

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: P957146

Luminaire Tested: **GALN-SB9C-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957146
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-SB9C-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 61074 lumens
Efficiency: N/A
Efficacy: 135.8 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

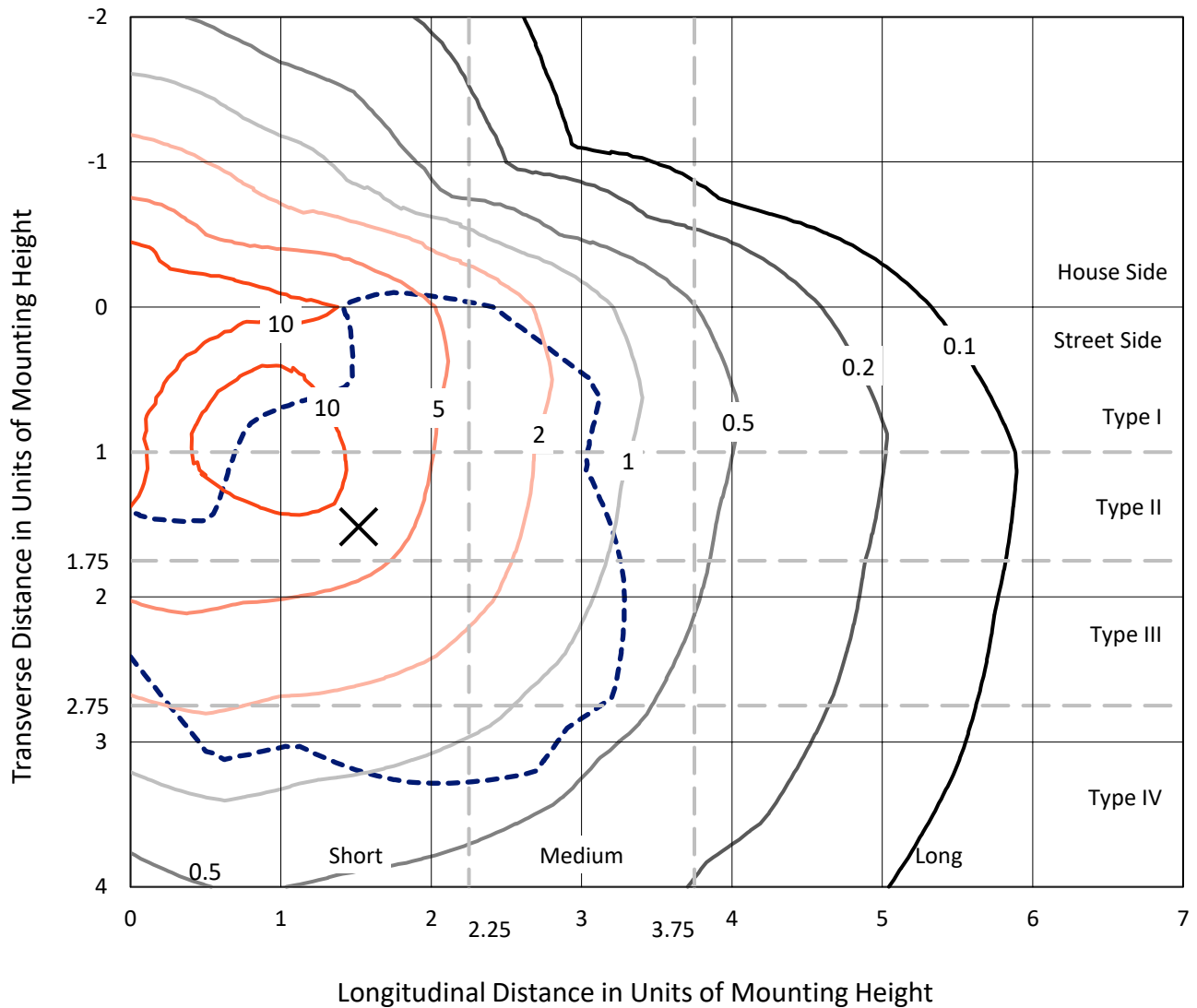
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

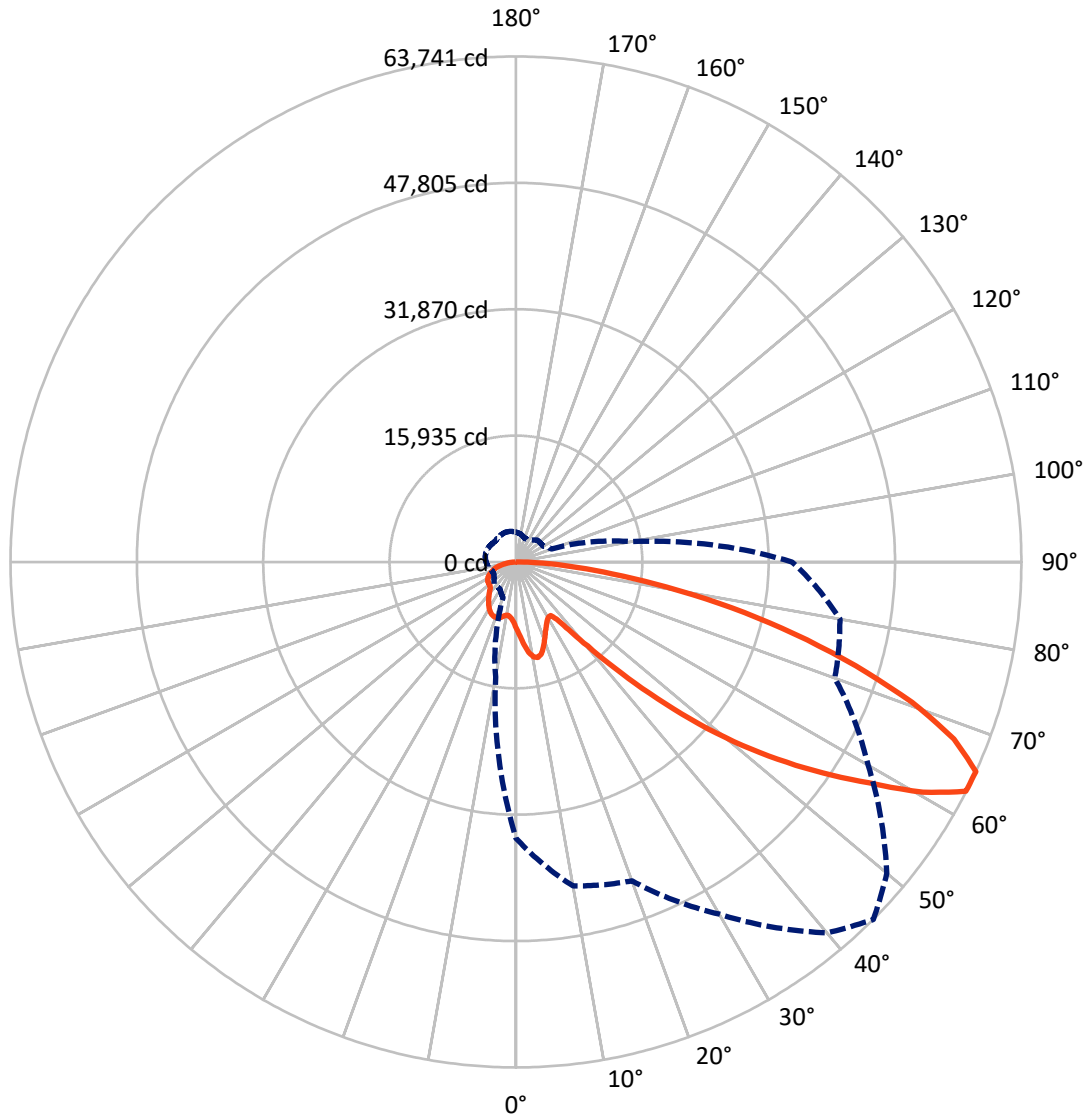
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.6 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
House Side	Lumens	15521.9	0.0	15521.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	45552.1	0.0	45552.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	61074.0	0.0	61074.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.1	1.4
10°-20°	2615.3	4.3
20°-30°	4039.7	6.6
30°-40°	5119.3	8.4
40°-50°	7721.2	12.6
50°-60°	12474.7	20.4
60°-70°	15551.7	25.5
70°-80°	10198.0	16.7
80°-90°	2521.2	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°	61074.0	100.0
0°-180°	61074.0	100.0



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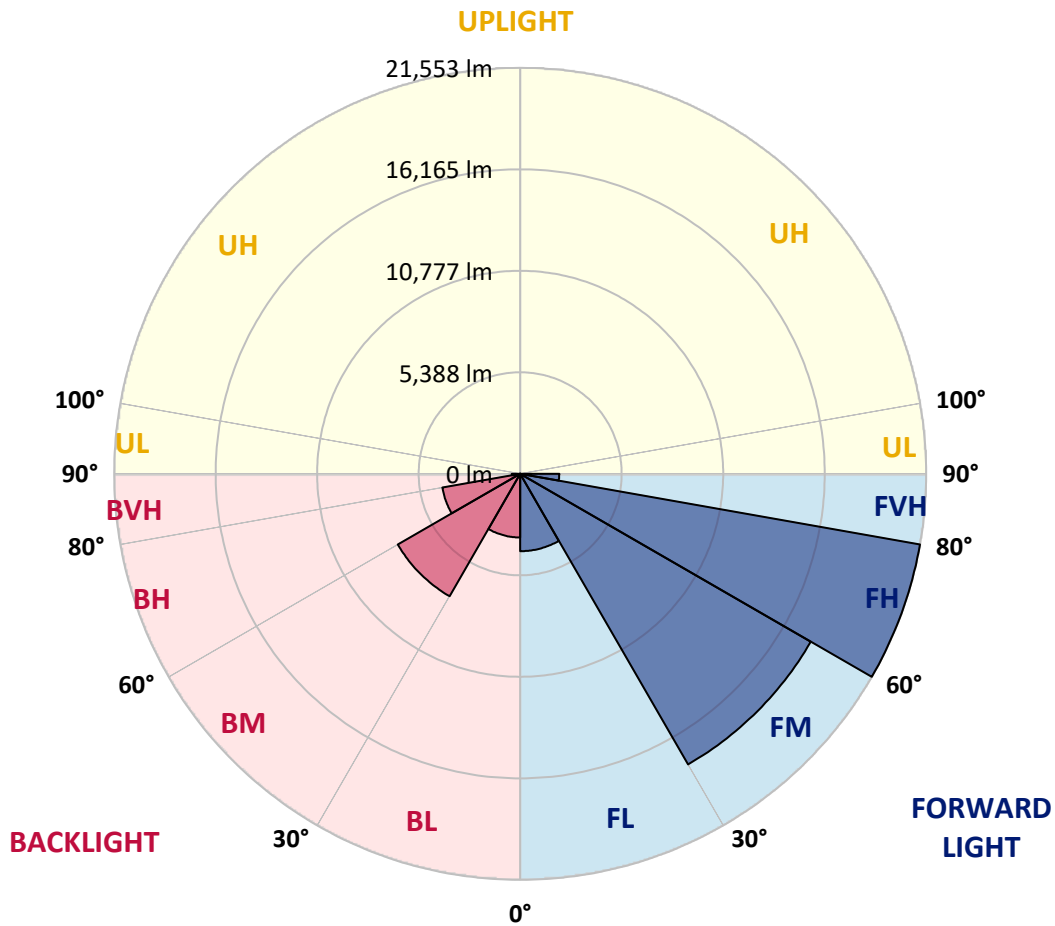
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4107.9	6.7			
FM (30°-60°)	17814.0	29.2			
FH (60°-80°)	21553.3	35.3			G5
FVH (80°-90°)	2076.9	3.4			G5
BL (0°-30°)	3380.1	5.5	B4/5000		
BM (30°-60°)	7501.1	12.3	B4/8500		
BH (60°-80°)	4196.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	444.3	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°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
2.5°	9031.4	9065.6	9100.1	9148.8	9197.4	9226.4	9255.4	9269.9	9284.4	9278.0
5°	9711.4	9831.0	9950.9	10069.5	10188.4	10252.8	10317.3	10356.3	10395.6	10425.2
7.5°	10394.6	10589.3	10783.6	10958.6	11133.6	11239.0	11344.3	11401.4	11458.1	11485.5
10°	10918.3	11148.4	11378.5	11583.8	11789.1	11913.5	12037.2	12092.6	12147.7	12168.7
12.5°	11239.0	11488.4	11737.5	11923.1	12108.1	12198.3	12288.6	12318.9	12349.2	12352.4
15°	11433.9	11649.2	11864.2	11980.5	12097.1	12100.4	12103.6	12071.4	12039.1	12001.1
17.5°	11543.5	11688.8	11834.2	11836.4	11838.4	11707.9	11577.3	11457.8	11337.9	11253.5
20°	11664.3	11714.9	11765.9	11612.8	11459.7	11171.6	10883.5	10673.7	10463.9	10335.0
22.5°	11804.5	11738.1	11671.8	11354.7	11037.5	10613.8	10190.0	9927.7	9665.3	9522.9
25°	11985.0	11775.5	11566.1	11084.6	10603.1	10088.5	9573.8	9298.0	9022.7	8888.0
27.5°	12229.9	11855.4	11480.7	10842.9	10205.5	9635.1	9064.6	8793.3	8522.3	8395.0
30°	12560.2	12001.8	11443.6	10658.6	9873.5	9279.3	8685.0	8433.3	8181.6	8063.0
32.5°	12950.2	12185.4	11421.0	10532.9	9644.7	9086.2	8527.8	8330.2	8132.3	8046.9
35°	13423.9	12488.1	11552.5	10627.0	9701.8	9313.8	8926.1	8880.0	8833.9	8826.8
