

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: P956600

Luminaire Tested: **GALN-SB9A-950-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956600  
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-950-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

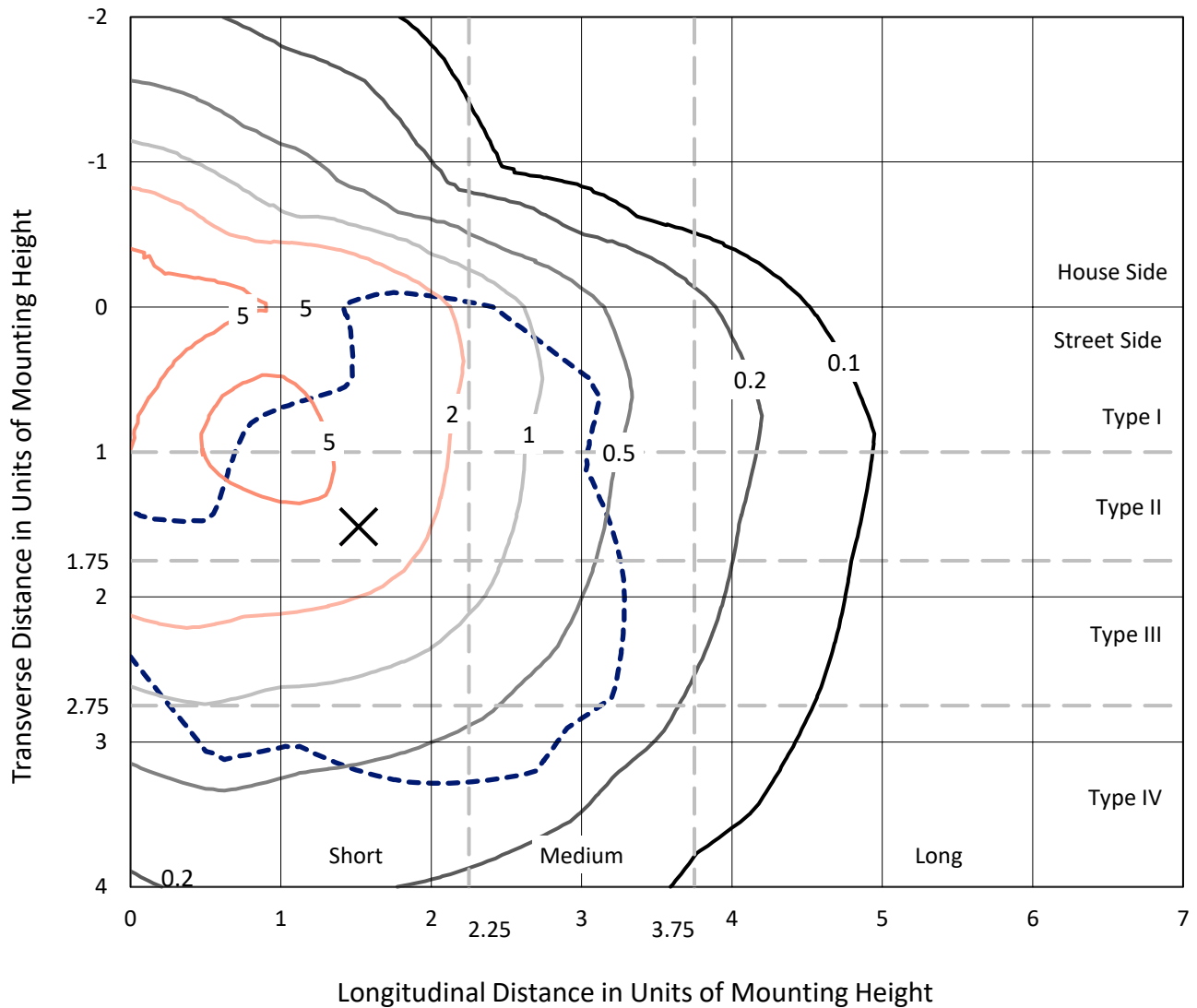
Lumens per Lamp: N/A  
Luminaire Lumens: 28321 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

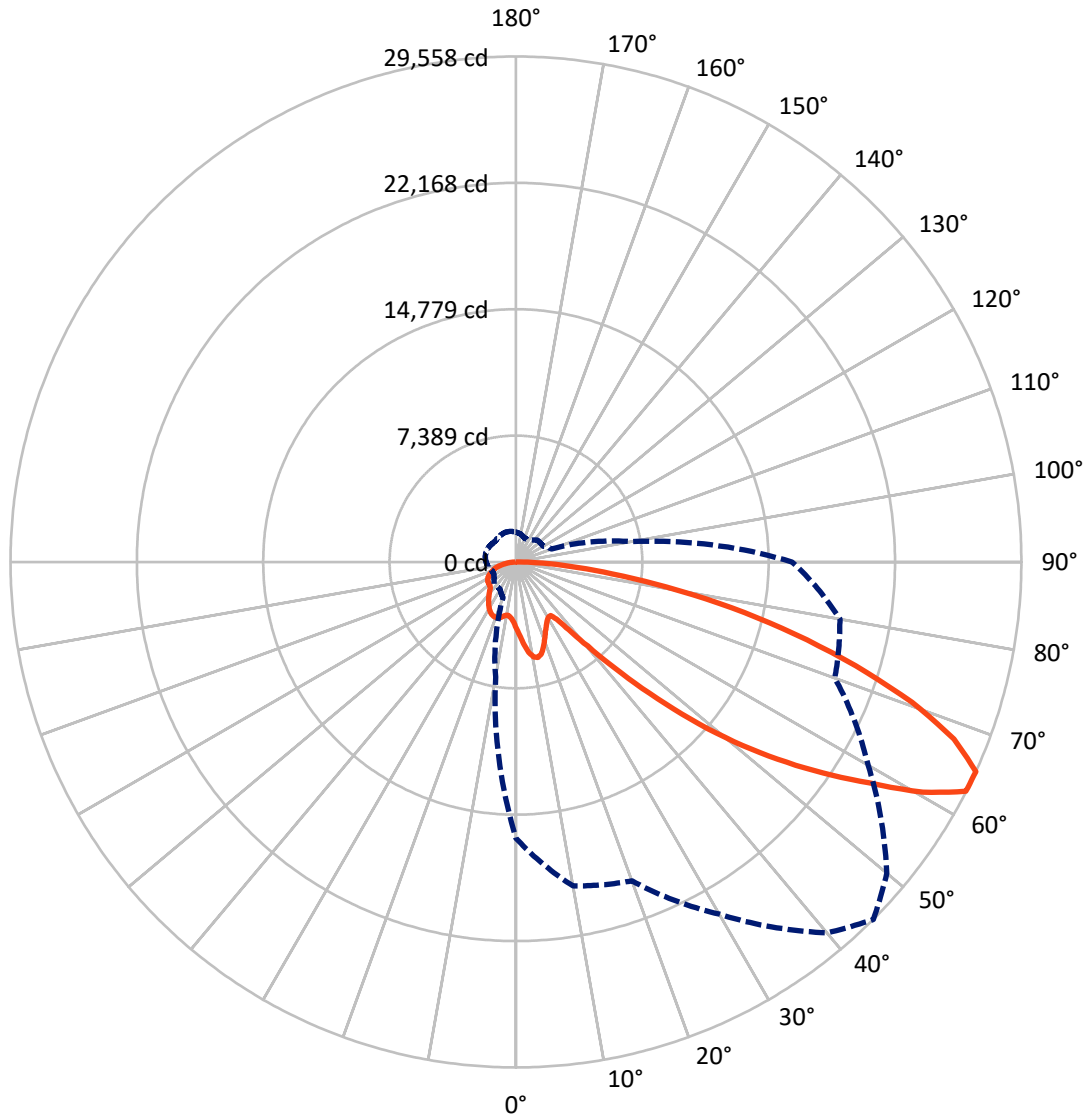
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	7197.8	0.0	7197.8
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	21123.2	0.0	21123.2
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	28321.0	0.0	28321.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.3	1.4
10°-20°	1212.7	4.3
20°-30°	1873.3	6.6
30°-40°	2373.9	8.4
40°-50°	3580.4	12.6
50°-60°	5784.7	20.4
60°-70°	7211.6	25.5
70°-80°	4729.0	16.7
80°-90°	1169.1	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°	28321.0	100.0
0°-180°	28321.0	100.0



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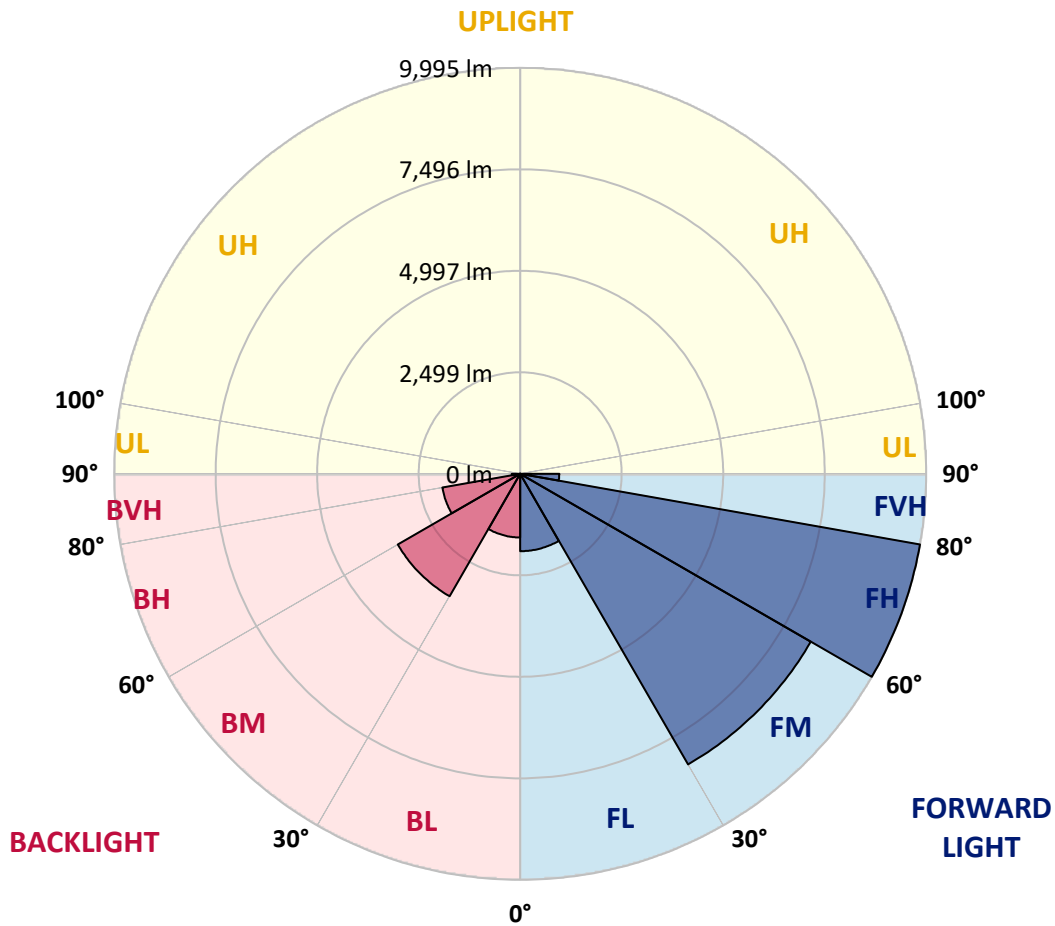
CATALOG NUMBER: GALN-SB9A-950-U-SLL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1904.9	6.7			
FM (30°-60°)	8260.6	29.2			
FH (60°-80°)	9994.6	35.3			G4/12000
FVH (80°-90°)	963.1	3.4			G5
BL (0°-30°)	1567.4	5.5	B3/2500		
BM (30°-60°)	3478.4	12.3	B3/5000		
BH (60°-80°)	1945.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	206.0	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°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
2.5°	4188.0	4203.9	4219.9	4242.4	4265.0	4278.4	4291.9	4298.6	4305.3	4302.3
5°	4503.3	4558.8	4614.4	4669.4	4724.5	4754.4	4784.3	4802.4	4820.6	4834.4
7.5°	4820.2	4910.4	5000.5	5081.7	5162.8	5211.7	5260.6	5287.0	5313.3	5326.0
10°	5063.0	5169.7	5276.4	5371.6	5466.8	5524.5	5581.8	5607.6	5633.1	5642.8
12.5°	5211.7	5327.4	5442.9	5528.9	5614.7	5656.6	5698.4	5712.5	5726.5	5728.0
15°	5302.1	5401.9	5501.6	5555.5	5609.6	5611.1	5612.6	5597.7	5582.7	5565.1
17.5°	5352.9	5420.3	5487.7	5488.7	5489.6	5429.1	5368.6	5313.2	5257.6	5218.4
20°	5408.9	5432.4	5456.0	5385.0	5314.1	5180.5	5046.9	4949.6	4852.3	4792.5
22.5°	5474.0	5443.2	5412.4	5265.3	5118.3	4921.8	4725.3	4603.6	4482.0	4415.9
25°	5557.6	5460.5	5363.4	5140.1	4916.8	4678.2	4439.5	4311.6	4184.0	4121.5
27.5°	5671.2	5497.6	5323.8	5028.0	4732.4	4467.9	4203.4	4077.6	3951.9	3892.9
30°	5824.4	5565.4	5306.6	4942.5	4578.5	4302.9	4027.4	3910.7	3794.0	3739.0
32.5°	6005.2	5650.6	5296.1	4884.3	4472.4	4213.4	3954.5	3862.8	3771.1	3731.5
35°	6224.9	5790.9	5357.1	4927.9	4498.9	4318.9	4139.2	4117.8	4096.4	4093.1
37.5°	6594.7	6084.3	5573.8	5183.7	4793.7	4782.0	4770.4	4868.1	4965.9	5016.7
