

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: P951791

Luminaire Tested: **GALN-SB5D-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951791
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-SB5D-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46023 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

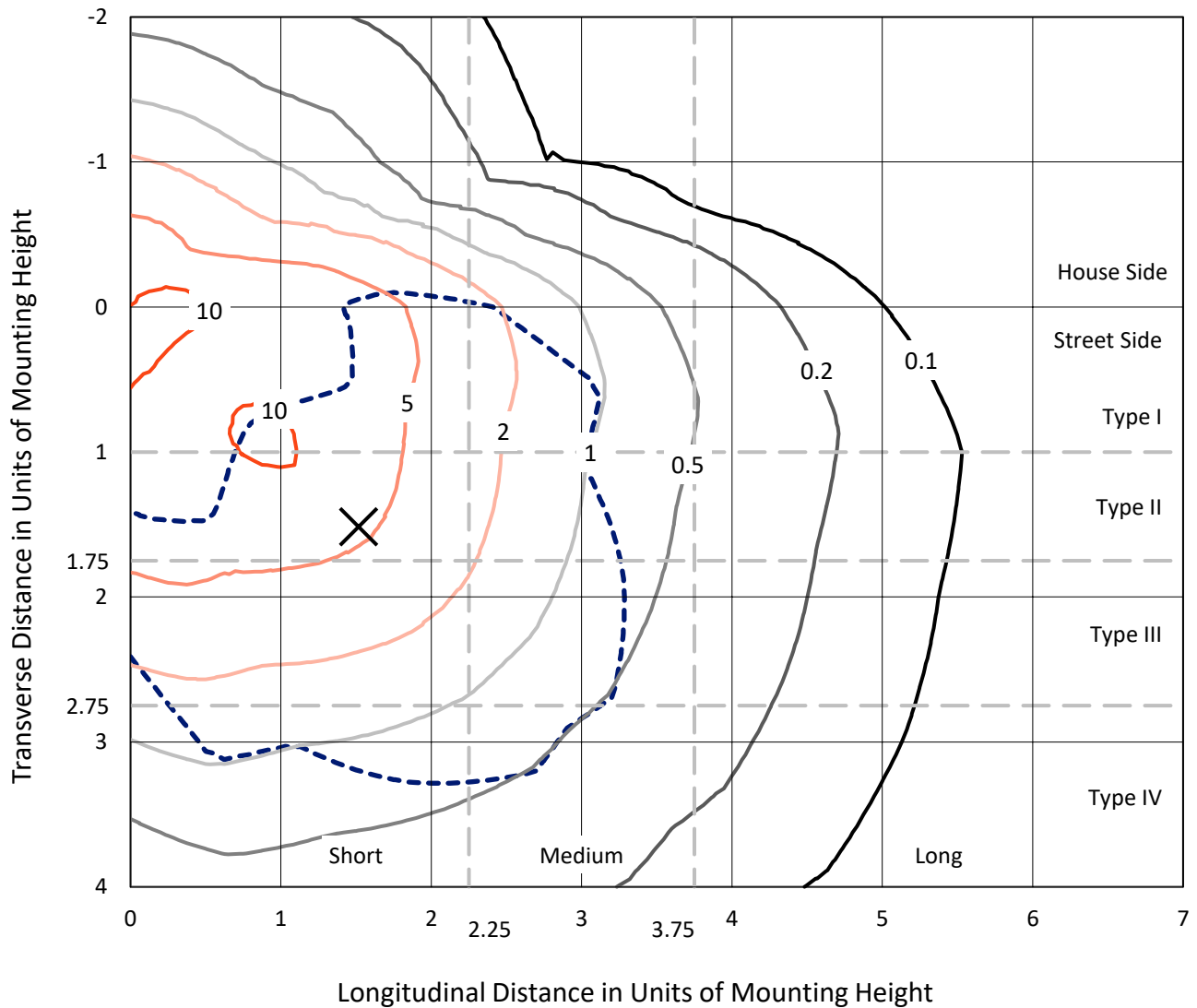
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

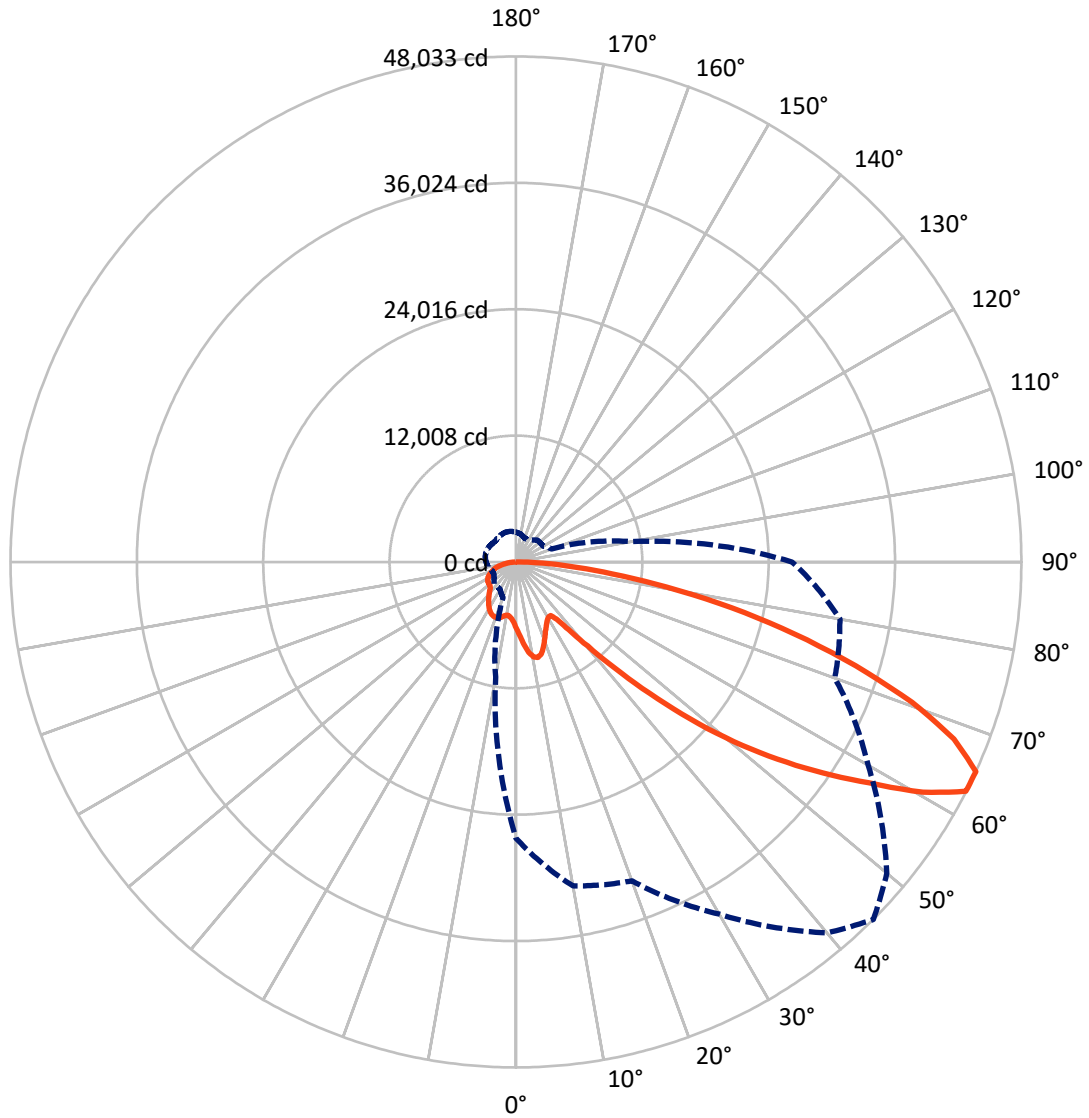
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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
House Side	Lumens	11696.7	0.0	11696.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	34326.3	0.0	34326.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	46023.0	0.0	46023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.8	1.4
10°-20°	1970.8	4.3
20°-30°	3044.1	6.6
30°-40°	3857.7	8.4
40°-50°	5818.4	12.6
50°-60°	9400.4	20.4
60°-70°	11719.1	25.5
70°-80°	7684.8	16.7
80°-90°	1899.9	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°	46023.0	100.0
0°-180°	46023.0	100.0

Coefficient of Utilization



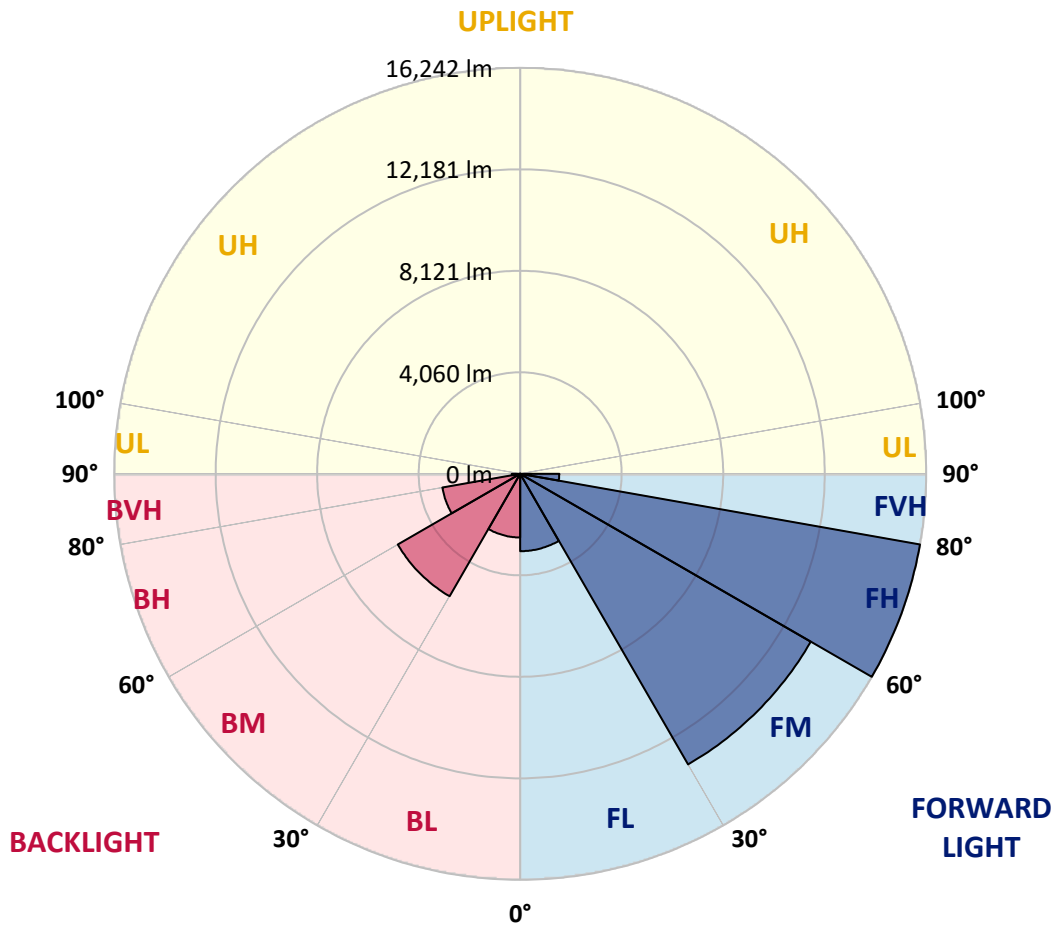
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3095.6	6.7			
FM (30°-60°)	13423.9	29.2			
FH (60°-80°)	16241.7	35.3			G5
FVH (80°-90°)	1565.1	3.4			G5
BL (0°-30°)	2547.1	5.5	B4/5000		
BM (30°-60°)	5652.6	12.3	B4/8500		
BH (60°-80°)	3162.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	334.8	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°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
2.5°	6805.8	6831.5	6857.5	6894.1	6930.8	6952.7	6974.5	6985.5	6996.4	6991.5
5°	7318.2	7408.3	7498.6	7588.0	7677.6	7726.1	7774.7	7804.1	7833.7	7856.1
7.5°	7833.0	7979.7	8126.1	8258.0	8389.8	8469.2	8548.7	8591.6	8634.4	8655.0
10°	8227.6	8401.0	8574.4	8729.1	8883.8	8977.5	9070.8	9112.5	9154.1	9169.9
12.5°	8469.2	8657.2	8844.9	8984.8	9124.2	9192.2	9260.2	9283.0	9305.8	9308.3
15°	8616.2	8778.4	8940.4	9028.0	9115.9	9118.4	9120.8	9096.5	9072.2	9043.6
17.5°	8698.7	8808.3	8917.8	8919.5	8920.9	8822.6	8724.2	8634.1	8543.8	8480.2
20°	8789.8	8827.9	8866.3	8750.9	8635.6	8418.5	8201.4	8043.3	7885.2	7788.1
22.5°	8895.4	8845.4	8795.4	8556.4	8317.5	7998.1	7678.8	7481.1	7283.4	7176.1
25°	9031.4	8873.6	8715.7	8352.9	7990.1	7602.3	7214.5	7006.6	6799.2	6697.7
27.5°	9216.0	8933.8	8651.4	8170.8	7690.4	7260.6	6830.8	6626.3	6422.1	6326.1
30°	9464.9	9044.1	8623.5	8031.9	7440.3	6992.5	6544.7	6355.0	6165.4	6076.0
32.5°	9758.8	9182.5	8606.5	7937.2	7267.9	6847.0	6426.2	6277.3	6128.2	6063.9
35°	10115.7	9410.5	8705.5	8008.1	7310.9	7018.5	6726.3	6691.6	6656.9	6651.5
37.5°	10716.8	9887.2	9057.7	8423.8	7790.0	7771.1	7752.1	7910.9	8069.8	8152.3
40°	11625.0	10722.9	9820.7	9349.3	8878.0	9210.7	9543.4	9929.5	10315.6	10507.9