37.5°	14221.5	13120.7	12019.8	11178.7	10337.6	10312.4	10287.3	10498.1	10708.8	10818.4
40°	15426.8	14229.6	13032.4	12406.8	11781.3	12222.8	12664.3	13176.7	13689.1	13944.4
42.5°	17025.2	15837.3	14649.5	14289.2	13928.9	14891.8	15854.7	16786.7	17718.7	18265.9
45°	18999.1	17932.1	16864.7	16705.8	16546.6	18089.3	19632.3	21163.7	22695.4	23625.2
47.5°	21467.6	20429.6	19391.3	19359.0	19326.8	21552.4	23777.3	26019.3	28260.9	29577.4
50°	24703.2	23420.9	22138.9	22144.4	22149.9	25018.0	27886.2	30845.5	33804.9	35594.1
52.5°	28417.2	26864.6	25312.2	25155.3	24998.0	28424.0	31850.0	35511.6	39172.8	41317.5
55°	32371.4	30837.4	29303.5	28691.5	28079.5	31892.5	35705.2	40070.3	44435.4	46986.1
57.5°	35967.9	35132.6	34297.0	33069.4	31842.3	35692.4	39542.4	44486.6	49430.5	52593.5
60°	38141.6	39439.0	40736.8	39212.4	37688.1	41331.7	44975.2	50268.7	55562.2	58980.8
62.5°	37037.8	40583.0	44128.3	43956.5	43784.4	47122.1	50460.1	55496.4	60532.5	63692.3
65°	34828.7	38156.1	41483.4	42141.8	42799.9	47041.5	51283.5	56167.1	61050.3	63740.6
67.5°	31868.7	35033.3	38198.0	38506.7	38815.1	43234.6	47653.8	52558.4	57462.9	59570.5
70°	28312.5	31754.6	35197.0	35335.0	35473.2	39425.5	43377.4	47598.1	51818.4	52989.9
72.5°	24074.7	28024.7	31975.0	32074.3	32173.2	35265.4	38357.5	41518.6	44679.3	44797.9
75°	18713.9	22802.1	26890.4	27257.4	27624.5	30030.2	32435.9	34661.1	36886.3	36290.2
77.5°	13370.7	17187.0	21003.6	21528.8	22054.1	23883.0	25711.8	27290.0	28868.4	27843.6
80°	8751.1	11961.8	15172.2	15825.1	16478.0	17859.2	19239.8	20068.7	20897.2	19248.8
82.5°	5086.9	7281.9	9477.1	10206.4	10936.0	11886.7	12837.4	13183.2	13528.6	12233.1
85°	2238.1	3403.1	4568.1	5188.5	5808.8	6590.0	7370.8	7567.1	7763.3	6725.7
87.5°	692.9	1084.4	1476.0	1822.1	2168.2	2558.8	2949.4	2966.1	2982.6	2504.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
9284.4	2.5°	9269.9	9255.4	9226.4	9197.4	9148.8	9100.1	9065.6	9031.4	8962.2	8892.9
10395.6	5°	10356.3	10317.3	10252.8	10188.4	10069.5	9950.9	9831.0	9711.4	9558.4	9405.3
11458.1	7.5°	11401.4	11344.3	11239.0	11133.6	10958.6	10783.6	10589.3	10394.6	10142.0	9889.6
12147.7	10°	12092.6	12037.2	11913.5	11789.1	11583.8	11378.5	11148.4	10918.3	10598.9	10279.6
12349.2	12.5°	12318.9	12288.6	12198.3	12108.1	11923.1	11737.5	11488.4	11239.0	10888.0	10537.4
12039.1	15°	12071.4	12103.6	12100.4	12097.1	11980.5	11864.2	11649.2	11433.9	11068.2	10702.4
11337.9	17.5°	11457.8	11577.3	11707.9	11838.4	11836.4	11834.2	11688.8	11543.5	11172.6	10801.6
10463.9	20°	10673.7	10883.5	11171.6	11459.7	11612.8	11765.9	11714.9	11664.3	11278.9	10893.2
9665.3	22.5°	9927.7	10190.0	10613.8	11037.5	11354.7	11671.8	11738.1	11804.5	11410.7	11016.6
9022.7	25°	9298.0	9573.8	10088.5	10603.1	11084.6	11566.1	11775.5	11985.0	11598.9	11213.2