40°	7153.6	6598.5	6043.3	5753.3	5463.2	5667.9	5872.7	6110.3	6347.9	6466.2
42.5°	7894.9	7344.0	6793.2	6626.1	6459.1	6905.6	7352.1	7784.3	8216.5	8470.2
45°	8810.2	8315.4	7820.4	7746.8	7672.9	8388.3	9103.8	9814.0	10524.2	10955.4
47.5°	9954.9	9473.5	8992.0	8977.1	8962.2	9994.2	11025.9	12065.6	13105.1	13715.5
50°	11455.2	10860.6	10266.2	10268.7	10271.2	11601.3	12931.3	14303.6	15675.9	16505.5
52.5°	13177.5	12457.5	11737.7	11664.9	11592.0	13180.7	14769.4	16467.3	18165.1	19159.6
55°	15011.2	14299.8	13588.5	13304.7	13020.9	14789.1	16557.1	18581.3	20605.4	21788.2
57.5°	16678.9	16291.5	15904.0	15334.8	14765.8	16551.1	18336.5	20629.2	22921.7	24388.5
60°	17686.9	18288.5	18890.3	18183.4	17476.6	19166.2	20855.7	23310.4	25765.1	27350.3
62.5°	17175.0	18819.0	20463.0	20383.3	20303.5	21851.3	23399.2	25734.6	28069.9	29535.1
65°	16150.6	17693.6	19236.5	19541.8	19847.0	21813.9	23781.0	26045.6	28310.0	29557.5
67.5°	14778.0	16245.5	17713.0	17856.2	17999.2	20048.6	22097.8	24372.2	26646.5	27623.8
70°	13129.0	14725.1	16321.4	16385.4	16449.5	18282.2	20114.8	22072.0	24029.1	24572.3
72.5°	11163.8	12995.5	14827.3	14873.4	14919.2	16353.1	17787.0	19252.8	20718.5	20773.5
75°	8677.9	10573.7	12469.5	12639.7	12809.9	13925.5	15041.0	16072.9	17104.8	16828.3
77.5°	6200.2	7969.9	9739.7	9983.3	10226.9	11074.9	11923.0	12654.8	13386.7	12911.5
80°	4058.0	5546.9	7035.6	7338.4	7641.1	8281.6	8921.8	9306.2	9690.4	8926.0
82.5°	2358.9	3376.7	4394.7	4732.9	5071.2	5512.1	5952.9	6113.3	6273.5	5672.7
85°	1037.9	1578.1	2118.3	2406.0	2693.6	3055.9	3418.0	3509.0	3600.0	3118.8
87.5°	321.3	502.9	684.4	844.9	1005.4	1186.5	1367.7	1375.4	1383.1	1161.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
4305.3	2.5°	4298.6	4291.9	4278.4	4265.0	4242.4	4219.9	4203.9	4188.0	4155.9	4123.8
4820.6	5°	4802.4	4784.3	4754.4	4724.5	4669.4	4614.4	4558.8	4503.3	4432.4	4361.4
5313.3	7.5°	5287.0	5260.6	5211.7	5162.8	5081.7	5000.5	4910.4	4820.2	4703.0	4586.0
5633.1	10°	5607.6	5581.8	5524.5	5466.8	5371.6	5276.4	5169.7	5063.0	4914.9	4766.8
5726.5	12.5°	5712.5	5698.4	5656.6	5614.7	5528.9	5442.9	5327.4	5211.7	5048.9	4886.4
5582.7	15°	5597.7	5612.6	5611.1	5609.6	5555.5	5501.6	5401.9	5302.1	5132.5	4962.9
5257.6	17.5°	5313.2	5368.6	5429.1	5489.6	5488.7	5487.7	5420.3	5352.9	5180.9	5008.9
4852.3	20°	4949.6	5046.9	5180.5	5314.1	5385.0	5456.0	5432.4	5408.9	5230.2	5051.3
4482.0	22.5°	4603.6	4725.3	4921.8	5118.3	5265.3	5412.4	5443.2	5474.0	5291.3	5108.6
4184.0	25°	4311.6	4439.5	4678.2	4916.8	5140.1	5363.4	5460.5	5557.6	5378.6	5199.7
3951.9	27.5°	4077.6	4203.4	4467.9	4732.4	5028.0	5323.8	5497.6	5671.2	5500.6	5329.7
3794.0	30°	3910.7	4027.4	4302.9	4578.5	4942.5	5306.6	5565.4	5824.4	5659.4	5494.6