42.5°	12829.5	11934.4	11039.3	10767.8	10496.3	11221.9	11947.5	12649.8	13352.1	13764.5
45°	14317.0	13512.9	12708.6	12588.9	12468.9	13631.4	14794.2	15948.2	17102.4	17803.0
47.5°	16177.2	15395.0	14612.5	14588.2	14563.9	16241.0	17917.6	19607.1	21296.4	22288.4
50°	18615.3	17649.1	16683.0	16687.1	16691.3	18852.6	21013.9	23244.0	25474.0	26822.3
52.5°	21414.1	20244.1	19074.3	18956.0	18837.5	21419.2	24000.9	26760.1	29519.1	31135.2
55°	24393.9	23237.9	22082.0	21620.8	21159.6	24033.0	26906.1	30195.4	33484.8	35406.9
57.5°	27104.0	26474.6	25844.9	24919.9	23995.1	26896.4	29797.7	33523.4	37248.9	39632.4
60°	28742.0	29719.7	30697.6	29549.0	28400.3	31145.9	33891.5	37880.5	41869.5	44445.6
62.5°	27910.3	30581.8	33253.3	33123.9	32994.2	35509.4	38024.8	41820.0	45614.9	47996.0
65°	26245.5	28752.9	31260.3	31756.4	32252.3	35448.7	38645.3	42325.3	46005.2	48032.5
67.5°	24015.0	26399.8	28784.5	29017.1	29249.5	32579.9	35910.1	39605.9	43301.8	44890.0
70°	21335.2	23929.0	26523.1	26627.1	26731.2	29709.5	32687.5	35868.1	39048.4	39931.1
72.5°	18141.8	21118.3	24095.2	24169.9	24244.5	26574.6	28904.7	31286.8	33668.6	33758.0
75°	14102.0	17182.8	20263.5	20540.1	20816.7	22629.6	24442.4	26119.3	27796.1	27346.9
77.5°	10075.7	12951.4	15827.5	16223.3	16619.1	17997.3	19375.4	20564.7	21754.1	20981.9
80°	6594.5	9013.9	11433.2	11925.2	12417.2	13458.0	14498.4	15123.0	15747.3	14505.2
82.5°	3833.3	5487.3	7141.6	7691.2	8241.0	8957.4	9673.8	9934.3	10194.7	9218.4
85°	1686.6	2564.5	3442.3	3909.8	4377.3	4966.0	5554.4	5702.3	5850.2	5068.2
87.5°	522.1	817.2	1112.2	1373.0	1633.9	1928.2	2222.5	2235.2	2247.5	1886.9
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°
6328.6	0°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
6996.4	2.5°	6985.5	6974.5	6952.7	6930.8	6894.1	6857.5	6831.5	6805.8	6753.5	6701.3
7833.7	5°	7804.1	7774.7	7726.1	7677.6	7588.0	7498.6	7408.3	7318.2	7202.8	7087.5
8634.4	7.5°	8591.6	8548.7	8469.2	8389.8	8258.0	8126.1	7979.7	7833.0	7642.6	7452.4
9154.1	10°	9112.5	9070.8	8977.5	8883.8	8729.1	8574.4	8401.0	8227.6	7987.0	7746.3
9305.8	12.5°	9283.0	9260.2	9192.2	9124.2	8984.8	8844.9	8657.2	8469.2	8204.8	7940.6
9072.2	15°	9096.5	9120.8	9118.4	9115.9	9028.0	8940.4	8778.4	8616.2	8340.5	8064.9
8543.8	17.5°	8634.1	8724.2	8822.6	8920.9	8919.5	8917.8	8808.3	8698.7	8419.2	8139.7
7885.2	20°	8043.3	8201.4	8418.5	8635.6	8750.9	8866.3	8827.9	8789.8	8499.4	8208.7
7283.4	22.5°	7481.1	7678.8	7998.1	8317.5	8556.4	8795.4	8845.4	8895.4	8598.7	8301.7
6799.2	25°	7006.6	7214.5	7602.3	7990.1	8352.9	8715.7	8873.6	9031.4	8740.5	8449.8
6422.1	27.5°	6626.3	6830.8	7260.6	7690.4	8170.8	8651.4	8933.8	9216.0	8938.7	8661.1
6165.4	30°	6355.0	6544.7	6992.5	7440.3	8031.9	8623.5	9044.1	9464.9	9196.8	8929.0
