

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: P953597

Luminaire Tested: **GALN-SB7A-835-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953597  
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-SB7A-835-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

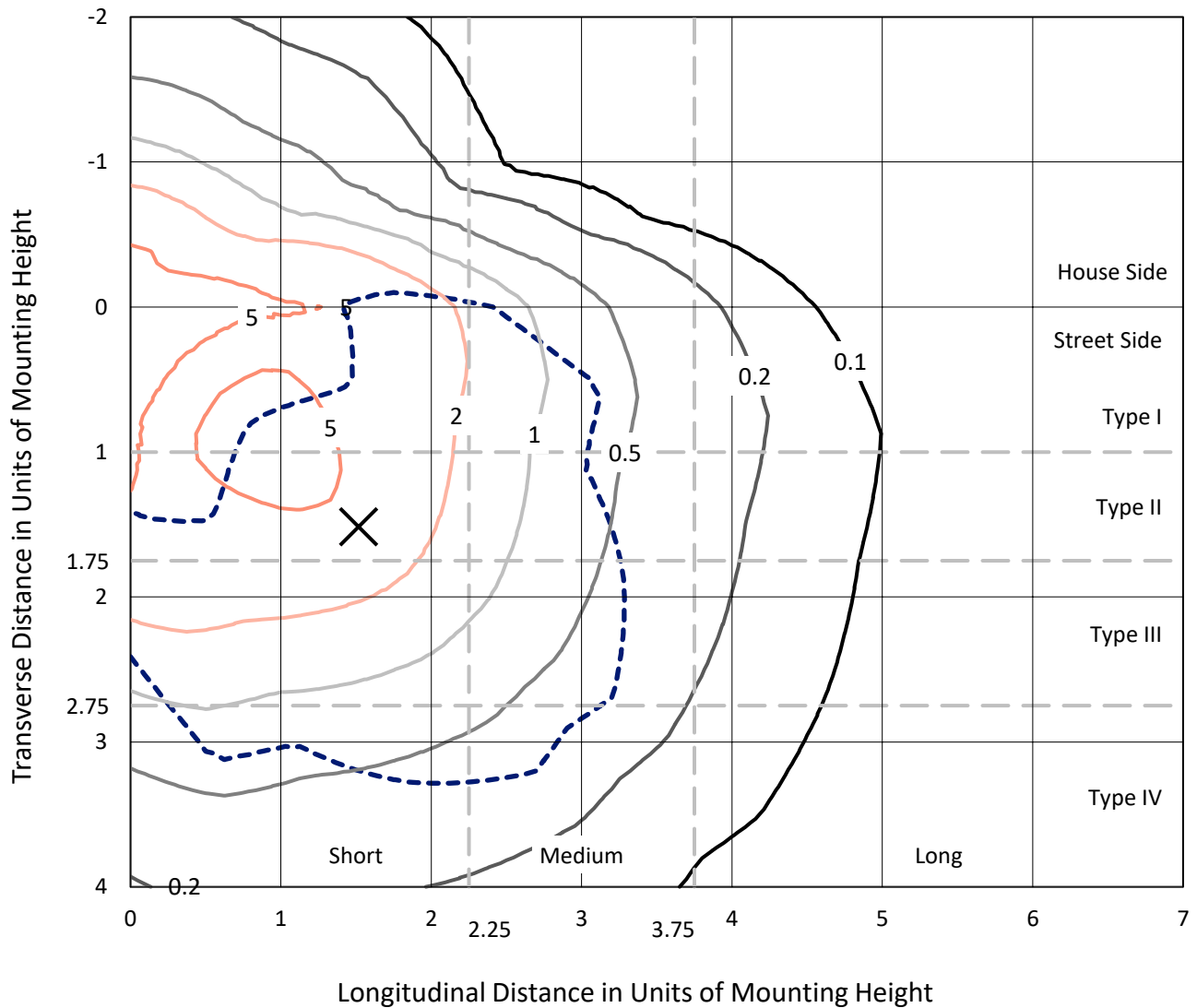
Lumens per Lamp: N/A  
Luminaire Lumens: 29484 lumens  
Efficiency: N/A  
Efficacy: 148.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): 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

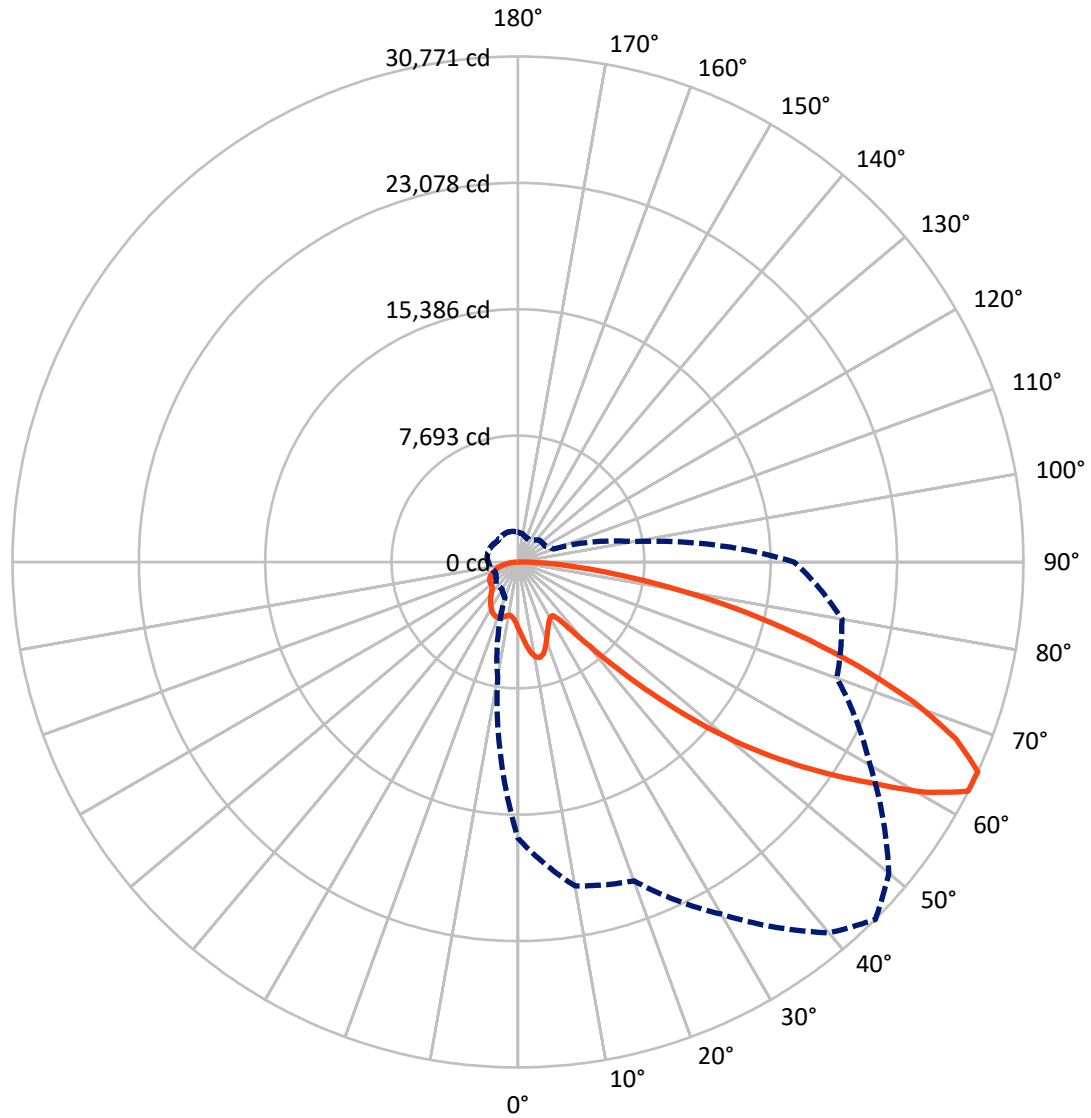
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	7493.3	0.0	7493.3
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	21990.7	0.0	21990.7
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	29484.0	0.0	29484.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	402.2	1.4
10°-20°	1262.5	4.3
20°-30°	1950.2	6.6
30°-40°	2471.4	8.4
40°-50°	3727.5	12.6
50°-60°	6022.3	20.4
60°-70°	7507.7	25.5
70°-80°	4923.2	16.7
80°-90°	1217.1	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°	29484.0	100.0
0°-180°	29484.0	100.0



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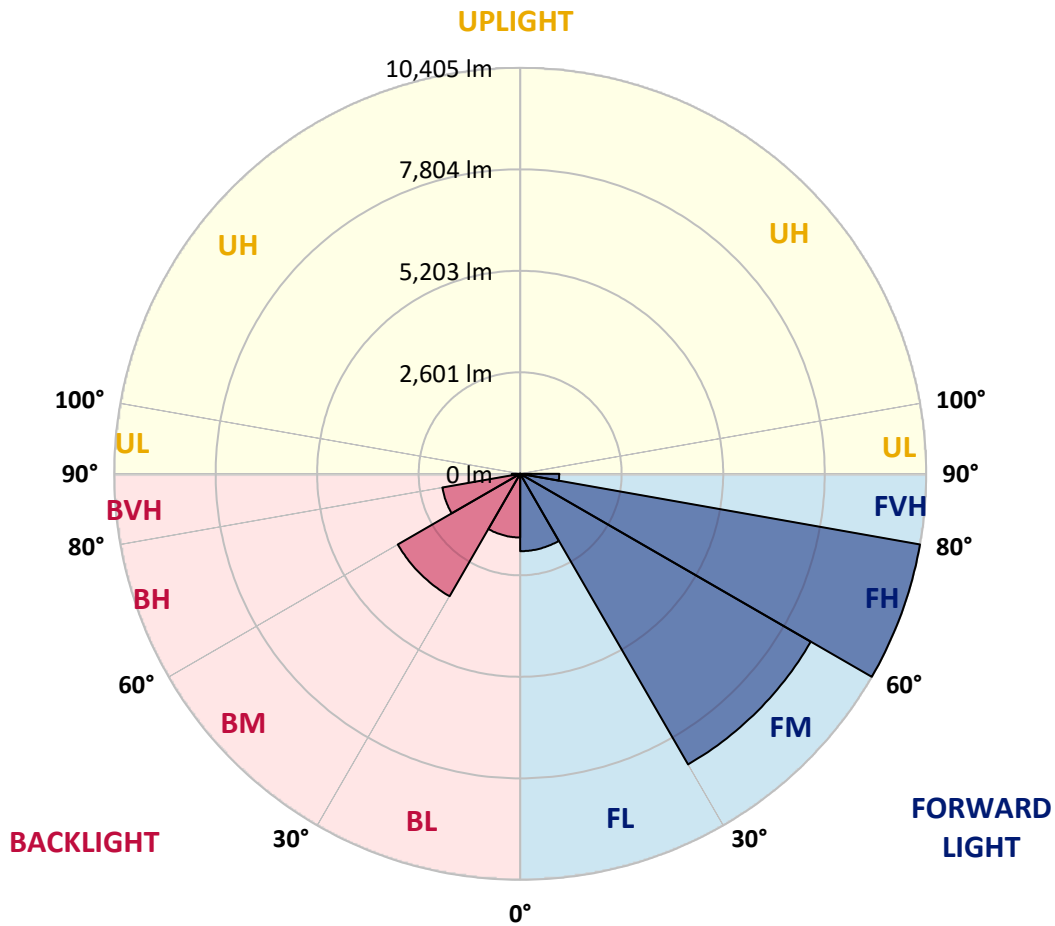
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1983.1	6.7			
FM (30°-60°)	8599.8	29.2			
FH (60°-80°)	10405.0	35.3			G4/12000
FVH (80°-90°)	1002.6	3.4			G5
BL (0°-30°)	1631.8	5.5	B3/2500		
BM (30°-60°)	3621.2	12.3	B3/5000		
BH (60°-80°)	2025.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	214.5	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

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

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
2.5°	4360.0	4376.5	4393.1	4416.6	4440.1	4454.1	4468.1	4475.1	4482.1	4479.0
5°	4688.3	4746.0	4803.9	4861.1	4918.5	4949.6	4980.8	4999.6	5018.6	5032.9
7.5°	5018.1	5112.1	5205.9	5290.4	5374.8	5425.7	5476.6	5504.1	5531.5	5544.7
10°	5270.9	5382.0	5493.1	5592.2	5691.3	5751.3	5811.1	5837.8	5864.4	5874.5
12.5°	5425.7	5546.1	5666.4	5756.0	5845.3	5888.9	5932.4	5947.0	5961.7	5963.2
15°	5519.8	5623.8	5727.5	5783.7	5840.0	5841.6	5843.1	5827.6	5812.0	5793.6
17.5°	5572.7	5642.9	5713.1	5714.1	5715.1	5652.1	5589.1	5531.3	5473.5	5432.7
20°	5631.1	5655.5	5680.1	5606.2	5532.3	5393.2	5254.1	5152.8	5051.5	4989.3
22.5°	5698.7	5666.7	5634.6	5481.6	5328.5	5123.9	4919.3	4792.7	4666.0	4597.3
25°	5785.9	5684.7	5583.6	5351.2	5118.8	4870.3	4621.8	4488.7	4355.8	4290.8
27.5°	5904.1	5723.3	5542.4	5234.5	4926.8	4651.4	4376.0	4245.0	4114.2	4052.7
30°	6063.6	5794.0	5524.5	5145.5	4766.5	4479.6	4192.8	4071.3	3949.8	3892.5
32.5°	6251.8	5882.6	5513.6	5084.8	4656.1	4386.5	4116.8	4021.5	3926.0	3884.7
35°	6480.5	6028.7	5577.1	5130.3	4683.6	4496.3	4309.1	4286.9	4264.6	4261.2
