

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: P957671

Luminaire Tested: **GALN-SB9D-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957671
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-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64247 lumens
Efficiency: N/A
Efficacy: 97.6 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

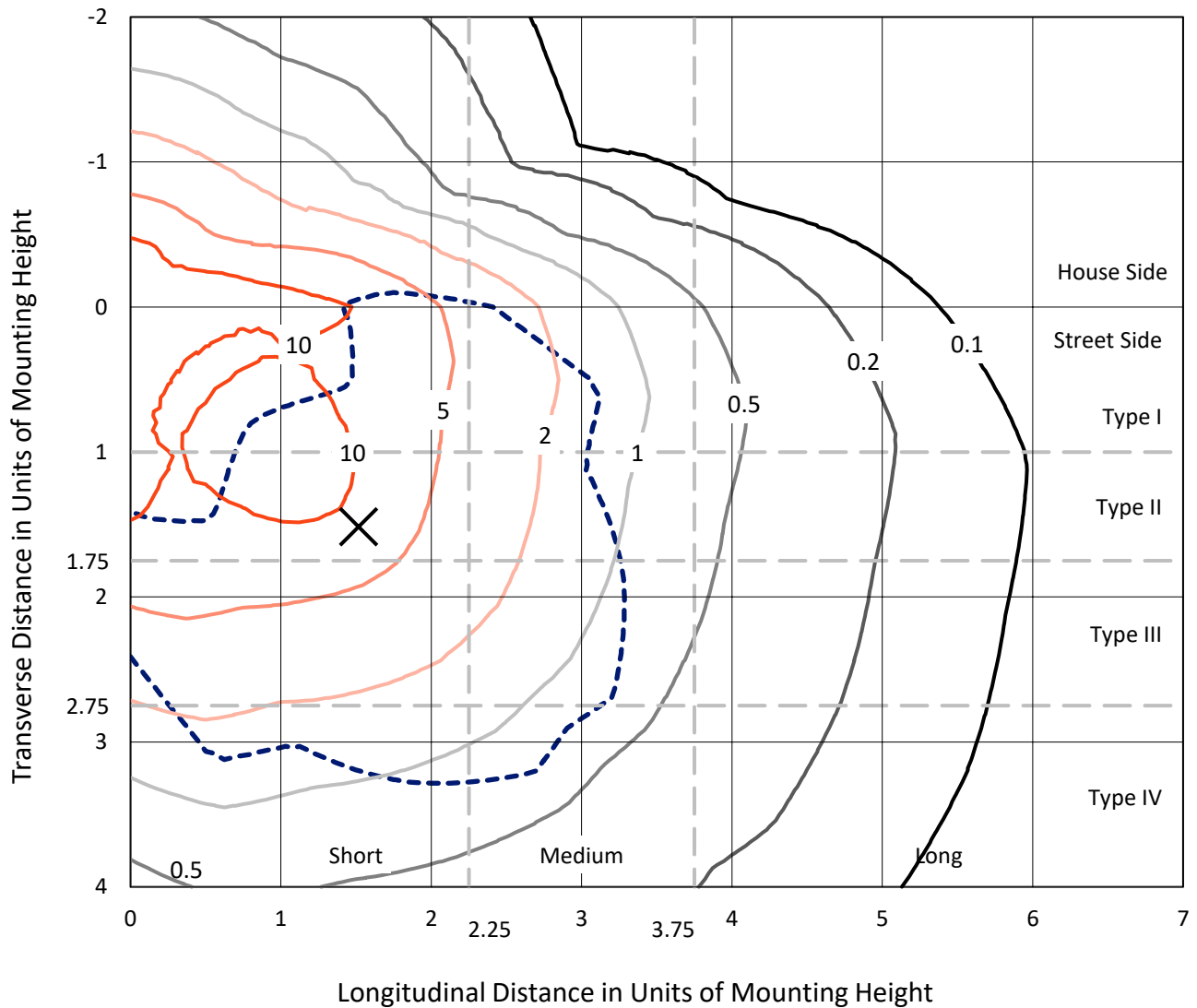
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