6128.2	32.5°	6277.3	6426.2	6847.0	7267.9	7937.2	8606.5	9182.5	9758.8	9493.3	9228.1
6656.9	35°	6691.6	6726.3	7018.5	7310.9	8008.1	8705.5	9410.5	10115.7	9861.7	9607.5
8069.8	37.5°	7910.9	7752.1	7771.1	7790.0	8423.8	9057.7	9887.2	10716.8	10392.8	10068.9
10315.6	40°	9929.5	9543.4	9210.7	8878.0	9349.3	9820.7	10722.9	11625.0	11152.9	10680.8
13352.1	42.5°	12649.8	11947.5	11221.9	10496.3	10767.8	11039.3	11934.4	12829.5	12148.1	11466.7
17102.4	45°	15948.2	14794.2	13631.4	12468.9	12588.9	12708.6	13512.9	14317.0	13397.8	12478.6
21296.4	47.5°	19607.1	17917.6	16241.0	14563.9	14588.2	14612.5	15395.0	16177.2	14883.5	13589.6
25474.0	50°	23244.0	21013.9	18852.6	16691.3	16687.1	16683.0	17649.1	18615.3	16665.0	14714.5
29519.1	52.5°	26760.1	24000.9	21419.2	18837.5	18956.0	19074.3	20244.1	21414.1	18536.4	15658.7
33484.8	55°	30195.4	26906.1	24033.0	21159.6	21620.8	22082.0	23237.9	24393.9	20195.5	15997.5
37248.9	57.5°	33523.4	29797.7	26896.4	23995.1	24919.9	25844.9	26474.6	27104.0	21371.4	15638.8
41869.5	60°	37880.5	33891.5	31145.9	28400.3	29549.0	30697.6	29719.7	28742.0	21665.2	14588.2
45614.9	62.5°	41820.0	38024.8	35509.4	32994.2	33123.9	33253.3	30581.8	27910.3	20427.9	12945.6
46005.2	65°	42325.3	38645.3	35448.7	32252.3	31756.4	31260.3	28752.9	26245.5	18677.3	11109.0
43301.8	67.5°	39605.9	35910.1	32579.9	29249.5	29017.1	28784.5	26399.8	24015.0	16593.9	9172.8
39048.4	70°	35868.1	32687.5	29709.5	26731.2	26627.1	26523.1	23929.0	21335.2	14320.6	7306.0
33668.6	72.5°	31286.8	28904.7	26574.6	24244.5	24169.9	24095.2	21118.3	18141.8	11856.2	5570.9
27796.1	75°	26119.3	24442.4	22629.6	20816.7	20540.1	20263.5	17182.8	14102.0	9031.2	3960.3
21754.1	77.5°	20564.7	19375.4	17997.3	16619.1	16223.3	15827.5	12951.4	10075.7	6321.0	2566.4
15747.3	80°	15123.0	14498.4	13458.0	12417.2	11925.2	11433.2	9013.9	6594.5	4072.5	1550.6
10194.7	82.5°	9934.3	9673.8	8957.4	8241.0	7691.2	7141.6	5487.3	3833.3	2357.1	881.0
5850.2	85°	5702.3	5554.4	4966.0	4377.3	3909.8	3442.3	2564.5	1686.6	1060.3	434.2
2247.5	87.5°	2235.2	2222.5	1928.2	1633.9	1373.0	1112.2	817.2	522.1	347.3	172.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6328.6	0°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
6645.7	2.5°	6590.3	6534.5	6478.6	6425.2	6371.8	6320.1	6262.5	6215.9	6169.5	6127.5
6972.3	5°	6857.5	6741.6	6626.0	6518.0	6409.9	6307.9	6207.1	6119.2	6031.1	5957.2
7276.6	7.5°	7100.8	6929.6	6758.4	6607.6	6456.8	6317.6	6187.2	6070.2	5953.4	5856.2
7513.9	10°	7281.7	7073.9	6865.7	6687.5	6508.8	6337.1	6196.9	6073.6	5950.2	5853.1
7677.3	12.5°	7414.1	7168.8	6923.5	6721.7	6519.9	6339.5	6209.1	6108.1	6007.5	5942.9
7779.3	15°	7493.7	7211.3	6928.9	6695.3	6461.6	6261.8	6157.4	6109.0	6060.9	6069.7
7828.1	17.5°	7516.6	7188.7	6860.9	6579.9	6298.9	6063.9	5999.5	6017.2	6034.7	6140.6