8522.3	27.5°	8793.3	9064.6	9635.1	10205.5	10842.9	11480.7	11855.4	12229.9	11861.9	11493.5
8181.6	30°	8433.3	8685.0	9279.3	9873.5	10658.6	11443.6	12001.8	12560.2	12204.5	11849.0
8132.3	32.5°	8330.2	8527.8	9086.2	9644.7	10532.9	11421.0	12185.4	12950.2	12597.9	12246.0
8833.9	35°	8880.0	8926.1	9313.8	9701.8	10627.0	11552.5	12488.1	13423.9	13086.8	12749.4
10708.8	37.5°	10498.1	10287.3	10312.4	10337.6	11178.7	12019.8	13120.7	14221.5	13791.6	13361.7
13689.1	40°	13176.7	12664.3	12222.8	11781.3	12406.8	13032.4	14229.6	15426.8	14800.3	14173.8
17718.7	42.5°	16786.7	15854.7	14891.8	13928.9	14289.2	14649.5	15837.3	17025.2	16120.9	15216.7
22695.4	45°	21163.7	19632.3	18089.3	16546.6	16705.8	16864.7	17932.1	18999.1	17779.3	16559.5
28260.9	47.5°	26019.3	23777.3	21552.4	19326.8	19359.0	19391.3	20429.6	21467.6	19750.9	18033.9
33804.9	50°	30845.5	27886.2	25018.0	22149.9	22144.4	22138.9	23420.9	24703.2	22115.0	19526.6
39172.8	52.5°	35511.6	31850.0	28424.0	24998.0	25155.3	25312.2	26864.6	28417.2	24598.4	20779.6
44435.4	55°	40070.3	35705.2	31892.5	28079.5	28691.5	29303.5	30837.4	32371.4	26800.1	21229.1
49430.5	57.5°	44486.6	39542.4	35692.4	31842.3	33069.4	34297.0	35132.6	35967.9	28360.5	20753.2
55562.2	60°	50268.7	44975.2	41331.7	37688.1	39212.4	40736.8	39439.0	38141.6	28750.5	19359.0
60532.5	62.5°	55496.4	50460.1	47122.1	43784.4	43956.5	44128.3	40583.0	37037.8	27108.5	17179.3
61050.3	65°	56167.1	51283.5	47041.5	42799.9	42141.8	41483.4	38156.1	34828.7	24785.3	14742.0
57462.9	67.5°	52558.4	47653.8	43234.6	38815.1	38506.7	38198.0	35033.3	31868.7	22020.6	12172.6
51818.4	70°	47598.1	43377.4	39425.5	35473.2	35335.0	35197.0	31754.6	28312.5	19003.9	9695.3
44679.3	72.5°	41518.6	38357.5	35265.4	32173.2	32074.3	31975.0	28024.7	24074.7	15733.6	7392.7
36886.3	75°	34661.1	32435.9	30030.2	27624.5	27257.4	26890.4	22802.1	18713.9	11984.7	5255.5
28868.4	77.5°	27290.0	25711.8	23883.0	22054.1	21528.8	21003.6	17187.0	13370.7	8388.2	3405.7
20897.2	80°	20068.7	19239.8	17859.2	16478.0	15825.1	15172.2	11961.8	8751.1	5404.4	2057.7
13528.6	82.5°	13183.2	12837.4	11886.7	10936.0	10206.4	9477.1	7281.9	5086.9	3127.9	1169.2
7763.3	85°	7567.1	7370.8	6590.0	5808.8	5188.5	4568.1	3403.1	2238.1	1407.0	576.2
2982.6	87.5°	2966.1	2949.4	2558.8	2168.2	1822.1	1476.0	1084.4	692.9	460.8	228.8
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
8819.1	2.5°	8745.6	8671.5	8597.4	8526.5	8455.6	8386.9	8310.5	8248.7	8187.1	8131.4
9252.5	5°	9100.1	8946.4	8793.0	8649.6	8506.2	8370.8	8237.1	8120.4	8003.4	7905.5
9656.3	7.5°	9423.0	9195.8	8968.6	8768.5	8568.4	8383.7	8210.6	8055.3	7900.3	7771.4
9971.2	10°	9663.1	9387.2	9111.0	8874.5	8637.3	8409.5	8223.5	8059.8	7896.1	7767.2
10188.1	12.5°	9838.7	9513.2	9187.7	8919.9	8652.1	8412.7	8239.6	8105.6	7972.2	7886.4
