

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: P957461

Luminaire Tested: **GALN-SB9D-760-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957461
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-SB9D-760-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 97709 lumens
Efficiency: N/A
Efficacy: 148.5 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

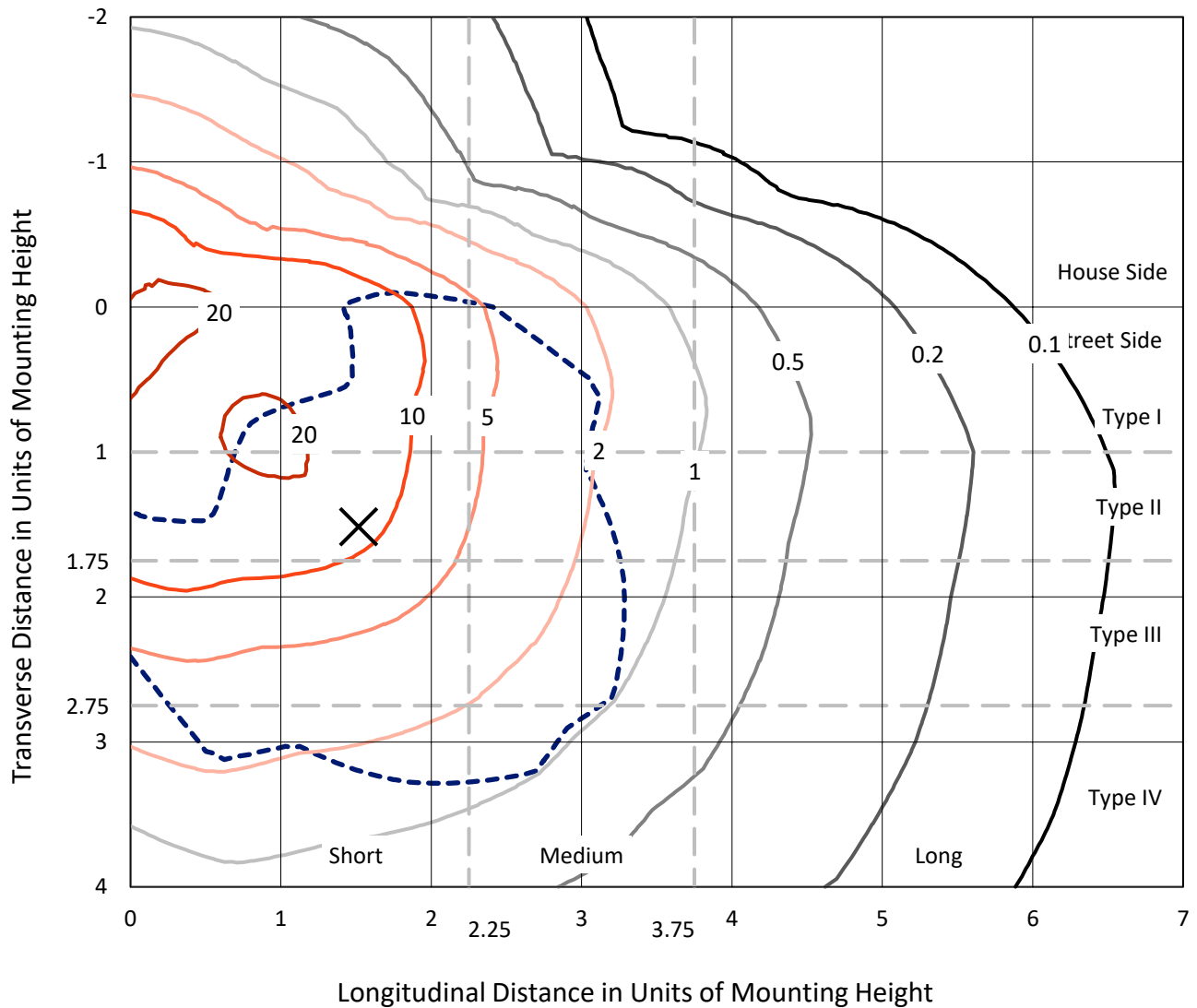
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

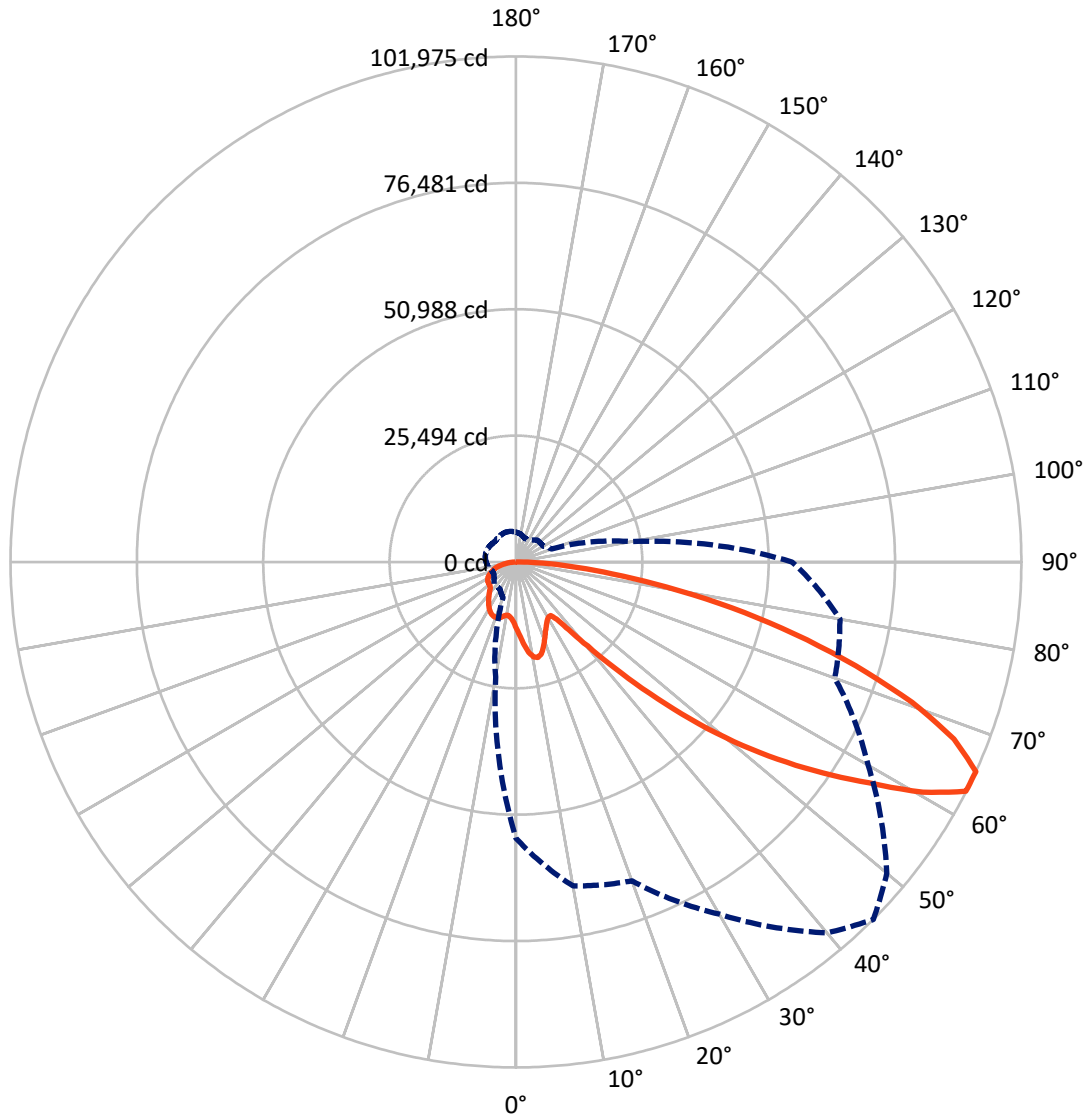
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 29.7 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	24832.7	0.0	24832.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	72876.3	0.0	72876.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	97709.0	0.0	97709.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1332.8	1.4
10°-20°	4184.0	4.3
20°-30°	6462.8	6.6
30°-40°	8190.0	8.4
40°-50°	12352.7	12.6
50°-60°	19957.6	20.4
60°-70°	24880.3	25.5
70°-80°	16315.2	16.7
80°-90°	4033.5	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°	97709.0	100.0
0°-180°	97709.0	100.0

Coefficient of Utilization



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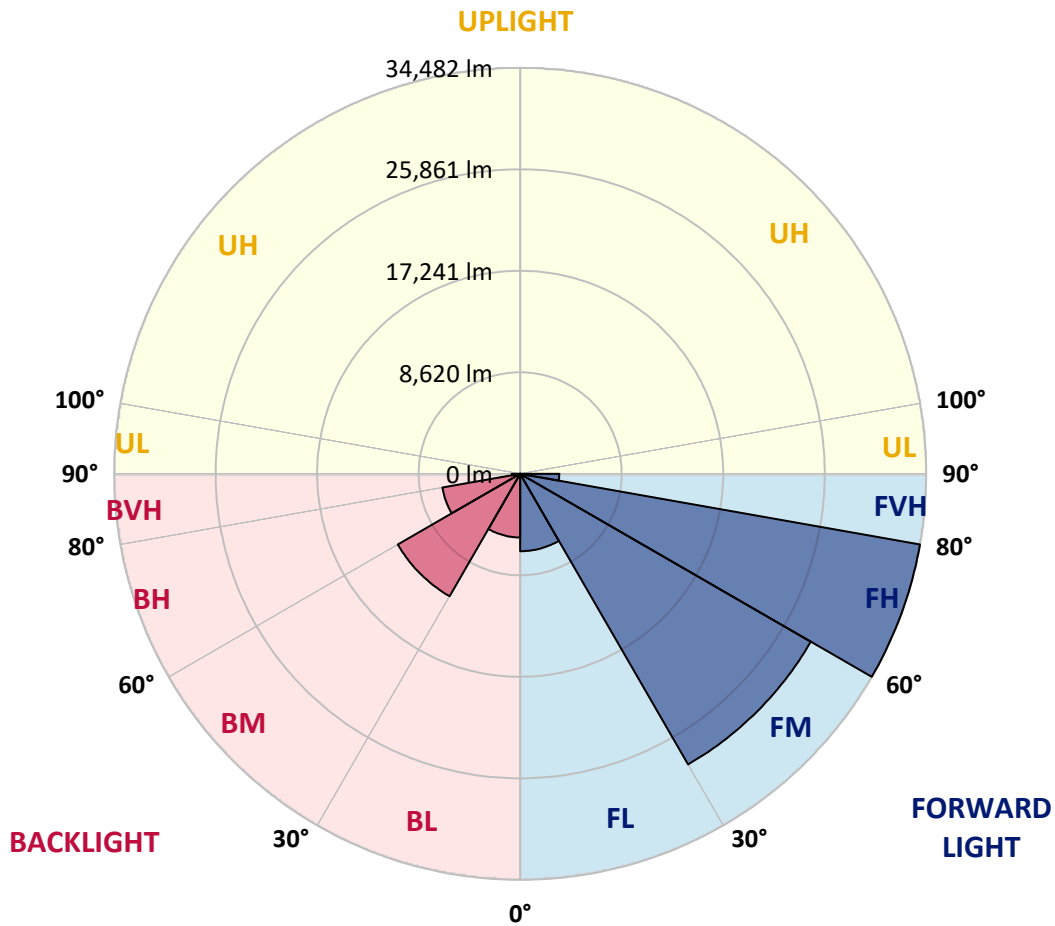
CATALOG NUMBER: GALN-SB9D-760-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6572.1	6.7			
FM (30°-60°)	28499.6	29.2			
FH (60°-80°)	34481.9	35.3			G5
FVH (80°-90°)	3322.7	3.4			G5
BL (0°-30°)	5407.6	5.5	B5		
BM (30°-60°)	12000.7	12.3	B5		
BH (60°-80°)	6713.6	6.9	B5		G5
BVH (80°-90°)	710.8	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°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
2.5°	14448.9	14503.6	14558.7	14636.6	14714.4	14760.9	14807.3	14830.5	14853.7	14843.3
5°	15536.8	15728.1	15919.9	16109.6	16299.8	16403.0	16506.1	16568.4	16631.3	16678.8
7.5°	16629.8	16941.2	17252.1	17532.1	17812.0	17980.6	18149.2	18240.5	18331.2	18375.0
10°	17467.6	17835.7	18203.8	18532.3	18860.7	19059.7	19257.7	19346.4	19434.5	19468.0
12.5°	17980.6	18379.7	18778.2	19075.2	19371.1	19515.5	19659.8	19708.3	19756.8	19761.9
15°	18292.5	18636.9	18980.8	19166.9	19353.6	19358.7	19363.9	19312.3	19260.8	19199.9
17.5°	18467.8	18700.3	18932.9	18936.5	18939.6	18730.8	18522.0	18330.7	18138.9	18003.8
20°	18661.2	18742.1	18823.6	18578.7	18333.8	17872.8	17411.9	17076.3	16740.7	16534.4
22.5°	18885.4	18779.2	18673.0	18165.7	17658.4	16980.4	16302.4	15882.7	15463.1	15235.2
25°	19174.2	18839.0	18503.9	17733.6	16963.4	16140.0	15316.6	14875.3	14435.0	14219.5
27.5°	19566.0	18966.9	18367.3	17347.0	16327.2	15414.6	14502.0	14067.9	13634.3	13430.7
30°	20094.5	19201.0	18308.0	17052.1	15796.1	14845.4	13894.7	13492.0	13089.4	12899.6
32.5°	20718.3	19494.8	18271.9	16851.0	15430.1	14536.6	13643.1	13327.0	13010.5	12873.9
35°	21476.2	19979.0	18482.3	17001.5	15521.3	14900.6	14280.3	14206.6	14132.9	14121.5
37.5°	22752.2	20991.0	19229.8	17884.2	16538.5	16498.3	16458.1	16795.3	17132.5	17307.8
