

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: P953975

Luminaire Tested: **GALN-SB7B-840-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953975  
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-SB7B-840-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

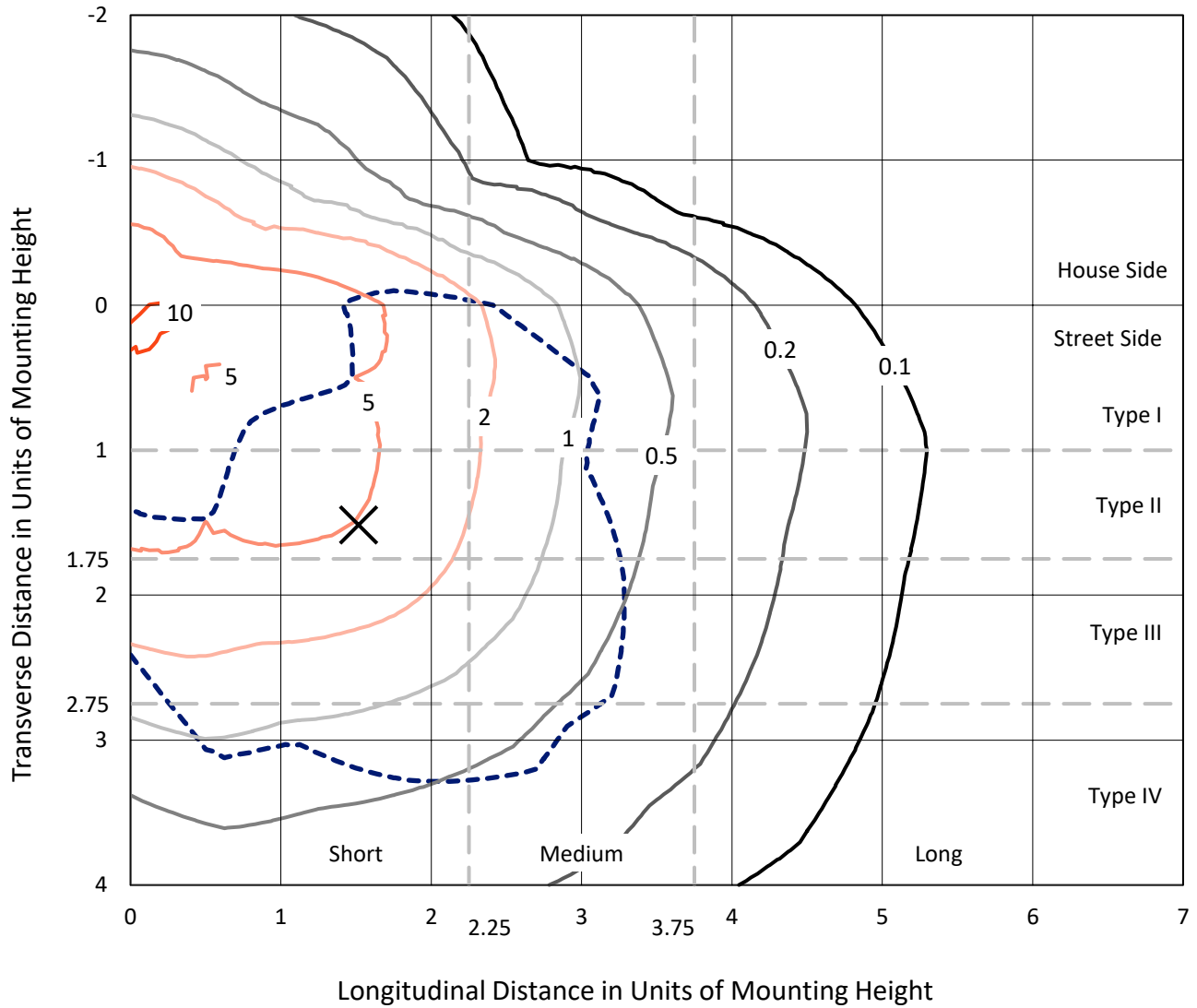
Lumens per Lamp: N/A  
Luminaire Lumens: 38168 lumens  
Efficiency: N/A  
Efficacy: 148.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

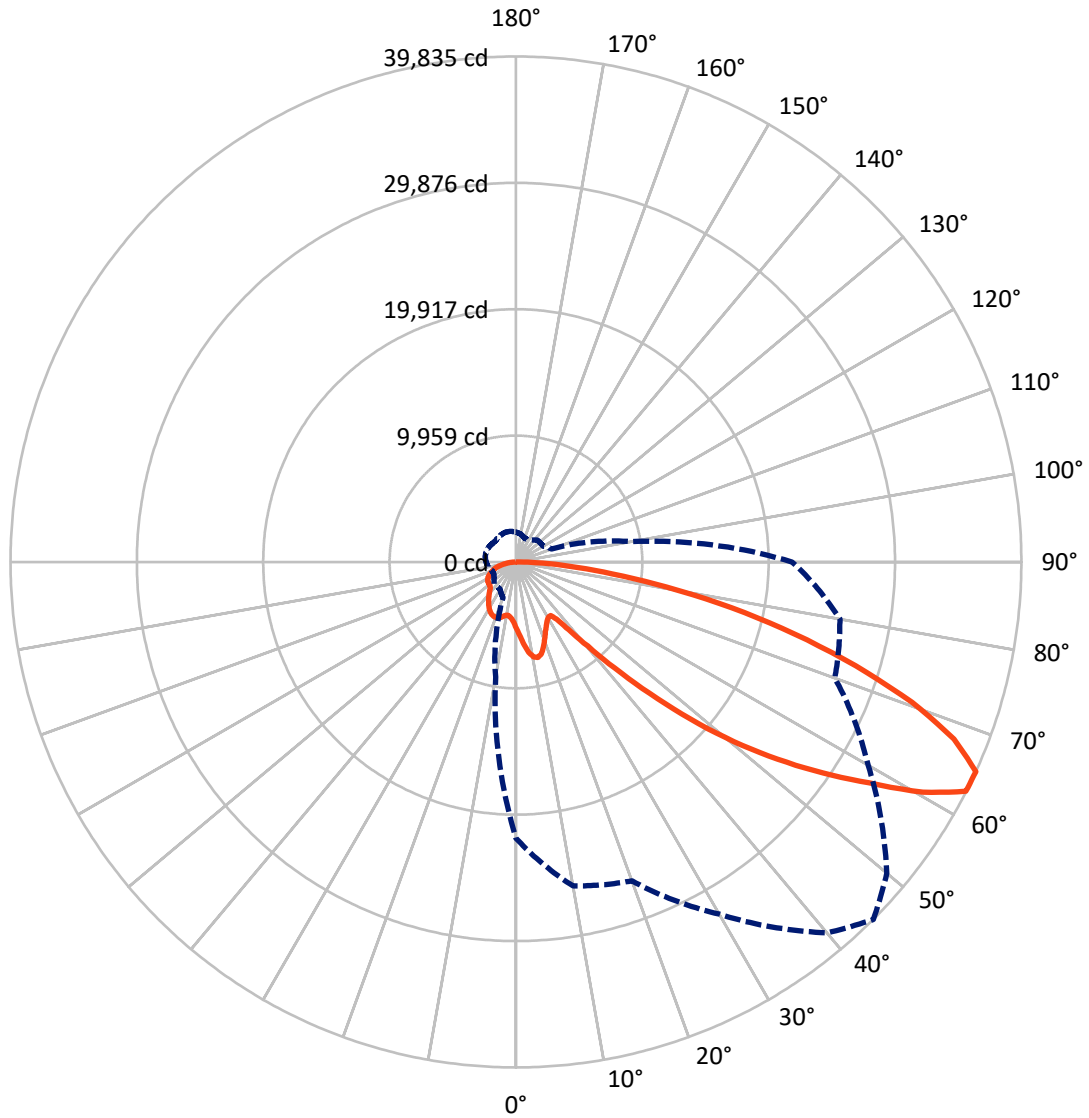
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 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	9700.4	0.0	9700.4
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	28467.6	0.0	28467.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	38168.0	0.0	38168.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	520.6	1.4
10°-20°	1634.4	4.3
20°-30°	2524.6	6.6
30°-40°	3199.3	8.4
40°-50°	4825.3	12.6
50°-60°	7796.0	20.4
60°-70°	9719.0	25.5
70°-80°	6373.2	16.7
80°-90°	1575.6	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°	38168.0	100.0
0°-180°	38168.0	100.0



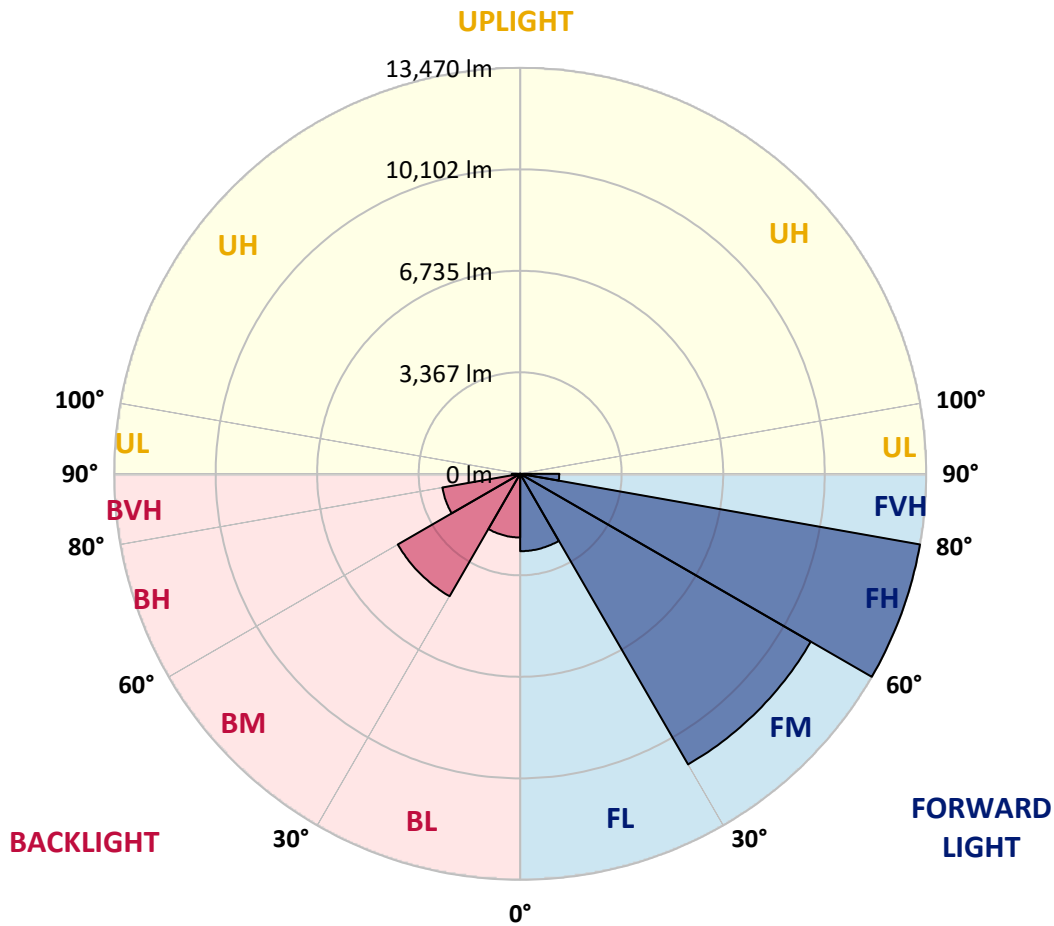
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2567.2	6.7			
FM (30°-60°)	11132.8	29.2			
FH (60°-80°)	13469.6	35.3			G5
FVH (80°-90°)	1298.0	3.4			G5
BL (0°-30°)	2112.4	5.5	B3/2500		
BM (30°-60°)	4687.8	12.3	B3/5000		
BH (60°-80°)	2622.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	277.7	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°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
2.5°	5644.2	5665.5	5687.1	5717.5	5747.9	5766.0	5784.1	5793.2	5802.3	5798.2
5°	6069.1	6143.8	6218.8	6292.9	6367.2	6407.5	6447.8	6472.1	6496.7	6515.2
7.5°	6496.1	6617.7	6739.2	6848.5	6957.9	7023.8	7089.6	7125.3	7160.7	7177.8
10°	6823.4	6967.2	7111.0	7239.2	7367.5	7445.3	7522.6	7557.3	7591.7	7604.8
12.5°	7023.8	7179.6	7335.3	7451.3	7566.9	7623.3	7679.7	7698.6	7717.6	7719.6
15°	7145.6	7280.1	7414.5	7487.2	7560.1	7562.1	7564.1	7544.0	7523.8	7500.1
17.5°	7214.1	7304.9	7395.7	7397.1	7398.4	7316.8	7235.2	7160.5	7085.6	7032.8
20°	7289.6	7321.2	7353.0	7257.4	7161.7	6981.7	6801.6	6670.5	6539.4	6458.8
22.5°	7377.2	7335.7	7294.2	7096.1	6897.9	6633.0	6368.2	6204.3	6040.3	5951.3
25°	7490.0	7359.1	7228.2	6927.3	6626.4	6304.8	5983.1	5810.7	5638.7	5554.6
27.5°	7643.0	7409.0	7174.8	6776.2	6377.9	6021.4	5664.9	5495.3	5326.0	5246.4
30°	7849.5	7500.5	7151.6	6661.0	6170.4	5799.1	5427.7	5270.4	5113.1	5039.0
32.5°	8093.2	7615.3	7137.5	6582.5	6027.4	5678.4	5329.4	5205.9	5082.3	5028.9
35°	8389.2	7804.4	7219.7	6641.3	6063.1	5820.6	5578.3	5549.5	5520.7	5516.3
37.5°	8887.7	8199.7	7511.7	6986.1	6460.4	6444.7	6429.0	6560.7	6692.5	6760.9