3771.1	32.5°	3862.8	3954.5	4213.4	4472.4	4884.3	5296.1	5650.6	6005.2	5841.9	5678.7
4096.4	35°	4117.8	4139.2	4318.9	4498.9	4927.9	5357.1	5790.9	6224.9	6068.6	5912.1
4965.9	37.5°	4868.1	4770.4	4782.0	4793.7	5183.7	5573.8	6084.3	6594.7	6395.4	6196.0
6347.9	40°	6110.3	5872.7	5667.9	5463.2	5753.3	6043.3	6598.5	7153.6	6863.1	6572.6
8216.5	42.5°	7784.3	7352.1	6905.6	6459.1	6626.1	6793.2	7344.0	7894.9	7475.5	7056.2
10524.2	45°	9814.0	9103.8	8388.3	7672.9	7746.8	7820.4	8315.4	8810.2	8244.6	7678.9
13105.1	47.5°	12065.6	11025.9	9994.2	8962.2	8977.1	8992.0	9473.5	9954.9	9158.8	8362.6
15675.9	50°	14303.6	12931.3	11601.3	10271.2	10268.7	10266.2	10860.6	11455.2	10255.1	9054.8
18165.1	52.5°	16467.3	14769.4	13180.7	11592.0	11664.9	11737.7	12457.5	13177.5	11406.7	9635.8
20605.4	55°	18581.3	16557.1	14789.1	13020.9	13304.7	13588.5	14299.8	15011.2	12427.6	9844.3
22921.7	57.5°	20629.2	18336.5	16551.1	14765.8	15334.8	15904.0	16291.5	16678.9	13151.2	9623.6
25765.1	60°	23310.4	20855.7	19166.2	17476.6	18183.4	18890.3	18288.5	17686.9	13332.1	8977.1
28069.9	62.5°	25734.6	23399.2	21851.3	20303.5	20383.3	20463.0	18819.0	17175.0	12570.7	7966.3
28310.0	65°	26045.6	23781.0	21813.9	19847.0	19541.8	19236.5	17693.6	16150.6	11493.4	6836.1
26646.5	67.5°	24372.2	22097.8	20048.6	17999.2	17856.2	17713.0	16245.5	14778.0	10211.3	5644.6
24029.1	70°	22072.0	20114.8	18282.2	16449.5	16385.4	16321.4	14725.1	13129.0	8812.4	4495.9
20718.5	72.5°	19252.8	17787.0	16353.1	14919.2	14873.4	14827.3	12995.5	11163.8	7295.9	3428.1
17104.8	75°	16072.9	15041.0	13925.5	12809.9	12639.7	12469.5	10573.7	8677.9	5557.5	2437.1
13386.7	77.5°	12654.8	11923.0	11074.9	10226.9	9983.3	9739.7	7969.9	6200.2	3889.7	1579.3
9690.4	80°	9306.2	8921.8	8281.6	7641.1	7338.4	7035.6	5546.9	4058.0	2506.1	954.2
6273.5	82.5°	6113.3	5952.9	5512.1	5071.2	4732.9	4394.7	3376.7	2358.9	1450.5	542.2
3600.0	85°	3509.0	3418.0	3055.9	2693.6	2406.0	2118.3	1578.1	1037.9	652.5	267.2
1383.1	87.5°	1375.4	1367.7	1186.5	1005.4	844.9	684.4	502.9	321.3	213.7	106.1
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
4089.5	2.5°	4055.5	4021.1	3986.7	3953.9	3921.0	3889.2	3853.7	3825.0	3796.5	3770.6
4290.5	5°	4219.9	4148.6	4077.4	4010.9	3944.4	3881.7	3819.7	3765.6	3711.3	3665.9
4477.8	7.5°	4369.6	4264.2	4158.9	4066.1	3973.3	3887.7	3807.4	3735.4	3663.5	3603.7
4623.8	10°	4480.9	4353.0	4224.9	4115.3	4005.3	3899.6	3813.4	3737.5	3661.6	3601.8
4724.4	12.5°	4562.4	4411.4	4260.5	4136.3	4012.1	3901.1	3820.9	3758.7	3696.8	3657.1
4787.1	15°	4611.4	4437.6	4263.8	4120.0	3976.3	3853.3	3789.0	3759.3	3729.7	3735.1
4817.2	17.5°	4625.4	4423.7	4222.0	4049.1	3876.1	3731.5	3691.9	3702.8	3713.6	3778.7
