

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: P955970

Luminaire Tested: **GALN-SB8D-735-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955970
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-SB8D-735-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 81990 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

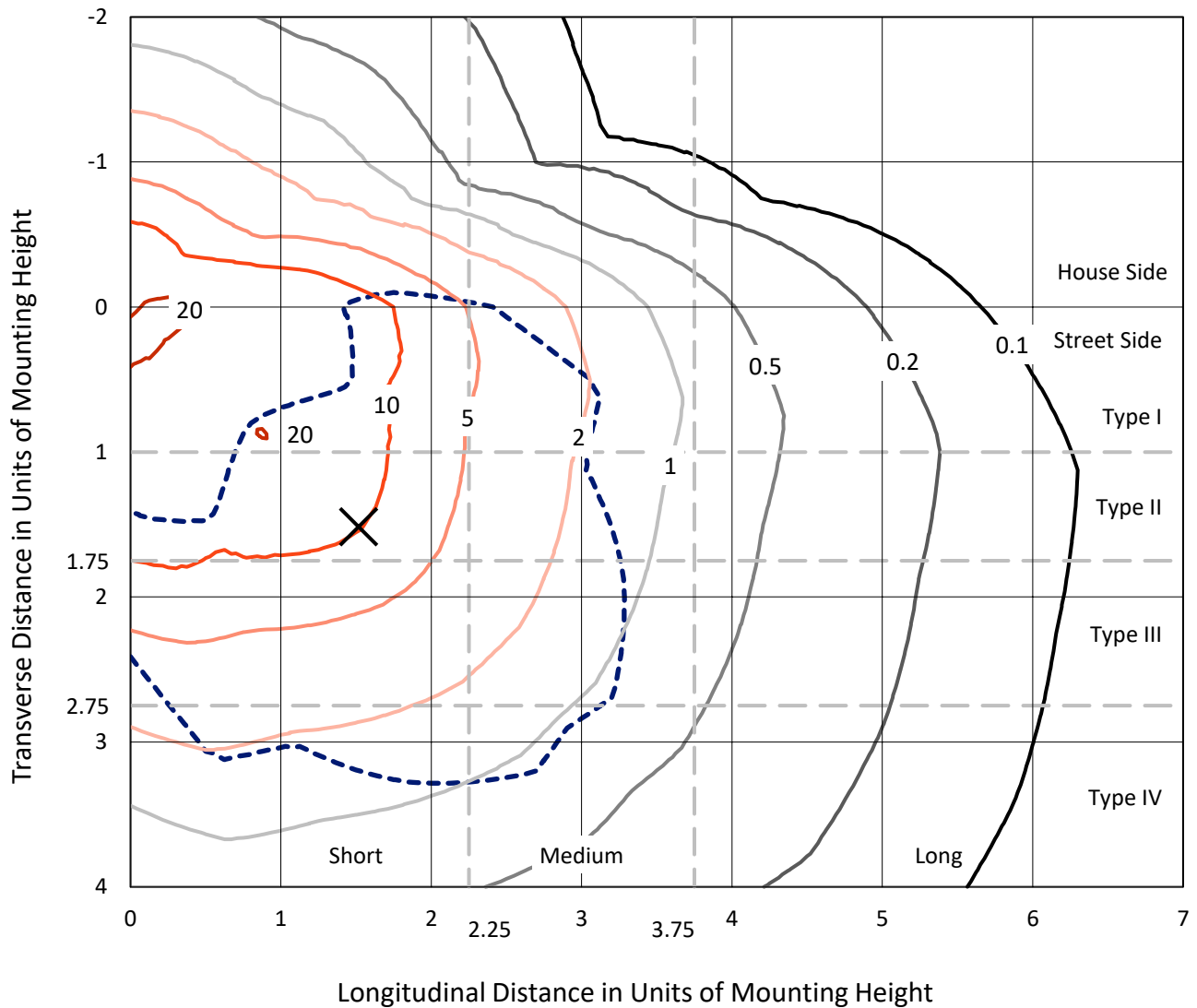
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

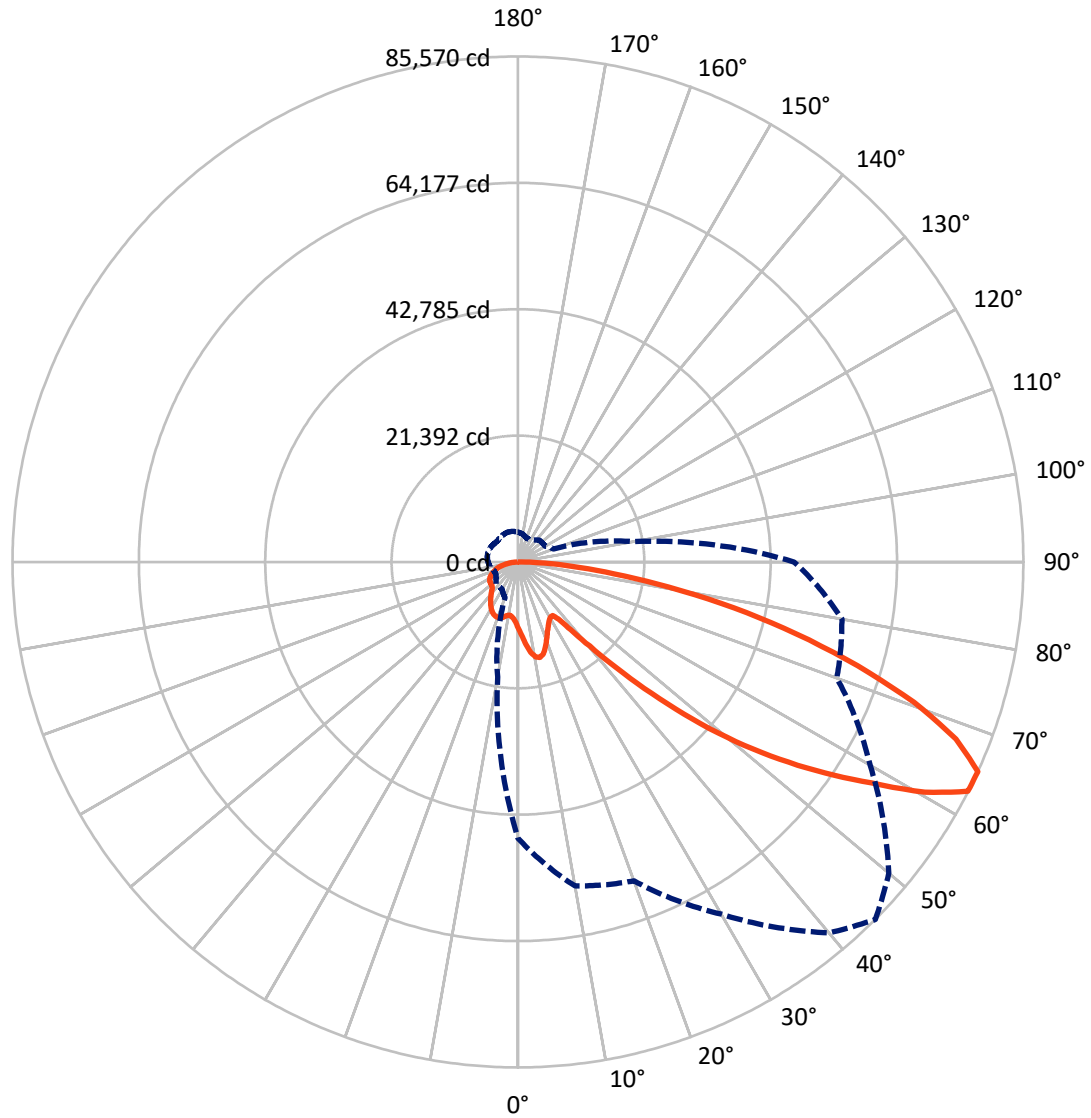
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25 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	20837.7	0.0	20837.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	61152.3	0.0	61152.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	81990.0	0.0	81990.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1118.4	1.4
10°-20°	3510.9	4.3
20°-30°	5423.1	6.6
30°-40°	6872.5	8.4
40°-50°	10365.4	12.6
50°-60°	16746.9	20.4
60°-70°	20877.6	25.5
70°-80°	13690.5	16.7
80°-90°	3384.6	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°	81990.0	100.0
0°-180°	81990.0	100.0



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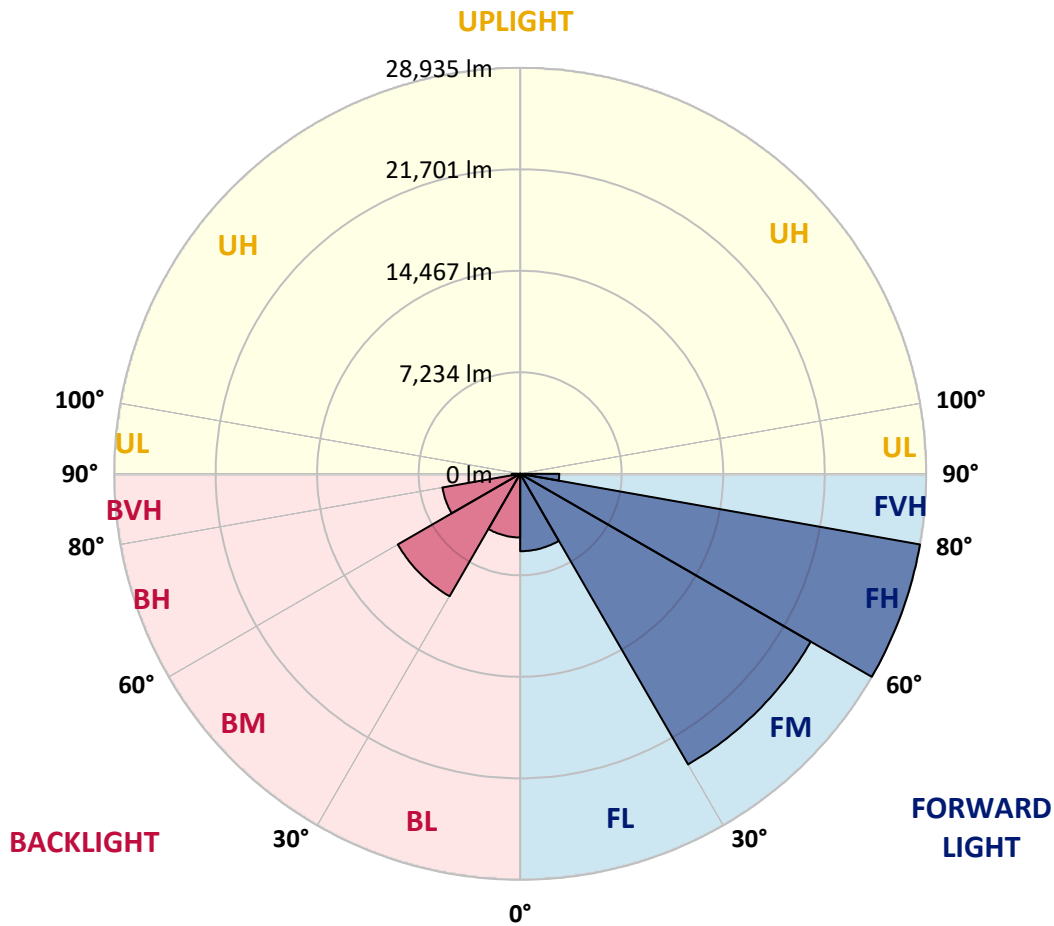
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5514.8	6.7			
FM (30°-60°)	23914.7	29.2			
FH (60°-80°)	28934.6	35.3			G5
FVH (80°-90°)	2788.2	3.4			G5
BL (0°-30°)	4537.7	5.5	B4/5000		
BM (30°-60°)	10070.1	12.3	B5		
BH (60°-80°)	5633.6	6.9	B5		G5
BVH (80°-90°)	596.4	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
2.5°	12124.4	12170.3	12216.6	12281.9	12347.3	12386.2	12425.1	12444.6	12464.1	12455.4
5°	13037.3	13197.8	13358.7	13517.9	13677.6	13764.1	13850.6	13903.0	13955.8	13995.6
7.5°	13954.5	14215.8	14476.7	14711.6	14946.5	15088.0	15229.4	15306.0	15382.2	15418.9
10°	14657.5	14966.4	15275.3	15550.9	15826.5	15993.5	16159.6	16234.0	16308.0	16336.1
12.5°	15088.0	15422.8	15757.2	16006.4	16254.8	16375.9	16497.0	16537.7	16578.4	16582.7
15°	15349.7	15638.7	15927.3	16083.4	16240.1	16244.4	16248.7	16205.4	16162.2	16111.1
17.5°	15496.8	15691.9	15887.0	15890.1	15892.7	15717.4	15542.2	15381.7	15220.8	15107.4
20°	15659.0	15727.0	15795.3	15589.8	15384.3	14997.5	14610.8	14329.1	14047.5	13874.4
22.5°	15847.2	15758.1	15669.0	15243.3	14817.6	14248.7	13679.8	13327.6	12975.4	12784.2
25°	16089.5	15808.3	15527.1	14880.7	14234.4	13543.5	12852.6	12482.2	12112.8	11931.9
27.5°	16418.3	15915.6	15412.4	14556.3	13700.5	12934.8	12169.0	11804.7	11440.9	11270.0
30°	16861.7	16112.0	15362.7	14308.8	13254.9	12457.1	11659.4	11321.5	10983.6	10824.4
32.5°	17385.2	16358.6	15332.4	14140.1	12947.7	12198.0	11448.2	11183.0	10917.4	10802.8
35°	18021.2	16764.8	15508.9	14266.4	13024.3	12503.4	11983.0	11921.1	11859.2	11849.7
37.5°	19092.0	17614.1	16136.2	15007.1	13877.9	13844.2	13810.4	14093.3	14376.3	14523.4
40°	20710.0	19102.8	17495.5	16655.8	15816.1	16408.8	17001.5	17689.4	18377.2	18719.9