40°	9640.9	8892.7	8144.5	7753.6	7362.7	7638.6	7914.5	8234.8	8555.0	8714.5
42.5°	10639.8	9897.5	9155.1	8930.0	8704.8	9306.6	9908.4	10490.8	11073.3	11415.2
45°	11873.4	11206.6	10539.6	10440.3	10340.8	11304.9	12269.2	13226.2	14183.4	14764.5
47.5°	13416.1	12767.4	12118.5	12098.4	12078.2	13469.1	14859.5	16260.7	17661.6	18484.3
50°	15438.2	14636.8	13835.6	13839.1	13842.5	15634.9	17427.4	19276.8	21126.2	22244.4
52.5°	17759.3	16788.9	15818.8	15720.7	15622.4	17763.5	19904.6	22192.8	24480.9	25821.2
55°	20230.4	19271.8	18313.1	17930.7	17548.2	19931.1	22313.9	25041.8	27769.7	29363.8
57.5°	22478.0	21956.0	21433.8	20666.6	19899.7	22305.8	24711.9	27801.8	30891.4	32868.1
60°	23836.4	24647.3	25458.3	24505.7	23553.1	25830.1	28107.1	31415.2	34723.4	36859.8
62.5°	23146.7	25362.2	27577.8	27470.5	27362.9	29448.8	31534.9	34682.3	37829.6	39804.3
65°	21766.1	23845.5	25924.9	26336.4	26747.7	29398.5	32049.5	35101.4	38153.2	39834.5
67.5°	19916.2	21894.0	23871.7	24064.6	24257.4	27019.3	29781.1	32846.2	35911.3	37228.4
70°	17693.8	19844.9	21996.3	22082.5	22168.9	24638.8	27108.6	29746.3	32383.8	33115.9
72.5°	15045.4	17514.0	19982.7	20044.7	20106.6	22039.0	23971.4	25946.9	27922.2	27996.3
75°	11695.2	14250.1	16805.0	17034.4	17263.8	18767.3	20270.7	21661.3	23052.0	22679.4
77.5°	8356.0	10741.0	13126.1	13454.4	13782.7	14925.6	16068.5	17054.8	18041.2	17400.8
80°	5469.0	7475.5	9481.8	9889.8	10297.9	11161.1	12023.9	12541.9	13059.6	12029.5
82.5°	3179.1	4550.8	5922.7	6378.5	6834.4	7428.6	8022.7	8238.8	8454.7	7645.1
85°	1398.7	2126.8	2854.8	3242.5	3630.2	4118.4	4606.4	4729.0	4851.7	4203.2
87.5°	433.0	677.7	922.4	1138.7	1355.0	1599.1	1843.2	1853.7	1863.9	1564.9
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°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5802.3	2.5°	5793.2	5784.1	5766.0	5747.9	5717.5	5687.1	5665.5	5644.2	5600.9	5557.6
6496.7	5°	6472.1	6447.8	6407.5	6367.2	6292.9	6218.8	6143.8	6069.1	5973.5	5877.8
7160.7	7.5°	7125.3	7089.6	7023.8	6957.9	6848.5	6739.2	6617.7	6496.1	6338.2	6180.5
7591.7	10°	7557.3	7522.6	7445.3	7367.5	7239.2	7111.0	6967.2	6823.4	6623.8	6424.2
7717.6	12.5°	7698.6	7679.7	7623.3	7566.9	7451.3	7335.3	7179.6	7023.8	6804.4	6585.3
7523.8	15°	7544.0	7564.1	7562.1	7560.1	7487.2	7414.5	7280.1	7145.6	6917.0	6688.4
7085.6	17.5°	7160.5	7235.2	7316.8	7398.4	7397.1	7395.7	7304.9	7214.1	6982.3	6750.5
6539.4	20°	6670.5	6801.6	6981.7	7161.7	7257.4	7353.0	7321.2	7289.6	7048.7	6807.7
6040.3	22.5°	6204.3	6368.2	6633.0	6897.9	7096.1	7294.2	7335.7	7377.2	7131.1	6884.8
5638.7	25°	5810.7	5983.1	6304.8	6626.4	6927.3	7228.2	7359.1	7490.0	7248.7	7007.6
5326.0	27.5°	5495.3	5664.9	6021.4	6377.9	6776.2	7174.8	7409.0	7643.0	7413.1	7182.9