10323.4	15°	9944.4	9569.6	9194.8	8884.8	8574.8	8309.6	8171.0	8106.9	8043.1	8054.7
10388.2	17.5°	9974.7	9539.7	9104.6	8731.7	8358.9	8046.9	7961.5	7985.1	8008.3	8148.8
10438.8	20°	9984.4	9457.2	8929.9	8467.8	8005.7	7642.5	7619.9	7729.5	7839.1	8083.0
10507.1	22.5°	9997.3	9356.0	8714.7	8158.1	7601.6	7188.1	7232.2	7394.3	7556.4	7834.9
10630.8	25°	10048.2	9256.1	8464.3	7812.3	7160.7	6736.9	6856.2	7043.1	7230.0	7480.4
10824.2	27.5°	10154.5	9189.4	8224.2	7496.2	6768.2	6382.4	6527.5	6707.9	6888.4	7094.3
11074.6	30°	10300.2	9158.1	8015.4	7231.9	6448.5	6124.6	6238.4	6381.5	6525.2	6696.0
11336.0	32.5°	10425.9	9119.4	7812.3	7004.1	6195.5	5934.5	5985.1	6069.8	6154.6	6290.9
11633.7	35°	10518.1	9046.6	7575.8	6780.1	5984.4	5766.9	5746.0	5769.2	5792.7	5896.8
11967.3	37.5°	10572.8	8921.9	7270.9	6516.5	5762.1	5571.9	5495.2	5469.5	5443.7	5518.4
12390.7	40°	10607.3	8750.1	6893.2	6202.0	5510.7	5338.3	5220.7	5162.3	5104.0	5157.8
12944.7	42.5°	10672.7	8572.9	6473.6	5854.9	5236.1	5077.3	4929.0	4851.7	4774.3	4818.2
13673.7	45°	10787.8	8408.2	6028.9	5486.2	4943.5	4782.4	4639.0	4563.6	4488.5	4525.2
14450.3	47.5°	10866.7	8272.2	5677.6	5194.6	4711.5	4503.6	4380.2	4317.0	4253.9	4288.7
15170.9	50°	10815.2	8124.0	5432.7	5000.9	4569.1	4295.8	4152.4	4096.3	4040.5	4094.7
15638.8	52.5°	10497.8	7873.6	5249.7	4873.3	4497.2	4183.0	3982.5	3927.1	3872.0	3953.5
15535.7	55°	9841.9	7458.5	5075.0	4780.8	4486.6	4194.3	3892.3	3804.6	3717.3	3833.0
14810.0	57.5°	8867.1	6873.2	4879.1	4671.2	4463.4	4205.5	3838.2	3710.5	3582.9	3707.3
13459.4	60°	7559.7	6113.3	4667.0	4503.6	4340.3	4170.1	3787.2	3621.9	3456.3	3565.5
11633.1	62.5°	6086.9	5203.9	4320.9	4212.3	4104.0	4083.1	3728.0	3521.1	3314.5	3383.8
9769.8	65°	4797.9	4385.7	3973.5	3922.3	3871.0	3873.6	3602.9	3383.1	3163.0	3189.8
7944.5	67.5°	3716.3	3599.4	3482.1	3510.7	3539.1	3532.0	3379.9	3196.9	3013.8	3005.4
6255.1	70°	2815.0	2848.5	2881.7	3014.5	3146.9	3146.9	3097.0	2966.8	2836.6	2807.6
4782.1	72.5°	2171.4	2272.3	2373.5	2561.7	2749.6	2781.1	2781.8	2692.5	2603.2	2560.7
3470.8	75°	1686.1	1777.6	1869.1	2079.9	2290.7	2436.3	2424.1	2355.4	2286.5	2245.9
2351.9	77.5°	1298.1	1360.3	1422.8	1627.4	1832.1	2072.2	2065.7	2010.6	1955.5	1914.2
1515.3	80°	973.2	999.0	1024.8	1198.2	1371.2	1658.0	1657.1	1611.0	1564.6	1530.1
932.0	82.5°	695.4	700.0	705.1	832.7	960.3	1205.3	1218.8	1196.2	1173.7	1149.2
498.2	85°	420.6	418.3	415.7	509.2	602.6	784.7	802.4	778.3	754.1	726.7
206.6	87.5°	184.3	182.1	179.8	217.9	256.2	331.9	354.5	344.8	335.2	330.0
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°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
8075.9	2.5°	8027.3	7978.6	7929.6	7881.0	7843.3	7805.2	7774.6	7744.0	7720.2	7696.3
7807.8	5°	7721.4	7635.1	7556.8	7478.1	7417.9	7357.3	7315.1	7272.9	7242.9	7212.9
