

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: STREETWORKS

Report Number: P956789

Luminaire Tested: **GLAN-SB9B-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956789
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: STREETWORKS
Catalog Number: GLAN-SB9B-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45921 lumens
Efficiency: N/A
Efficacy: 139.4 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

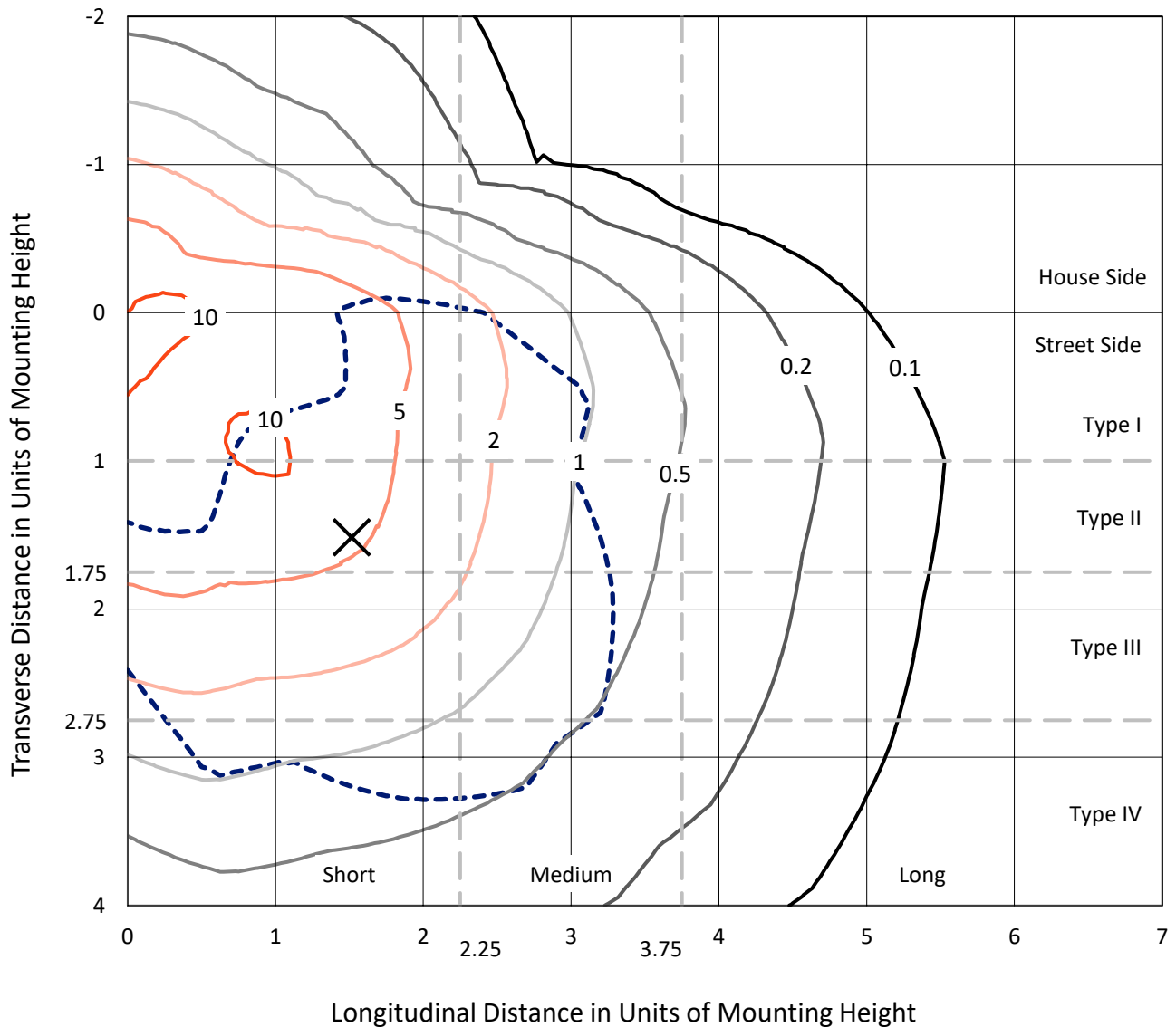
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

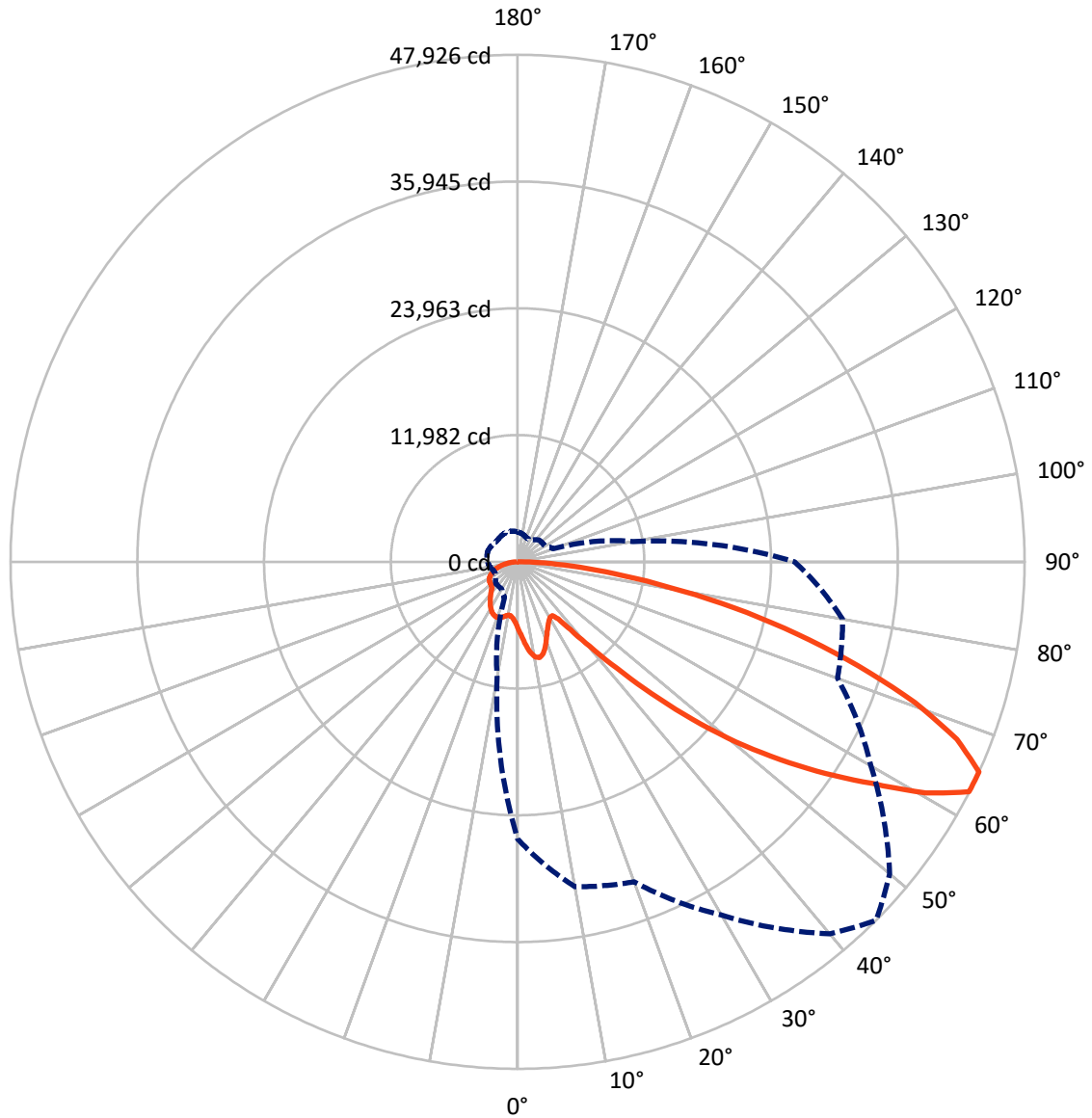
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	11670.8	0.0	11670.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	34250.2	0.0	34250.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	45921.0	0.0	45921.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	626.4	1.4
10°-20°	1966.4	4.3
20°-30°	3037.4	6.6
30°-40°	3849.1	8.4
40°-50°	5805.5	12.6
50°-60°	9379.6	20.4
60°-70°	11693.2	25.5
70°-80°	7667.8	16.7
80°-90°	1895.7	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°	45921.0	100.0
0°-180°	45921.0	100.0

Coefficient of Utilization

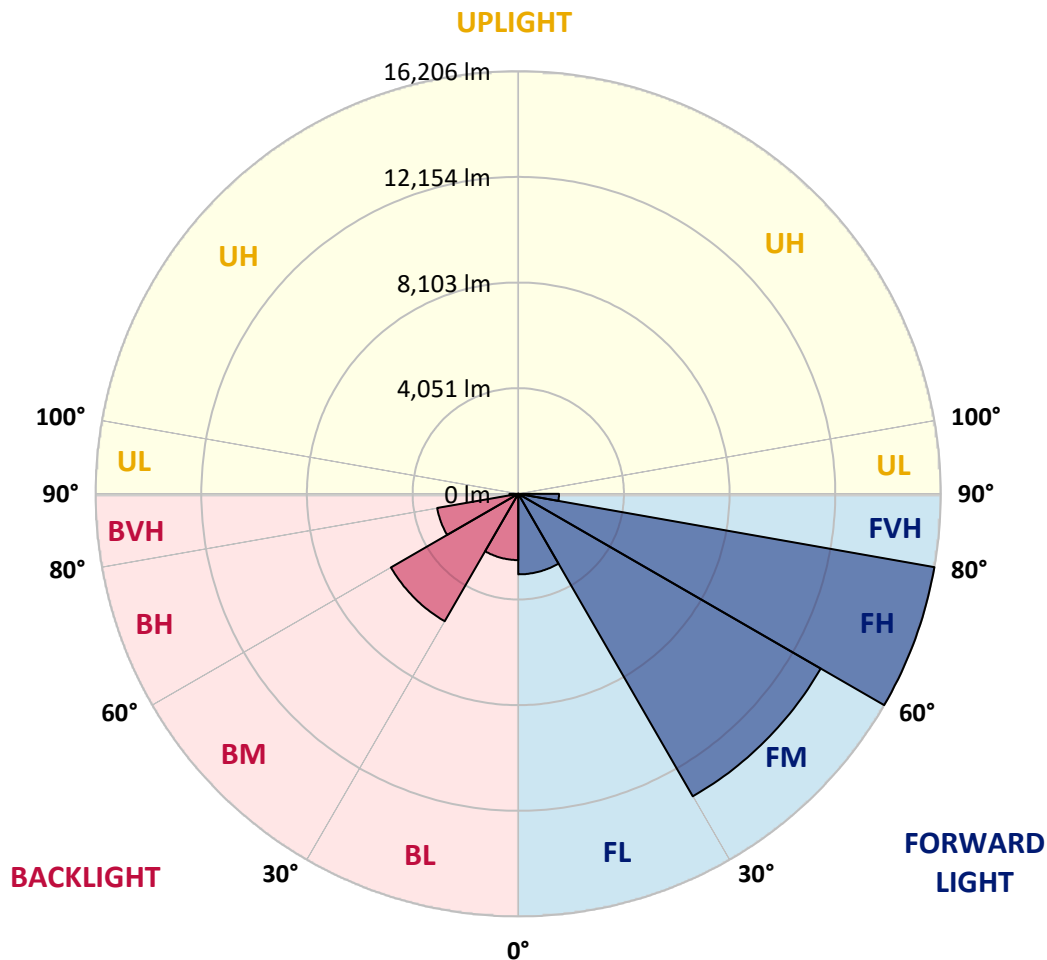


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3088.7	6.7			
FM (30°-60°)	13394.2	29.2			
FH (60°-80°)	16205.7	35.3			G5
FVH (80°-90°)	1561.6	3.4			G5
BL (0°-30°)	2541.5	5.5	B4/5000		
BM (30°-60°)	5640.0	12.3	B4/8500		
BH (60°-80°)	3155.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	334.1	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°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
2.5°	6790.7	6816.4	6842.3	6878.9	6915.5	6937.3	6959.1	6970.0	6980.9	6976.0
5°	7301.9	7391.8	7482.0	7571.1	7660.6	7709.0	7757.5	7786.8	7816.4	7838.6
7.5°	7815.6	7962.0	8108.1	8239.7	8371.2	8450.5	8529.7	8572.6	8615.2	8635.8
10°	8209.4	8382.4	8555.4	8709.7	8864.1	8957.6	9050.7	9092.3	9133.8	9149.5
12.5°	8450.5	8638.0	8825.3	8964.9	9104.0	9171.8	9239.7	9262.4	9285.2	9287.6
15°	8597.1	8758.9	8920.5	9008.0	9095.7	9098.2	9100.6	9076.4	9052.1	9023.5
17.5°	8679.5	8788.7	8898.0	8899.7	8901.2	8803.0	8704.9	8615.0	8524.9	8461.4
20°	8770.3	8808.4	8846.6	8731.6	8616.5	8399.8	8183.2	8025.5	7867.7	7770.8
22.5°	8875.7	8825.8	8775.9	8537.5	8299.0	7980.4	7661.8	7464.5	7267.3	7160.2
25°	9011.4	8853.9	8696.4	8334.4	7972.4	7585.4	7198.5	6991.1	6784.1	6682.8
27.5°	9195.6	8914.0	8632.2	8152.7	7673.4	7244.5	6815.6	6611.6	6407.8	6312.1
30°	9443.9	9024.0	8604.3	8014.1	7423.8	6977.0	6530.2	6340.9	6151.7	6062.5
32.5°	9737.1	9162.1	8587.4	7919.6	7251.8	6831.9	6411.9	6263.4	6114.6	6050.4
35°	10093.3	9389.7	8686.2	7990.3	7294.7	7002.9	6711.4	6676.8	6642.1	6636.8
37.5°	10693.0	9865.3	9037.6	8405.2	7772.7	7753.8	7734.9	7893.4	8051.9	8134.3