5113.1	30°	5270.4	5427.7	5799.1	6170.4	6661.0	7151.6	7500.5	7849.5	7627.1	7405.0
5082.3	32.5°	5205.9	5329.4	5678.4	6027.4	6582.5	7137.5	7615.3	8093.2	7873.0	7653.1
5520.7	35°	5549.5	5578.3	5820.6	6063.1	6641.3	7219.7	7804.4	8389.2	8178.6	7967.7
6692.5	37.5°	6560.7	6429.0	6444.7	6460.4	6986.1	7511.7	8199.7	8887.7	8619.0	8350.4
8555.0	40°	8234.8	7914.5	7638.6	7362.7	7753.6	8144.5	8892.7	9640.9	9249.4	8857.9
11073.3	42.5°	10490.8	9908.4	9306.6	8704.8	8930.0	9155.1	9897.5	10639.8	10074.7	9509.6
14183.4	45°	13226.2	12269.2	11304.9	10340.8	10440.3	10539.6	11206.6	11873.4	11111.1	10348.8
17661.6	47.5°	16260.7	14859.5	13469.1	12078.2	12098.4	12118.5	12767.4	13416.1	12343.3	11270.2
21126.2	50°	19276.8	17427.4	15634.9	13842.5	13839.1	13835.6	14636.8	15438.2	13820.7	12203.1
24480.9	52.5°	22192.8	19904.6	17763.5	15622.4	15720.7	15818.8	16788.9	17759.3	15372.7	12986.1
27769.7	55°	25041.8	22313.9	19931.1	17548.2	17930.7	18313.1	19271.8	20230.4	16748.7	13267.1
30891.4	57.5°	27801.8	24711.9	22305.8	19899.7	20666.6	21433.8	21956.0	22478.0	17723.8	12969.6
34723.4	60°	31415.2	28107.1	25830.1	23553.1	24505.7	25458.3	24647.3	23836.4	17967.5	12098.4
37829.6	62.5°	34682.3	31534.9	29448.8	27362.9	27470.5	27577.8	25362.2	23146.7	16941.4	10736.1
38153.2	65°	35101.4	32049.5	29398.5	26747.7	26336.4	25924.9	23845.5	21766.1	15489.5	9212.9
35911.3	67.5°	32846.2	29781.1	27019.3	24257.4	24064.6	23871.7	21894.0	19916.2	13761.7	7607.2
32383.8	70°	29746.3	27108.6	24638.8	22168.9	22082.5	21996.3	19844.9	17693.8	11876.4	6059.1
27922.2	72.5°	25946.9	23971.4	22039.0	20106.6	20044.7	19982.7	17514.0	15045.4	9832.6	4620.1
23052.0	75°	21661.3	20270.7	18767.3	17263.8	17034.4	16805.0	14250.1	11695.2	7489.8	3284.4
18041.2	77.5°	17054.8	16068.5	14925.6	13782.7	13454.4	13126.1	10741.0	8356.0	5242.2	2128.4
13059.6	80°	12541.9	12023.9	11161.1	10297.9	9889.8	9481.8	7475.5	5469.0	3377.4	1285.9
8454.7	82.5°	8238.8	8022.7	7428.6	6834.4	6378.5	5922.7	4550.8	3179.1	1954.8	730.7
4851.7	85°	4729.0	4606.4	4118.4	3630.2	3242.5	2854.8	2126.8	1398.7	879.3	360.1
1863.9	87.5°	1853.7	1843.2	1599.1	1355.0	1138.7	922.4	677.7	433.0	288.0	143.0
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5511.5	2.5°	5465.5	5419.2	5372.9	5328.6	5284.3	5241.4	5193.6	5155.0	5116.5	5081.7
5782.3	5°	5687.1	5591.0	5495.1	5405.5	5315.9	5231.3	5147.7	5074.8	5001.7	4940.5
6034.7	7.5°	5888.9	5746.9	5604.9	5479.8	5354.8	5239.4	5131.2	5034.1	4937.3	4856.7
6231.5	10°	6038.9	5866.5	5693.9	5546.1	5397.9	5255.5	5139.3	5037.0	4934.7	4854.1
6367.0	12.5°	6148.7	5945.3	5741.9	5574.5	5407.1	5257.5	5149.3	5065.6	4982.2	4928.6
6451.6	15°	6214.7	5980.5	5746.3	5552.5	5358.8	5193.0	5106.4	5066.4	5026.5	5033.7