7642.5	7.5°	7533.9	7425.0	7328.9	7233.2	7161.4	7089.8	7039.5	6989.3	6954.8	6920.6
7638.3	10°	7521.3	7404.0	7296.1	7188.1	7102.4	7016.3	6960.3	6903.5	6871.0	6838.4
7801.4	12.5°	7709.2	7617.7	7505.9	7394.3	7284.8	7175.2	7102.7	7030.2	6993.8	6957.7
8066.3	15°	8042.4	8018.6	7921.6	7824.6	7668.6	7512.6	7402.4	7292.2	7241.6	7191.3
8289.3	17.5°	8364.0	8438.5	8360.2	8282.2	8075.6	7869.0	7706.6	7544.2	7469.4	7394.3
8327.3	20°	8483.6	8639.9	8603.8	8567.4	8331.2	8095.3	7896.1	7697.3	7601.6	7505.5
8114.0	22.5°	8317.3	8520.7	8542.6	8564.2	8338.6	8113.0	7908.0	7702.8	7601.9	7500.7
7731.1	25°	7931.2	8131.4	8206.1	8280.6	8095.6	7910.9	7728.5	7546.8	7459.1	7371.8
7299.9	27.5°	7460.4	7620.9	7704.0	7787.5	7655.7	7524.2	7382.7	7241.3	7182.6	7123.6
6866.8	30°	6999.9	7133.3	7201.0	7268.7	7168.4	7067.9	6966.7	6864.9	6834.9	6804.6
6427.6	32.5°	6555.2	6683.1	6758.2	6833.6	6741.4	6649.0	6568.1	6487.2	6467.5	6447.9
6000.6	35°	6126.9	6253.5	6343.8	6434.0	6368.3	6302.8	6228.1	6153.6	6123.7	6094.0
5592.9	37.5°	5718.9	5845.2	5956.7	6068.2	6037.9	6007.6	5939.0	5870.0	5815.6	5761.4
5211.7	40°	5333.5	5455.3	5583.5	5712.1	5719.5	5726.6	5668.3	5610.0	5530.7	5452.1
4862.3	42.5°	4977.7	5093.4	5232.0	5370.5	5407.6	5444.7	5395.3	5346.4	5248.1	5149.8
4562.6	45°	4672.2	4781.8	4925.5	5069.2	5122.4	5175.6	5131.1	5086.9	4974.5	4862.3
4323.2	47.5°	4430.5	4537.5	4679.3	4821.1	4882.3	4943.5	4912.6	4881.7	4781.8	4681.9
4149.1	50°	4250.3	4351.2	4478.2	4605.2	4683.8	4762.4	4760.5	4759.2	4679.3	4599.4
4034.7	52.5°	4127.6	4220.0	4338.3	4456.9	4550.0	4643.2	4659.9	4676.7	4611.6	4546.5
3948.4	55°	4048.3	4148.2	4252.0	4355.4	4454.0	4552.9	4576.1	4599.4	4542.6	4485.9
3831.7	57.5°	3949.0	4066.3	4168.8	4271.6	4371.2	4470.4	4494.0	4517.5	4460.1	4402.8
3674.5	60°	3809.2	3943.9	4048.0	4152.4	4252.3	4352.2	4378.0	4403.7	4347.7	4291.9
3453.1	62.5°	3610.0	3767.3	3878.4	3989.6	4081.2	4172.7	4197.5	4222.3	4171.7	4121.1
3216.2	65°	3384.4	3553.0	3659.3	3765.7	3846.2	3926.8	3952.2	3977.4	3928.7	3880.1
2997.1	67.5°	3152.4	3308.0	3408.9	3509.5	3579.1	3648.7	3673.5	3698.0	3653.2	3608.7
2778.6	70°	2915.2	3051.8	3138.9	3225.9	3288.7	3351.5	3375.4	3399.2	3362.8	3326.4
2518.5	72.5°	2626.1	2733.4	2812.1	2890.7	2952.3	3013.8	3042.2	3070.5	3040.2	3009.9
2204.9	75°	2284.9	2364.8	2436.0	2507.2	2563.3	2619.4	2649.0	2678.7	2663.8	2649.0
1873.0	77.5°	1938.1	2002.9	2064.1	2125.3	2184.3	2243.0	2270.7	2298.4	2277.8	2256.5
1495.3	80°	1549.4	1603.3	1654.8	1706.4	1751.2	1795.7	1832.4	1869.1	1860.1	1851.4
1124.7	82.5°	1120.2	1115.7	1097.6	1079.6	1175.0	1270.4	1332.9	1395.4	1391.5	1387.3
699.3	85°	676.1	652.6	602.6	552.7	641.9	731.5	808.9	886.2	879.8	873.3
324.8	87.5°	323.9	322.9	284.9	246.5	283.9	321.6	352.9	384.1	376.4	368.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
