	3672.1	3714.5	3733.3
3337.9	40°	3305.3	3285.7	3305.3	3337.9	3371.0	3419.6	3468.6	3504.7	3540.8	3536.4
3136.1	42.5°	3088.1	3056.6	3088.1	3136.1	3184.1	3244.9	3305.6	3335.9	3366.4	3343.5
2950.0	45°	2893.6	2857.3	2893.6	2950.0	3006.4	3075.7	3145.2	3172.5	3200.0	3167.2
2842.6	47.5°	2790.6	2755.7	2790.6	2842.6	2894.8	2956.6	3018.3	3037.5	3056.6	3018.7
2795.6	50°	2747.3	2713.9	2747.3	2795.6	2843.8	2893.2	2942.6	2943.4	2944.6	2896.0
2767.9	52.5°	2724.8	2693.9	2724.8	2767.9	2811.1	2851.3	2891.6	2881.2	2870.9	2813.3
2735.8	55°	2697.9	2670.0	2697.9	2735.8	2773.6	2808.7	2843.8	2829.4	2815.1	2753.9
2684.8	57.5°	2647.1	2618.2	2647.1	2684.8	2722.2	2757.7	2793.2	2778.6	2764.1	2702.7
2615.0	60°	2576.4	2546.5	2576.4	2615.0	2653.7	2688.2	2722.8	2706.9	2690.9	2629.2
2507.4	62.5°	2466.8	2430.9	2466.8	2507.4	2548.1	2579.4	2610.6	2595.3	2580.0	2523.4
2359.6	65°	2320.3	2289.4	2320.3	2359.6	2399.0	2429.1	2459.2	2443.7	2427.9	2378.1
2194.6	67.5°	2157.9	2130.0	2157.9	2194.6	2231.3	2258.8	2286.5	2271.3	2256.0	2212.9
2021.6	70°	1986.6	1954.7	1986.6	2021.6	2056.7	2079.2	2101.7	2087.0	2072.3	2033.4
1827.6	72.5°	1794.3	1763.4	1794.3	1827.6	1861.0	1879.8	1898.5	1881.0	1863.4	1825.4
1609.8	75°	1581.7	1552.2	1581.7	1609.8	1637.9	1647.0	1656.2	1637.9	1619.5	1584.9
1366.9	77.5°	1338.6	1315.1	1338.6	1366.9	1395.2	1408.3	1421.1	1404.0	1386.8	1350.6
1106.7	80°	1068.4	1024.2	1068.4	1106.7	1144.7	1150.1	1155.7	1133.0	1110.3	1082.8
825.7	82.5°	793.4	765.1	793.4	825.7	857.8	860.4	862.8	824.1	785.5	726.5
514.9	85°	489.8	464.3	489.8	514.9	540.0	544.0	548.0	500.1	452.3	396.9
214.8	87.5°	201.6	189.3	201.6	214.8	227.5	232.7	237.5	218.2	198.9	175.5
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
4872.8	2.5°	4902.9	4933.2	4963.3	4993.3	5027.6	5062.1	5100.1	5138.4	5185.6	5228.1
4623.7	5°	4672.3	4720.8	4774.2	4827.6	4887.9	4948.5	5020.8	5093.0	5175.7	5259.4
4472.3	7.5°	4531.5	4590.8	4658.2	4725.3	4805.0	4884.8	4980.6	5076.6	5183.6	5297.8
4444.4	10°	4511.1	4577.9	4650.4	4722.8	4802.5	4882.2	4983.4	5084.6	5199.6	5340.4
4571.9	12.5°	4640.9	4710.0	4766.6	4823.6	4876.2	4929.2	5011.7	5094.6	5201.6	5349.6
4837.9	15°	4897.9	4957.9	4972.6	4987.4	4980.2	4973.0	5012.5	5052.1	5137.8	5301.8
5120.9	17.5°	5169.1	5217.5	5171.5	5125.3	5038.4	4951.5	4937.2	4922.6	4975.4	5168.3
5297.2	20°	5319.7	5342.0	5245.4	5148.8	4997.7	4846.9	4779.1	4711.4	4725.3	4949.9