40°	11599.3	10699.1	9798.9	9328.6	8858.3	9190.2	9522.2	9907.5	10292.7	10484.6
42.5°	12801.1	11908.0	11014.8	10743.9	10473.0	11197.0	11921.0	12621.8	13322.5	13734.0
45°	14285.2	13483.0	12680.4	12561.0	12441.3	13601.2	14761.4	15912.8	17064.5	17763.6
47.5°	16141.3	15360.8	14580.1	14555.9	14531.7	16205.0	17877.9	19563.7	21249.2	22239.0
50°	18574.1	17609.9	16646.0	16650.2	16654.3	18810.8	20967.4	23192.5	25417.6	26762.9
52.5°	21366.7	20199.2	19032.0	18914.0	18795.8	21371.8	23947.7	26700.8	29453.7	31066.2
55°	24339.8	23186.4	22033.0	21572.9	21112.7	23979.7	26846.5	30128.5	33410.6	35328.4
57.5°	27043.9	26415.9	25787.6	24864.6	23941.9	26836.8	29731.6	33449.1	37166.3	39544.6
60°	28678.3	29653.8	30629.6	29483.5	28337.4	31076.9	33816.4	37796.6	41776.7	44347.1
62.5°	27848.4	30514.0	33179.6	33050.5	32921.1	35430.7	37940.5	41727.3	45513.8	47889.7
65°	26187.4	28689.2	31191.0	31686.1	32180.9	35370.1	38559.6	42231.5	45903.2	47926.0
67.5°	23961.8	26341.2	28720.7	28952.8	29184.7	32507.7	35830.5	39518.2	43205.8	44790.5
70°	21287.9	23876.0	26464.3	26568.0	26672.0	29643.7	32615.1	35788.6	38961.8	39842.6
72.5°	18101.6	21071.5	24041.7	24116.4	24190.8	26515.7	28840.6	31217.4	33594.0	33683.2
75°	14070.8	17144.7	20218.6	20494.6	20770.6	22579.4	24388.2	26061.4	27734.5	27286.2
77.5°	10053.3	12922.7	15792.4	16187.4	16582.3	17957.4	19332.5	20519.1	21705.9	20935.4
80°	6579.9	8994.0	11407.8	11898.8	12389.7	13428.2	14466.2	15089.5	15712.4	14473.0
82.5°	3824.8	5475.2	7125.8	7674.1	8222.7	8937.5	9652.3	9912.3	10172.1	9198.0
85°	1682.8	2558.8	3434.7	3901.2	4367.6	4954.9	5542.1	5689.6	5837.2	5057.0
87.5°	521.0	815.4	1109.8	1370.0	1630.2	1923.9	2217.6	2230.2	2242.6	1882.7
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°
6314.5	0°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
6980.9	2.5°	6970.0	6959.1	6937.3	6915.5	6878.9	6842.3	6816.4	6790.7	6738.6	6686.5
7816.4	5°	7786.8	7757.5	7709.0	7660.6	7571.1	7482.0	7391.8	7301.9	7186.8	7071.7
8615.2	7.5°	8572.6	8529.7	8450.5	8371.2	8239.7	8108.1	7962.0	7815.6	7625.7	7435.9
9133.8	10°	9092.3	9050.7	8957.6	8864.1	8709.7	8555.4	8382.4	8209.4	7969.3	7729.1
9285.2	12.5°	9262.4	9239.7	9171.8	9104.0	8964.9	8825.3	8638.0	8450.5	8186.6	7923.0
9052.1	15°	9076.4	9100.6	9098.2	9095.7	9008.0	8920.5	8758.9	8597.1	8322.1	8047.0
8524.9	17.5°	8615.0	8704.9	8803.0	8901.2	8899.7	8898.0	8788.7	8679.5	8400.6	8121.7
7867.7	20°	8025.5	8183.2	8399.8	8616.5	8731.6	8846.6	8808.4	8770.3	8480.5	8190.5
7267.3	22.5°	7464.5	7661.8	7980.4	8299.0	8537.5	8775.9	8825.8	8875.7	8579.6	8283.3
6784.1	25°	6991.1	7198.5	7585.4	7972.4	8334.4	8696.4	8853.9	9011.4	8721.1	8431.1
6407.8	27.5°	6611.6	6815.6	7244.5	7673.4	8152.7	8632.2	8914.0	9195.6	8918.9	8641.9
6151.7	30°	6340.9	6530.2	6977.0	7423.8	8014.1	8604.3	9024.0	9443.9	9176.4	8909.2