7866.3	20°	7523.8	7126.5	6729.3	6381.0	6032.8	5759.1	5742.1	5824.7	5907.2	6091.1
7917.7	22.5°	7533.6	7050.3	6567.0	6147.6	5728.2	5416.7	5449.9	5572.1	5694.2	5904.1
8011.0	25°	7571.9	6975.0	6378.3	5887.1	5396.0	5076.7	5166.5	5307.4	5448.2	5636.9
8156.7	27.5°	7652.1	6924.7	6197.4	5648.8	5100.2	4809.6	4918.8	5054.8	5190.8	5346.0
8345.4	30°	7761.8	6901.2	6040.1	5449.7	4859.3	4615.3	4701.0	4808.8	4917.1	5045.8
8542.3	32.5°	7856.5	6872.0	5887.1	5278.0	4668.7	4472.0	4510.1	4574.0	4637.9	4740.6
8766.7	35°	7926.0	6817.2	5708.8	5109.2	4509.6	4345.7	4329.9	4347.4	4365.2	4443.6
9018.1	37.5°	7967.3	6723.2	5479.1	4910.6	4342.1	4198.8	4141.0	4121.6	4102.1	4158.5
9337.2	40°	7993.3	6593.7	5194.5	4673.6	4152.7	4022.7	3934.1	3890.1	3846.2	3886.7
9754.6	42.5°	8042.6	6460.2	4878.3	4412.0	3945.8	3826.0	3714.3	3656.0	3597.8	3630.8
10303.9	45°	8129.3	6336.1	4543.2	4134.2	3725.3	3603.8	3495.8	3438.9	3382.4	3410.0
10889.2	47.5°	8188.8	6233.6	4278.5	3914.4	3550.4	3393.8	3300.8	3253.2	3205.6	3231.8
11432.2	50°	8149.9	6121.9	4093.9	3768.5	3443.1	3237.1	3129.1	3086.8	3044.8	3085.6
11784.8	52.5°	7910.7	5933.2	3956.0	3672.3	3388.9	3152.1	3001.1	2959.3	2917.8	2979.2
11707.1	55°	7416.5	5620.4	3824.3	3602.6	3380.9	3160.6	2933.1	2867.0	2801.2	2888.4
11160.2	57.5°	6681.9	5179.4	3676.7	3520.0	3363.4	3169.1	2892.3	2796.1	2700.0	2793.7
10142.5	60°	5696.7	4606.8	3516.9	3393.8	3270.6	3142.4	2853.9	2729.3	2604.5	2686.8
8766.2	62.5°	4586.9	3921.5	3256.1	3174.2	3092.6	3076.9	2809.2	2653.3	2497.7	2549.9
7362.1	65°	3615.5	3304.9	2994.3	2955.7	2917.1	2919.0	2715.0	2549.4	2383.5	2403.7
5986.6	67.5°	2800.5	2712.3	2623.9	2645.6	2666.9	2661.6	2547.0	2409.0	2271.1	2264.8
4713.6	70°	2121.3	2146.5	2171.5	2271.6	2371.4	2371.4	2333.7	2235.6	2137.5	2115.7
3603.6	72.5°	1636.3	1712.3	1788.6	1930.4	2072.0	2095.8	2096.2	2029.0	1961.7	1929.7
2615.4	75°	1270.6	1339.5	1408.5	1567.3	1726.1	1835.9	1826.7	1775.0	1723.0	1692.4
1772.3	77.5°	978.2	1025.1	1072.2	1226.4	1380.6	1561.5	1556.6	1515.1	1473.6	1442.5
1141.9	80°	733.4	752.8	772.2	902.9	1033.3	1249.4	1248.7	1214.0	1179.0	1153.0
702.3	82.5°	524.1	527.5	531.3	627.5	723.7	908.2	918.4	901.4	884.4	866.0
375.4	85°	316.9	315.2	313.3	383.7	454.1	591.3	604.7	586.5	568.3	547.6
155.7	87.5°	138.9	137.2	135.5	164.2	193.1	250.1	267.1	259.8	252.6	248.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6328.6	0°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
6085.7	2.5°	6049.0	6012.4	5975.5	5938.8	5910.4	5881.7	5858.7	5835.6	5817.6	5799.6
5883.7	5°	5818.6	5753.5	5694.5	5635.2	5589.8	5544.2	5512.4	5480.5	5458.0	5435.4
5759.1	7.5°	5677.2	5595.2	5522.8	5450.7	5396.5	5342.6	5304.7	5266.8	5240.9	5215.1
5755.9	10°	5667.8	5579.4	5498.0	5416.7	5352.1	5287.2	5245.0	5202.2	5177.7	5153.2