42.5°	22855.8	21261.2	19666.5	19182.8	18699.1	19991.8	21284.5	22535.7	23786.8	24521.5
45°	25505.7	24073.2	22640.4	22427.1	22213.4	24284.4	26355.8	28411.7	30467.9	31716.1
47.5°	28819.6	27426.1	26032.2	25988.9	25945.7	28933.4	31920.3	34930.1	37939.5	39706.8
50°	33163.2	31441.8	29720.8	29728.2	29735.5	33585.9	37436.3	41409.2	45382.0	47784.0
52.5°	38149.3	36064.9	33980.9	33770.2	33559.1	38158.4	42757.7	47673.2	52588.3	55467.5
55°	43457.7	41398.3	39339.0	38517.5	37695.9	42814.8	47933.2	53793.2	59653.2	63077.4
57.5°	48285.8	47164.4	46042.6	44394.7	42747.3	47915.9	53084.5	59721.9	66358.9	70605.2
60°	51203.9	52945.7	54687.9	52641.5	50595.2	55486.5	60377.8	67484.2	74590.6	79179.9
62.5°	49722.1	54481.5	59240.9	59010.3	58779.2	63260.0	67741.2	74502.3	81263.0	85504.9
65°	46756.5	51223.4	55690.3	56574.1	57457.6	63151.8	68846.5	75402.6	81958.2	85569.8
67.5°	42782.8	47031.2	51279.6	51694.1	52108.1	58041.2	63973.8	70558.0	77142.2	79971.6
70°	38008.7	42629.6	47251.0	47436.1	47621.7	52927.5	58232.8	63899.0	69564.7	71137.3
72.5°	32319.6	37622.3	42925.5	43058.8	43191.6	47342.7	51493.8	55737.4	59980.7	60139.9
75°	25122.8	30611.2	36099.5	36592.3	37085.0	40314.6	43544.2	46531.5	49518.8	48718.4
77.5°	17949.8	23073.0	28196.6	28901.8	29607.0	32062.2	34517.4	36636.0	38755.0	37379.2
80°	11748.1	16058.4	20368.2	21244.7	22121.2	23975.5	25828.9	26941.6	28053.9	25841.0
82.5°	6829.1	9775.7	12722.8	13701.8	14681.3	15957.5	17233.8	17698.0	18161.8	16422.6
85°	3004.6	4568.6	6132.5	6965.3	7798.2	8846.8	9895.1	10158.6	10422.1	9029.0
87.5°	930.2	1455.8	1981.4	2446.1	2910.7	3435.1	3959.4	3981.9	4004.0	3361.5
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°
11274.3	0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
12464.1	2.5°	12444.6	12425.1	12386.2	12347.3	12281.9	12216.6	12170.3	12124.4	12031.4	11938.4
13955.8	5°	13903.0	13850.6	13764.1	13677.6	13517.9	13358.7	13197.8	13037.3	12831.8	12626.3
15382.2	7.5°	15306.0	15229.4	15088.0	14946.5	14711.6	14476.7	14215.8	13954.5	13615.3	13276.5
16308.0	10°	16234.0	16159.6	15993.5	15826.5	15550.9	15275.3	14966.4	14657.5	14228.8	13800.0
16578.4	12.5°	16537.7	16497.0	16375.9	16254.8	16006.4	15757.2	15422.8	15088.0	14616.8	14146.1
16162.2	15°	16205.4	16248.7	16244.4	16240.1	16083.4	15927.3	15638.7	15349.7	14858.7	14367.6
15220.8	17.5°	15381.7	15542.2	15717.4	15892.7	15890.1	15887.0	15691.9	15496.8	14998.8	14500.9
14047.5	20°	14329.1	14610.8	14997.5	15384.3	15589.8	15795.3	15727.0	15659.0	15141.6	14623.8
12975.4	22.5°	13327.6	13679.8	14248.7	14817.6	15243.3	15669.0	15758.1	15847.2	15318.6	14789.4
12112.8	25°	12482.2	12852.6	13543.5	14234.4	14880.7	15527.1	15808.3	16089.5	15571.2	15053.4
11440.9	27.5°	11804.7	12169.0	12934.8	13700.5	14556.3	15412.4	15915.6	16418.3	15924.2	15429.7
10983.6	30°	11321.5	11659.4	12457.1	13254.9	14308.8	15362.7	16112.0	16861.7	16384.1	15906.9