6114.6	32.5°	6263.4	6411.9	6831.9	7251.8	7919.6	8587.4	9162.1	9737.1	9472.3	9207.7
6642.1	35°	6676.8	6711.4	7002.9	7294.7	7990.3	8686.2	9389.7	10093.3	9839.9	9586.2
8051.9	37.5°	7893.4	7734.9	7753.8	7772.7	8405.2	9037.6	9865.3	10693.0	10369.8	10046.6
10292.7	40°	9907.5	9522.2	9190.2	8858.3	9328.6	9798.9	10699.1	11599.3	11128.2	10657.2
13322.5	42.5°	12621.8	11921.0	11197.0	10473.0	10743.9	11014.8	11908.0	12801.1	12121.2	11441.3
17064.5	45°	15912.8	14761.4	13601.2	12441.3	12561.0	12680.4	13483.0	14285.2	13368.1	12451.0
21249.2	47.5°	19563.7	17877.9	16205.0	14531.7	14555.9	14580.1	15360.8	16141.3	14850.5	13559.5
25417.6	50°	23192.5	20967.4	18810.8	16654.3	16650.2	16646.0	17609.9	18574.1	16628.1	14681.9
29453.7	52.5°	26700.8	23947.7	21371.8	18795.8	18914.0	19032.0	20199.2	21366.7	18495.3	15624.0
33410.6	55°	30128.5	26846.5	23979.7	21112.7	21572.9	22033.0	23186.4	24339.8	20150.8	15962.0
37166.3	57.5°	33449.1	29731.6	26836.8	23941.9	24864.6	25787.6	26415.9	27043.9	21324.0	15604.1
41776.7	60°	37796.6	33816.4	31076.9	28337.4	29483.5	30629.6	29653.8	28678.3	21617.2	14555.9
45513.8	62.5°	41727.3	37940.5	35430.7	32921.1	33050.5	33179.6	30514.0	27848.4	20382.7	12916.9
45903.2	65°	42231.5	38559.6	35370.1	32180.9	31686.1	31191.0	28689.2	26187.4	18635.9	11084.4
43205.8	67.5°	39518.2	35830.5	32507.7	29184.7	28952.8	28720.7	26341.2	23961.8	16557.1	9152.4
38961.8	70°	35788.6	32615.1	29643.7	26672.0	26568.0	26464.3	23876.0	21287.9	14288.9	7289.8
33594.0	72.5°	31217.4	28840.6	26515.7	24190.8	24116.4	24041.7	21071.5	18101.6	11829.9	5558.5
27734.5	75°	26061.4	24388.2	22579.4	20770.6	20494.6	20218.6	17144.7	14070.8	9011.2	3951.6
21705.9	77.5°	20519.1	19332.5	17957.4	16582.3	16187.4	15792.4	12922.7	10053.3	6307.0	2560.7
15712.4	80°	15089.5	14466.2	13428.2	12389.7	11898.8	11407.8	8994.0	6579.9	4063.5	1547.1
10172.1	82.5°	9912.3	9652.3	8937.5	8222.7	7674.1	7125.8	5475.2	3824.8	2351.8	879.1
5837.2	85°	5689.6	5542.1	4954.9	4367.6	3901.2	3434.7	2558.8	1682.8	1057.9	433.2
2242.6	87.5°	2230.2	2217.6	1923.9	1630.2	1370.0	1109.8	815.4	521.0	346.5	172.0
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°
6314.5	0°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
6631.0	2.5°	6575.7	6520.0	6464.3	6411.0	6357.7	6306.1	6248.6	6202.1	6155.8	6113.9
6956.9	5°	6842.3	6726.7	6611.4	6503.5	6395.7	6293.9	6193.4	6105.7	6017.7	5944.0
7260.5	7.5°	7085.1	6914.2	6743.4	6592.9	6442.5	6303.6	6173.5	6056.7	5940.2	5843.2
7497.2	10°	7265.6	7058.2	6850.5	6672.7	6494.3	6323.0	6183.2	6060.1	5937.0	5840.1
7660.3	12.5°	7397.6	7152.9	6908.2	6706.8	6505.5	6325.4	6195.3	6094.5	5994.2	5929.7
7762.1	15°	7477.1	7195.3	6913.5	6680.4	6447.3	6247.9	6143.7	6095.5	6047.5	6056.2