5878.8	12.5°	5809.4	5740.4	5656.1	5572.1	5489.5	5407.0	5352.3	5297.7	5270.2	5243.0
6078.4	15°	6060.5	6042.5	5969.4	5896.3	5778.8	5661.2	5578.2	5495.1	5457.0	5419.1
6246.5	17.5°	6302.8	6358.9	6299.9	6241.1	6085.5	5929.8	5807.4	5685.0	5628.7	5572.1
6275.1	20°	6392.9	6510.7	6483.5	6456.1	6278.0	6100.3	5950.2	5800.4	5728.2	5655.9
6114.4	22.5°	6267.6	6420.8	6437.4	6453.6	6283.6	6113.6	5959.2	5804.5	5728.5	5652.2
5825.9	25°	5976.7	6127.5	6183.8	6239.9	6100.5	5961.4	5823.9	5687.0	5620.9	5555.1
5500.9	27.5°	5621.9	5742.8	5805.5	5868.4	5769.0	5670.0	5563.4	5456.7	5412.5	5368.1
5174.6	30°	5274.9	5375.4	5426.4	5477.4	5401.9	5326.1	5249.8	5173.1	5150.5	5127.7
4843.6	32.5°	4939.7	5036.1	5092.7	5149.5	5080.1	5010.4	4949.4	4888.5	4873.7	4858.9
4521.8	35°	4617.0	4712.4	4780.4	4848.4	4798.9	4749.6	4693.2	4637.1	4614.6	4592.2
4214.6	37.5°	4309.5	4404.7	4488.8	4572.8	4550.0	4527.1	4475.4	4423.4	4382.4	4341.6
3927.3	40°	4019.1	4110.9	4207.5	4304.4	4310.0	4315.4	4271.4	4227.5	4167.7	4108.5
3664.1	42.5°	3751.0	3838.2	3942.6	4047.0	4075.0	4102.9	4065.7	4028.8	3954.7	3880.7
3438.2	45°	3520.8	3603.3	3711.7	3820.0	3860.0	3900.1	3866.6	3833.3	3748.6	3664.1
3257.8	47.5°	3338.6	3419.3	3526.1	3633.0	3679.1	3725.3	3701.9	3678.6	3603.3	3528.1
3126.6	50°	3202.9	3278.9	3374.6	3470.3	3529.5	3588.8	3587.3	3586.3	3526.1	3465.9
3040.4	52.5°	3110.4	3180.1	3269.2	3358.6	3428.7	3498.9	3511.5	3524.2	3475.1	3426.1
2975.3	55°	3050.6	3125.9	3204.1	3282.1	3356.4	3430.9	3448.4	3465.9	3423.2	3380.4
2887.4	57.5°	2975.8	3064.2	3141.5	3218.9	3294.0	3368.8	3386.5	3404.2	3361.0	3317.8
2768.9	60°	2870.4	2971.9	3050.4	3129.1	3204.3	3279.6	3299.1	3318.5	3276.2	3234.2
2602.1	62.5°	2720.4	2838.9	2922.6	3006.4	3075.4	3144.4	3163.1	3181.8	3143.6	3105.5
2423.6	65°	2550.4	2677.4	2757.5	2837.7	2898.4	2959.1	2978.3	2997.2	2960.5	2923.9
2258.5	67.5°	2375.5	2492.8	2568.8	2644.6	2697.0	2749.5	2768.2	2786.7	2752.9	2719.4
2093.8	70°	2196.8	2299.7	2365.3	2430.9	2478.2	2525.6	2543.6	2561.5	2534.1	2506.7
1897.8	72.5°	1978.9	2059.8	2119.1	2178.3	2224.7	2271.1	2292.5	2313.8	2291.0	2268.2
1661.6	75°	1721.8	1782.0	1835.7	1889.3	1931.6	1973.8	1996.2	2018.5	2007.4	1996.2
1411.4	77.5°	1460.5	1509.3	1555.4	1601.6	1646.0	1690.2	1711.1	1732.0	1716.4	1700.4
1126.8	80°	1167.6	1208.2	1247.0	1285.9	1319.6	1353.1	1380.8	1408.5	1401.7	1395.1
847.5	82.5°	844.1	840.7	827.1	813.5	885.4	957.3	1004.4	1051.5	1048.6	1045.5
527.0	85°	509.5	491.8	454.1	416.5	483.7	551.3	609.5	667.8	663.0	658.1
244.8	87.5°	244.1	243.3	214.7	185.8	213.9	242.4	265.9	289.5	283.6	277.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6328.6	0°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
5783.1	2.5°	5766.4	5745.7	5766.4	5783.1	5799.6	5817.6	5835.6	5858.7	5881.7	5910.4