6492.1	17.5°	6233.7	5961.8	5689.9	5456.9	5223.9	5028.9	4975.5	4990.2	5004.7	5092.5
6523.7	20°	6239.7	5910.2	5580.7	5291.9	5003.1	4776.2	4762.1	4830.5	4899.0	5051.5
6566.4	22.5°	6247.8	5847.0	5446.2	5098.4	4750.6	4492.2	4519.8	4621.1	4722.4	4896.4
6643.7	25°	6279.6	5784.5	5289.7	4882.3	4475.1	4210.2	4284.7	4401.6	4518.4	4674.8
6764.6	27.5°	6346.0	5742.9	5139.7	4684.7	4229.8	3988.7	4079.3	4192.1	4304.9	4433.6
6921.0	30°	6437.1	5723.3	5009.2	4519.6	4030.0	3827.6	3898.7	3988.1	4077.9	4184.6
7084.4	32.5°	6515.6	5699.2	4882.3	4377.2	3871.9	3708.7	3740.4	3793.3	3846.3	3931.5
7270.5	35°	6573.2	5653.6	4734.5	4237.2	3740.0	3604.0	3590.9	3605.4	3620.1	3685.2
7478.9	37.5°	6607.5	5575.7	4543.9	4072.5	3601.0	3482.2	3434.2	3418.1	3402.0	3448.7
7743.5	40°	6629.0	5468.4	4307.9	3875.9	3443.9	3336.2	3262.6	3226.2	3189.7	3223.4
8089.7	42.5°	6669.9	5357.6	4045.7	3659.0	3272.3	3173.0	3080.4	3032.0	2983.7	3011.1
8545.3	45°	6741.8	5254.7	3767.8	3428.6	3089.4	2988.7	2899.1	2852.0	2805.1	2828.0
9030.7	47.5°	6791.1	5169.7	3548.2	3246.3	2944.4	2814.5	2737.4	2697.9	2658.5	2680.2
9481.0	50°	6758.9	5077.0	3395.2	3125.3	2855.4	2684.6	2595.0	2560.0	2525.1	2559.0
9773.4	52.5°	6560.5	4920.6	3280.8	3045.5	2810.5	2614.1	2488.9	2454.2	2419.8	2470.7
9709.0	55°	6150.7	4661.2	3171.6	2987.7	2803.9	2621.2	2432.5	2377.7	2323.1	2395.4
9255.4	57.5°	5541.5	4295.4	3049.2	2919.3	2789.4	2628.2	2398.6	2318.9	2239.1	2316.9
8411.4	60°	4724.4	3820.5	2916.6	2814.5	2712.4	2606.1	2366.8	2263.5	2160.0	2228.3
7270.1	62.5°	3804.0	3252.2	2700.3	2632.5	2564.8	2551.7	2329.8	2200.5	2071.4	2114.7
6105.6	65°	2998.4	2740.8	2483.2	2451.2	2419.2	2420.8	2251.6	2114.3	1976.7	1993.4
4964.9	67.5°	2322.5	2249.4	2176.1	2194.0	2211.8	2207.3	2112.3	1997.9	1883.5	1878.2
3909.1	70°	1759.2	1780.2	1800.9	1883.9	1966.7	1966.7	1935.4	1854.1	1772.7	1754.6
2988.5	72.5°	1357.0	1420.1	1483.3	1600.9	1718.3	1738.1	1738.5	1682.7	1626.9	1600.3
2169.1	75°	1053.7	1110.9	1168.1	1299.8	1431.5	1522.6	1514.9	1472.0	1428.9	1403.5
1469.8	77.5°	811.2	850.1	889.2	1017.1	1144.9	1295.0	1291.0	1256.5	1222.1	1196.3
947.0	80°	608.2	624.3	640.4	748.8	856.9	1036.2	1035.6	1006.8	977.8	956.2
582.4	82.5°	434.6	437.4	440.7	520.4	600.2	753.2	761.7	747.6	733.5	718.2
311.4	85°	262.8	261.4	259.8	318.2	376.6	490.4	501.5	486.4	471.3	454.2
129.1	87.5°	115.2	113.8	112.4	136.1	160.1	207.4	221.5	215.5	209.5	206.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5047.0	2.5°	5016.6	4986.2	4955.6	4925.2	4901.6	4877.9	4858.7	4839.6	4824.7	4809.8
4879.5	5°	4825.5	4771.5	4722.6	4673.4	4635.8	4597.9	4571.5	4545.1	4526.4	4507.7
4776.2	7.5°	4708.3	4640.2	4580.2	4520.4	4475.5	4430.8	4399.3	4367.9	4346.4	4325.0
4773.5	10°	4700.4	4627.1	4559.6	4492.2	4438.6	4384.8	4349.8	4314.3	4294.0	4273.7