7810.8	17.5°	7499.9	7172.8	6845.7	6565.3	6285.0	6050.4	5986.2	6003.9	6021.3	6127.0
7848.8	20°	7507.2	7110.8	6714.3	6366.9	6019.4	5746.3	5729.4	5811.7	5894.1	6077.6
7900.2	22.5°	7516.9	7034.7	6552.5	6134.0	5715.5	5404.7	5437.9	5559.7	5681.6	5891.0
7993.2	25°	7555.1	6959.6	6364.2	5874.0	5384.1	5065.4	5155.1	5295.6	5436.2	5624.4
8138.6	27.5°	7635.1	6909.4	6183.7	5636.3	5088.9	4798.9	4907.9	5043.6	5179.3	5334.2
8326.9	30°	7744.6	6885.9	6026.7	5437.6	4848.6	4605.1	4690.6	4798.2	4906.2	5034.7
8523.4	32.5°	7839.1	6856.8	5874.0	5266.3	4658.4	4462.1	4500.1	4563.9	4627.6	4730.1
8747.3	35°	7908.4	6802.1	5696.2	5097.9	4499.6	4336.1	4320.3	4337.8	4355.5	4433.7
8998.1	37.5°	7949.6	6708.3	5466.9	4899.7	4332.5	4189.5	4131.8	4112.4	4093.1	4149.3
9316.5	40°	7975.6	6579.1	5183.0	4663.2	4143.5	4013.8	3925.4	3881.5	3837.7	3878.1
9733.0	42.5°	8024.7	6445.9	4867.5	4402.2	3937.0	3817.6	3706.1	3647.9	3589.8	3622.7
10281.1	45°	8111.2	6322.0	4533.1	4125.0	3717.0	3595.8	3488.0	3431.3	3374.9	3402.5
10865.1	47.5°	8170.6	6219.8	4269.0	3905.8	3542.5	3386.2	3293.4	3246.0	3198.5	3224.6
11406.9	50°	8131.8	6108.3	4084.8	3760.1	3435.4	3230.0	3122.1	3080.0	3038.1	3078.8
11758.7	52.5°	7893.2	5920.1	3947.2	3664.2	3381.4	3145.2	2994.4	2952.8	2911.3	2972.6
11681.2	55°	7400.1	5608.0	3815.9	3594.6	3373.4	3153.6	2926.6	2860.7	2795.0	2882.0
11135.5	57.5°	6667.1	5167.9	3668.5	3512.2	3356.0	3162.1	2885.9	2789.9	2694.0	2787.5
10120.0	60°	5684.0	4596.6	3509.1	3386.2	3263.4	3135.5	2847.6	2723.3	2598.7	2680.9
8746.8	62.5°	4576.7	3912.8	3248.9	3167.2	3085.8	3070.0	2803.0	2647.5	2492.1	2544.2
7345.8	65°	3607.5	3297.6	2987.7	2949.1	2910.6	2912.5	2709.0	2543.7	2378.2	2398.4
5973.4	67.5°	2794.3	2706.3	2618.1	2639.7	2661.0	2655.7	2541.3	2403.7	2266.1	2259.8
4703.2	70°	2116.6	2141.8	2166.7	2266.5	2366.1	2366.1	2328.6	2230.7	2132.8	2111.0
3595.6	72.5°	1632.7	1708.5	1784.6	1926.1	2067.4	2091.1	2091.6	2024.5	1957.4	1925.4
2609.7	75°	1267.8	1336.6	1405.4	1563.9	1722.3	1831.8	1822.6	1771.0	1719.2	1688.6
1768.4	77.5°	976.0	1022.8	1069.8	1223.7	1377.5	1558.0	1553.2	1511.8	1470.3	1439.3
1139.3	80°	731.8	751.2	770.5	900.9	1031.0	1246.7	1245.9	1211.3	1176.4	1150.5
700.8	82.5°	522.9	526.3	530.2	626.1	722.1	906.2	916.4	899.4	882.5	864.1
374.6	85°	316.2	314.5	312.6	382.8	453.1	590.0	603.3	585.2	567.0	546.4
155.3	87.5°	138.6	136.9	135.2	163.8	192.6	249.6	266.5	259.3	252.0	248.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6314.5	0°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
6072.2	2.5°	6035.6	5999.0	5962.2	5925.6	5897.3	5868.7	5845.7	5822.6	5804.7	5786.8
5870.6	5°	5805.7	5740.7	5681.9	5622.7	5577.4	5531.9	5500.1	5468.4	5445.9	5423.3
5746.3	7.5°	5664.7	5582.8	5510.6	5438.6	5384.6	5330.8	5293.0	5255.2	5229.2	5203.6