37.5°	6865.6	6334.1	5802.7	5396.6	4990.6	4978.4	4966.3	5068.0	5169.8	5222.7
40°	7447.4	6869.4	6291.5	5989.5	5687.5	5900.7	6113.8	6361.2	6608.5	6731.8
42.5°	8219.1	7645.6	7072.2	6898.2	6724.3	7189.2	7654.0	8103.9	8553.9	8818.0
45°	9172.0	8656.9	8141.6	8064.9	7988.0	8732.8	9477.7	10217.0	10956.4	11405.3
47.5°	10363.7	9862.6	9361.3	9345.7	9330.2	10404.6	11478.7	12561.0	13643.2	14278.7
50°	11925.7	11306.6	10687.7	10690.4	10693.0	12077.7	13462.3	14890.9	16319.6	17183.3
52.5°	13718.7	12969.1	12219.7	12143.9	12068.0	13721.9	15375.9	17143.5	18911.0	19946.4
55°	15627.6	14887.0	14146.5	13851.1	13555.6	15396.4	17237.0	19344.3	21451.6	22682.9
57.5°	17363.8	16960.6	16557.1	15964.6	15372.1	17230.8	19089.5	21476.3	23863.0	25390.0
60°	18413.2	19039.5	19666.0	18930.1	18194.3	19953.2	21712.2	24267.6	26823.1	28473.5
62.5°	17880.3	19591.8	21303.3	21220.4	21137.3	22748.6	24360.1	26791.4	29222.6	30748.0
65°	16813.8	18420.2	20026.5	20344.3	20662.0	22709.7	24757.5	27115.1	29472.6	30771.3
67.5°	15384.9	16912.6	18440.4	18589.4	18738.3	20871.9	23005.3	25373.0	27740.7	28758.2
70°	13668.1	15329.8	16991.7	17058.3	17125.0	19033.0	20940.8	22978.4	25015.8	25581.3
72.5°	11622.3	13529.2	15436.2	15484.1	15531.9	17024.7	18517.4	20043.4	21569.3	21626.6
75°	9034.3	11007.9	12981.6	13158.8	13336.0	14497.3	15658.7	16732.9	17807.2	17519.4
77.5°	6454.8	8297.2	10139.6	10393.2	10646.8	11529.7	12412.6	13174.5	13936.5	13441.7
80°	4224.7	5774.7	7324.5	7639.7	7954.9	8621.7	9288.2	9688.3	10088.3	9292.5
82.5°	2455.8	3515.4	4575.2	4927.2	5279.5	5738.4	6197.4	6364.3	6531.1	5905.7
85°	1080.5	1642.9	2205.3	2504.8	2804.3	3181.4	3558.3	3653.1	3747.8	3246.9
87.5°	334.5	523.5	712.5	879.6	1046.7	1235.3	1423.8	1431.9	1439.9	1208.8
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°
4054.3	0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
4482.1	2.5°	4475.1	4468.1	4454.1	4440.1	4416.6	4393.1	4376.5	4360.0	4326.6	4293.1
5018.6	5°	4999.6	4980.8	4949.6	4918.5	4861.1	4803.9	4746.0	4688.3	4614.4	4540.5
5531.5	7.5°	5504.1	5476.6	5425.7	5374.8	5290.4	5205.9	5112.1	5018.1	4896.1	4774.3
5864.4	10°	5837.8	5811.1	5751.3	5691.3	5592.2	5493.1	5382.0	5270.9	5116.7	4962.6
5961.7	12.5°	5947.0	5932.4	5888.9	5845.3	5756.0	5666.4	5546.1	5425.7	5256.3	5087.0
5812.0	15°	5827.6	5843.1	5841.6	5840.0	5783.7	5727.5	5623.8	5519.8	5343.2	5166.7
5473.5	17.5°	5531.3	5589.1	5652.1	5715.1	5714.1	5713.1	5642.9	5572.7	5393.7	5214.6
5051.5	20°	5152.8	5254.1	5393.2	5532.3	5606.2	5680.1	5655.5	5631.1	5445.0	5258.8
4666.0	22.5°	4792.7	4919.3	5123.9	5328.5	5481.6	5634.6	5666.7	5698.7	5508.6	5318.4
4355.8	25°	4488.7	4621.8	4870.3	5118.8	5351.2	5583.6	5684.7	5785.9	5599.5	5413.3
4114.2	27.5°	4245.0	4376.0	4651.4	4926.8	5234.5	5542.4	5723.3	5904.1	5726.4	5548.6