40°	24680.5	22765.1	20849.8	19849.0	18848.3	19554.6	20261.0	21080.7	21900.5	22308.8
42.5°	27237.7	25337.3	23436.9	22860.5	22284.1	23824.6	25365.2	26856.2	28347.2	29222.7
45°	30395.6	28688.5	26981.0	26726.8	26472.1	28940.1	31408.7	33858.7	36309.2	37796.6
47.5°	34344.9	32684.2	31023.1	30971.5	30919.9	34480.5	38040.0	41626.8	45213.2	47319.3
50°	39521.2	37469.8	35418.8	35427.6	35436.4	40025.0	44613.6	49348.1	54082.6	56945.0
52.5°	45463.2	42979.2	40495.7	40244.6	39993.0	45474.0	50955.1	56813.0	62670.5	66101.6
55°	51789.3	49335.2	46881.0	45902.0	44922.9	51023.2	57122.9	64106.3	71089.8	75170.5
57.5°	57543.1	56206.7	54869.8	52906.0	50942.7	57102.3	63261.8	71171.7	79081.1	84141.5
60°	61020.6	63096.3	65172.5	62733.9	60295.2	66124.3	71953.3	80422.1	88890.9	94360.1
62.5°	59254.8	64926.6	70598.4	70323.6	70048.3	75388.1	80728.4	88785.8	96842.6	101897.8
65°	55720.5	61043.8	66367.1	67420.4	68473.2	75259.2	82045.7	89858.7	97671.2	101975.2
67.5°	50985.0	56047.9	61110.9	61604.8	62098.2	69168.7	76238.8	84085.3	91931.8	95303.6
70°	45295.7	50802.5	56309.8	56530.5	56751.7	63074.7	69397.1	76149.6	82901.5	84775.6
72.5°	38515.9	44835.2	51155.1	51313.9	51472.2	56419.1	61366.1	66423.3	71480.1	71669.8
75°	29939.3	36479.9	43020.4	43607.7	44194.9	48043.7	51892.4	55452.4	59012.5	58058.7
77.5°	21391.1	27496.5	33602.5	34442.8	35283.2	38209.1	41135.0	43659.7	46185.0	44545.5
80°	14000.4	19137.0	24273.2	25317.7	26362.3	28572.0	30780.7	32106.8	33432.3	30795.2
82.5°	8138.3	11649.9	15162.0	16328.7	17496.0	19016.9	20537.8	21091.1	21643.7	19571.1
85°	3580.7	5444.4	7308.2	8300.7	9293.2	10542.9	11792.2	12106.2	12420.2	10760.0
87.5°	1108.5	1734.9	2361.3	2915.0	3468.8	4093.6	4718.5	4745.3	4771.6	4006.0
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°
13435.8	0°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
14853.7	2.5°	14830.5	14807.3	14760.9	14714.4	14636.6	14558.7	14503.6	14448.9	14338.1	14227.2
16631.3	5°	16568.4	16506.1	16403.0	16299.8	16109.6	15919.9	15728.1	15536.8	15291.9	15047.0
18331.2	7.5°	18240.5	18149.2	17980.6	17812.0	17532.1	17252.1	16941.2	16629.8	16225.6	15821.9
19434.5	10°	19346.4	19257.7	19059.7	18860.7	18532.3	18203.8	17835.7	17467.6	16956.7	16445.7
19756.8	12.5°	19708.3	19659.8	19515.5	19371.1	19075.2	18778.2	18379.7	17980.6	17419.1	16858.2
19260.8	15°	19312.3	19363.9	19358.7	19353.6	19166.9	18980.8	18636.9	18292.5	17707.4	17122.2
18138.9	17.5°	18330.7	18522.0	18730.8	18939.6	18936.5	18932.9	18700.3	18467.8	17874.4	17281.0
16740.7	20°	17076.3	17411.9	17872.8	18333.8	18578.7	18823.6	18742.1	18661.2	18044.5	17427.4
15463.1	22.5°	15882.7	16302.4	16980.4	17658.4	18165.7	18673.0	18779.2	18885.4	18255.4	17624.9
14435.0	25°	14875.3	15316.6	16140.0	16963.4	17733.6	18503.9	18839.0	19174.2	18556.5	17939.4
13634.3	27.5°	14067.9	14502.0	15414.6	16327.2	17347.0	18367.3	18966.9	19566.0	18977.2	18387.9