4875.4	12.5°	4817.8	4760.6	4690.8	4621.1	4552.6	4484.1	4438.8	4393.5	4370.7	4348.2
5041.0	15°	5026.1	5011.2	4950.6	4889.9	4792.5	4695.0	4626.1	4557.2	4525.6	4494.2
5180.4	17.5°	5227.1	5273.6	5224.7	5175.9	5046.8	4917.7	4816.2	4714.7	4668.0	4621.1
5204.1	20°	5301.8	5399.5	5376.9	5354.2	5206.5	5059.1	4934.7	4810.4	4750.6	4690.6
5070.8	22.5°	5197.9	5325.0	5338.7	5352.1	5211.2	5070.2	4942.1	4813.8	4750.8	4687.5
4831.5	25°	4956.6	5081.7	5128.4	5174.9	5059.3	4943.9	4829.9	4716.3	4661.6	4607.0
4562.1	27.5°	4662.4	4762.7	4814.6	4866.8	4784.4	4702.2	4613.8	4525.4	4488.8	4451.9
4291.4	30°	4374.6	4457.9	4500.2	4542.5	4479.9	4417.1	4353.8	4290.2	4271.4	4252.5
4016.9	32.5°	4096.6	4176.6	4223.5	4270.6	4213.0	4155.2	4104.7	4054.1	4041.9	4029.6
3750.0	35°	3829.0	3908.1	3964.5	4020.9	3979.8	3938.9	3892.2	3845.7	3827.0	3808.4
3495.3	37.5°	3574.0	3653.0	3722.6	3792.3	3773.4	3754.5	3711.6	3668.5	3634.4	3600.6
3257.0	40°	3333.1	3409.3	3489.4	3569.8	3574.4	3578.8	3542.4	3505.9	3456.4	3407.2
3038.7	42.5°	3110.8	3183.1	3269.7	3356.3	3379.5	3402.6	3371.8	3341.2	3279.8	3218.3
2851.4	45°	2919.9	2988.3	3078.2	3168.0	3201.2	3234.4	3206.7	3179.1	3108.8	3038.7
2701.8	47.5°	2768.8	2835.7	2924.3	3012.9	3051.2	3089.4	3070.1	3050.8	2988.3	2925.9
2593.0	50°	2656.2	2719.3	2798.6	2878.0	2927.1	2976.3	2975.0	2974.2	2924.3	2874.4
2521.5	52.5°	2579.5	2637.3	2711.2	2785.3	2843.5	2901.7	2912.2	2922.7	2882.0	2841.3
2467.5	55°	2530.0	2592.4	2657.2	2721.9	2783.5	2845.3	2859.8	2874.4	2838.9	2803.5
2394.6	57.5°	2467.9	2541.2	2605.3	2669.5	2731.8	2793.8	2808.5	2823.2	2787.3	2751.5
2296.3	60°	2380.5	2464.7	2529.8	2595.0	2657.4	2719.9	2736.0	2752.1	2717.1	2682.2
2158.0	62.5°	2256.1	2354.3	2423.8	2493.3	2550.5	2607.7	2623.2	2638.7	2607.1	2575.5
2010.0	65°	2115.1	2220.4	2286.9	2353.3	2403.7	2454.0	2469.9	2485.7	2455.2	2424.8
1873.0	67.5°	1970.1	2067.3	2130.4	2193.2	2236.7	2280.2	2295.7	2311.0	2283.0	2255.3
1736.5	70°	1821.8	1907.2	1961.6	2016.0	2055.3	2094.5	2109.4	2124.3	2101.6	2078.8
1573.9	72.5°	1641.2	1708.3	1757.4	1806.5	1845.0	1883.5	1901.2	1918.9	1900.0	1881.1
1378.0	75°	1427.9	1477.9	1522.4	1566.9	1601.9	1637.0	1655.5	1674.0	1664.8	1655.5
1170.5	77.5°	1211.2	1251.7	1290.0	1328.2	1365.1	1401.7	1419.0	1436.4	1423.5	1410.2
934.5	80°	968.3	1002.0	1034.2	1066.4	1094.4	1122.2	1145.1	1168.1	1162.5	1157.0
702.9	82.5°	700.1	697.2	686.0	674.7	734.3	793.9	833.0	872.1	869.6	867.0
437.0	85°	422.5	407.8	376.6	345.4	401.2	457.2	505.5	553.8	549.8	545.8
203.0	87.5°	202.4	201.8	178.0	154.1	177.4	201.0	220.5	240.1	235.2	230.0
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
4796.1	2.5°	4782.2	4765.1	4782.2	4796.1	4809.8	4824.7	4839.6	4858.7	4877.9	4901.6