3949.8	30°	4071.3	4192.8	4479.6	4766.5	5145.5	5524.5	5794.0	6063.6	5891.8	5720.2
3926.0	32.5°	4021.5	4116.8	4386.5	4656.1	5084.8	5513.6	5882.6	6251.8	6081.8	5911.9
4264.6	35°	4286.9	4309.1	4496.3	4683.6	5130.3	5577.1	6028.7	6480.5	6317.8	6154.9
5169.8	37.5°	5068.0	4966.3	4978.4	4990.6	5396.6	5802.7	6334.1	6865.6	6658.0	6450.5
6608.5	40°	6361.2	6113.8	5900.7	5687.5	5989.5	6291.5	6869.4	7447.4	7145.0	6842.5
8553.9	42.5°	8103.9	7654.0	7189.2	6724.3	6898.2	7072.2	7645.6	8219.1	7782.5	7346.0
10956.4	45°	10217.0	9477.7	8732.8	7988.0	8064.9	8141.6	8656.9	9172.0	8583.1	7994.3
13643.2	47.5°	12561.0	11478.7	10404.6	9330.2	9345.7	9361.3	9862.6	10363.7	9534.9	8706.0
16319.6	50°	14890.9	13462.3	12077.7	10693.0	10690.4	10687.7	11306.6	11925.7	10676.2	9426.6
18911.0	52.5°	17143.5	15375.9	13721.9	12068.0	12143.9	12219.7	12969.1	13718.7	11875.1	10031.5
21451.6	55°	19344.3	17237.0	15396.4	13555.6	13851.1	14146.5	14887.0	15627.6	12938.0	10248.6
23863.0	57.5°	21476.3	19089.5	17230.8	15372.1	15964.6	16557.1	16960.6	17363.8	13691.3	10018.8
26823.1	60°	24267.6	21712.2	19953.2	18194.3	18930.1	19666.0	19039.5	18413.2	13879.5	9345.7
29222.6	62.5°	26791.4	24360.1	22748.6	21137.3	21220.4	21303.3	19591.8	17880.3	13086.9	8293.4
29472.6	65°	27115.1	24757.5	22709.7	20662.0	20344.3	20026.5	18420.2	16813.8	11965.3	7116.8
27740.7	67.5°	25373.0	23005.3	20871.9	18738.3	18589.4	18440.4	16912.6	15384.9	10630.6	5876.4
25015.8	70°	22978.4	20940.8	19033.0	17125.0	17058.3	16991.7	15329.8	13668.1	9174.3	4680.5
21569.3	72.5°	20043.4	18517.4	17024.7	15531.9	15484.1	15436.2	13529.2	11622.3	7595.5	3568.9
17807.2	75°	16732.9	15658.7	14497.3	13336.0	13158.8	12981.6	11007.9	9034.3	5785.7	2537.1
13936.5	77.5°	13174.5	12412.6	11529.7	10646.8	10393.2	10139.6	8297.2	6454.8	4049.5	1644.1
10088.3	80°	9688.3	9288.2	8621.7	7954.9	7639.7	7324.5	5774.7	4224.7	2609.0	993.4
6531.1	82.5°	6364.3	6197.4	5738.4	5279.5	4927.2	4575.2	3515.4	2455.8	1510.0	564.4
3747.8	85°	3653.1	3558.3	3181.4	2804.3	2504.8	2205.3	1642.9	1080.5	679.2	278.2
1439.9	87.5°	1431.9	1423.8	1235.3	1046.7	879.6	712.5	523.5	334.5	222.5	110.5
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°
4054.3	0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
4257.5	2.5°	4222.0	4186.2	4150.4	4116.2	4082.0	4048.9	4012.0	3982.1	3952.4	3925.5
4466.7	5°	4393.1	4318.9	4244.9	4175.7	4106.4	4041.1	3976.5	3920.2	3863.7	3816.4
4661.7	7.5°	4549.0	4439.4	4329.7	4233.1	4136.4	4047.3	3963.8	3888.8	3813.9	3751.7
4813.7	10°	4664.9	4531.8	4398.4	4284.2	4169.7	4059.7	3970.0	3890.9	3811.9	3749.7
4918.4	12.5°	4749.7	4592.6	4435.5	4306.2	4176.9	4061.3	3977.8	3913.0	3848.6	3807.2
4983.7	15°	4800.8	4619.8	4438.9	4289.2	4139.6	4011.5	3944.6	3913.7	3882.9	3888.5