7674.4	2.5°	7652.2	7624.8	7652.2	7674.4	7696.3	7720.2	7744.0	7774.6	7805.2	7843.3
7190.0	5°	7167.2	7144.6	7167.2	7190.0	7212.9	7242.9	7272.9	7315.1	7357.3	7417.9
6900.0	7.5°	6879.7	6864.2	6879.7	6900.0	6920.6	6954.8	6989.3	7039.5	7089.8	7161.4
6821.0	10°	6803.6	6796.5	6803.6	6821.0	6838.4	6871.0	6903.5	6960.3	7016.3	7102.4
6942.9	12.5°	6928.0	6925.5	6928.0	6942.9	6957.7	6993.8	7030.2	7102.7	7175.2	7284.8
7172.0	15°	7152.7	7151.0	7152.7	7172.0	7191.3	7241.6	7292.2	7402.4	7512.6	7668.6
7369.9	17.5°	7345.0	7341.2	7345.0	7369.9	7394.3	7469.4	7544.2	7706.6	7869.0	8075.6
7474.9	20°	7444.3	7434.6	7444.3	7474.9	7505.5	7601.6	7697.3	7896.1	8095.3	8331.2
7466.9	22.5°	7433.0	7418.5	7433.0	7466.9	7500.7	7601.9	7702.8	7908.0	8113.0	8338.6
7339.9	25°	7308.3	7289.6	7308.3	7339.9	7371.8	7459.1	7546.8	7728.5	7910.9	8095.6
7109.1	27.5°	7094.6	7089.8	7094.6	7109.1	7123.6	7182.6	7241.3	7382.7	7524.2	7655.7
6804.6	30°	6804.6	6809.4	6804.6	6804.6	6804.6	6834.9	6864.9	6966.7	7067.9	7168.4
6450.4	32.5°	6453.3	6458.2	6453.3	6450.4	6447.9	6467.5	6487.2	6568.1	6649.0	6741.4
6087.6	35°	6081.1	6077.9	6081.1	6087.6	6094.0	6123.7	6153.6	6228.1	6302.8	6368.3
5732.8	37.5°	5704.1	5688.0	5704.1	5732.8	5761.4	5815.6	5870.0	5939.0	6007.6	6037.9
5398.6	40°	5345.7	5314.1	5345.7	5398.6	5452.1	5530.7	5610.0	5668.3	5726.6	5719.5
5072.1	42.5°	4994.4	4943.5	4994.4	5072.1	5149.8	5248.1	5346.4	5395.3	5444.7	5407.6
4771.1	45°	4679.9	4621.3	4679.9	4771.1	4862.3	4974.5	5086.9	5131.1	5175.6	5122.4
4597.4	47.5°	4513.3	4456.9	4513.3	4597.4	4681.9	4781.8	4881.7	4912.6	4943.5	4882.3
4521.4	50°	4443.4	4389.2	4443.4	4521.4	4599.4	4679.3	4759.2	4760.5	4762.4	4683.8
4476.6	52.5°	4407.0	4357.0	4407.0	4476.6	4546.5	4611.6	4676.7	4659.9	4643.2	4550.0
4424.7	55°	4363.5	4318.3	4363.5	4424.7	4485.9	4542.6	4599.4	4576.1	4552.9	4454.0
4342.2	57.5°	4281.3	4234.5	4281.3	4342.2	4402.8	4460.1	4517.5	4494.0	4470.4	4371.2
4229.4	60°	4166.9	4118.5	4166.9	4229.4	4291.9	4347.7	4403.7	4378.0	4352.2	4252.3
4055.4	62.5°	3989.6	3931.6	3989.6	4055.4	4121.1	4171.7	4222.3	4197.5	4172.7	4081.2
3816.3	65°	3752.8	3702.8	3752.8	3816.3	3880.1	3928.7	3977.4	3952.2	3926.8	3846.2
3549.4	67.5°	3490.1	3445.0	3490.1	3549.4	3608.7	3653.2	3698.0	3673.5	3648.7	3579.1
3269.7	70°	3213.0	3161.4	3213.0	3269.7	3326.4	3362.8	3399.2	3375.4	3351.5	3288.7
2955.8	72.5°	2902.0	2852.0	2902.0	2955.8	3009.9	3040.2	3070.5	3042.2	3013.8	2952.3
2603.6	75°	2558.1	2510.4	2558.1	2603.6	2649.0	2663.8	2678.7	2649.0	2619.4	2563.3
2210.7	77.5°	2165.0	2126.9	2165.0	2210.7	2256.5	2277.8	2298.4	2270.7	2243.0	2184.3
1789.9	80°	1728.0	1656.4	1728.0	1789.9	1851.4	1860.1	1869.1	1832.4	1795.7	1751.2
1335.5	82.5°	1283.3	1237.5	1283.3	1335.5	1387.3	1391.5	1395.4	1332.9	1270.4	1175.0
832.7	85°	792.1	750.9	792.1	832.7	873.3	879.8	886.2	808.9	731.5	641.9