13089.4	30°	13492.0	13894.7	14845.4	15796.1	17052.1	18308.0	19201.0	20094.5	19525.3	18956.6
13010.5	32.5°	13327.0	13643.1	14536.6	15430.1	16851.0	18271.9	19494.8	20718.3	20154.8	19591.8
14132.9	35°	14206.6	14280.3	14900.6	15521.3	17001.5	18482.3	19979.0	21476.2	20936.9	20397.1
17132.5	37.5°	16795.3	16458.1	16498.3	16538.5	17884.2	19229.8	20991.0	22752.2	22064.5	21376.7
21900.5	40°	21080.7	20261.0	19554.6	18848.3	19849.0	20849.8	22765.1	24680.5	23678.2	22675.9
28347.2	42.5°	26856.2	25365.2	23824.6	22284.1	22860.5	23436.9	25337.3	27237.7	25791.0	24344.3
36309.2	45°	33858.7	31408.7	28940.1	26472.1	26726.8	26981.0	28688.5	30395.6	28444.2	26492.7
45213.2	47.5°	41626.8	38040.0	34480.5	30919.9	30971.5	31023.1	32684.2	34344.9	31598.4	28851.5
54082.6	50°	49348.1	44613.6	40025.0	35436.4	35427.6	35418.8	37469.8	39521.2	35380.7	31239.6
62670.5	52.5°	56813.0	50955.1	45474.0	39993.0	40244.6	40495.7	42979.2	45463.2	39353.7	33244.1
71089.8	55°	64106.3	57122.9	51023.2	44922.9	45902.0	46881.0	49335.2	51789.3	42876.1	33963.4
79081.1	57.5°	71171.7	63261.8	57102.3	50942.7	52906.0	54869.8	56206.7	57543.1	45372.5	33201.9
88890.9	60°	80422.1	71953.3	66124.3	60295.2	62733.9	65172.5	63096.3	61020.6	45996.3	30971.5
96842.6	62.5°	88785.8	80728.4	75388.1	70048.3	70323.6	70598.4	64926.6	59254.8	43369.5	27484.2
97671.2	65°	89858.7	82045.7	75259.2	68473.2	67420.4	66367.1	61043.8	55720.5	39652.7	23584.9
91931.8	67.5°	84085.3	76238.8	69168.7	62098.2	61604.8	61110.9	56047.9	50985.0	35229.6	19474.2
82901.5	70°	76149.6	69397.1	63074.7	56751.7	56530.5	56309.8	50802.5	45295.7	30403.3	15511.0
71480.1	72.5°	66423.3	61366.1	56419.1	51472.2	51313.9	51155.1	44835.2	38515.9	25171.3	11827.2
59012.5	75°	55452.4	51892.4	48043.7	44194.9	43607.7	43020.4	36479.9	29939.3	19173.6	8408.0
46185.0	77.5°	43659.7	41135.0	38209.1	35283.2	34442.8	33602.5	27496.5	21391.1	13419.8	5448.6
33432.3	80°	32106.8	30780.7	28572.0	26362.3	25317.7	24273.2	19137.0	14000.4	8646.2	3291.9
21643.7	82.5°	21091.1	20537.8	19016.9	17496.0	16328.7	15162.0	11649.9	8138.3	5004.2	1870.5
12420.2	85°	12106.2	11792.2	10542.9	9293.2	8300.7	7308.2	5444.4	3580.7	2251.0	921.8
4771.6	87.5°	4745.3	4718.5	4093.6	3468.8	2915.0	2361.3	1734.9	1108.5	737.3	366.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
13435.8	0°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
14109.2	2.5°	13991.6	13873.0	13754.5	13641.0	13527.6	13417.8	13295.6	13196.6	13098.1	13008.9
14802.6	5°	14558.7	14312.8	14067.4	13838.0	13608.5	13392.0	13178.0	12991.4	12804.3	12647.5
15448.6	7.5°	15075.4	14711.9	14348.4	14028.2	13708.1	13412.6	13135.8	12887.3	12639.3	12433.0
15952.3	10°	15459.5	15018.1	14576.3	14197.8	13818.4	13453.9	13156.4	12894.5	12632.6	12426.3
16299.3	12.5°	15740.4	15219.7	14699.0	14270.5	13842.1	13459.0	13182.2	12967.7	12754.2	12617.1
16515.9	15°	15909.5	15309.9	14710.3	14214.3	13718.4	13294.0	13072.4	12969.8	12867.7	12886.2