5418.1	5°	5400.9	5383.9	5400.9	5418.1	5435.4	5458.0	5480.5	5512.4	5544.2	5589.8
5199.6	7.5°	5184.3	5172.6	5184.3	5199.6	5215.1	5240.9	5266.8	5304.7	5342.6	5396.5
5140.1	10°	5127.0	5121.6	5127.0	5140.1	5153.2	5177.7	5202.2	5245.0	5287.2	5352.1
5231.9	12.5°	5220.7	5218.8	5220.7	5231.9	5243.0	5270.2	5297.7	5352.3	5407.0	5489.5
5404.5	15°	5390.0	5388.7	5390.0	5404.5	5419.1	5457.0	5495.1	5578.2	5661.2	5778.8
5553.6	17.5°	5534.9	5532.0	5534.9	5553.6	5572.1	5628.7	5685.0	5807.4	5929.8	6085.5
5632.8	20°	5609.7	5602.5	5609.7	5632.8	5655.9	5728.2	5800.4	5950.2	6100.3	6278.0
5626.7	22.5°	5601.2	5590.3	5601.2	5626.7	5652.2	5728.5	5804.5	5959.2	6113.6	6283.6
5531.1	25°	5507.3	5493.2	5507.3	5531.1	5555.1	5620.9	5687.0	5823.9	5961.4	6100.5
5357.2	27.5°	5346.2	5342.6	5346.2	5357.2	5368.1	5412.5	5456.7	5563.4	5670.0	5769.0
5127.7	30°	5127.7	5131.3	5127.7	5127.7	5127.7	5150.5	5173.1	5249.8	5326.1	5401.9
4860.8	32.5°	4863.0	4866.6	4863.0	4860.8	4858.9	4873.7	4888.5	4949.4	5010.4	5080.1
4587.4	35°	4582.5	4580.1	4582.5	4587.4	4592.2	4614.6	4637.1	4693.2	4749.6	4798.9
4320.0	37.5°	4298.4	4286.2	4298.4	4320.0	4341.6	4382.4	4423.4	4475.4	4527.1	4550.0
4068.2	40°	4028.3	4004.5	4028.3	4068.2	4108.5	4167.7	4227.5	4271.4	4315.4	4310.0
3822.1	42.5°	3763.6	3725.3	3763.6	3822.1	3880.7	3954.7	4028.8	4065.7	4102.9	4075.0
3595.3	45°	3526.6	3482.4	3526.6	3595.3	3664.1	3748.6	3833.3	3866.6	3900.1	3860.0
3464.4	47.5°	3401.1	3358.6	3401.1	3464.4	3528.1	3603.3	3678.6	3701.9	3725.3	3679.1
3407.1	50°	3348.4	3307.6	3348.4	3407.1	3465.9	3526.1	3586.3	3587.3	3588.8	3529.5
3373.4	52.5°	3320.9	3283.3	3320.9	3373.4	3426.1	3475.1	3524.2	3511.5	3498.9	3428.7
3334.3	55°	3288.1	3254.1	3288.1	3334.3	3380.4	3423.2	3465.9	3448.4	3430.9	3356.4
3272.1	57.5°	3226.2	3191.0	3226.2	3272.1	3317.8	3361.0	3404.2	3386.5	3368.8	3294.0
3187.1	60°	3140.0	3103.6	3140.0	3187.1	3234.2	3276.2	3318.5	3299.1	3279.6	3204.3
3056.0	62.5°	3006.4	2962.7	3006.4	3056.0	3105.5	3143.6	3181.8	3163.1	3144.4	3075.4
2875.8	65°	2827.9	2790.3	2827.9	2875.8	2923.9	2960.5	2997.2	2978.3	2959.1	2898.4
2674.7	67.5°	2630.0	2596.0	2630.0	2674.7	2719.4	2752.9	2786.7	2768.2	2749.5	2697.0
2463.9	70°	2421.2	2382.3	2421.2	2463.9	2506.7	2534.1	2561.5	2543.6	2525.6	2478.2
2227.4	72.5°	2186.8	2149.2	2186.8	2227.4	2268.2	2291.0	2313.8	2292.5	2271.1	2224.7
1962.0	75°	1927.7	1891.8	1927.7	1962.0	1996.2	2007.4	2018.5	1996.2	1973.8	1931.6
1665.9	77.5°	1631.4	1602.8	1631.4	1665.9	1700.4	1716.4	1732.0	1711.1	1690.2	1646.0
1348.8	80°	1302.1	1248.2	1302.1	1348.8	1395.1	1401.7	1408.5	1380.8	1353.1	1319.6
1006.4	82.5°	967.0	932.5	967.0	1006.4	1045.5	1048.6	1051.5	1004.4	957.3	885.4
627.5	85°	596.9	565.8	596.9	627.5	658.1	663.0	667.8	609.5	551.3	483.7