347.4	87.5°	326.1	306.2	326.1	347.4	368.0	376.4	384.1	352.9	321.6	283.9
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°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
7881.0	2.5°	7929.6	7978.6	8027.3	8075.9	8131.4	8187.1	8248.7	8310.5	8386.9	8455.6
7478.1	5°	7556.8	7635.1	7721.4	7807.8	7905.5	8003.4	8120.4	8237.1	8370.8	8506.2
7233.2	7.5°	7328.9	7425.0	7533.9	7642.5	7771.4	7900.3	8055.3	8210.6	8383.7	8568.4
7188.1	10°	7296.1	7404.0	7521.3	7638.3	7767.2	7896.1	8059.8	8223.5	8409.5	8637.3
7394.3	12.5°	7505.9	7617.7	7709.2	7801.4	7886.4	7972.2	8105.6	8239.6	8412.7	8652.1
7824.6	15°	7921.6	8018.6	8042.4	8066.3	8054.7	8043.1	8106.9	8171.0	8309.6	8574.8
8282.2	17.5°	8360.2	8438.5	8364.0	8289.3	8148.8	8008.3	7985.1	7961.5	8046.9	8358.9
8567.4	20°	8603.8	8639.9	8483.6	8327.3	8083.0	7839.1	7729.5	7619.9	7642.5	8005.7
8564.2	22.5°	8542.6	8520.7	8317.3	8114.0	7834.9	7556.4	7394.3	7232.2	7188.1	7601.6
8280.6	25°	8206.1	8131.4	7931.2	7731.1	7480.4	7230.0	7043.1	6856.2	6736.9	7160.7
7787.5	27.5°	7704.0	7620.9	7460.4	7299.9	7094.3	6888.4	6707.9	6527.5	6382.4	6768.2
7268.7	30°	7201.0	7133.3	6999.9	6866.8	6696.0	6525.2	6381.5	6238.4	6124.6	6448.5
6833.6	32.5°	6758.2	6683.1	6555.2	6427.6	6290.9	6154.6	6069.8	5985.1	5934.5	6195.5
6434.0	35°	6343.8	6253.5	6126.9	6000.6	5896.8	5792.7	5769.2	5746.0	5766.9	5984.4
6068.2	37.5°	5956.7	5845.2	5718.9	5592.9	5518.4	5443.7	5469.5	5495.2	5571.9	5762.1
5712.1	40°	5583.5	5455.3	5333.5	5211.7	5157.8	5104.0	5162.3	5220.7	5338.3	5510.7
5370.5	42.5°	5232.0	5093.4	4977.7	4862.3	4818.2	4774.3	4851.7	4929.0	5077.3	5236.1
5069.2	45°	4925.5	4781.8	4672.2	4562.6	4525.2	4488.5	4563.6	4639.0	4782.4	4943.5
4821.1	47.5°	4679.3	4537.5	4430.5	4323.2	4288.7	4253.9	4317.0	4380.2	4503.6	4711.5
4605.2	50°	4478.2	4351.2	4250.3	4149.1	4094.7	4040.5	4096.3	4152.4	4295.8	4569.1
4456.9	52.5°	4338.3	4220.0	4127.6	4034.7	3953.5	3872.0	3927.1	3982.5	4183.0	4497.2
4355.4	55°	4252.0	4148.2	4048.3	3948.4	3833.0	3717.3	3804.6	3892.3	4194.3	4486.6
4271.6	57.5°	4168.8	4066.3	3949.0	3831.7	3707.3	3582.9	3710.5	3838.2	4205.5	4463.4
4152.4	60°	4048.0	3943.9	3809.2	3674.5	3565.5	3456.3	3621.9	3787.2	4170.1	4340.3
3989.6	62.5°	3878.4	3767.3	3610.0	3453.1	3383.8	3314.5	3521.1	3728.0	4083.1	4104.0
3765.7	65°	3659.3	3553.0	3384.4	3216.2	3189.8	3163.0	3383.1	3602.9	3873.6	3871.0
3509.5	67.5°	3408.9	3308.0	3152.4	2997.1	3005.4	3013.8	3196.9	3379.9	3532.0	3539.1
3225.9	70°	3138.9	3051.8	2915.2	2778.6	2807.6	2836.6	2966.8	3097.0	3146.9	3146.9
2890.7	72.5°	2812.1	2733.4	2626.1	2518.5	2560.7	2603.2	2692.5	2781.8	2781.1	2749.6
2507.2	75°	2436.0	2364.8	2284.9	2204.9	2245.9	2286.5	2355.4	2424.1	2436.3	2290.7
2125.3	77.5°	2064.1	2002.9	1938.1	1873.0	1914.2	1955.5	2010.6	2065.7	2072.2	1832.1