5743.2	10°	5655.2	5567.0	5485.8	5404.7	5340.2	5275.5	5233.4	5190.7	5166.2	5141.8
5865.8	12.5°	5796.5	5727.7	5643.6	5559.7	5477.4	5395.0	5340.5	5285.9	5258.6	5231.4
6065.0	15°	6047.0	6029.1	5956.2	5883.2	5765.9	5648.7	5565.8	5482.9	5444.9	5407.1
6232.6	17.5°	6288.8	6344.8	6285.9	6227.3	6072.0	5916.7	5794.5	5672.4	5616.2	5559.7
6261.2	20°	6378.7	6496.3	6469.1	6441.7	6264.1	6086.8	5937.0	5787.5	5715.5	5643.3
6100.8	22.5°	6253.7	6406.6	6423.1	6439.3	6269.7	6100.1	5946.0	5791.6	5715.8	5639.7
5813.0	25°	5963.4	6113.9	6170.1	6226.1	6087.0	5948.2	5811.0	5674.4	5608.4	5542.8
5488.7	27.5°	5609.4	5730.1	5792.6	5855.4	5756.3	5657.4	5551.0	5444.6	5400.5	5356.2
5163.1	30°	5263.2	5363.5	5414.4	5465.2	5389.9	5314.3	5238.2	5161.6	5139.1	5116.3
4832.8	32.5°	4928.8	5025.0	5081.4	5138.1	5068.8	4999.3	4938.5	4877.6	4862.9	4848.1
4511.8	35°	4606.7	4702.0	4769.8	4837.7	4788.2	4739.0	4682.8	4626.9	4604.3	4582.0
4205.2	37.5°	4300.0	4395.0	4478.8	4562.6	4539.9	4517.1	4465.5	4413.6	4372.7	4332.0
3918.6	40°	4010.2	4101.8	4198.2	4294.9	4300.5	4305.8	4261.9	4218.1	4158.5	4099.4
3655.9	42.5°	3742.7	3829.7	3933.9	4038.1	4065.9	4093.8	4056.7	4019.9	3946.0	3872.1
3430.6	45°	3513.0	3595.4	3703.4	3811.5	3851.5	3891.5	3858.0	3824.8	3740.3	3655.9
3250.6	47.5°	3331.2	3411.7	3518.3	3624.9	3671.0	3717.0	3693.7	3670.5	3595.4	3520.2
3119.7	50°	3195.8	3271.6	3367.1	3462.6	3521.7	3580.8	3579.4	3578.4	3518.3	3458.2
3033.7	52.5°	3103.5	3173.0	3261.9	3351.1	3421.1	3491.2	3503.8	3516.4	3467.4	3418.5
2968.8	55°	3043.9	3119.0	3197.0	3274.8	3348.9	3423.3	3440.8	3458.2	3415.6	3372.9
2881.0	57.5°	2969.2	3057.4	3134.5	3211.8	3286.7	3361.3	3379.0	3396.7	3353.5	3310.4
2762.8	60°	2864.1	2965.4	3043.6	3122.1	3197.2	3272.4	3291.7	3311.1	3269.0	3227.1
2596.3	62.5°	2714.3	2832.6	2916.2	2999.8	3068.6	3137.4	3156.1	3174.7	3136.7	3098.6
2418.2	65°	2544.7	2671.4	2751.4	2831.4	2891.9	2952.5	2971.7	2990.6	2954.0	2917.4
2253.5	67.5°	2370.3	2487.3	2563.1	2638.7	2691.1	2743.4	2762.1	2780.5	2746.8	2713.4
2089.2	70°	2191.9	2294.7	2360.1	2425.5	2472.7	2520.0	2537.9	2555.9	2528.5	2501.1
1893.6	72.5°	1974.6	2055.3	2114.4	2173.5	2219.8	2266.1	2287.4	2308.7	2285.9	2263.2
1657.9	75°	1718.0	1778.1	1831.6	1885.2	1927.3	1969.5	1991.8	2014.1	2002.9	1991.8
1408.3	77.5°	1457.2	1505.9	1552.0	1598.0	1642.4	1686.5	1707.3	1728.1	1712.6	1696.6
1124.3	80°	1165.0	1205.5	1244.2	1283.0	1316.7	1350.1	1377.8	1405.4	1398.6	1392.1
845.7	82.5°	842.3	838.9	825.3	811.7	883.5	955.2	1002.2	1049.2	1046.3	1043.1
525.8	85°	508.4	490.7	453.1	415.6	482.7	550.0	608.2	666.3	661.5	656.7
244.2	87.5°	243.5	242.8	214.2	185.4	213.5	241.8	265.3	288.8	283.0	276.7
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°
6314.5	0°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