16619.5	17.5°	15958.0	15262.0	14566.0	13969.4	13372.9	12873.9	12737.2	12774.9	12812.0	13036.8
16700.4	20°	15973.5	15130.0	14286.5	13547.2	12807.9	12226.8	12190.7	12366.0	12541.3	12931.6
16809.7	22.5°	15994.1	14968.1	13942.1	13051.7	12161.3	11499.9	11570.5	11829.8	12089.2	12534.6
17007.7	25°	16075.6	14808.3	13541.5	12498.5	11456.0	10778.1	10968.8	11267.8	11566.9	11967.5
17317.1	27.5°	16245.7	14701.6	13157.4	11992.7	10828.1	10210.9	10442.9	10731.6	11020.4	11349.8
17717.7	30°	16478.7	14651.5	12823.3	11570.0	10316.6	9798.5	9980.5	10209.4	10439.3	10712.6
18135.8	32.5°	16679.8	14589.7	12498.5	11205.5	9911.9	9494.3	9575.2	9710.8	9846.4	10064.5
18612.2	35°	16827.3	14473.2	12120.1	10847.1	9574.2	9226.2	9192.7	9229.8	9267.4	9434.0
19145.8	37.5°	16914.9	14273.6	11632.4	10425.4	9218.4	8914.3	8791.5	8750.3	8709.1	8828.7
19823.3	40°	16970.1	13998.8	11028.1	9922.2	8816.3	8540.5	8352.3	8259.0	8165.6	8251.7
20709.5	42.5°	17074.7	13715.3	10356.8	9366.9	8377.0	8122.9	7885.7	7761.9	7638.2	7708.3
21875.8	45°	17258.8	13451.8	9645.3	8777.1	7908.9	7651.1	7421.7	7301.0	7180.9	7239.7
23118.3	47.5°	17385.1	13234.2	9083.4	8310.5	7537.7	7205.1	7007.7	6906.6	6805.6	6861.2
24271.1	50°	17302.6	12997.1	8691.5	8000.7	7309.8	6872.6	6643.2	6553.4	6464.3	6550.9
25019.7	52.5°	16794.8	12596.5	8398.7	7796.5	7194.8	6692.1	6371.4	6282.8	6194.6	6325.0
24854.7	55°	15745.6	11932.4	8119.2	7648.5	7177.8	6710.2	6227.1	6086.9	5947.1	6132.2
23693.7	57.5°	14186.0	10996.1	7805.8	7473.2	7140.7	6728.2	6140.5	5936.3	5732.1	5931.2
21532.9	60°	12094.3	9780.4	7466.5	7205.1	6943.7	6671.5	6059.0	5794.5	5529.5	5704.3
18611.1	62.5°	9738.1	8325.5	6912.8	6739.1	6565.8	6532.3	5964.1	5633.1	5302.7	5413.5
15630.1	65°	7675.8	7016.4	6357.0	6275.0	6193.1	6197.2	5764.1	5412.5	5060.3	5103.1
12709.9	67.5°	5945.6	5758.4	5570.8	5616.7	5662.0	5650.7	5407.3	5114.5	4821.6	4808.2
10007.3	70°	4503.5	4557.1	4610.3	4822.7	5034.6	5034.6	4954.7	4746.4	4538.1	4491.7
7650.6	72.5°	3473.9	3635.3	3797.2	4098.3	4398.9	4449.4	4450.4	4307.6	4164.8	4096.7
5552.7	75°	2697.5	2843.9	2990.3	3327.5	3664.7	3897.7	3878.1	3768.3	3658.0	3593.0
3762.7	77.5°	2076.7	2176.2	2276.3	2603.6	2931.0	3315.1	3304.8	3216.7	3128.5	3062.5
2424.2	80°	1557.0	1598.3	1639.5	1916.9	2193.8	2652.6	2651.1	2577.3	2503.1	2447.9
1491.0	82.5°	1112.6	1119.8	1128.1	1332.2	1536.4	1928.2	1949.9	1913.8	1877.7	1838.5
797.1	85°	672.8	669.2	665.1	814.6	964.1	1255.4	1283.8	1245.1	1206.4	1162.6
330.5	87.5°	294.9	291.3	287.7	348.5	409.9	531.0	567.1	551.7	536.2	527.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
13435.8	0°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
12920.3	2.5°	12842.4	12764.6	12686.2	12608.3	12548.0	12487.2	12438.2	12389.2	12351.1	12312.9
12491.3	5°	12353.1	12215.0	12089.7	11963.9	11867.5	11770.5	11703.0	11635.4	11587.5	11539.6
12226.8	7.5°	12053.1	11878.8	11725.2	11572.0	11457.1	11342.6	11262.2	11181.7	11126.6	11071.9