10917.4	32.5°	11183.0	11448.2	12198.0	12947.7	14140.1	15332.4	16358.6	17385.2	16912.4	16439.9
11859.2	35°	11921.1	11983.0	12503.4	13024.3	14266.4	15508.9	16764.8	18021.2	17568.7	17115.7
14376.3	37.5°	14093.3	13810.4	13844.2	13877.9	15007.1	16136.2	17614.1	19092.0	18514.8	17937.7
18377.2	40°	17689.4	17001.5	16408.8	15816.1	16655.8	17495.5	19102.8	20710.0	19869.0	19027.9
23786.8	42.5°	22535.7	21284.5	19991.8	18699.1	19182.8	19666.5	21261.2	22855.8	21641.9	20427.9
30467.9	45°	28411.7	26355.8	24284.4	22213.4	22427.1	22640.4	24073.2	25505.7	23868.2	22230.7
37939.5	47.5°	34930.1	31920.3	28933.4	25945.7	25988.9	26032.2	27426.1	28819.6	26515.0	24210.0
45382.0	50°	41409.2	37436.3	33585.9	29735.5	29728.2	29720.8	31441.8	33163.2	29688.8	26213.9
52588.3	52.5°	47673.2	42757.7	38158.4	33559.1	33770.2	33980.9	36064.9	38149.3	33022.6	27896.0
59653.2	55°	53793.2	47933.2	42814.8	37695.9	38517.5	39339.0	41398.3	43457.7	35978.4	28499.5
66358.9	57.5°	59721.9	53084.5	47915.9	42747.3	44394.7	46042.6	47164.4	48285.8	38073.1	27860.5
74590.6	60°	67484.2	60377.8	55486.5	50595.2	52641.5	54687.9	52945.7	51203.9	38596.6	25988.9
81263.0	62.5°	74502.3	67741.2	63260.0	58779.2	59010.3	59240.9	54481.5	49722.1	36392.4	23062.6
81958.2	65°	75402.6	68846.5	63151.8	57457.6	56574.1	55690.3	51223.4	46756.5	33273.6	19790.6
77142.2	67.5°	70558.0	63973.8	58041.2	52108.1	51694.1	51279.6	47031.2	42782.8	29562.0	16341.3
69564.7	70°	63899.0	58232.8	52927.5	47621.7	47436.1	47251.0	42629.6	38008.7	25512.2	13015.7
59980.7	72.5°	55737.4	51493.8	47342.7	43191.6	43058.8	42925.5	37622.3	32319.6	21121.8	9924.5
49518.8	75°	46531.5	43544.2	40314.6	37085.0	36592.3	36099.5	30611.2	25122.8	16089.1	7055.3
38755.0	77.5°	36636.0	34517.4	32062.2	29607.0	28901.8	28196.6	23073.0	17949.8	11260.9	4572.0
28053.9	80°	26941.6	25828.9	23975.5	22121.2	21244.7	20368.2	16058.4	11748.1	7255.2	2762.3
18161.8	82.5°	17698.0	17233.8	15957.5	14681.3	13701.8	12722.8	9775.7	6829.1	4199.1	1569.6
10422.1	85°	10158.6	9895.1	8846.8	7798.2	6965.3	6132.5	4568.6	3004.6	1888.9	773.5
4004.0	87.5°	3981.9	3959.4	3435.1	2910.7	2446.1	1981.4	1455.8	930.2	618.7	307.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
11274.3	0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
11839.3	2.5°	11740.7	11641.2	11541.7	11446.5	11351.3	11259.2	11156.7	11073.6	10991.0	10916.1
12421.2	5°	12216.6	12010.2	11804.3	11611.8	11419.3	11237.6	11058.0	10901.4	10744.4	10612.8
12963.3	7.5°	12650.1	12345.1	12040.1	11771.4	11502.8	11254.9	11022.5	10814.0	10605.9	10432.9
13386.0	10°	12972.4	12602.1	12231.3	11913.8	11595.3	11289.5	11039.8	10820.1	10600.3	10427.2
13677.2	12.5°	13208.2	12771.2	12334.3	11974.8	11615.2	11293.8	11061.5	10881.5	10702.4	10587.3
13858.9	15°	13350.1	12846.9	12343.8	11927.6	11511.4	11155.4	10969.3	10883.2	10797.6	10813.1