5770.3	2.5°	5753.6	5733.0	5753.6	5770.3	5786.8	5804.7	5822.6	5845.7	5868.7	5897.3
5406.1	5°	5388.9	5372.0	5388.9	5406.1	5423.3	5445.9	5468.4	5500.1	5531.9	5577.4
5188.0	7.5°	5172.8	5161.1	5172.8	5188.0	5203.6	5229.2	5255.2	5293.0	5330.8	5384.6
5128.7	10°	5115.6	5110.3	5115.6	5128.7	5141.8	5166.2	5190.7	5233.4	5275.5	5340.2
5220.3	12.5°	5209.1	5207.2	5209.1	5220.3	5231.4	5258.6	5285.9	5340.5	5395.0	5477.4
5392.6	15°	5378.0	5376.8	5378.0	5392.6	5407.1	5444.9	5482.9	5565.8	5648.7	5765.9
5541.3	17.5°	5522.7	5519.8	5522.7	5541.3	5559.7	5616.2	5672.4	5794.5	5916.7	6072.0
5620.3	20°	5597.3	5590.0	5597.3	5620.3	5643.3	5715.5	5787.5	5937.0	6086.8	6264.1
5614.3	22.5°	5588.8	5577.9	5588.8	5614.3	5639.7	5715.8	5791.6	5946.0	6100.1	6269.7
5518.8	25°	5495.0	5481.0	5495.0	5518.8	5542.8	5608.4	5674.4	5811.0	5948.2	6087.0
5345.3	27.5°	5334.4	5330.8	5334.4	5345.3	5356.2	5400.5	5444.6	5551.0	5657.4	5756.3
5116.3	30°	5116.3	5120.0	5116.3	5116.3	5116.3	5139.1	5161.6	5238.2	5314.3	5389.9
4850.0	32.5°	4852.2	4855.8	4852.2	4850.0	4848.1	4862.9	4877.6	4938.5	4999.3	5068.8
4577.2	35°	4572.3	4569.9	4572.3	4577.2	4582.0	4604.3	4626.9	4682.8	4739.0	4788.2
4310.4	37.5°	4288.8	4276.7	4288.8	4310.4	4332.0	4372.7	4413.6	4465.5	4517.1	4539.9
4059.1	40°	4019.4	3995.7	4019.4	4059.1	4099.4	4158.5	4218.1	4261.9	4305.8	4300.5
3813.7	42.5°	3755.3	3717.0	3755.3	3813.7	3872.1	3946.0	4019.9	4056.7	4093.8	4065.9
3587.4	45°	3518.8	3474.7	3518.8	3587.4	3655.9	3740.3	3824.8	3858.0	3891.5	3851.5
3456.8	47.5°	3393.5	3351.1	3393.5	3456.8	3520.2	3595.4	3670.5	3693.7	3717.0	3671.0
3399.6	50°	3340.9	3300.2	3340.9	3399.6	3458.2	3518.3	3578.4	3579.4	3580.8	3521.7
3365.9	52.5°	3313.6	3276.0	3313.6	3365.9	3418.5	3467.4	3516.4	3503.8	3491.2	3421.1
3326.9	55°	3280.8	3246.9	3280.8	3326.9	3372.9	3415.6	3458.2	3440.8	3423.3	3348.9
3264.9	57.5°	3219.1	3183.9	3219.1	3264.9	3310.4	3353.5	3396.7	3379.0	3361.3	3286.7
3180.0	60°	3133.0	3096.7	3133.0	3180.0	3227.1	3269.0	3311.1	3291.7	3272.4	3197.2
3049.2	62.5°	2999.8	2956.2	2999.8	3049.2	3098.6	3136.7	3174.7	3156.1	3137.4	3068.6
2869.4	65°	2821.7	2784.1	2821.7	2869.4	2917.4	2954.0	2990.6	2971.7	2952.5	2891.9
2668.8	67.5°	2624.2	2590.3	2624.2	2668.8	2713.4	2746.8	2780.5	2762.1	2743.4	2691.1
2458.5	70°	2415.8	2377.0	2415.8	2458.5	2501.1	2528.5	2555.9	2537.9	2520.0	2472.7
2222.4	72.5°	2182.0	2144.4	2182.0	2222.4	2263.2	2285.9	2308.7	2287.4	2266.1	2219.8
1957.6	75°	1923.4	1887.6	1923.4	1957.6	1991.8	2002.9	2014.1	1991.8	1969.5	1927.3
1662.2	77.5°	1627.8	1599.2	1627.8	1662.2	1696.6	1712.6	1728.1	1707.3	1686.5	1642.4
1345.8	80°	1299.3	1245.5	1299.3	1345.8	1392.1	1398.6	1405.4	1377.8	1350.1	1316.7
1004.1	82.5°	964.9	930.5	964.9	1004.1	1043.1	1046.3	1049.2	1002.2	955.2	883.5
626.1	85°	595.6	564.6	595.6	626.1	656.7	661.5	666.3	608.2	550.0	482.7