4840.6	20°	4629.9	4385.4	4141.0	3926.7	3712.4	3543.9	3533.5	3584.3	3635.1	3748.2
4872.3	22.5°	4635.9	4338.5	4041.1	3783.0	3525.0	3333.2	3353.7	3428.9	3504.0	3633.2
4929.7	25°	4659.5	4292.2	3925.0	3622.7	3320.5	3124.0	3179.3	3266.0	3352.7	3468.8
5019.4	27.5°	4708.8	4261.3	3813.7	3476.1	3138.5	2959.6	3026.9	3110.6	3194.3	3289.8
5135.5	30°	4776.4	4246.8	3716.8	3353.6	2990.3	2840.1	2892.8	2959.2	3025.8	3105.0
5256.7	32.5°	4834.7	4228.8	3622.7	3247.9	2873.0	2751.9	2775.4	2814.7	2854.0	2917.2
5394.7	35°	4877.4	4195.1	3513.0	3144.0	2775.1	2674.2	2664.5	2675.3	2686.2	2734.4
5549.4	37.5°	4902.8	4137.2	3371.6	3021.8	2672.0	2583.8	2548.2	2536.3	2524.3	2559.0
5745.8	40°	4918.8	4057.6	3196.5	2876.0	2555.4	2475.5	2420.9	2393.9	2366.8	2391.8
6002.7	42.5°	4949.1	3975.4	3001.9	2715.0	2428.1	2354.4	2285.7	2249.8	2213.9	2234.3
6340.7	45°	5002.5	3899.0	2795.7	2544.1	2292.4	2217.7	2151.2	2116.2	2081.4	2098.4
6700.8	47.5°	5039.1	3836.0	2632.8	2408.8	2184.8	2088.4	2031.2	2001.9	1972.6	1988.7
7035.0	50°	5015.2	3767.2	2519.2	2319.0	2118.7	1992.0	1925.5	1899.5	1873.7	1898.8
7252.0	52.5°	4868.0	3651.1	2434.4	2259.8	2085.4	1939.7	1846.8	1821.1	1795.5	1833.3
7204.2	55°	4563.9	3458.6	2353.4	2216.9	2080.5	1944.9	1804.9	1764.3	1723.8	1777.4
6867.6	57.5°	4111.8	3187.2	2262.5	2166.1	2069.7	1950.2	1779.8	1720.6	1661.5	1719.1
6241.3	60°	3505.5	2834.9	2164.2	2088.4	2012.6	1933.7	1756.2	1679.5	1602.7	1653.4
5394.5	62.5°	2822.6	2413.1	2003.7	1953.3	1903.1	1893.4	1728.7	1632.8	1537.0	1569.1
4530.4	65°	2224.8	2033.7	1842.6	1818.8	1795.1	1796.3	1670.7	1568.8	1466.7	1479.1
3684.0	67.5°	1723.3	1669.1	1614.7	1628.0	1641.1	1637.9	1567.3	1482.4	1397.6	1393.7
2900.6	70°	1305.4	1320.9	1336.3	1397.9	1459.3	1459.3	1436.1	1375.7	1315.4	1301.9
2217.5	72.5°	1006.9	1053.7	1100.6	1187.9	1275.0	1289.7	1290.0	1248.6	1207.2	1187.4
1609.5	75°	781.9	824.3	866.7	964.5	1062.2	1129.8	1124.1	1092.2	1060.3	1041.4
1090.6	77.5°	601.9	630.8	659.8	754.7	849.6	960.9	957.9	932.4	906.8	887.7
702.7	80°	451.3	463.3	475.2	555.6	635.9	768.9	768.4	747.0	725.5	709.5
432.2	82.5°	322.5	324.6	327.0	386.2	445.3	558.9	565.2	554.7	544.3	532.9
231.0	85°	195.0	194.0	192.8	236.1	279.5	363.9	372.1	360.9	349.7	337.0
95.8	87.5°	85.5	84.4	83.4	101.0	118.8	153.9	164.4	159.9	155.4	153.0
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3744.9	2.5°	3722.4	3699.8	3677.1	3654.5	3637.0	3619.4	3605.2	3591.0	3580.0	3568.9
3620.6	5°	3580.6	3540.5	3504.2	3467.7	3439.8	3411.7	3392.1	3372.5	3358.6	3344.7
3543.9	7.5°	3493.6	3443.1	3398.5	3354.2	3320.8	3287.7	3264.3	3241.0	3225.0	3209.2
3542.0	10°	3487.8	3433.4	3383.3	3333.2	3293.5	3253.6	3227.6	3201.3	3186.2	3171.1
3617.6	12.5°	3574.9	3532.4	3480.6	3428.9	3378.1	3327.3	3293.6	3260.0	3243.1	3226.4