5295.2	22.5°	5281.9	5268.3	5142.6	5016.9	4844.3	4672.1	4571.9	4471.7	4444.4	4700.0
5119.9	25°	5073.8	5027.6	4903.9	4780.1	4625.1	4470.3	4354.7	4239.2	4165.4	4427.5
4815.0	27.5°	4763.4	4712.0	4612.8	4513.5	4386.4	4259.1	4147.5	4035.9	3946.3	4184.8
4494.2	30°	4452.4	4410.5	4328.0	4245.7	4140.1	4034.5	3945.7	3857.2	3786.9	3987.1
4225.2	32.5°	4178.6	4132.2	4053.1	3974.2	3889.7	3805.4	3753.0	3700.6	3669.3	3830.7
3978.1	35°	3922.3	3866.6	3788.2	3710.1	3646.0	3581.6	3567.1	3552.7	3565.7	3700.2
3752.0	37.5°	3683.0	3614.1	3536.0	3458.1	3412.1	3365.8	3381.8	3397.7	3445.1	3562.7
3531.8	40°	3452.3	3373.0	3297.7	3222.4	3189.1	3155.8	3191.9	3227.9	3300.7	3407.3
3320.6	42.5°	3234.9	3149.2	3077.7	3006.4	2979.1	2952.0	2999.8	3047.6	3139.3	3237.5
3134.3	45°	3045.4	2956.6	2888.8	2821.1	2797.9	2775.2	2821.7	2868.3	2957.0	3056.6
2980.9	47.5°	2893.2	2805.5	2739.4	2673.0	2651.7	2630.2	2669.2	2708.3	2784.6	2913.1
2847.4	50°	2768.9	2690.3	2628.0	2565.4	2531.7	2498.3	2532.7	2567.4	2656.1	2825.0
2755.7	52.5°	2682.4	2609.3	2552.1	2494.7	2444.5	2394.1	2428.1	2462.4	2586.3	2780.6
2692.9	55°	2629.0	2564.8	2503.0	2441.3	2369.9	2298.4	2352.4	2406.6	2593.3	2774.0
2641.1	57.5°	2577.6	2514.2	2441.7	2369.1	2292.2	2215.3	2294.2	2373.1	2600.3	2759.7
2567.4	60°	2502.8	2438.5	2355.2	2271.9	2204.6	2137.0	2239.4	2341.7	2578.4	2683.6
2466.8	62.5°	2398.0	2329.3	2232.1	2135.0	2092.2	2049.3	2177.1	2305.0	2524.6	2537.5
2328.3	65°	2262.5	2196.8	2092.6	1988.6	1972.2	1955.7	2091.8	2227.7	2395.1	2393.5
2169.9	67.5°	2107.7	2045.4	1949.1	1853.1	1858.3	1863.4	1976.6	2089.8	2183.8	2188.2
1994.5	70°	1940.7	1887.0	1802.5	1718.0	1735.9	1753.8	1834.3	1914.8	1945.7	1945.7
1787.3	72.5°	1738.7	1690.1	1623.7	1557.2	1583.3	1609.6	1664.8	1720.0	1719.6	1700.0
1550.2	75°	1506.2	1462.1	1412.7	1363.3	1388.6	1413.7	1456.4	1498.8	1506.4	1416.3
1314.1	77.5°	1276.2	1238.4	1198.3	1158.1	1183.6	1209.1	1243.2	1277.2	1281.2	1132.8
1055.1	80°	1023.2	991.3	958.0	924.5	946.1	967.4	996.1	1024.6	1025.2	847.8
667.5	82.5°	678.7	689.8	692.6	695.4	710.5	725.7	739.6	753.6	745.2	593.8
341.7	85°	372.6	403.5	418.0	432.4	449.3	466.3	481.2	496.1	485.2	372.6
152.4	87.5°	176.1	199.7	200.3	200.8	204.0	207.2	213.2	219.2	205.2	158.4
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):**

325°		330°	335°	340°	345°	350°	355°	360°