12220.1	10°	12033.0	11845.3	11672.6	11499.9	11362.7	11225.1	11135.3	11044.6	10992.5	10940.5
12481.0	12.5°	12333.5	12187.1	12008.2	11829.8	11654.5	11479.2	11363.2	11247.2	11189.0	11131.2
12904.8	15°	12866.6	12828.5	12673.3	12518.1	12268.6	12019.0	11842.7	11666.4	11585.4	11505.0
13261.6	17.5°	13381.2	13500.3	13375.0	13250.2	12919.7	12589.3	12329.4	12069.6	11949.9	11829.8
13322.4	20°	13572.5	13822.5	13764.8	13706.5	13328.6	12951.2	12632.6	12314.5	12161.3	12007.7
12981.1	22.5°	13306.4	13631.7	13666.8	13701.3	13340.4	12979.5	12651.6	12323.2	12161.8	12000.0
12368.6	25°	12688.8	13008.9	13128.5	13247.6	12951.7	12656.3	12364.5	12073.7	11933.4	11793.7
11678.8	27.5°	11935.5	12192.3	12325.3	12458.8	12247.9	12037.6	11811.3	11584.9	11491.1	11396.7
10985.8	30°	11198.8	11412.2	11520.5	11628.7	11468.4	11307.5	11145.7	10982.7	10934.8	10886.3
10283.1	32.5°	10487.3	10692.0	10812.1	10932.7	10785.3	10637.3	10507.9	10378.5	10347.0	10315.6
9600.0	35°	9802.1	10004.7	10149.1	10293.4	10188.2	10083.6	9964.0	9844.9	9796.9	9749.5
8947.8	37.5°	9149.4	9351.5	9529.8	9708.2	9659.8	9611.3	9501.5	9391.2	9304.0	9217.4
8337.8	40°	8532.7	8727.6	8932.8	9138.5	9150.4	9161.7	9068.4	8975.1	8848.3	8722.5
7779.0	42.5°	7963.5	8148.6	8370.3	8592.0	8651.3	8710.6	8631.7	8553.4	8396.1	8238.9
7299.5	45°	7474.8	7650.1	7880.0	8110.0	8195.0	8280.1	8209.0	8138.3	7958.4	7779.0
6916.4	47.5°	7088.1	7259.3	7486.1	7713.0	7810.9	7908.9	7859.4	7809.9	7650.1	7490.2
6638.0	50°	6799.9	6961.3	7164.4	7367.5	7493.3	7619.1	7616.0	7614.0	7486.1	7358.3
6455.0	52.5°	6603.5	6751.4	6940.6	7130.4	7279.4	7428.4	7455.2	7482.0	7377.8	7273.7
6316.8	55°	6476.6	6636.5	6802.5	6968.0	7125.7	7284.0	7321.1	7358.3	7267.5	7176.8
6130.2	57.5°	6317.8	6505.5	6669.5	6833.9	6993.2	7152.0	7189.7	7227.3	7135.5	7043.8
5878.6	60°	6094.1	6309.6	6476.1	6643.2	6803.0	6962.8	7004.1	7045.3	6955.6	6866.4
5524.4	62.5°	5775.4	6027.0	6204.9	6382.8	6529.2	6675.6	6715.3	6755.0	6674.1	6593.1
5145.4	65°	5414.5	5684.2	5854.3	6024.5	6153.4	6282.3	6323.0	6363.2	6285.3	6207.5
4794.8	67.5°	5043.3	5292.4	5453.7	5614.6	5726.0	5837.3	5877.0	5916.2	5844.5	5773.4
4445.3	70°	4663.9	4882.5	5021.7	5160.9	5261.4	5362.0	5400.1	5438.3	5380.0	5321.7
4029.2	72.5°	4201.4	4373.1	4498.9	4624.7	4723.2	4821.6	4867.0	4912.4	4863.9	4815.5
3527.5	75°	3655.4	3783.3	3897.2	4011.2	4100.9	4190.6	4238.0	4285.4	4261.7	4238.0
2996.5	77.5°	3100.7	3204.3	3302.2	3400.2	3494.6	3588.4	3632.7	3677.1	3644.1	3610.0
2392.3	80°	2478.9	2565.0	2647.5	2730.0	2801.6	2872.8	2931.5	2990.3	2975.9	2962.0
1799.3	82.5°	1792.1	1784.9	1756.0	1727.2	1879.8	2032.4	2132.4	2232.4	2226.2	2219.5
1118.8	85°	1081.7	1044.0	964.1	884.2	1027.0	1170.4	1294.1	1417.8	1407.5	1397.2
519.7	87.5°	518.2	516.6	455.8	394.4	454.2	514.5	564.6	614.6	602.2	588.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
13435.8	0°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
12277.9	2.5°	12242.3	12198.5	12242.3	12277.9	12312.9	12351.1	12389.2	12438.2	12487.2	12548.0