5015.0	17.5°	4815.4	4605.4	4395.3	4215.3	4035.3	3884.7	3843.5	3854.9	3866.1	3933.9
5039.4	20°	4820.0	4565.5	4311.0	4087.9	3864.8	3689.5	3678.6	3731.5	3784.4	3902.2
5072.4	22.5°	4826.3	4516.7	4207.1	3938.4	3669.7	3470.1	3491.4	3569.7	3647.9	3782.4
5132.1	25°	4850.9	4468.4	4086.2	3771.5	3456.9	3252.3	3309.9	3400.1	3490.3	3611.2
5225.5	27.5°	4902.2	4436.2	3970.3	3618.8	3267.4	3081.2	3151.2	3238.3	3325.4	3424.8
5346.4	30°	4972.5	4421.2	3869.5	3491.3	3113.1	2956.7	3011.6	3080.7	3150.1	3232.6
5472.5	32.5°	5033.2	4402.5	3771.5	3381.3	2990.9	2864.9	2889.4	2930.3	2971.2	3037.0
5616.3	35°	5077.7	4367.3	3657.3	3273.2	2889.0	2784.0	2773.9	2785.1	2796.5	2846.7
5777.3	37.5°	5104.1	4307.1	3510.1	3145.9	2781.7	2689.9	2652.9	2640.4	2628.0	2664.1
5981.7	40°	5120.8	4224.2	3327.8	2994.1	2660.3	2577.1	2520.3	2492.2	2464.0	2490.0
6249.2	42.5°	5152.4	4138.6	3125.2	2826.5	2527.8	2451.1	2379.5	2342.2	2304.9	2326.0
6601.1	45°	5207.9	4059.1	2910.5	2648.5	2386.5	2308.7	2239.5	2203.1	2166.9	2184.6
6976.0	47.5°	5246.0	3993.5	2740.9	2507.7	2274.5	2174.2	2114.6	2084.1	2053.6	2070.4
7323.9	50°	5221.1	3921.9	2622.7	2414.2	2205.8	2073.8	2004.6	1977.5	1950.6	1976.7
7549.8	52.5°	5067.9	3801.0	2534.3	2352.6	2171.1	2019.4	1922.6	1895.8	1869.2	1908.6
7500.0	55°	4751.3	3600.6	2450.0	2308.0	2165.9	2024.8	1879.0	1836.7	1794.6	1850.4
7149.6	57.5°	4280.7	3318.1	2355.4	2255.1	2154.7	2030.3	1852.9	1791.3	1729.7	1789.7
6497.6	60°	3649.5	2951.3	2253.0	2174.2	2095.3	2013.2	1828.3	1748.5	1668.5	1721.3
5616.0	62.5°	2938.5	2512.2	2086.0	2033.5	1981.3	1971.1	1799.7	1699.8	1600.1	1633.5
4716.4	65°	2316.2	2117.2	1918.2	1893.5	1868.8	1870.0	1739.3	1633.2	1527.0	1539.9
3835.3	67.5°	1794.1	1737.6	1681.0	1694.8	1708.5	1705.1	1631.7	1543.3	1454.9	1450.9
3019.7	70°	1359.0	1375.1	1391.2	1455.3	1519.2	1519.2	1495.1	1432.2	1369.4	1355.4
2308.6	72.5°	1048.3	1097.0	1145.8	1236.7	1327.4	1342.6	1342.9	1299.8	1256.7	1236.2
1675.6	75°	814.0	858.2	902.3	1004.1	1105.8	1176.2	1170.2	1137.1	1103.8	1084.2
1135.4	77.5°	626.7	656.7	686.9	785.7	884.4	1000.4	997.2	970.6	944.0	924.1
731.5	80°	469.8	482.3	494.7	578.4	662.0	800.4	800.0	777.7	755.3	738.7
449.9	82.5°	335.7	337.9	340.4	402.0	463.6	581.9	588.4	577.5	566.6	554.8
240.5	85°	203.0	201.9	200.7	245.8	290.9	378.8	387.4	375.7	364.0	350.8
99.7	87.5°	89.0	87.9	86.8	105.2	123.7	160.2	171.1	166.5	161.8	159.3
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°
4054.3	0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
3898.7	2.5°	3875.2	3851.7	3828.1	3804.6	3786.4	3768.0	3753.3	3738.5	3727.0	3715.5
3769.3	5°	3727.6	3685.9	3648.1	3610.1	3581.0	3551.8	3531.4	3511.0	3496.6	3482.1
3689.5	7.5°	3637.0	3584.5	3538.1	3491.9	3457.2	3422.7	3398.4	3374.1	3357.5	3341.0