261.2	87.5°	245.2	230.2	245.2	261.2	276.7	283.0	288.8	265.3	241.8	213.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6314.5	0°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
5925.6	2.5°	5962.2	5999.0	6035.6	6072.2	6113.9	6155.8	6202.1	6248.6	6306.1	6357.7
5622.7	5°	5681.9	5740.7	5805.7	5870.6	5944.0	6017.7	6105.7	6193.4	6293.9	6395.7
5438.6	7.5°	5510.6	5582.8	5664.7	5746.3	5843.2	5940.2	6056.7	6173.5	6303.6	6442.5
5404.7	10°	5485.8	5567.0	5655.2	5743.2	5840.1	5937.0	6060.1	6183.2	6323.0	6494.3
5559.7	12.5°	5643.6	5727.7	5796.5	5865.8	5929.7	5994.2	6094.5	6195.3	6325.4	6505.5
5883.2	15°	5956.2	6029.1	6047.0	6065.0	6056.2	6047.5	6095.5	6143.7	6247.9	6447.3
6227.3	17.5°	6285.9	6344.8	6288.8	6232.6	6127.0	6021.3	6003.9	5986.2	6050.4	6285.0
6441.7	20°	6469.1	6496.3	6378.7	6261.2	6077.6	5894.1	5811.7	5729.4	5746.3	6019.4
6439.3	22.5°	6423.1	6406.6	6253.7	6100.8	5891.0	5681.6	5559.7	5437.9	5404.7	5715.5
6226.1	25°	6170.1	6113.9	5963.4	5813.0	5624.4	5436.2	5295.6	5155.1	5065.4	5384.1
5855.4	27.5°	5792.6	5730.1	5609.4	5488.7	5334.2	5179.3	5043.6	4907.9	4798.9	5088.9
5465.2	30°	5414.4	5363.5	5263.2	5163.1	5034.7	4906.2	4798.2	4690.6	4605.1	4848.6
5138.1	32.5°	5081.4	5025.0	4928.8	4832.8	4730.1	4627.6	4563.9	4500.1	4462.1	4658.4
4837.7	35°	4769.8	4702.0	4606.7	4511.8	4433.7	4355.5	4337.8	4320.3	4336.1	4499.6
4562.6	37.5°	4478.8	4395.0	4300.0	4205.2	4149.3	4093.1	4112.4	4131.8	4189.5	4332.5
4294.9	40°	4198.2	4101.8	4010.2	3918.6	3878.1	3837.7	3881.5	3925.4	4013.8	4143.5
4038.1	42.5°	3933.9	3829.7	3742.7	3655.9	3622.7	3589.8	3647.9	3706.1	3817.6	3937.0
3811.5	45°	3703.4	3595.4	3513.0	3430.6	3402.5	3374.9	3431.3	3488.0	3595.8	3717.0
3624.9	47.5°	3518.3	3411.7	3331.2	3250.6	3224.6	3198.5	3246.0	3293.4	3386.2	3542.5
3462.6	50°	3367.1	3271.6	3195.8	3119.7	3078.8	3038.1	3080.0	3122.1	3230.0	3435.4
3351.1	52.5°	3261.9	3173.0	3103.5	3033.7	2972.6	2911.3	2952.8	2994.4	3145.2	3381.4
3274.8	55°	3197.0	3119.0	3043.9	2968.8	2882.0	2795.0	2860.7	2926.6	3153.6	3373.4
3211.8	57.5°	3134.5	3057.4	2969.2	2881.0	2787.5	2694.0	2789.9	2885.9	3162.1	3356.0
3122.1	60°	3043.6	2965.4	2864.1	2762.8	2680.9	2598.7	2723.3	2847.6	3135.5	3263.4
2999.8	62.5°	2916.2	2832.6	2714.3	2596.3	2544.2	2492.1	2647.5	2803.0	3070.0	3085.8
2831.4	65°	2751.4	2671.4	2544.7	2418.2	2398.4	2378.2	2543.7	2709.0	2912.5	2910.6
2638.7	67.5°	2563.1	2487.3	2370.3	2253.5	2259.8	2266.1	2403.7	2541.3	2655.7	2661.0
2425.5	70°	2360.1	2294.7	2191.9	2089.2	2111.0	2132.8	2230.7	2328.6	2366.1	2366.1
2173.5	72.5°	2114.4	2055.3	1974.6	1893.6	1925.4	1957.4	2024.5	2091.6	2091.1	2067.4
1885.2	75°	1831.6	1778.1	1718.0	1657.9	1688.6	1719.2	1771.0	1822.6	1831.8	1722.3
1598.0	77.5°	1552.0	1505.9	1457.2	1408.3	1439.3	1470.3	1511.8	1553.2	1558.0	1377.5