13945.8	17.5°	13390.8	12806.7	12222.7	11722.1	11221.6	10802.8	10688.1	10719.7	10750.8	10939.5
14013.7	20°	13403.7	12696.0	11988.2	11367.8	10747.4	10259.8	10229.5	10376.6	10523.7	10851.2
14105.5	22.5°	13421.0	12560.1	11699.2	10952.0	10204.9	9649.8	9709.1	9926.7	10144.3	10518.1
14271.6	25°	13489.4	12426.0	11363.0	10487.8	9613.0	9044.1	9204.2	9455.1	9706.0	10042.2
14531.2	27.5°	13632.2	12336.4	11040.7	10063.4	9086.1	8568.2	8762.9	9005.2	9247.5	9523.9
14867.3	30°	13827.7	12294.5	10760.4	9708.6	8656.9	8222.1	8374.8	8566.9	8759.9	8989.2
15218.2	32.5°	13996.4	12242.6	10487.8	9402.8	8317.3	7966.9	8034.8	8148.6	8262.4	8445.4
15617.9	35°	14120.2	12144.8	10170.3	9102.1	8033.9	7741.9	7713.8	7744.9	7776.5	7916.3
16065.7	37.5°	14193.7	11977.4	9761.0	8748.2	7735.4	7480.2	7377.2	7342.6	7308.0	7408.4
16634.2	40°	14240.0	11746.8	9254.0	8326.0	7398.0	7166.5	7008.6	6930.3	6852.0	6924.2
17377.9	42.5°	14327.8	11508.8	8690.7	7860.0	7029.4	6816.1	6617.1	6513.2	6409.4	6468.2
18356.5	45°	14482.3	11287.7	8093.6	7365.1	6636.5	6420.2	6227.7	6126.5	6025.7	6075.0
19399.1	47.5°	14588.3	11105.2	7622.1	6973.6	6325.0	6046.0	5880.3	5795.5	5710.7	5757.4
20366.5	50°	14519.1	10906.2	7293.3	6713.5	6133.8	5767.0	5574.4	5499.2	5424.3	5497.0
20994.7	52.5°	14092.9	10570.0	7047.5	6542.2	6037.3	5615.5	5346.4	5272.0	5198.0	5307.5
20856.2	55°	13212.5	10012.8	6813.1	6418.1	6023.1	5630.7	5225.3	5107.6	4990.4	5145.7
19881.9	57.5°	11903.8	9227.1	6550.0	6271.0	5991.9	5645.8	5152.6	4981.3	4810.0	4977.0
18068.8	60°	10148.6	8207.0	6265.3	6046.0	5826.7	5598.2	5084.3	4862.3	4640.0	4786.6
15617.1	62.5°	8171.5	6986.1	5800.7	5654.9	5509.5	5481.4	5004.7	4726.9	4449.6	4542.6
13115.6	65°	6441.0	5887.7	5334.3	5265.5	5196.7	5200.2	4836.8	4541.7	4246.3	4282.2
10665.2	67.5°	4989.1	4832.0	4674.6	4713.1	4751.1	4741.6	4537.4	4291.7	4046.0	4034.7
8397.3	70°	3779.0	3824.0	3868.6	4046.8	4224.6	4224.6	4157.6	3982.8	3808.0	3769.1
6419.8	72.5°	2915.1	3050.5	3186.3	3439.0	3691.2	3733.6	3734.5	3614.6	3494.8	3437.7
4659.4	75°	2263.5	2386.4	2509.3	2792.2	3075.1	3270.7	3254.2	3162.1	3069.5	3015.0
3157.3	77.5°	1742.6	1826.1	1910.1	2184.8	2459.5	2781.8	2773.2	2699.2	2625.2	2569.8
2034.2	80°	1306.5	1341.2	1375.8	1608.5	1840.8	2225.9	2224.6	2162.7	2100.4	2054.1
1251.2	82.5°	933.6	939.7	946.6	1117.9	1289.2	1618.0	1636.2	1605.9	1575.6	1542.8
668.8	85°	564.6	561.6	558.1	683.6	809.0	1053.5	1077.2	1044.8	1012.4	975.6
277.3	87.5°	247.5	244.4	241.4	292.5	343.9	445.6	475.9	462.9	449.9	443.0
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°
11274.3	0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
10841.7	2.5°	10776.4	10711.0	10645.3	10580.0	10529.3	10478.3	10437.2	10396.1	10364.1	10332.1
10481.8	5°	10365.8	10249.9	10144.7	10039.2	9958.3	9876.9	9820.3	9763.6	9723.4	9683.1
10259.8	7.5°	10114.0	9967.8	9838.9	9710.4	9613.9	9517.9	9450.4	9382.9	9336.6	9290.7