1706.4	80°	1654.8	1603.3	1549.4	1495.3	1530.1	1564.6	1611.0	1657.1	1658.0	1371.2
1079.6	82.5°	1097.6	1115.7	1120.2	1124.7	1149.2	1173.7	1196.2	1218.8	1205.3	960.3
552.7	85°	602.6	652.6	676.1	699.3	726.7	754.1	778.3	802.4	784.7	602.6
246.5	87.5°	284.9	322.9	323.9	324.8	330.0	335.2	344.8	354.5	331.9	256.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
8398.2	0°	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2	8398.2
8526.5	2.5°	8597.4	8671.5	8745.6	8819.1	8892.9	8962.2	9031.4
8649.6	5°	8793.0	8946.4	9100.1	9252.5	9405.3	9558.4	9711.4
8768.5	7.5°	8968.6	9195.8	9423.0	9656.3	9889.6	10142.0	10394.6
8874.5	10°	9111.0	9387.2	9663.1	9971.2	10279.6	10598.9	10918.3
8919.9	12.5°	9187.7	9513.2	9838.7	10188.1	10537.4	10888.0	11239.0
8884.8	15°	9194.8	9569.6	9944.4	10323.4	10702.4	11068.2	11433.9
8731.7	17.5°	9104.6	9539.7	9974.7	10388.2	10801.6	11172.6	11543.5
8467.8	20°	8929.9	9457.2	9984.4	10438.8	10893.2	11278.9	11664.3
8158.1	22.5°	8714.7	9356.0	9997.3	10507.1	11016.6	11410.7	11804.5
7812.3	25°	8464.3	9256.1	10048.2	10630.8	11213.2	11598.9	11985.0
7496.2	27.5°	8224.2	9189.4	10154.5	10824.2	11493.5	11861.9	12229.9
7231.9	30°	8015.4	9158.1	10300.2	11074.6	11849.0	12204.5	12560.2
7004.1	32.5°	7812.3	9119.4	10425.9	11336.0	12246.0	12597.9	12950.2
6780.1	35°	7575.8	9046.6	10518.1	11633.7	12749.4	13086.8	13423.9
6516.5	37.5°	7270.9	8921.9	10572.8	11967.3	13361.7	13791.6	14221.5
6202.0	40°	6893.2	8750.1	10607.3	12390.7	14173.8	14800.3	15426.8
5854.9	42.5°	6473.6	8572.9	10672.7	12944.7	15216.7	16120.9	17025.2
5486.2	45°	6028.9	8408.2	10787.8	13673.7	16559.5	17779.3	18999.1
5194.6	47.5°	5677.6	8272.2	10866.7	14450.3	18033.9	19750.9	21467.6
5000.9	50°	5432.7	8124.0	10815.2	15170.9	19526.6	22115.0	24703.2
4873.3	52.5°	5249.7	7873.6	10497.8	15638.8	20779.6	24598.4	28417.2
4780.8	55°	5075.0	7458.5	9841.9	15535.7	21229.1	26800.1	32371.4
4671.2	57.5°	4879.1	6873.2	8867.1	14810.0	20753.2	28360.5	35967.9
4503.6	60°	4667.0	6113.3	7559.7	13459.4	19359.0	28750.5	38141.6
4212.3	62.5°	4320.9	5203.9	6086.9	11633.1	17179.3	27108.5	37037.8
3922.3	65°	3973.5	4385.7	4797.9	9769.8	14742.0	24785.3	34828.7
3510.7	67.5°	3482.1	3599.4	3716.3	7944.5	12172.6	22020.6	31868.7
3014.5	70°	2881.7	2848.5	2815.0	6255.1	9695.3	19003.9	28312.5
2561.7	72.5°	2373.5	2272.3	2171.4	4782.1	7392.7	15733.6	24074.7
2079.9	75°	1869.1	1777.6	1686.1	3470.8	5255.5	11984.7	18713.9
1627.4	77.5°	1422.8	1360.3	1298.1	2351.9	3405.7	8388.2	13370.7
1198.2	80°	1024.8	999.0	973.2	1515.3	2057.7	5404.4	8751.1
832.7	82.5°	705.1	700.0	695.4	932.0	1169.2	3127.9	5086.9
509.2	85°	415.7	418.3	420.6	498.2	576.2	1407.0	2238.1
217.9	87.5°	179.8	182.1	184.3	206.6	228.8	460.8	692.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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