261.8	87.5°	245.8	230.7	245.8	261.8	277.3	283.6	289.5	265.9	242.4	213.9
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°
6328.6	0°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
5938.8	2.5°	5975.5	6012.4	6049.0	6085.7	6127.5	6169.5	6215.9	6262.5	6320.1	6371.8
5635.2	5°	5694.5	5753.5	5818.6	5883.7	5957.2	6031.1	6119.2	6207.1	6307.9	6409.9
5450.7	7.5°	5522.8	5595.2	5677.2	5759.1	5856.2	5953.4	6070.2	6187.2	6317.6	6456.8
5416.7	10°	5498.0	5579.4	5667.8	5755.9	5853.1	5950.2	6073.6	6196.9	6337.1	6508.8
5572.1	12.5°	5656.1	5740.4	5809.4	5878.8	5942.9	6007.5	6108.1	6209.1	6339.5	6519.9
5896.3	15°	5969.4	6042.5	6060.5	6078.4	6069.7	6060.9	6109.0	6157.4	6261.8	6461.6
6241.1	17.5°	6299.9	6358.9	6302.8	6246.5	6140.6	6034.7	6017.2	5999.5	6063.9	6298.9
6456.1	20°	6483.5	6510.7	6392.9	6275.1	6091.1	5907.2	5824.7	5742.1	5759.1	6032.8
6453.6	22.5°	6437.4	6420.8	6267.6	6114.4	5904.1	5694.2	5572.1	5449.9	5416.7	5728.2
6239.9	25°	6183.8	6127.5	5976.7	5825.9	5636.9	5448.2	5307.4	5166.5	5076.7	5396.0
5868.4	27.5°	5805.5	5742.8	5621.9	5500.9	5346.0	5190.8	5054.8	4918.8	4809.6	5100.2
5477.4	30°	5426.4	5375.4	5274.9	5174.6	5045.8	4917.1	4808.8	4701.0	4615.3	4859.3
5149.5	32.5°	5092.7	5036.1	4939.7	4843.6	4740.6	4637.9	4574.0	4510.1	4472.0	4668.7
4848.4	35°	4780.4	4712.4	4617.0	4521.8	4443.6	4365.2	4347.4	4329.9	4345.7	4509.6
4572.8	37.5°	4488.8	4404.7	4309.5	4214.6	4158.5	4102.1	4121.6	4141.0	4198.8	4342.1
4304.4	40°	4207.5	4110.9	4019.1	3927.3	3886.7	3846.2	3890.1	3934.1	4022.7	4152.7
4047.0	42.5°	3942.6	3838.2	3751.0	3664.1	3630.8	3597.8	3656.0	3714.3	3826.0	3945.8
3820.0	45°	3711.7	3603.3	3520.8	3438.2	3410.0	3382.4	3438.9	3495.8	3603.8	3725.3
3633.0	47.5°	3526.1	3419.3	3338.6	3257.8	3231.8	3205.6	3253.2	3300.8	3393.8	3550.4
3470.3	50°	3374.6	3278.9	3202.9	3126.6	3085.6	3044.8	3086.8	3129.1	3237.1	3443.1
3358.6	52.5°	3269.2	3180.1	3110.4	3040.4	2979.2	2917.8	2959.3	3001.1	3152.1	3388.9
3282.1	55°	3204.1	3125.9	3050.6	2975.3	2888.4	2801.2	2867.0	2933.1	3160.6	3380.9
3218.9	57.5°	3141.5	3064.2	2975.8	2887.4	2793.7	2700.0	2796.1	2892.3	3169.1	3363.4
3129.1	60°	3050.4	2971.9	2870.4	2768.9	2686.8	2604.5	2729.3	2853.9	3142.4	3270.6
3006.4	62.5°	2922.6	2838.9	2720.4	2602.1	2549.9	2497.7	2653.3	2809.2	3076.9	3092.6
2837.7	65°	2757.5	2677.4	2550.4	2423.6	2403.7	2383.5	2549.4	2715.0	2919.0	2917.1
2644.6	67.5°	2568.8	2492.8	2375.5	2258.5	2264.8	2271.1	2409.0	2547.0	2661.6	2666.9
2430.9	70°	2365.3	2299.7	2196.8	2093.8	2115.7	2137.5	2235.6	2333.7	2371.4	2371.4
2178.3	72.5°	2119.1	2059.8	1978.9	1897.8	1929.7	1961.7	2029.0	2096.2	2095.8	2072.0
1889.3	75°	1835.7	1782.0	1721.8	1661.6	1692.4	1723.0	1775.0	1826.7	1835.9	1726.1
1601.6	77.5°	1555.4	1509.3	1460.5	1411.4	1442.5	1473.6	1515.1	1556.6	1561.5	1380.6