5192.6	0°	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6	5192.6
5271.9	2.5°	5315.7	5361.6	5407.4	5452.8	5498.5	5541.3	5584.1
5348.0	5°	5436.7	5531.5	5626.6	5720.8	5815.3	5909.9	6004.6
5421.5	7.5°	5545.3	5685.8	5826.2	5970.5	6114.8	6270.8	6427.0
5487.1	10°	5633.4	5804.1	5974.7	6165.2	6355.9	6553.3	6750.8
5515.2	12.5°	5680.8	5882.0	6083.3	6299.3	6515.3	6732.0	6949.0
5493.5	15°	5685.2	5916.9	6148.6	6383.0	6617.3	6843.4	7069.6
5398.8	17.5°	5629.4	5898.4	6167.4	6423.0	6678.6	6908.0	7137.3
5235.6	20°	5521.4	5847.4	6173.3	6454.3	6735.2	6973.7	7212.1
5044.2	22.5°	5388.3	5784.8	6181.3	6496.5	6811.6	7055.2	7298.7
4830.4	25°	5233.4	5723.0	6212.8	6573.0	6933.1	7171.6	7410.3
4634.9	27.5°	5085.0	5681.8	6278.5	6692.6	7106.4	7334.2	7561.7
4471.5	30°	4955.9	5662.4	6368.6	6847.4	7326.2	7546.0	7766.0
4330.6	32.5°	4830.4	5638.5	6446.3	7009.0	7571.7	7789.3	8007.1
4192.1	35°	4684.1	5593.5	6503.3	7193.1	7882.9	8091.6	8300.0
4029.1	37.5°	4495.6	5516.4	6537.2	7399.4	8261.5	8527.3	8793.1
3834.7	40°	4262.1	5410.2	6558.5	7661.2	8763.7	9151.0	9538.4
3620.1	42.5°	4002.6	5300.6	6598.9	8003.7	9408.4	9967.6	10526.7
3392.1	45°	3727.7	5198.8	6670.1	8454.4	10238.7	10992.9	11747.1
3211.8	47.5°	3510.5	5114.7	6718.9	8934.6	11150.3	12212.0	13273.4
3092.0	50°	3359.1	5023.0	6687.0	9380.2	12073.3	13673.7	15273.9
3013.1	52.5°	3245.9	4868.2	6490.8	9669.5	12848.0	15209.2	17570.4
2956.0	55°	3137.9	4611.6	6085.3	9605.7	13126.0	16570.5	20015.2
2888.2	57.5°	3016.7	4249.7	5482.5	9157.0	12831.7	17535.3	22238.9
2784.6	60°	2885.6	3779.9	4674.1	8321.9	11969.7	17776.4	23582.9
2604.5	62.5°	2671.6	3217.6	3763.5	7192.7	10621.9	16761.2	22900.4
2425.1	65°	2456.8	2711.7	2966.5	6040.6	9114.9	15324.7	21534.5
2170.7	67.5°	2153.0	2225.5	2297.8	4912.0	7526.3	13615.3	19704.4
1863.8	70°	1781.7	1761.2	1740.5	3867.6	5994.6	11750.1	17505.6
1583.9	72.5°	1467.5	1405.0	1342.6	2956.8	4570.9	9728.1	14885.4
1286.0	75°	1155.7	1099.1	1042.5	2146.0	3249.5	7410.1	11570.8
1006.2	77.5°	879.7	841.1	802.6	1454.2	2105.7	5186.4	8267.1
740.8	80°	633.6	617.7	601.8	936.9	1272.2	3341.5	5410.8
514.9	82.5°	436.0	432.8	430.0	576.2	722.9	1934.0	3145.2
314.8	85°	257.0	258.6	260.0	308.0	356.3	869.9	1383.8
134.7	87.5°	111.2	112.6	114.0	127.7	141.5	284.9	428.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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