3687.5	10°	3631.0	3574.4	3522.2	3470.1	3428.7	3387.2	3360.1	3332.7	3317.0	3301.3
3766.2	12.5°	3721.7	3677.5	3623.5	3569.7	3516.8	3463.9	3428.9	3393.9	3376.3	3358.9
3894.1	15°	3882.5	3871.0	3824.2	3777.4	3702.1	3626.8	3573.6	3520.4	3495.9	3471.7
4001.7	17.5°	4037.8	4073.8	4035.9	3998.3	3898.6	3798.8	3720.4	3642.0	3605.9	3569.7
4020.1	20°	4095.5	4171.0	4153.6	4136.0	4021.9	3908.1	3811.9	3715.9	3669.7	3623.4
3917.1	22.5°	4015.3	4113.4	4124.0	4134.4	4025.5	3916.6	3817.7	3718.6	3669.9	3621.0
3732.3	25°	3828.9	3925.5	3961.6	3997.5	3908.2	3819.1	3731.0	3643.3	3601.0	3558.8
3524.1	27.5°	3601.6	3679.1	3719.2	3759.5	3695.9	3632.4	3564.1	3495.8	3467.5	3439.0
3315.0	30°	3379.3	3443.7	3476.3	3509.0	3460.6	3412.1	3363.2	3314.1	3299.6	3285.0
3103.0	32.5°	3164.6	3226.3	3262.6	3299.0	3254.5	3209.8	3170.8	3131.7	3122.2	3112.8
2896.8	35°	2957.8	3018.9	3062.5	3106.1	3074.3	3042.8	3006.7	2970.7	2956.3	2941.9
2700.0	37.5°	2760.8	2821.8	2875.7	2929.5	2914.9	2900.2	2867.1	2833.8	2807.5	2781.4
2516.0	40°	2574.8	2633.6	2695.5	2757.6	2761.2	2764.6	2736.4	2708.3	2670.0	2632.0
2347.3	42.5°	2403.0	2458.9	2525.8	2592.7	2610.6	2628.5	2604.6	2581.0	2533.6	2486.1
2202.6	45°	2255.5	2308.4	2377.8	2447.2	2472.9	2498.5	2477.1	2455.8	2401.5	2347.3
2087.0	47.5°	2138.9	2190.5	2259.0	2327.4	2357.0	2386.5	2371.6	2356.7	2308.4	2260.2
2003.0	50°	2051.9	2100.6	2161.9	2223.2	2261.1	2299.1	2298.2	2297.5	2259.0	2220.4
1947.8	52.5°	1992.6	2037.3	2094.4	2151.6	2196.6	2241.5	2249.6	2257.7	2226.3	2194.9
1906.1	55°	1954.3	2002.6	2052.7	2102.6	2150.2	2198.0	2209.2	2220.4	2193.0	2165.6
1849.8	57.5°	1906.4	1963.1	2012.5	2062.2	2110.2	2158.1	2169.5	2180.9	2153.2	2125.5
1773.9	60°	1838.9	1903.9	1954.2	2004.6	2052.8	2101.1	2113.5	2125.9	2098.9	2072.0
1667.0	62.5°	1742.8	1818.7	1872.4	1926.0	1970.2	2014.4	2026.4	2038.4	2013.9	1989.5
1552.6	65°	1633.9	1715.2	1766.6	1817.9	1856.8	1895.7	1908.0	1920.1	1896.6	1873.1
1446.9	67.5°	1521.8	1597.0	1645.7	1694.2	1727.8	1761.4	1773.4	1785.2	1763.6	1742.1
1341.4	70°	1407.3	1473.3	1515.3	1557.3	1587.7	1618.0	1629.5	1641.0	1623.4	1605.9
1215.8	72.5°	1267.8	1319.6	1357.6	1395.5	1425.2	1454.9	1468.6	1482.3	1467.7	1453.1
1064.4	75°	1103.0	1141.6	1176.0	1210.4	1237.4	1264.5	1278.8	1293.1	1286.0	1278.8
904.2	77.5°	935.6	966.9	996.5	1026.0	1054.5	1082.8	1096.2	1109.6	1099.6	1089.3
721.9	80°	748.0	774.0	798.9	823.8	845.4	866.9	884.6	902.3	898.0	893.8
543.0	82.5°	540.8	538.6	529.9	521.2	567.2	613.3	643.5	673.6	671.8	669.8
337.6	85°	326.4	315.0	290.9	266.8	309.9	353.2	390.5	427.8	424.7	421.6
156.8	87.5°	156.4	155.9	137.5	119.0	137.1	155.3	170.4	185.4	181.7	177.7
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4054.3	0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