11502.9	5°	11466.3	11430.3	11466.3	11502.9	11539.6	11587.5	11635.4	11703.0	11770.5	11867.5
11038.9	7.5°	11006.4	10981.7	11006.4	11038.9	11071.9	11126.6	11181.7	11262.2	11342.6	11457.1
10912.6	10°	10884.8	10873.4	10884.8	10912.6	10940.5	10992.5	11044.6	11135.3	11225.1	11362.7
11107.5	12.5°	11083.8	11079.7	11083.8	11107.5	11131.2	11189.0	11247.2	11363.2	11479.2	11654.5
11474.1	15°	11443.1	11440.6	11443.1	11474.1	11505.0	11585.4	11666.4	11842.7	12019.0	12268.6
11790.6	17.5°	11750.9	11744.7	11750.9	11790.6	11829.8	11949.9	12069.6	12329.4	12589.3	12919.7
11958.7	20°	11909.7	11894.3	11909.7	11958.7	12007.7	12161.3	12314.5	12632.6	12951.2	13328.6
11945.8	22.5°	11891.7	11868.5	11891.7	11945.8	12000.0	12161.8	12323.2	12651.6	12979.5	13340.4
11742.7	25°	11692.2	11662.3	11692.2	11742.7	11793.7	11933.4	12073.7	12364.5	12656.3	12951.7
11373.5	27.5°	11350.3	11342.6	11350.3	11373.5	11396.7	11491.1	11584.9	11811.3	12037.6	12247.9
10886.3	30°	10886.3	10894.1	10886.3	10886.3	10886.3	10934.8	10982.7	11145.7	11307.5	11468.4
10319.7	32.5°	10324.3	10332.1	10324.3	10319.7	10315.6	10347.0	10378.5	10507.9	10637.3	10785.3
9739.2	35°	9728.9	9723.7	9728.9	9739.2	9749.5	9796.9	9844.9	9964.0	10083.6	10188.2
9171.5	37.5°	9125.6	9099.9	9125.6	9171.5	9217.4	9304.0	9391.2	9501.5	9611.3	9659.8
8636.9	40°	8552.3	8501.8	8552.3	8636.9	8722.5	8848.3	8975.1	9068.4	9161.7	9150.4
8114.6	42.5°	7990.3	7908.9	7990.3	8114.6	8238.9	8396.1	8553.4	8631.7	8710.6	8651.3
7633.1	45°	7487.1	7393.3	7487.1	7633.1	7779.0	7958.4	8138.3	8209.0	8280.1	8195.0
7355.2	47.5°	7220.6	7130.4	7220.6	7355.2	7490.2	7650.1	7809.9	7859.4	7908.9	7810.9
7233.5	50°	7108.7	7022.1	7108.7	7233.5	7358.3	7486.1	7614.0	7616.0	7619.1	7493.3
7161.8	52.5°	7050.5	6970.5	7050.5	7161.8	7273.7	7377.8	7482.0	7455.2	7428.4	7279.4
7078.8	55°	6980.9	6908.7	6980.9	7078.8	7176.8	7267.5	7358.3	7321.1	7284.0	7125.7
6946.8	57.5°	6849.4	6774.6	6849.4	6946.8	7043.8	7135.5	7227.3	7189.7	7152.0	6993.2
6766.4	60°	6666.4	6589.0	6666.4	6766.4	6866.4	6955.6	7045.3	7004.1	6962.8	6803.0
6488.0	62.5°	6382.8	6290.0	6382.8	6488.0	6593.1	6674.1	6755.0	6715.3	6675.6	6529.2
6105.4	65°	6003.8	5923.9	6003.8	6105.4	6207.5	6285.3	6363.2	6323.0	6282.3	6153.4
5678.5	67.5°	5583.7	5511.5	5583.7	5678.5	5773.4	5844.5	5916.2	5877.0	5837.3	5726.0
5231.0	70°	5140.3	5057.8	5140.3	5231.0	5321.7	5380.0	5438.3	5400.1	5362.0	5261.4
4728.8	72.5°	4642.7	4562.8	4642.7	4728.8	4815.5	4863.9	4912.4	4867.0	4821.6	4723.2
4165.3	75°	4092.6	4016.3	4092.6	4165.3	4238.0	4261.7	4285.4	4238.0	4190.6	4100.9
3536.8	77.5°	3463.6	3402.8	3463.6	3536.8	3610.0	3644.1	3677.1	3632.7	3588.4	3494.6
2863.5	80°	2764.5	2650.0	2764.5	2863.5	2962.0	2975.9	2990.3	2931.5	2872.8	2801.6
2136.5	82.5°	2053.0	1979.8	2053.0	2136.5	2219.5	2226.2	2232.4	2132.4	2032.4	1879.8
1332.2	85°	1267.3	1201.3	1267.3	1332.2	1397.2	1407.5	1417.8	1294.1	1170.4	1027.0