3740.5	15°	3729.4	3718.3	3673.4	3628.4	3556.1	3483.7	3432.6	3381.5	3358.0	3334.7
3843.9	17.5°	3878.5	3913.1	3876.7	3840.6	3744.8	3649.0	3573.7	3498.4	3463.7	3428.9
3861.5	20°	3934.0	4006.5	3989.7	3972.8	3863.3	3753.9	3661.6	3569.4	3525.0	3480.4
3762.6	22.5°	3856.9	3951.2	3961.3	3971.3	3866.7	3762.1	3667.1	3571.9	3525.1	3478.2
3585.0	25°	3677.8	3770.6	3805.3	3839.8	3754.1	3668.4	3583.8	3499.6	3458.9	3418.4
3385.1	27.5°	3459.5	3533.9	3572.5	3611.2	3550.1	3489.1	3423.5	3357.9	3330.7	3303.4
3184.2	30°	3246.0	3307.8	3339.2	3370.6	3324.1	3277.5	3230.6	3183.4	3169.5	3155.4
2980.6	32.5°	3039.7	3099.1	3133.9	3168.9	3126.1	3083.2	3045.7	3008.2	2999.1	2990.0
2782.6	35°	2841.1	2899.9	2941.7	2983.6	2953.1	2922.7	2888.1	2853.5	2839.6	2825.9
2593.5	37.5°	2651.9	2710.5	2762.2	2813.9	2799.9	2785.8	2754.0	2722.0	2696.8	2671.7
2416.7	40°	2473.2	2529.7	2589.2	2648.8	2652.2	2655.5	2628.5	2601.4	2564.7	2528.2
2254.7	42.5°	2308.2	2361.9	2426.1	2490.4	2507.6	2524.8	2501.9	2479.2	2433.6	2388.0
2115.8	45°	2166.6	2217.4	2284.0	2350.7	2375.3	2400.0	2379.4	2358.9	2306.7	2254.7
2004.7	47.5°	2054.5	2104.1	2169.9	2235.6	2264.0	2292.4	2278.0	2263.7	2217.4	2171.1
1924.0	50°	1971.0	2017.7	2076.6	2135.5	2171.9	2208.4	2207.5	2206.9	2169.9	2132.8
1871.0	52.5°	1914.0	1956.9	2011.7	2066.7	2109.9	2153.1	2160.9	2168.7	2138.5	2108.3
1830.9	55°	1877.3	1923.6	1971.7	2019.7	2065.4	2111.3	2122.0	2132.8	2106.5	2080.2
1776.8	57.5°	1831.2	1885.6	1933.1	1980.8	2027.0	2073.0	2083.9	2094.8	2068.2	2041.6
1703.9	60°	1766.4	1828.8	1877.1	1925.5	1971.8	2018.2	2030.1	2042.1	2016.1	1990.2
1601.2	62.5°	1674.0	1746.9	1798.5	1850.1	1892.5	1934.9	1946.4	1958.0	1934.5	1911.0
1491.4	65°	1569.4	1647.6	1696.9	1746.2	1783.6	1820.9	1832.7	1844.4	1821.8	1799.2
1389.8	67.5°	1461.8	1534.0	1580.8	1627.4	1659.7	1691.9	1703.5	1714.8	1694.0	1673.4
1288.5	70°	1351.8	1415.2	1455.5	1495.9	1525.0	1554.2	1565.2	1576.3	1559.4	1542.5
1167.9	72.5°	1217.8	1267.5	1304.0	1340.5	1369.0	1397.6	1410.7	1423.9	1409.8	1395.8
1022.5	75°	1059.5	1096.6	1129.6	1162.6	1188.6	1214.6	1228.4	1242.1	1235.3	1228.4
868.5	77.5°	898.7	928.8	957.2	985.6	1012.9	1040.1	1052.9	1065.8	1056.2	1046.4
693.4	80°	718.5	743.5	767.4	791.3	812.1	832.7	849.7	866.7	862.6	858.5
521.5	82.5°	519.5	517.4	509.0	500.6	544.9	589.1	618.1	647.1	645.3	643.3
324.3	85°	313.5	302.6	279.5	256.3	297.7	339.2	375.1	411.0	408.0	405.0
150.6	87.5°	150.2	149.7	132.1	114.3	131.7	149.1	163.6	178.1	174.5	170.7
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°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3558.7	2.5°	3548.4	3535.7	3548.4	3558.7	3568.9	3580.0	3591.0	3605.2	3619.4	3637.0
3334.1	5°	3323.5	3313.1	3323.5	3334.1	3344.7	3358.6	3372.5	3392.1	3411.7	3439.8