4493.4	5°	4479.1	4465.0	4479.1	4493.4	4507.7	4526.4	4545.1	4571.5	4597.9	4635.8
4312.1	7.5°	4299.4	4289.8	4299.4	4312.1	4325.0	4346.4	4367.9	4399.3	4430.8	4475.5
4262.8	10°	4251.9	4247.5	4251.9	4262.8	4273.7	4294.0	4314.3	4349.8	4384.8	4438.6
4338.9	12.5°	4329.7	4328.0	4329.7	4338.9	4348.2	4370.7	4393.5	4438.8	4484.1	4552.6
4482.1	15°	4470.0	4469.0	4470.0	4482.1	4494.2	4525.6	4557.2	4626.1	4695.0	4792.5
4605.8	17.5°	4590.3	4587.8	4590.3	4605.8	4621.1	4668.0	4714.7	4816.2	4917.7	5046.8
4671.4	20°	4652.3	4646.2	4652.3	4671.4	4690.6	4750.6	4810.4	4934.7	5059.1	5206.5
4666.4	22.5°	4645.2	4636.2	4645.2	4666.4	4687.5	4750.8	4813.8	4942.1	5070.2	5211.2
4587.0	25°	4567.3	4555.6	4567.3	4587.0	4607.0	4661.6	4716.3	4829.9	4943.9	5059.3
4442.8	27.5°	4433.8	4430.8	4433.8	4442.8	4451.9	4488.8	4525.4	4613.8	4702.2	4784.4
4252.5	30°	4252.5	4255.5	4252.5	4252.5	4252.5	4271.4	4290.2	4353.8	4417.1	4479.9
4031.2	32.5°	4033.0	4036.0	4033.0	4031.2	4029.6	4041.9	4054.1	4104.7	4155.2	4213.0
3804.4	35°	3800.4	3798.4	3800.4	3804.4	3808.4	3827.0	3845.7	3892.2	3938.9	3979.8
3582.7	37.5°	3564.7	3554.7	3564.7	3582.7	3600.6	3634.4	3668.5	3711.6	3754.5	3773.4
3373.8	40°	3340.8	3321.1	3340.8	3373.8	3407.2	3456.4	3505.9	3542.4	3578.8	3574.4
3169.8	42.5°	3121.3	3089.4	3121.3	3169.8	3218.3	3279.8	3341.2	3371.8	3402.6	3379.5
2981.7	45°	2924.7	2888.0	2924.7	2981.7	3038.7	3108.8	3179.1	3206.7	3234.4	3201.2
2873.1	47.5°	2820.6	2785.3	2820.6	2873.1	2925.9	2988.3	3050.8	3070.1	3089.4	3051.2
2825.6	50°	2776.9	2743.0	2776.9	2825.6	2874.4	2924.3	2974.2	2975.0	2976.3	2927.1
2797.6	52.5°	2754.1	2722.9	2754.1	2797.6	2841.3	2882.0	2922.7	2912.2	2901.7	2843.5
2765.2	55°	2726.9	2698.7	2726.9	2765.2	2803.5	2838.9	2874.4	2859.8	2845.3	2783.5
2713.6	57.5°	2675.6	2646.4	2675.6	2713.6	2751.5	2787.3	2823.2	2808.5	2793.8	2731.8
2643.1	60°	2604.1	2573.9	2604.1	2643.1	2682.2	2717.1	2752.1	2736.0	2719.9	2657.4
2534.4	62.5°	2493.3	2457.1	2493.3	2534.4	2575.5	2607.1	2638.7	2623.2	2607.7	2550.5
2385.0	65°	2345.3	2314.1	2345.3	2385.0	2424.8	2455.2	2485.7	2469.9	2454.0	2403.7
2218.2	67.5°	2181.1	2152.9	2181.1	2218.2	2255.3	2283.0	2311.0	2295.7	2280.2	2236.7
2043.4	70°	2007.9	1975.7	2007.9	2043.4	2078.8	2101.6	2124.3	2109.4	2094.5	2055.3
1847.2	72.5°	1813.6	1782.4	1813.6	1847.2	1881.1	1900.0	1918.9	1901.2	1883.5	1845.0
1627.1	75°	1598.7	1568.9	1598.7	1627.1	1655.5	1664.8	1674.0	1655.5	1637.0	1601.9
1381.6	77.5°	1353.0	1329.2	1353.0	1381.6	1410.2	1423.5	1436.4	1419.0	1401.7	1365.1
1118.6	80°	1079.9	1035.2	1079.9	1118.6	1157.0	1162.5	1168.1	1145.1	1122.2	1094.4
834.6	82.5°	802.0	773.4	802.0	834.6	867.0	869.6	872.1	833.0	793.9	734.3
520.4	85°	495.0	469.3	495.0	520.4	545.8	549.8	553.8	505.5	457.2	401.2