3704.9	2.5°	3694.1	3680.9	3694.1	3704.9	3715.5	3727.0	3738.5	3753.3	3768.0	3786.4
3471.1	5°	3460.0	3449.1	3460.0	3471.1	3482.1	3496.6	3511.0	3531.4	3551.8	3581.0
3331.0	7.5°	3321.2	3313.8	3321.2	3331.0	3341.0	3357.5	3374.1	3398.4	3422.7	3457.2
3292.9	10°	3284.5	3281.1	3284.5	3292.9	3301.3	3317.0	3332.7	3360.1	3387.2	3428.7
3351.7	12.5°	3344.6	3343.3	3344.6	3351.7	3358.9	3376.3	3393.9	3428.9	3463.9	3516.8
3462.3	15°	3453.0	3452.2	3453.0	3462.3	3471.7	3495.9	3520.4	3573.6	3626.8	3702.1
3557.9	17.5°	3545.9	3544.0	3545.9	3557.9	3569.7	3605.9	3642.0	3720.4	3798.8	3898.6
3608.6	20°	3593.8	3589.1	3593.8	3608.6	3623.4	3669.7	3715.9	3811.9	3908.1	4021.9
3604.7	22.5°	3588.4	3581.4	3588.4	3604.7	3621.0	3669.9	3718.6	3817.7	3916.6	4025.5
3543.4	25°	3528.1	3519.1	3528.1	3543.4	3558.8	3601.0	3643.3	3731.0	3819.1	3908.2
3432.0	27.5°	3425.0	3422.7	3425.0	3432.0	3439.0	3467.5	3495.8	3564.1	3632.4	3695.9
3285.0	30°	3285.0	3287.3	3285.0	3285.0	3285.0	3299.6	3314.1	3363.2	3412.1	3460.6
3114.0	32.5°	3115.4	3117.7	3115.4	3114.0	3112.8	3122.2	3131.7	3170.8	3209.8	3254.5
2938.8	35°	2935.7	2934.2	2935.7	2938.8	2941.9	2956.3	2970.7	3006.7	3042.8	3074.3
2767.5	37.5°	2753.7	2745.9	2753.7	2767.5	2781.4	2807.5	2833.8	2867.1	2900.2	2914.9
2606.2	40°	2580.7	2565.4	2580.7	2606.2	2632.0	2670.0	2708.3	2736.4	2764.6	2761.2
2448.6	42.5°	2411.1	2386.5	2411.1	2448.6	2486.1	2533.6	2581.0	2604.6	2628.5	2610.6
2303.3	45°	2259.3	2231.0	2259.3	2303.3	2347.3	2401.5	2455.8	2477.1	2498.5	2472.9
2219.4	47.5°	2178.8	2151.6	2178.8	2219.4	2260.2	2308.4	2356.7	2371.6	2386.5	2357.0
2182.7	50°	2145.1	2118.9	2145.1	2182.7	2220.4	2259.0	2297.5	2298.2	2299.1	2261.1
2161.1	52.5°	2127.5	2103.4	2127.5	2161.1	2194.9	2226.3	2257.7	2249.6	2241.5	2196.6
2136.1	55°	2106.5	2084.7	2106.5	2136.1	2165.6	2193.0	2220.4	2209.2	2198.0	2150.2
2096.2	57.5°	2066.8	2044.3	2066.8	2096.2	2125.5	2153.2	2180.9	2169.5	2158.1	2110.2
2041.8	60°	2011.6	1988.3	2011.6	2041.8	2072.0	2098.9	2125.9	2113.5	2101.1	2052.8
1957.8	62.5°	1926.0	1898.0	1926.0	1957.8	1989.5	2013.9	2038.4	2026.4	2014.4	1970.2
1842.3	65°	1811.7	1787.6	1811.7	1842.3	1873.1	1896.6	1920.1	1908.0	1895.7	1856.8
1713.5	67.5°	1684.9	1663.1	1684.9	1713.5	1742.1	1763.6	1785.2	1773.4	1761.4	1727.8
1578.5	70°	1551.1	1526.2	1551.1	1578.5	1605.9	1623.4	1641.0	1629.5	1618.0	1587.7
1426.9	72.5°	1401.0	1376.8	1401.0	1426.9	1453.1	1467.7	1482.3	1468.6	1454.9	1425.2
1256.9	75°	1235.0	1211.9	1235.0	1256.9	1278.8	1286.0	1293.1	1278.8	1264.5	1237.4
1067.2	77.5°	1045.2	1026.8	1045.2	1067.2	1089.3	1099.6	1109.6	1096.2	1082.8	1054.5
864.1	80°	834.2	799.7	834.2	864.1	893.8	898.0	902.3	884.6	866.9	845.4
644.7	82.5°	619.5	597.4	619.5	644.7	669.8	671.8	673.6	643.5	613.3	567.2