3199.6	7.5°	3190.2	3183.1	3190.2	3199.6	3209.2	3225.0	3241.0	3264.3	3287.7	3320.8
3163.0	10°	3155.0	3151.7	3155.0	3163.0	3171.1	3186.2	3201.3	3227.6	3253.6	3293.5
3219.5	12.5°	3212.6	3211.4	3212.6	3219.5	3226.4	3243.1	3260.0	3293.6	3327.3	3378.1
3325.8	15°	3316.8	3316.1	3316.8	3325.8	3334.7	3358.0	3381.5	3432.6	3483.7	3556.1
3417.5	17.5°	3406.0	3404.2	3406.0	3417.5	3428.9	3463.7	3498.4	3573.7	3649.0	3744.8
3466.2	20°	3452.0	3447.6	3452.0	3466.2	3480.4	3525.0	3569.4	3661.6	3753.9	3863.3
3462.5	22.5°	3446.8	3440.1	3446.8	3462.5	3478.2	3525.1	3571.9	3667.1	3762.1	3866.7
3403.6	25°	3389.0	3380.3	3389.0	3403.6	3418.4	3458.9	3499.6	3583.8	3668.4	3754.1
3296.6	27.5°	3289.9	3287.7	3289.9	3296.6	3303.4	3330.7	3357.9	3423.5	3489.1	3550.1
3155.4	30°	3155.4	3157.6	3155.4	3155.4	3155.4	3169.5	3183.4	3230.6	3277.5	3324.1
2991.2	32.5°	2992.5	2994.8	2992.5	2991.2	2990.0	2999.1	3008.2	3045.7	3083.2	3126.1
2822.9	35°	2819.9	2818.4	2819.9	2822.9	2825.9	2839.6	2853.5	2888.1	2922.7	2953.1
2658.4	37.5°	2645.1	2637.6	2645.1	2658.4	2671.7	2696.8	2722.0	2754.0	2785.8	2799.9
2503.4	40°	2478.9	2464.2	2478.9	2503.4	2528.2	2564.7	2601.4	2628.5	2655.5	2652.2
2352.0	42.5°	2316.0	2292.4	2316.0	2352.0	2388.0	2433.6	2479.2	2501.9	2524.8	2507.6
2212.4	45°	2170.2	2143.0	2170.2	2212.4	2254.7	2306.7	2358.9	2379.4	2400.0	2375.3
2131.9	47.5°	2092.9	2066.7	2092.9	2131.9	2171.1	2217.4	2263.7	2278.0	2292.4	2264.0
2096.6	50°	2060.5	2035.4	2060.5	2096.6	2132.8	2169.9	2206.9	2207.5	2208.4	2171.9
2075.9	52.5°	2043.6	2020.4	2043.6	2075.9	2108.3	2138.5	2168.7	2160.9	2153.1	2109.9
2051.8	55°	2023.4	2002.5	2023.4	2051.8	2080.2	2106.5	2132.8	2122.0	2111.3	2065.4
2013.5	57.5°	1985.3	1963.6	1985.3	2013.5	2041.6	2068.2	2094.8	2083.9	2073.0	2027.0
1961.2	60°	1932.2	1909.8	1932.2	1961.2	1990.2	2016.1	2042.1	2030.1	2018.2	1971.8
1880.5	62.5°	1850.1	1823.2	1850.1	1880.5	1911.0	1934.5	1958.0	1946.4	1934.9	1892.5
1769.7	65°	1740.2	1717.1	1740.2	1769.7	1799.2	1821.8	1844.4	1832.7	1820.9	1783.6
1645.9	67.5°	1618.4	1597.5	1618.4	1645.9	1673.4	1694.0	1714.8	1703.5	1691.9	1659.7
1516.2	70°	1489.9	1466.0	1489.9	1516.2	1542.5	1559.4	1576.3	1565.2	1554.2	1525.0
1370.7	72.5°	1345.7	1322.5	1345.7	1370.7	1395.8	1409.8	1423.9	1410.7	1397.6	1369.0
1207.3	75°	1186.2	1164.1	1186.2	1207.3	1228.4	1235.3	1242.1	1228.4	1214.6	1188.6
1025.2	77.5°	1003.9	986.3	1003.9	1025.2	1046.4	1056.2	1065.8	1052.9	1040.1	1012.9
830.0	80°	801.3	768.1	801.3	830.0	858.5	862.6	866.7	849.7	832.7	812.1
619.3	82.5°	595.1	573.8	595.1	619.3	643.3	645.3	647.1	618.1	589.1	544.9
386.2	85°	367.3	348.2	367.3	386.2	405.0	408.0	411.0	375.1	339.2	297.7