217.1	87.5°	203.8	191.3	203.8	217.1	230.0	235.2	240.1	220.5	201.0	177.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
4925.2	2.5°	4955.6	4986.2	5016.6	5047.0	5081.7	5116.5	5155.0	5193.6	5241.4	5284.3
4673.4	5°	4722.6	4771.5	4825.5	4879.5	4940.5	5001.7	5074.8	5147.7	5231.3	5315.9
4520.4	7.5°	4580.2	4640.2	4708.3	4776.2	4856.7	4937.3	5034.1	5131.2	5239.4	5354.8
4492.2	10°	4559.6	4627.1	4700.4	4773.5	4854.1	4934.7	5037.0	5139.3	5255.5	5397.9
4621.1	12.5°	4690.8	4760.6	4817.8	4875.4	4928.6	4982.2	5065.6	5149.3	5257.5	5407.1
4889.9	15°	4950.6	5011.2	5026.1	5041.0	5033.7	5026.5	5066.4	5106.4	5193.0	5358.8
5175.9	17.5°	5224.7	5273.6	5227.1	5180.4	5092.5	5004.7	4990.2	4975.5	5028.9	5223.9
5354.2	20°	5376.9	5399.5	5301.8	5204.1	5051.5	4899.0	4830.5	4762.1	4776.2	5003.1
5352.1	22.5°	5338.7	5325.0	5197.9	5070.8	4896.4	4722.4	4621.1	4519.8	4492.2	4750.6
5174.9	25°	5128.4	5081.7	4956.6	4831.5	4674.8	4518.4	4401.6	4284.7	4210.2	4475.1
4866.8	27.5°	4814.6	4762.7	4662.4	4562.1	4433.6	4304.9	4192.1	4079.3	3988.7	4229.8
4542.5	30°	4500.2	4457.9	4374.6	4291.4	4184.6	4077.9	3988.1	3898.7	3827.6	4030.0
4270.6	32.5°	4223.5	4176.6	4096.6	4016.9	3931.5	3846.3	3793.3	3740.4	3708.7	3871.9
4020.9	35°	3964.5	3908.1	3829.0	3750.0	3685.2	3620.1	3605.4	3590.9	3604.0	3740.0
3792.3	37.5°	3722.6	3653.0	3574.0	3495.3	3448.7	3402.0	3418.1	3434.2	3482.2	3601.0
3569.8	40°	3489.4	3409.3	3333.1	3257.0	3223.4	3189.7	3226.2	3262.6	3336.2	3443.9
3356.3	42.5°	3269.7	3183.1	3110.8	3038.7	3011.1	2983.7	3032.0	3080.4	3173.0	3272.3
3168.0	45°	3078.2	2988.3	2919.9	2851.4	2828.0	2805.1	2852.0	2899.1	2988.7	3089.4
3012.9	47.5°	2924.3	2835.7	2768.8	2701.8	2680.2	2658.5	2697.9	2737.4	2814.5	2944.4
2878.0	50°	2798.6	2719.3	2656.2	2593.0	2559.0	2525.1	2560.0	2595.0	2684.6	2855.4
2785.3	52.5°	2711.2	2637.3	2579.5	2521.5	2470.7	2419.8	2454.2	2488.9	2614.1	2810.5
2721.9	55°	2657.2	2592.4	2530.0	2467.5	2395.4	2323.1	2377.7	2432.5	2621.2	2803.9
2669.5	57.5°	2605.3	2541.2	2467.9	2394.6	2316.9	2239.1	2318.9	2398.6	2628.2	2789.4
2595.0	60°	2529.8	2464.7	2380.5	2296.3	2228.3	2160.0	2263.5	2366.8	2606.1	2712.4
2493.3	62.5°	2423.8	2354.3	2256.1	2158.0	2114.7	2071.4	2200.5	2329.8	2551.7	2564.8
2353.3	65°	2286.9	2220.4	2115.1	2010.0	1993.4	1976.7	2114.3	2251.6	2420.8	2419.2
2193.2	67.5°	2130.4	2067.3	1970.1	1873.0	1878.2	1883.5	1997.9	2112.3	2207.3	2211.8
2016.0	70°	1961.6	1907.2	1821.8	1736.5	1754.6	1772.7	1854.1	1935.4	1966.7	1966.7
1806.5	72.5°	1757.4	1708.3	1641.2	1573.9	1600.3	1626.9	1682.7	1738.5	1738.1	1718.3
1566.9	75°	1522.4	1477.9	1427.9	1378.0	1403.5	1428.9	1472.0	1514.9	1522.6	1431.5
1328.2	77.5°	1290.0	1251.7	1211.2	1170.5	1196.3	1222.1	1256.5	1291.0	1295.0	1144.9