1285.9	80°	1247.0	1208.2	1167.6	1126.8	1153.0	1179.0	1214.0	1248.7	1249.4	1033.3
813.5	82.5°	827.1	840.7	844.1	847.5	866.0	884.4	901.4	918.4	908.2	723.7
416.5	85°	454.1	491.8	509.5	527.0	547.6	568.3	586.5	604.7	591.3	454.1
185.8	87.5°	214.7	243.3	244.1	244.8	248.7	252.6	259.8	267.1	250.1	193.1
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°
6328.6	0°	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6	6328.6
6425.2	2.5°	6478.6	6534.5	6590.3	6645.7	6701.3	6753.5	6805.8
6518.0	5°	6626.0	6741.6	6857.5	6972.3	7087.5	7202.8	7318.2
6607.6	7.5°	6758.4	6929.6	7100.8	7276.6	7452.4	7642.6	7833.0
6687.5	10°	6865.7	7073.9	7281.7	7513.9	7746.3	7987.0	8227.6
6721.7	12.5°	6923.5	7168.8	7414.1	7677.3	7940.6	8204.8	8469.2
6695.3	15°	6928.9	7211.3	7493.7	7779.3	8064.9	8340.5	8616.2
6579.9	17.5°	6860.9	7188.7	7516.6	7828.1	8139.7	8419.2	8698.7
6381.0	20°	6729.3	7126.5	7523.8	7866.3	8208.7	8499.4	8789.8
6147.6	22.5°	6567.0	7050.3	7533.6	7917.7	8301.7	8598.7	8895.4
5887.1	25°	6378.3	6975.0	7571.9	8011.0	8449.8	8740.5	9031.4
5648.8	27.5°	6197.4	6924.7	7652.1	8156.7	8661.1	8938.7	9216.0
5449.7	30°	6040.1	6901.2	7761.8	8345.4	8929.0	9196.8	9464.9
5278.0	32.5°	5887.1	6872.0	7856.5	8542.3	9228.1	9493.3	9758.8
5109.2	35°	5708.8	6817.2	7926.0	8766.7	9607.5	9861.7	10115.7
4910.6	37.5°	5479.1	6723.2	7967.3	9018.1	10068.9	10392.8	10716.8
4673.6	40°	5194.5	6593.7	7993.3	9337.2	10680.8	11152.9	11625.0
4412.0	42.5°	4878.3	6460.2	8042.6	9754.6	11466.7	12148.1	12829.5
4134.2	45°	4543.2	6336.1	8129.3	10303.9	12478.6	13397.8	14317.0
3914.4	47.5°	4278.5	6233.6	8188.8	10889.2	13589.6	14883.5	16177.2
3768.5	50°	4093.9	6121.9	8149.9	11432.2	14714.5	16665.0	18615.3
3672.3	52.5°	3956.0	5933.2	7910.7	11784.8	15658.7	18536.4	21414.1
3602.6	55°	3824.3	5620.4	7416.5	11707.1	15997.5	20195.5	24393.9
3520.0	57.5°	3676.7	5179.4	6681.9	11160.2	15638.8	21371.4	27104.0
3393.8	60°	3516.9	4606.8	5696.7	10142.5	14588.2	21665.2	28742.0
3174.2	62.5°	3256.1	3921.5	4586.9	8766.2	12945.6	20427.9	27910.3
2955.7	65°	2994.3	3304.9	3615.5	7362.1	11109.0	18677.3	26245.5
2645.6	67.5°	2623.9	2712.3	2800.5	5986.6	9172.8	16593.9	24015.0
2271.6	70°	2171.5	2146.5	2121.3	4713.6	7306.0	14320.6	21335.2
1930.4	72.5°	1788.6	1712.3	1636.3	3603.6	5570.9	11856.2	18141.8
1567.3	75°	1408.5	1339.5	1270.6	2615.4	3960.3	9031.2	14102.0
1226.4	77.5°	1072.2	1025.1	978.2	1772.3	2566.4	6321.0	10075.7
902.9	80°	772.2	752.8	733.4	1141.9	1550.6	4072.5	6594.5
627.5	82.5°	531.3	527.5	524.1	702.3	881.0	2357.1	3833.3
383.7	85°	313.3	315.2	316.9	375.4	434.2	1060.3	1686.6
164.2	87.5°	135.5	137.2	138.9	155.7	172.4	347.3	522.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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