555.8	87.5°	521.8	489.8	521.8	555.8	588.8	602.2	614.6	564.6	514.5	454.2
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
13435.8	0°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
12608.3	2.5°	12686.2	12764.6	12842.4	12920.3	13008.9	13098.1	13196.6	13295.6	13417.8	13527.6
11963.9	5°	12089.7	12215.0	12353.1	12491.3	12647.5	12804.3	12991.4	13178.0	13392.0	13608.5
11572.0	7.5°	11725.2	11878.8	12053.1	12226.8	12433.0	12639.3	12887.3	13135.8	13412.6	13708.1
11499.9	10°	11672.6	11845.3	12033.0	12220.1	12426.3	12632.6	12894.5	13156.4	13453.9	13818.4
11829.8	12.5°	12008.2	12187.1	12333.5	12481.0	12617.1	12754.2	12967.7	13182.2	13459.0	13842.1
12518.1	15°	12673.3	12828.5	12866.6	12904.8	12886.2	12867.7	12969.8	13072.4	13294.0	13718.4
13250.2	17.5°	13375.0	13500.3	13381.2	13261.6	13036.8	12812.0	12774.9	12737.2	12873.9	13372.9
13706.5	20°	13764.8	13822.5	13572.5	13322.4	12931.6	12541.3	12366.0	12190.7	12226.8	12807.9
13701.3	22.5°	13666.8	13631.7	13306.4	12981.1	12534.6	12089.2	11829.8	11570.5	11499.9	12161.3
13247.6	25°	13128.5	13008.9	12688.8	12368.6	11967.5	11566.9	11267.8	10968.8	10778.1	11456.0
12458.8	27.5°	12325.3	12192.3	11935.5	11678.8	11349.8	11020.4	10731.6	10442.9	10210.9	10828.1
11628.7	30°	11520.5	11412.2	11198.8	10985.8	10712.6	10439.3	10209.4	9980.5	9798.5	10316.6
10932.7	32.5°	10812.1	10692.0	10487.3	10283.1	10064.5	9846.4	9710.8	9575.2	9494.3	9911.9
10293.4	35°	10149.1	10004.7	9802.1	9600.0	9434.0	9267.4	9229.8	9192.7	9226.2	9574.2
9708.2	37.5°	9529.8	9351.5	9149.4	8947.8	8828.7	8709.1	8750.3	8791.5	8914.3	9218.4
9138.5	40°	8932.8	8727.6	8532.7	8337.8	8251.7	8165.6	8259.0	8352.3	8540.5	8816.3
8592.0	42.5°	8370.3	8148.6	7963.5	7779.0	7708.3	7638.2	7761.9	7885.7	8122.9	8377.0
8110.0	45°	7880.0	7650.1	7474.8	7299.5	7239.7	7180.9	7301.0	7421.7	7651.1	7908.9
7713.0	47.5°	7486.1	7259.3	7088.1	6916.4	6861.2	6805.6	6906.6	7007.7	7205.1	7537.7
7367.5	50°	7164.4	6961.3	6799.9	6638.0	6550.9	6464.3	6553.4	6643.2	6872.6	7309.8
7130.4	52.5°	6940.6	6751.4	6603.5	6455.0	6325.0	6194.6	6282.8	6371.4	6692.1	7194.8
6968.0	55°	6802.5	6636.5	6476.6	6316.8	6132.2	5947.1	6086.9	6227.1	6710.2	7177.8
6833.9	57.5°	6669.5	6505.5	6317.8	6130.2	5931.2	5732.1	5936.3	6140.5	6728.2	7140.7
6643.2	60°	6476.1	6309.6	6094.1	5878.6	5704.3	5529.5	5794.5	6059.0	6671.5	6943.7
6382.8	62.5°	6204.9	6027.0	5775.4	5524.4	5413.5	5302.7	5633.1	5964.1	6532.3	6565.8
6024.5	65°	5854.3	5684.2	5414.5	5145.4	5103.1	5060.3	5412.5	5764.1	6197.2	6193.1
5614.6	67.5°	5453.7	5292.4	5043.3	4794.8	4808.2	4821.6	5114.5	5407.3	5650.7	5662.0
5160.9	70°	5021.7	4882.5	4663.9	4445.3	4491.7	4538.1	4746.4	4954.7	5034.6	5034.6
4624.7	72.5°	4498.9	4373.1	4201.4	4029.2	4096.7	4164.8	4307.6	4450.4	4449.4	4398.9
4011.2	75°	3897.2	3783.3	3655.4	3527.5	3593.0	3658.0	3768.3	3878.1	3897.7	3664.7
3400.2	77.5°	3302.2	3204.3	3100.7	2996.5	3062.5	3128.5	3216.7	3304.8	3315.1	2931.0