1066.4	80°	1034.2	1002.0	968.3	934.5	956.2	977.8	1006.8	1035.6	1036.2	856.9
674.7	82.5°	686.0	697.2	700.1	702.9	718.2	733.5	747.6	761.7	753.2	600.2
345.4	85°	376.6	407.8	422.5	437.0	454.2	471.3	486.4	501.5	490.4	376.6
154.1	87.5°	178.0	201.8	202.4	203.0	206.2	209.5	215.5	221.5	207.4	160.1
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°
5248.4	0°	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4	5248.4
5328.6	2.5°	5372.9	5419.2	5465.5	5511.5	5557.6	5600.9	5644.2
5405.5	5°	5495.1	5591.0	5687.1	5782.3	5877.8	5973.5	6069.1
5479.8	7.5°	5604.9	5746.9	5888.9	6034.7	6180.5	6338.2	6496.1
5546.1	10°	5693.9	5866.5	6038.9	6231.5	6424.2	6623.8	6823.4
5574.5	12.5°	5741.9	5945.3	6148.7	6367.0	6585.3	6804.4	7023.8
5552.5	15°	5746.3	5980.5	6214.7	6451.6	6688.4	6917.0	7145.6
5456.9	17.5°	5689.9	5961.8	6233.7	6492.1	6750.5	6982.3	7214.1
5291.9	20°	5580.7	5910.2	6239.7	6523.7	6807.7	7048.7	7289.6
5098.4	22.5°	5446.2	5847.0	6247.8	6566.4	6884.8	7131.1	7377.2
4882.3	25°	5289.7	5784.5	6279.6	6643.7	7007.6	7248.7	7490.0
4684.7	27.5°	5139.7	5742.9	6346.0	6764.6	7182.9	7413.1	7643.0
4519.6	30°	5009.2	5723.3	6437.1	6921.0	7405.0	7627.1	7849.5
4377.2	32.5°	4882.3	5699.2	6515.6	7084.4	7653.1	7873.0	8093.2
4237.2	35°	4734.5	5653.6	6573.2	7270.5	7967.7	8178.6	8389.2
4072.5	37.5°	4543.9	5575.7	6607.5	7478.9	8350.4	8619.0	8887.7
3875.9	40°	4307.9	5468.4	6629.0	7743.5	8857.9	9249.4	9640.9
3659.0	42.5°	4045.7	5357.6	6669.9	8089.7	9509.6	10074.7	10639.8
3428.6	45°	3767.8	5254.7	6741.8	8545.3	10348.8	11111.1	11873.4
3246.3	47.5°	3548.2	5169.7	6791.1	9030.7	11270.2	12343.3	13416.1
3125.3	50°	3395.2	5077.0	6758.9	9481.0	12203.1	13820.7	15438.2
3045.5	52.5°	3280.8	4920.6	6560.5	9773.4	12986.1	15372.7	17759.3
2987.7	55°	3171.6	4661.2	6150.7	9709.0	13267.1	16748.7	20230.4
2919.3	57.5°	3049.2	4295.4	5541.5	9255.4	12969.6	17723.8	22478.0
2814.5	60°	2916.6	3820.5	4724.4	8411.4	12098.4	17967.5	23836.4
2632.5	62.5°	2700.3	3252.2	3804.0	7270.1	10736.1	16941.4	23146.7
2451.2	65°	2483.2	2740.8	2998.4	6105.6	9212.9	15489.5	21766.1
2194.0	67.5°	2176.1	2249.4	2322.5	4964.9	7607.2	13761.7	19916.2
1883.9	70°	1800.9	1780.2	1759.2	3909.1	6059.1	11876.4	17693.8
1600.9	72.5°	1483.3	1420.1	1357.0	2988.5	4620.1	9832.6	15045.4
1299.8	75°	1168.1	1110.9	1053.7	2169.1	3284.4	7489.8	11695.2
1017.1	77.5°	889.2	850.1	811.2	1469.8	2128.4	5242.2	8356.0
748.8	80°	640.4	624.3	608.2	947.0	1285.9	3377.4	5469.0
520.4	82.5°	440.7	437.4	434.6	582.4	730.7	1954.8	3179.1
318.2	85°	259.8	261.4	262.8	311.4	360.1	879.3	1398.7
136.1	87.5°	112.4	113.8	115.2	129.1	143.0	288.0	433.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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