161.1	87.5°	151.2	142.0	151.2	161.1	170.7	174.5	178.1	163.6	149.1	131.7
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3654.5	2.5°	3677.1	3699.8	3722.4	3744.9	3770.6	3796.5	3825.0	3853.7	3889.2	3921.0
3467.7	5°	3504.2	3540.5	3580.6	3620.6	3665.9	3711.3	3765.6	3819.7	3881.7	3944.4
3354.2	7.5°	3398.5	3443.1	3493.6	3543.9	3603.7	3663.5	3735.4	3807.4	3887.7	3973.3
3333.2	10°	3383.3	3433.4	3487.8	3542.0	3601.8	3661.6	3737.5	3813.4	3899.6	4005.3
3428.9	12.5°	3480.6	3532.4	3574.9	3617.6	3657.1	3696.8	3758.7	3820.9	3901.1	4012.1
3628.4	15°	3673.4	3718.3	3729.4	3740.5	3735.1	3729.7	3759.3	3789.0	3853.3	3976.3
3840.6	17.5°	3876.7	3913.1	3878.5	3843.9	3778.7	3713.6	3702.8	3691.9	3731.5	3876.1
3972.8	20°	3989.7	4006.5	3934.0	3861.5	3748.2	3635.1	3584.3	3533.5	3543.9	3712.4
3971.3	22.5°	3961.3	3951.2	3856.9	3762.6	3633.2	3504.0	3428.9	3353.7	3333.2	3525.0
3839.8	25°	3805.3	3770.6	3677.8	3585.0	3468.8	3352.7	3266.0	3179.3	3124.0	3320.5
3611.2	27.5°	3572.5	3533.9	3459.5	3385.1	3289.8	3194.3	3110.6	3026.9	2959.6	3138.5
3370.6	30°	3339.2	3307.8	3246.0	3184.2	3105.0	3025.8	2959.2	2892.8	2840.1	2990.3
3168.9	32.5°	3133.9	3099.1	3039.7	2980.6	2917.2	2854.0	2814.7	2775.4	2751.9	2873.0
2983.6	35°	2941.7	2899.9	2841.1	2782.6	2734.4	2686.2	2675.3	2664.5	2674.2	2775.1
2813.9	37.5°	2762.2	2710.5	2651.9	2593.5	2559.0	2524.3	2536.3	2548.2	2583.8	2672.0
2648.8	40°	2589.2	2529.7	2473.2	2416.7	2391.8	2366.8	2393.9	2420.9	2475.5	2555.4
2490.4	42.5°	2426.1	2361.9	2308.2	2254.7	2234.3	2213.9	2249.8	2285.7	2354.4	2428.1
2350.7	45°	2284.0	2217.4	2166.6	2115.8	2098.4	2081.4	2116.2	2151.2	2217.7	2292.4
2235.6	47.5°	2169.9	2104.1	2054.5	2004.7	1988.7	1972.6	2001.9	2031.2	2088.4	2184.8
2135.5	50°	2076.6	2017.7	1971.0	1924.0	1898.8	1873.7	1899.5	1925.5	1992.0	2118.7
2066.7	52.5°	2011.7	1956.9	1914.0	1871.0	1833.3	1795.5	1821.1	1846.8	1939.7	2085.4
2019.7	55°	1971.7	1923.6	1877.3	1830.9	1777.4	1723.8	1764.3	1804.9	1944.9	2080.5
1980.8	57.5°	1933.1	1885.6	1831.2	1776.8	1719.1	1661.5	1720.6	1779.8	1950.2	2069.7
1925.5	60°	1877.1	1828.8	1766.4	1703.9	1653.4	1602.7	1679.5	1756.2	1933.7	2012.6
1850.1	62.5°	1798.5	1746.9	1674.0	1601.2	1569.1	1537.0	1632.8	1728.7	1893.4	1903.1
1746.2	65°	1696.9	1647.6	1569.4	1491.4	1479.1	1466.7	1568.8	1670.7	1796.3	1795.1
1627.4	67.5°	1580.8	1534.0	1461.8	1389.8	1393.7	1397.6	1482.4	1567.3	1637.9	1641.1
1495.9	70°	1455.5	1415.2	1351.8	1288.5	1301.9	1315.4	1375.7	1436.1	1459.3	1459.3
1340.5	72.5°	1304.0	1267.5	1217.8	1167.9	1187.4	1207.2	1248.6	1290.0	1289.7	1275.0
1162.6	75°	1129.6	1096.6	1059.5	1022.5	1041.4	1060.3	1092.2	1124.1	1129.8	1062.2
985.6	77.5°	957.2	928.8	898.7	868.5	887.7	906.8	932.4	957.9	960.9	849.6