10254.2	10°	10097.1	9939.7	9794.7	9649.8	9534.7	9419.2	9343.9	9267.8	9224.1	9180.4
10473.1	12.5°	10349.4	10226.5	10076.4	9926.7	9779.6	9632.5	9535.2	9437.8	9388.9	9340.5
10828.7	15°	10796.7	10764.7	10634.5	10504.3	10294.9	10085.5	9937.5	9789.5	9721.6	9654.1
11128.1	17.5°	11228.5	11328.4	11223.3	11118.6	10841.3	10564.0	10345.9	10127.9	10027.5	9926.7
11179.2	20°	11389.0	11598.8	11550.3	11501.5	11184.3	10867.7	10600.3	10333.4	10204.9	10075.9
10892.8	22.5°	11165.7	11438.7	11468.1	11497.1	11194.3	10891.5	10616.3	10340.7	10205.3	10069.5
10378.8	25°	10647.5	10916.1	11016.5	11116.4	10868.1	10620.2	10375.3	10131.3	10013.6	9896.4
9799.9	27.5°	10015.4	10230.8	10342.4	10454.5	10277.6	10101.0	9911.1	9721.2	9642.5	9563.3
9218.5	30°	9397.2	9576.3	9667.1	9758.0	9623.4	9488.4	9352.6	9215.9	9175.6	9135.0
8628.8	32.5°	8800.1	8971.9	9072.7	9173.9	9050.2	8926.0	8817.4	8708.8	8682.4	8656.1
8055.6	35°	8225.2	8395.2	8516.3	8637.5	8549.2	8461.4	8361.0	8261.1	8220.8	8181.0
7508.3	37.5°	7677.4	7847.0	7996.7	8146.4	8105.8	8065.1	7972.9	7880.4	7807.2	7734.6
6996.5	40°	7160.0	7323.6	7495.7	7668.4	7678.3	7687.8	7609.5	7531.2	7424.8	7319.2
6527.5	42.5°	6682.4	6837.7	7023.7	7209.8	7259.5	7309.3	7243.1	7177.3	7045.4	6913.4
6125.2	45°	6272.3	6419.4	6612.3	6805.3	6876.6	6948.0	6888.3	6829.1	6678.1	6527.5
5803.7	47.5°	5947.8	6091.4	6281.8	6472.1	6554.3	6636.5	6595.0	6553.5	6419.4	6285.2
5570.1	50°	5706.0	5841.4	6011.8	6182.3	6287.8	6393.4	6390.8	6389.1	6281.8	6174.5
5416.5	52.5°	5541.1	5665.3	5824.1	5983.3	6108.3	6233.3	6255.8	6278.3	6190.9	6103.5
5300.6	55°	5434.7	5568.8	5708.1	5847.0	5979.4	6112.2	6143.3	6174.5	6098.3	6022.2
5144.0	57.5°	5301.4	5458.9	5596.5	5734.5	5868.2	6001.4	6033.0	6064.6	5987.6	5910.6
4932.8	60°	5113.7	5294.5	5434.3	5574.4	5708.5	5842.7	5877.3	5911.9	5836.6	5761.8
4635.6	62.5°	4846.3	5057.4	5206.7	5356.0	5478.8	5601.7	5635.0	5668.3	5600.4	5532.5
4317.6	65°	4543.5	4769.7	4912.5	5055.3	5163.4	5271.6	5305.8	5339.5	5274.2	5208.9
4023.5	67.5°	4232.0	4440.9	4576.4	4711.3	4804.8	4898.2	4931.5	4964.4	4904.3	4844.6
3730.1	70°	3913.6	4097.0	4213.8	4330.6	4415.0	4499.3	4531.4	4563.4	4514.5	4465.6
3381.0	72.5°	3525.5	3669.6	3775.1	3880.7	3963.3	4046.0	4084.0	4122.1	4081.4	4040.8
2960.1	75°	3067.3	3174.6	3270.2	3365.9	3441.1	3516.4	3556.2	3596.0	3576.1	3556.2
2514.4	77.5°	2601.8	2688.8	2771.0	2853.2	2932.4	3011.1	3048.3	3085.5	3057.8	3029.3
2007.4	80°	2080.1	2152.3	2221.6	2290.8	2350.9	2410.6	2459.9	2509.3	2497.1	2485.5
1509.9	82.5°	1503.8	1497.8	1473.5	1449.3	1577.4	1705.4	1789.4	1873.3	1868.1	1862.5
938.8	85°	907.7	876.1	809.0	742.0	861.8	982.1	1085.9	1189.7	1181.1	1172.4
436.1	87.5°	434.8	433.5	382.4	331.0	381.1	431.8	473.7	515.7	505.3	494.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
11274.3	0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