402.0	85°	382.4	362.5	382.4	402.0	421.6	424.7	427.8	390.5	353.2	309.9
167.7	87.5°	157.4	147.8	157.4	167.7	177.7	181.7	185.4	170.4	155.3	137.1
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4054.3	0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
3804.6	2.5°	3828.1	3851.7	3875.2	3898.7	3925.5	3952.4	3982.1	4012.0	4048.9	4082.0
3610.1	5°	3648.1	3685.9	3727.6	3769.3	3816.4	3863.7	3920.2	3976.5	4041.1	4106.4
3491.9	7.5°	3538.1	3584.5	3637.0	3689.5	3751.7	3813.9	3888.8	3963.8	4047.3	4136.4
3470.1	10°	3522.2	3574.4	3631.0	3687.5	3749.7	3811.9	3890.9	3970.0	4059.7	4169.7
3569.7	12.5°	3623.5	3677.5	3721.7	3766.2	3807.2	3848.6	3913.0	3977.8	4061.3	4176.9
3777.4	15°	3824.2	3871.0	3882.5	3894.1	3888.5	3882.9	3913.7	3944.6	4011.5	4139.6
3998.3	17.5°	4035.9	4073.8	4037.8	4001.7	3933.9	3866.1	3854.9	3843.5	3884.7	4035.3
4136.0	20°	4153.6	4171.0	4095.5	4020.1	3902.2	3784.4	3731.5	3678.6	3689.5	3864.8
4134.4	22.5°	4124.0	4113.4	4015.3	3917.1	3782.4	3647.9	3569.7	3491.4	3470.1	3669.7
3997.5	25°	3961.6	3925.5	3828.9	3732.3	3611.2	3490.3	3400.1	3309.9	3252.3	3456.9
3759.5	27.5°	3719.2	3679.1	3601.6	3524.1	3424.8	3325.4	3238.3	3151.2	3081.2	3267.4
3509.0	30°	3476.3	3443.7	3379.3	3315.0	3232.6	3150.1	3080.7	3011.6	2956.7	3113.1
3299.0	32.5°	3262.6	3226.3	3164.6	3103.0	3037.0	2971.2	2930.3	2889.4	2864.9	2990.9
3106.1	35°	3062.5	3018.9	2957.8	2896.8	2846.7	2796.5	2785.1	2773.9	2784.0	2889.0
2929.5	37.5°	2875.7	2821.8	2760.8	2700.0	2664.1	2628.0	2640.4	2652.9	2689.9	2781.7
2757.6	40°	2695.5	2633.6	2574.8	2516.0	2490.0	2464.0	2492.2	2520.3	2577.1	2660.3
2592.7	42.5°	2525.8	2458.9	2403.0	2347.3	2326.0	2304.9	2342.2	2379.5	2451.1	2527.8
2447.2	45°	2377.8	2308.4	2255.5	2202.6	2184.6	2166.9	2203.1	2239.5	2308.7	2386.5
2327.4	47.5°	2259.0	2190.5	2138.9	2087.0	2070.4	2053.6	2084.1	2114.6	2174.2	2274.5
2223.2	50°	2161.9	2100.6	2051.9	2003.0	1976.7	1950.6	1977.5	2004.6	2073.8	2205.8
2151.6	52.5°	2094.4	2037.3	1992.6	1947.8	1908.6	1869.2	1895.8	1922.6	2019.4	2171.1
2102.6	55°	2052.7	2002.6	1954.3	1906.1	1850.4	1794.6	1836.7	1879.0	2024.8	2165.9
2062.2	57.5°	2012.5	1963.1	1906.4	1849.8	1789.7	1729.7	1791.3	1852.9	2030.3	2154.7
2004.6	60°	1954.2	1903.9	1838.9	1773.9	1721.3	1668.5	1748.5	1828.3	2013.2	2095.3
1926.0	62.5°	1872.4	1818.7	1742.8	1667.0	1633.5	1600.1	1699.8	1799.7	1971.1	1981.3
1817.9	65°	1766.6	1715.2	1633.9	1552.6	1539.9	1527.0	1633.2	1739.3	1870.0	1868.8
1694.2	67.5°	1645.7	1597.0	1521.8	1446.9	1450.9	1454.9	1543.3	1631.7	1705.1	1708.5
1557.3	70°	1515.3	1473.3	1407.3	1341.4	1355.4	1369.4	1432.2	1495.1	1519.2	1519.2
1395.5	72.5°	1357.6	1319.6	1267.8	1215.8	1236.2	1256.7	1299.8	1342.9	1342.6	1327.4
1210.4	75°	1176.0	1141.6	1103.0	1064.4	1084.2	1103.8	1137.1	1170.2	1176.2	1105.8