791.3	80°	767.4	743.5	718.5	693.4	709.5	725.5	747.0	768.4	768.9	635.9
500.6	82.5°	509.0	517.4	519.5	521.5	532.9	544.3	554.7	565.2	558.9	445.3
256.3	85°	279.5	302.6	313.5	324.3	337.0	349.7	360.9	372.1	363.9	279.5
114.3	87.5°	132.1	149.7	150.2	150.6	153.0	155.4	159.9	164.4	153.9	118.8
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):**

325°		330°	335°	340°	345°	350°	355°	360°
3894.4	0°	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4	3894.4
3953.9	2.5°	3986.7	4021.1	4055.5	4089.5	4123.8	4155.9	4188.0
4010.9	5°	4077.4	4148.6	4219.9	4290.5	4361.4	4432.4	4503.3
4066.1	7.5°	4158.9	4264.2	4369.6	4477.8	4586.0	4703.0	4820.2
4115.3	10°	4224.9	4353.0	4480.9	4623.8	4766.8	4914.9	5063.0
4136.3	12.5°	4260.5	4411.4	4562.4	4724.4	4886.4	5048.9	5211.7
4120.0	15°	4263.8	4437.6	4611.4	4787.1	4962.9	5132.5	5302.1
4049.1	17.5°	4222.0	4423.7	4625.4	4817.2	5008.9	5180.9	5352.9
3926.7	20°	4141.0	4385.4	4629.9	4840.6	5051.3	5230.2	5408.9
3783.0	22.5°	4041.1	4338.5	4635.9	4872.3	5108.6	5291.3	5474.0
3622.7	25°	3925.0	4292.2	4659.5	4929.7	5199.7	5378.6	5557.6
3476.1	27.5°	3813.7	4261.3	4708.8	5019.4	5329.7	5500.6	5671.2
3353.6	30°	3716.8	4246.8	4776.4	5135.5	5494.6	5659.4	5824.4
3247.9	32.5°	3622.7	4228.8	4834.7	5256.7	5678.7	5841.9	6005.2
3144.0	35°	3513.0	4195.1	4877.4	5394.7	5912.1	6068.6	6224.9
3021.8	37.5°	3371.6	4137.2	4902.8	5549.4	6196.0	6395.4	6594.7
2876.0	40°	3196.5	4057.6	4918.8	5745.8	6572.6	6863.1	7153.6
2715.0	42.5°	3001.9	3975.4	4949.1	6002.7	7056.2	7475.5	7894.9
2544.1	45°	2795.7	3899.0	5002.5	6340.7	7678.9	8244.6	8810.2
2408.8	47.5°	2632.8	3836.0	5039.1	6700.8	8362.6	9158.8	9954.9
2319.0	50°	2519.2	3767.2	5015.2	7035.0	9054.8	10255.1	11455.2
2259.8	52.5°	2434.4	3651.1	4868.0	7252.0	9635.8	11406.7	13177.5
2216.9	55°	2353.4	3458.6	4563.9	7204.2	9844.3	12427.6	15011.2
2166.1	57.5°	2262.5	3187.2	4111.8	6867.6	9623.6	13151.2	16678.9
2088.4	60°	2164.2	2834.9	3505.5	6241.3	8977.1	13332.1	17686.9
1953.3	62.5°	2003.7	2413.1	2822.6	5394.5	7966.3	12570.7	17175.0
1818.8	65°	1842.6	2033.7	2224.8	4530.4	6836.1	11493.4	16150.6
1628.0	67.5°	1614.7	1669.1	1723.3	3684.0	5644.6	10211.3	14778.0
1397.9	70°	1336.3	1320.9	1305.4	2900.6	4495.9	8812.4	13129.0
1187.9	72.5°	1100.6	1053.7	1006.9	2217.5	3428.1	7295.9	11163.8
964.5	75°	866.7	824.3	781.9	1609.5	2437.1	5557.5	8677.9
754.7	77.5°	659.8	630.8	601.9	1090.6	1579.3	3889.7	6200.2
555.6	80°	475.2	463.3	451.3	702.7	954.2	2506.1	4058.0
386.2	82.5°	327.0	324.6	322.5	432.2	542.2	1450.5	2358.9
236.1	85°	192.8	194.0	195.0	231.0	267.2	652.5	1037.9
101.0	87.5°	83.4	84.4	85.5	95.8	106.1	213.7	321.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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