1283.0	80°	1244.2	1205.5	1165.0	1124.3	1150.5	1176.4	1211.3	1245.9	1246.7	1031.0
811.7	82.5°	825.3	838.9	842.3	845.7	864.1	882.5	899.4	916.4	906.2	722.1
415.6	85°	453.1	490.7	508.4	525.8	546.4	567.0	585.2	603.3	590.0	453.1
185.4	87.5°	214.2	242.8	243.5	244.2	248.1	252.0	259.3	266.5	249.6	192.6
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°
6314.5	0°	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5	6314.5
6411.0	2.5°	6464.3	6520.0	6575.7	6631.0	6686.5	6738.6	6790.7
6503.5	5°	6611.4	6726.7	6842.3	6956.9	7071.7	7186.8	7301.9
6592.9	7.5°	6743.4	6914.2	7085.1	7260.5	7435.9	7625.7	7815.6
6672.7	10°	6850.5	7058.2	7265.6	7497.2	7729.1	7969.3	8209.4
6706.8	12.5°	6908.2	7152.9	7397.6	7660.3	7923.0	8186.6	8450.5
6680.4	15°	6913.5	7195.3	7477.1	7762.1	8047.0	8322.1	8597.1
6565.3	17.5°	6845.7	7172.8	7499.9	7810.8	8121.7	8400.6	8679.5
6366.9	20°	6714.3	7110.8	7507.2	7848.8	8190.5	8480.5	8770.3
6134.0	22.5°	6552.5	7034.7	7516.9	7900.2	8283.3	8579.6	8875.7
5874.0	25°	6364.2	6959.6	7555.1	7993.2	8431.1	8721.1	9011.4
5636.3	27.5°	6183.7	6909.4	7635.1	8138.6	8641.9	8918.9	9195.6
5437.6	30°	6026.7	6885.9	7744.6	8326.9	8909.2	9176.4	9443.9
5266.3	32.5°	5874.0	6856.8	7839.1	8523.4	9207.7	9472.3	9737.1
5097.9	35°	5696.2	6802.1	7908.4	8747.3	9586.2	9839.9	10093.3
4899.7	37.5°	5466.9	6708.3	7949.6	8998.1	10046.6	10369.8	10693.0
4663.2	40°	5183.0	6579.1	7975.6	9316.5	10657.2	11128.2	11599.3
4402.2	42.5°	4867.5	6445.9	8024.7	9733.0	11441.3	12121.2	12801.1
4125.0	45°	4533.1	6322.0	8111.2	10281.1	12451.0	13368.1	14285.2
3905.8	47.5°	4269.0	6219.8	8170.6	10865.1	13559.5	14850.5	16141.3
3760.1	50°	4084.8	6108.3	8131.8	11406.9	14681.9	16628.1	18574.1
3664.2	52.5°	3947.2	5920.1	7893.2	11758.7	15624.0	18495.3	21366.7
3594.6	55°	3815.9	5608.0	7400.1	11681.2	15962.0	20150.8	24339.8
3512.2	57.5°	3668.5	5167.9	6667.1	11135.5	15604.1	21324.0	27043.9
3386.2	60°	3509.1	4596.6	5684.0	10120.0	14555.9	21617.2	28678.3
3167.2	62.5°	3248.9	3912.8	4576.7	8746.8	12916.9	20382.7	27848.4
2949.1	65°	2987.7	3297.6	3607.5	7345.8	11084.4	18635.9	26187.4
2639.7	67.5°	2618.1	2706.3	2794.3	5973.4	9152.4	16557.1	23961.8
2266.5	70°	2166.7	2141.8	2116.6	4703.2	7289.8	14288.9	21287.9
1926.1	72.5°	1784.6	1708.5	1632.7	3595.6	5558.5	11829.9	18101.6
1563.9	75°	1405.4	1336.6	1267.8	2609.7	3951.6	9011.2	14070.8
1223.7	77.5°	1069.8	1022.8	976.0	1768.4	2560.7	6307.0	10053.3
900.9	80°	770.5	751.2	731.8	1139.3	1547.1	4063.5	6579.9
626.1	82.5°	530.2	526.3	522.9	700.8	879.1	2351.8	3824.8
382.8	85°	312.6	314.5	316.2	374.6	433.2	1057.9	1682.8
163.8	87.5°	135.2	136.9	138.6	155.3	172.0	346.5	521.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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