1026.0	77.5°	996.5	966.9	935.6	904.2	924.1	944.0	970.6	997.2	1000.4	884.4
823.8	80°	798.9	774.0	748.0	721.9	738.7	755.3	777.7	800.0	800.4	662.0
521.2	82.5°	529.9	538.6	540.8	543.0	554.8	566.6	577.5	588.4	581.9	463.6
266.8	85°	290.9	315.0	326.4	337.6	350.8	364.0	375.7	387.4	378.8	290.9
119.0	87.5°	137.5	155.9	156.4	156.8	159.3	161.8	166.5	171.1	160.2	123.7
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°
4054.3	0°	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3	4054.3
4116.2	2.5°	4150.4	4186.2	4222.0	4257.5	4293.1	4326.6	4360.0
4175.7	5°	4244.9	4318.9	4393.1	4466.7	4540.5	4614.4	4688.3
4233.1	7.5°	4329.7	4439.4	4549.0	4661.7	4774.3	4896.1	5018.1
4284.2	10°	4398.4	4531.8	4664.9	4813.7	4962.6	5116.7	5270.9
4306.2	12.5°	4435.5	4592.6	4749.7	4918.4	5087.0	5256.3	5425.7
4289.2	15°	4438.9	4619.8	4800.8	4983.7	5166.7	5343.2	5519.8
4215.3	17.5°	4395.3	4605.4	4815.4	5015.0	5214.6	5393.7	5572.7
4087.9	20°	4311.0	4565.5	4820.0	5039.4	5258.8	5445.0	5631.1
3938.4	22.5°	4207.1	4516.7	4826.3	5072.4	5318.4	5508.6	5698.7
3771.5	25°	4086.2	4468.4	4850.9	5132.1	5413.3	5599.5	5785.9
3618.8	27.5°	3970.3	4436.2	4902.2	5225.5	5548.6	5726.4	5904.1
3491.3	30°	3869.5	4421.2	4972.5	5346.4	5720.2	5891.8	6063.6
3381.3	32.5°	3771.5	4402.5	5033.2	5472.5	5911.9	6081.8	6251.8
3273.2	35°	3657.3	4367.3	5077.7	5616.3	6154.9	6317.8	6480.5
3145.9	37.5°	3510.1	4307.1	5104.1	5777.3	6450.5	6658.0	6865.6
2994.1	40°	3327.8	4224.2	5120.8	5981.7	6842.5	7145.0	7447.4
2826.5	42.5°	3125.2	4138.6	5152.4	6249.2	7346.0	7782.5	8219.1
2648.5	45°	2910.5	4059.1	5207.9	6601.1	7994.3	8583.1	9172.0
2507.7	47.5°	2740.9	3993.5	5246.0	6976.0	8706.0	9534.9	10363.7
2414.2	50°	2622.7	3921.9	5221.1	7323.9	9426.6	10676.2	11925.7
2352.6	52.5°	2534.3	3801.0	5067.9	7549.8	10031.5	11875.1	13718.7
2308.0	55°	2450.0	3600.6	4751.3	7500.0	10248.6	12938.0	15627.6
2255.1	57.5°	2355.4	3318.1	4280.7	7149.6	10018.8	13691.3	17363.8
2174.2	60°	2253.0	2951.3	3649.5	6497.6	9345.7	13879.5	18413.2
2033.5	62.5°	2086.0	2512.2	2938.5	5616.0	8293.4	13086.9	17880.3
1893.5	65°	1918.2	2117.2	2316.2	4716.4	7116.8	11965.3	16813.8
1694.8	67.5°	1681.0	1737.6	1794.1	3835.3	5876.4	10630.6	15384.9
1455.3	70°	1391.2	1375.1	1359.0	3019.7	4680.5	9174.3	13668.1
1236.7	72.5°	1145.8	1097.0	1048.3	2308.6	3568.9	7595.5	11622.3
1004.1	75°	902.3	858.2	814.0	1675.6	2537.1	5785.7	9034.3
785.7	77.5°	686.9	656.7	626.7	1135.4	1644.1	4049.5	6454.8
578.4	80°	494.7	482.3	469.8	731.5	993.4	2609.0	4224.7
402.0	82.5°	340.4	337.9	335.7	449.9	564.4	1510.0	2455.8
245.8	85°	200.7	201.9	203.0	240.5	278.2	679.2	1080.5
105.2	87.5°	86.8	87.9	89.0	99.7	110.5	222.5	334.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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