10302.6	2.5°	10272.8	10236.0	10272.8	10302.6	10332.1	10364.1	10396.1	10437.2	10478.3	10529.3
9652.4	5°	9621.7	9591.4	9621.7	9652.4	9683.1	9723.4	9763.6	9820.3	9876.9	9958.3
9263.0	7.5°	9235.8	9215.0	9235.8	9263.0	9290.7	9336.6	9382.9	9450.4	9517.9	9613.9
9157.0	10°	9133.7	9124.2	9133.7	9157.0	9180.4	9224.1	9267.8	9343.9	9419.2	9534.7
9320.6	12.5°	9300.7	9297.2	9300.7	9320.6	9340.5	9388.9	9437.8	9535.2	9632.5	9779.6
9628.2	15°	9602.2	9600.1	9602.2	9628.2	9654.1	9721.6	9789.5	9937.5	10085.5	10294.9
9893.8	17.5°	9860.5	9855.3	9860.5	9893.8	9926.7	10027.5	10127.9	10345.9	10564.0	10841.3
10034.8	20°	9993.7	9980.8	9993.7	10034.8	10075.9	10204.9	10333.4	10600.3	10867.7	11184.3
10024.0	22.5°	9978.6	9959.1	9978.6	10024.0	10069.5	10205.3	10340.7	10616.3	10891.5	11194.3
9853.6	25°	9811.2	9786.1	9811.2	9853.6	9896.4	10013.6	10131.3	10375.3	10620.2	10868.1
9543.8	27.5°	9524.3	9517.9	9524.3	9543.8	9563.3	9642.5	9721.2	9911.1	10101.0	10277.6
9135.0	30°	9135.0	9141.5	9135.0	9135.0	9135.0	9175.6	9215.9	9352.6	9488.4	9623.4
8659.5	32.5°	8663.4	8669.9	8663.4	8659.5	8656.1	8682.4	8708.8	8817.4	8926.0	9050.2
8172.4	35°	8163.7	8159.4	8163.7	8172.4	8181.0	8220.8	8261.1	8361.0	8461.4	8549.2
7696.1	37.5°	7657.5	7635.9	7657.5	7696.1	7734.6	7807.2	7880.4	7972.9	8065.1	8105.8
7247.4	40°	7176.5	7134.1	7176.5	7247.4	7319.2	7424.8	7531.2	7609.5	7687.8	7678.3
6809.2	42.5°	6704.9	6636.5	6704.9	6809.2	6913.4	7045.4	7177.3	7243.1	7309.3	7259.5
6405.1	45°	6282.6	6203.9	6282.6	6405.1	6527.5	6678.1	6829.1	6888.3	6948.0	6876.6
6171.9	47.5°	6059.0	5983.3	6059.0	6171.9	6285.2	6419.4	6553.5	6595.0	6636.5	6554.3
6069.8	50°	5965.1	5892.4	5965.1	6069.8	6174.5	6281.8	6389.1	6390.8	6393.4	6287.8
6009.7	52.5°	5916.2	5849.2	5916.2	6009.7	6103.5	6190.9	6278.3	6255.8	6233.3	6108.3
5940.0	55°	5857.8	5797.2	5857.8	5940.0	6022.2	6098.3	6174.5	6143.3	6112.2	5979.4
5829.3	57.5°	5747.5	5684.8	5747.5	5829.3	5910.6	5987.6	6064.6	6033.0	6001.4	5868.2
5677.8	60°	5593.9	5529.0	5593.9	5677.8	5761.8	5836.6	5911.9	5877.3	5842.7	5708.5
5444.2	62.5°	5356.0	5278.1	5356.0	5444.2	5532.5	5600.4	5668.3	5635.0	5601.7	5478.8
5123.2	65°	5038.0	4970.9	5038.0	5123.2	5208.9	5274.2	5339.5	5305.8	5271.6	5163.4
4765.0	67.5°	4685.4	4624.8	4685.4	4765.0	4844.6	4904.3	4964.4	4931.5	4898.2	4804.8
4389.5	70°	4313.3	4244.1	4313.3	4389.5	4465.6	4514.5	4563.4	4531.4	4499.3	4415.0
3968.1	72.5°	3895.8	3828.8	3895.8	3968.1	4040.8	4081.4	4122.1	4084.0	4046.0	3963.3
3495.2	75°	3434.2	3370.2	3434.2	3495.2	3556.2	3576.1	3596.0	3556.2	3516.4	3441.1
2967.8	77.5°	2906.4	2855.4	2906.4	2967.8	3029.3	3057.8	3085.5	3048.3	3011.1	2932.4
2402.8	80°	2319.8	2223.7	2319.8	2402.8	2485.5	2497.1	2509.3	2459.9	2410.6	2350.9
1792.8	82.5°	1722.7	1661.3	1722.7	1792.8	1862.5	1868.1	1873.3	1789.4	1705.4	1577.4
1117.9	85°	1063.4	1008.0	1063.4	1117.9	1172.4	1181.1	1189.7	1085.9	982.1	861.8