2730.0	80°	2647.5	2565.0	2478.9	2392.3	2447.9	2503.1	2577.3	2651.1	2652.6	2193.8
1727.2	82.5°	1756.0	1784.9	1792.1	1799.3	1838.5	1877.7	1913.8	1949.9	1928.2	1536.4
884.2	85°	964.1	1044.0	1081.7	1118.8	1162.6	1206.4	1245.1	1283.8	1255.4	964.1
394.4	87.5°	455.8	516.6	518.2	519.7	527.9	536.2	551.7	567.1	531.0	409.9
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°
13435.8	0°	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8	13435.8
13641.0	2.5°	13754.5	13873.0	13991.6	14109.2	14227.2	14338.1	14448.9
13838.0	5°	14067.4	14312.8	14558.7	14802.6	15047.0	15291.9	15536.8
14028.2	7.5°	14348.4	14711.9	15075.4	15448.6	15821.9	16225.6	16629.8
14197.8	10°	14576.3	15018.1	15459.5	15952.3	16445.7	16956.7	17467.6
14270.5	12.5°	14699.0	15219.7	15740.4	16299.3	16858.2	17419.1	17980.6
14214.3	15°	14710.3	15309.9	15909.5	16515.9	17122.2	17707.4	18292.5
13969.4	17.5°	14566.0	15262.0	15958.0	16619.5	17281.0	17874.4	18467.8
13547.2	20°	14286.5	15130.0	15973.5	16700.4	17427.4	18044.5	18661.2
13051.7	22.5°	13942.1	14968.1	15994.1	16809.7	17624.9	18255.4	18885.4
12498.5	25°	13541.5	14808.3	16075.6	17007.7	17939.4	18556.5	19174.2
11992.7	27.5°	13157.4	14701.6	16245.7	17317.1	18387.9	18977.2	19566.0
11570.0	30°	12823.3	14651.5	16478.7	17717.7	18956.6	19525.3	20094.5
11205.5	32.5°	12498.5	14589.7	16679.8	18135.8	19591.8	20154.8	20718.3
10847.1	35°	12120.1	14473.2	16827.3	18612.2	20397.1	20936.9	21476.2
10425.4	37.5°	11632.4	14273.6	16914.9	19145.8	21376.7	22064.5	22752.2
9922.2	40°	11028.1	13998.8	16970.1	19823.3	22675.9	23678.2	24680.5
9366.9	42.5°	10356.8	13715.3	17074.7	20709.5	24344.3	25791.0	27237.7
8777.1	45°	9645.3	13451.8	17258.8	21875.8	26492.7	28444.2	30395.6
8310.5	47.5°	9083.4	13234.2	17385.1	23118.3	28851.5	31598.4	34344.9
8000.7	50°	8691.5	12997.1	17302.6	24271.1	31239.6	35380.7	39521.2
7796.5	52.5°	8398.7	12596.5	16794.8	25019.7	33244.1	39353.7	45463.2
7648.5	55°	8119.2	11932.4	15745.6	24854.7	33963.4	42876.1	51789.3
7473.2	57.5°	7805.8	10996.1	14186.0	23693.7	33201.9	45372.5	57543.1
7205.1	60°	7466.5	9780.4	12094.3	21532.9	30971.5	45996.3	61020.6
6739.1	62.5°	6912.8	8325.5	9738.1	18611.1	27484.2	43369.5	59254.8
6275.0	65°	6357.0	7016.4	7675.8	15630.1	23584.9	39652.7	55720.5
5616.7	67.5°	5570.8	5758.4	5945.6	12709.9	19474.2	35229.6	50985.0
4822.7	70°	4610.3	4557.1	4503.5	10007.3	15511.0	30403.3	45295.7
4098.3	72.5°	3797.2	3635.3	3473.9	7650.6	11827.2	25171.3	38515.9
3327.5	75°	2990.3	2843.9	2697.5	5552.7	8408.0	19173.6	29939.3
2603.6	77.5°	2276.3	2176.2	2076.7	3762.7	5448.6	13419.8	21391.1
1916.9	80°	1639.5	1598.3	1557.0	2424.2	3291.9	8646.2	14000.4
1332.2	82.5°	1128.1	1119.8	1112.6	1491.0	1870.5	5004.2	8138.3
814.6	85°	665.1	669.2	672.8	797.1	921.8	2251.0	3580.7
348.5	87.5°	287.7	291.3	294.9	330.5	366.1	737.3	1108.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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