466.4	87.5°	437.8	411.0	437.8	466.4	494.1	505.3	515.7	473.7	431.8	381.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
11274.3	0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
10580.0	2.5°	10645.3	10711.0	10776.4	10841.7	10916.1	10991.0	11073.6	11156.7	11259.2	11351.3
10039.2	5°	10144.7	10249.9	10365.8	10481.8	10612.8	10744.4	10901.4	11058.0	11237.6	11419.3
9710.4	7.5°	9838.9	9967.8	10114.0	10259.8	10432.9	10605.9	10814.0	11022.5	11254.9	11502.8
9649.8	10°	9794.7	9939.7	10097.1	10254.2	10427.2	10600.3	10820.1	11039.8	11289.5	11595.3
9926.7	12.5°	10076.4	10226.5	10349.4	10473.1	10587.3	10702.4	10881.5	11061.5	11293.8	11615.2
10504.3	15°	10634.5	10764.7	10796.7	10828.7	10813.1	10797.6	10883.2	10969.3	11155.4	11511.4
11118.6	17.5°	11223.3	11328.4	11228.5	11128.1	10939.5	10750.8	10719.7	10688.1	10802.8	11221.6
11501.5	20°	11550.3	11598.8	11389.0	11179.2	10851.2	10523.7	10376.6	10229.5	10259.8	10747.4
11497.1	22.5°	11468.1	11438.7	11165.7	10892.8	10518.1	10144.3	9926.7	9709.1	9649.8	10204.9
11116.4	25°	11016.5	10916.1	10647.5	10378.8	10042.2	9706.0	9455.1	9204.2	9044.1	9613.0
10454.5	27.5°	10342.4	10230.8	10015.4	9799.9	9523.9	9247.5	9005.2	8762.9	8568.2	9086.1
9758.0	30°	9667.1	9576.3	9397.2	9218.5	8989.2	8759.9	8566.9	8374.8	8222.1	8656.9
9173.9	32.5°	9072.7	8971.9	8800.1	8628.8	8445.4	8262.4	8148.6	8034.8	7966.9	8317.3
8637.5	35°	8516.3	8395.2	8225.2	8055.6	7916.3	7776.5	7744.9	7713.8	7741.9	8033.9
8146.4	37.5°	7996.7	7847.0	7677.4	7508.3	7408.4	7308.0	7342.6	7377.2	7480.2	7735.4
7668.4	40°	7495.7	7323.6	7160.0	6996.5	6924.2	6852.0	6930.3	7008.6	7166.5	7398.0
7209.8	42.5°	7023.7	6837.7	6682.4	6527.5	6468.2	6409.4	6513.2	6617.1	6816.1	7029.4
6805.3	45°	6612.3	6419.4	6272.3	6125.2	6075.0	6025.7	6126.5	6227.7	6420.2	6636.5
6472.1	47.5°	6281.8	6091.4	5947.8	5803.7	5757.4	5710.7	5795.5	5880.3	6046.0	6325.0
6182.3	50°	6011.8	5841.4	5706.0	5570.1	5497.0	5424.3	5499.2	5574.4	5767.0	6133.8
5983.3	52.5°	5824.1	5665.3	5541.1	5416.5	5307.5	5198.0	5272.0	5346.4	5615.5	6037.3
5847.0	55°	5708.1	5568.8	5434.7	5300.6	5145.7	4990.4	5107.6	5225.3	5630.7	6023.1
5734.5	57.5°	5596.5	5458.9	5301.4	5144.0	4977.0	4810.0	4981.3	5152.6	5645.8	5991.9
5574.4	60°	5434.3	5294.5	5113.7	4932.8	4786.6	4640.0	4862.3	5084.3	5598.2	5826.7
5356.0	62.5°	5206.7	5057.4	4846.3	4635.6	4542.6	4449.6	4726.9	5004.7	5481.4	5509.5
5055.3	65°	4912.5	4769.7	4543.5	4317.6	4282.2	4246.3	4541.7	4836.8	5200.2	5196.7
4711.3	67.5°	4576.4	4440.9	4232.0	4023.5	4034.7	4046.0	4291.7	4537.4	4741.6	4751.1
4330.6	70°	4213.8	4097.0	3913.6	3730.1	3769.1	3808.0	3982.8	4157.6	4224.6	4224.6
3880.7	72.5°	3775.1	3669.6	3525.5	3381.0	3437.7	3494.8	3614.6	3734.5	3733.6	3691.2
3365.9	75°	3270.2	3174.6	3067.3	2960.1	3015.0	3069.5	3162.1	3254.2	3270.7	3075.1
2853.2	77.5°	2771.0	2688.8	2601.8	2514.4	2569.8	2625.2	2699.2	2773.2	2781.8	2459.5
2290.8	80°	2221.6	2152.3	2080.1	2007.4	2054.1	2100.4	2162.7	2224.6	2225.9	1840.8
1449.3	82.5°	1473.5	1497.8	1503.8	1509.9	1542.8	1575.6	1605.9	1636.2	1618.0	1289.2
742.0	85°	809.0	876.1	907.7	938.8	975.6	1012.4	1044.8	1077.2	1053.5	809.0
331.0	87.5°	382.4	433.5	434.8	436.1	443.0	449.9	462.9	475.9	445.6	343.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
11274.3	0°	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3	11274.3
11446.5	2.5°	11541.7	11641.2	11740.7	11839.3	11938.4	12031.4	12124.4
11611.8	5°	11804.3	12010.2	12216.6	12421.2	12626.3	12831.8	13037.3
11771.4	7.5°	12040.1	12345.1	12650.1	12963.3	13276.5	13615.3	13954.5
11913.8	10°	12231.3	12602.1	12972.4	13386.0	13800.0	14228.8	14657.5
11974.8	12.5°	12334.3	12771.2	13208.2	13677.2	14146.1	14616.8	15088.0
11927.6	15°	12343.8	12846.9	13350.1	13858.9	14367.6	14858.7	15349.7
11722.1	17.5°	12222.7	12806.7	13390.8	13945.8	14500.9	14998.8	15496.8
11367.8	20°	11988.2	12696.0	13403.7	14013.7	14623.8	15141.6	15659.0
10952.0	22.5°	11699.2	12560.1	13421.0	14105.5	14789.4	15318.6	15847.2
10487.8	25°	11363.0	12426.0	13489.4	14271.6	15053.4	15571.2	16089.5
10063.4	27.5°	11040.7	12336.4	13632.2	14531.2	15429.7	15924.2	16418.3
9708.6	30°	10760.4	12294.5	13827.7	14867.3	15906.9	16384.1	16861.7
9402.8	32.5°	10487.8	12242.6	13996.4	15218.2	16439.9	16912.4	17385.2
9102.1	35°	10170.3	12144.8	14120.2	15617.9	17115.7	17568.7	18021.2
8748.2	37.5°	9761.0	11977.4	14193.7	16065.7	17937.7	18514.8	19092.0
8326.0	40°	9254.0	11746.8	14240.0	16634.2	19027.9	19869.0	20710.0
7860.0	42.5°	8690.7	11508.8	14327.8	17377.9	20427.9	21641.9	22855.8
7365.1	45°	8093.6	11287.7	14482.3	18356.5	22230.7	23868.2	25505.7
6973.6	47.5°	7622.1	11105.2	14588.3	19399.1	24210.0	26515.0	28819.6
6713.5	50°	7293.3	10906.2	14519.1	20366.5	26213.9	29688.8	33163.2
6542.2	52.5°	7047.5	10570.0	14092.9	20994.7	27896.0	33022.6	38149.3
6418.1	55°	6813.1	10012.8	13212.5	20856.2	28499.5	35978.4	43457.7
6271.0	57.5°	6550.0	9227.1	11903.8	19881.9	27860.5	38073.1	48285.8
6046.0	60°	6265.3	8207.0	10148.6	18068.8	25988.9	38596.6	51203.9
5654.9	62.5°	5800.7	6986.1	8171.5	15617.1	23062.6	36392.4	49722.1
5265.5	65°	5334.3	5887.7	6441.0	13115.6	19790.6	33273.6	46756.5
4713.1	67.5°	4674.6	4832.0	4989.1	10665.2	16341.3	29562.0	42782.8
4046.8	70°	3868.6	3824.0	3779.0	8397.3	13015.7	25512.2	38008.7
3439.0	72.5°	3186.3	3050.5	2915.1	6419.8	9924.5	21121.8	32319.6
2792.2	75°	2509.3	2386.4	2263.5	4659.4	7055.3	16089.1	25122.8
2184.8	77.5°	1910.1	1826.1	1742.6	3157.3	4572.0	11260.9	17949.8
1608.5	80°	1375.8	1341.2	1306.5	2034.2	2762.3	7255.2	11748.1
1117.9	82.5°	946.6	939.7	933.6	1251.2	1569.6	4199.1	6829.1
683.6	85°	558.1	561.6	564.6	668.8	773.5	1888.9	3004.6
292.5	87.5°	241.4	244.4	247.5	277.3	307.2	618.7	930.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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