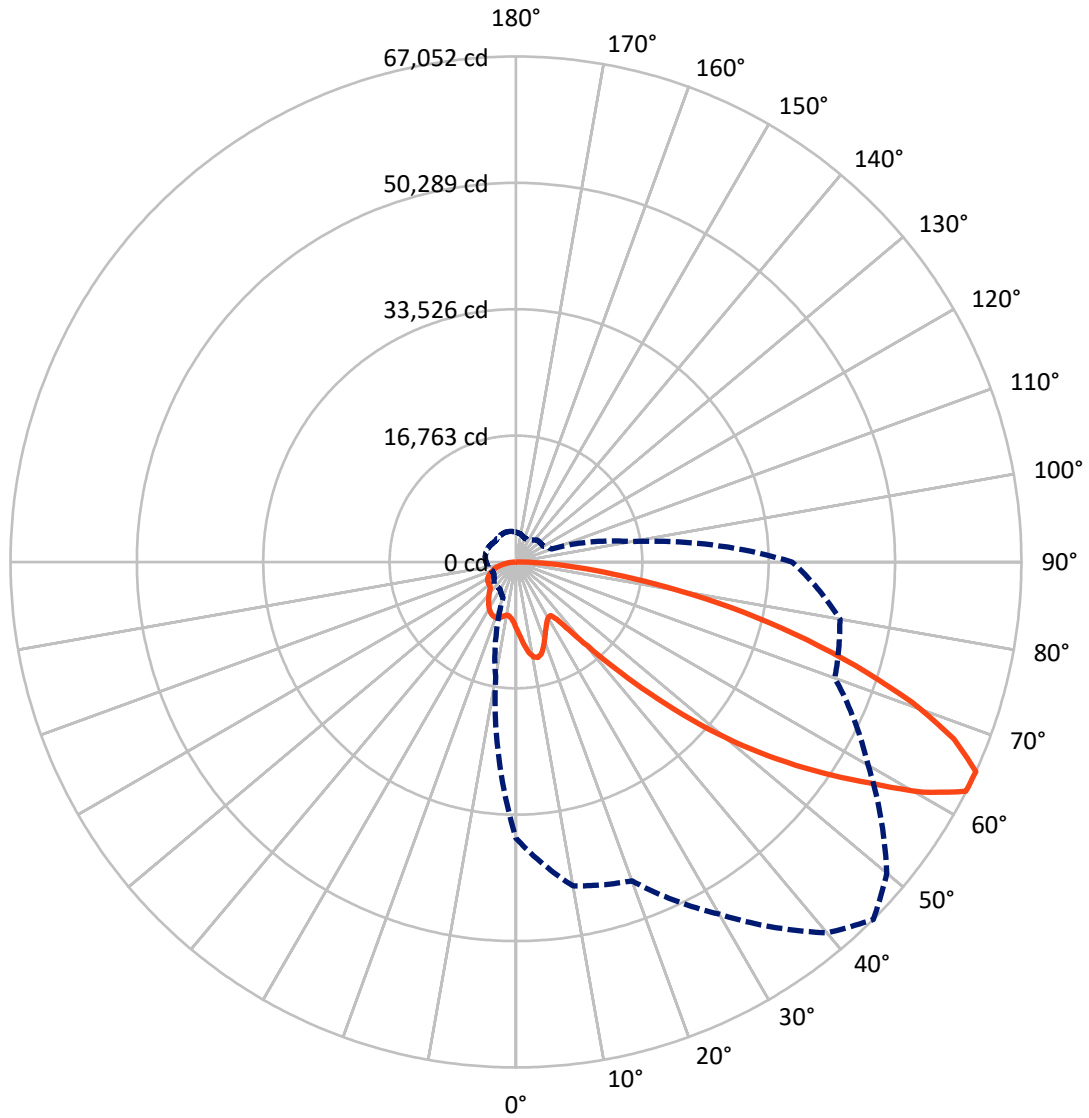
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.6 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	16328.3	0.0	16328.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	47918.6	0.0	47918.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	64247.0	0.0	64247.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	876.4	1.4
10°-20°	2751.1	4.3
20°-30°	4249.5	6.6
30°-40°	5385.2	8.4
40°-50°	8122.3	12.6
50°-60°	13122.8	20.4
60°-70°	16359.6	25.5
70°-80°	10727.8	16.7
80°-90°	2652.2	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°	64247.0	100.0
0°-180°	64247.0	100.0



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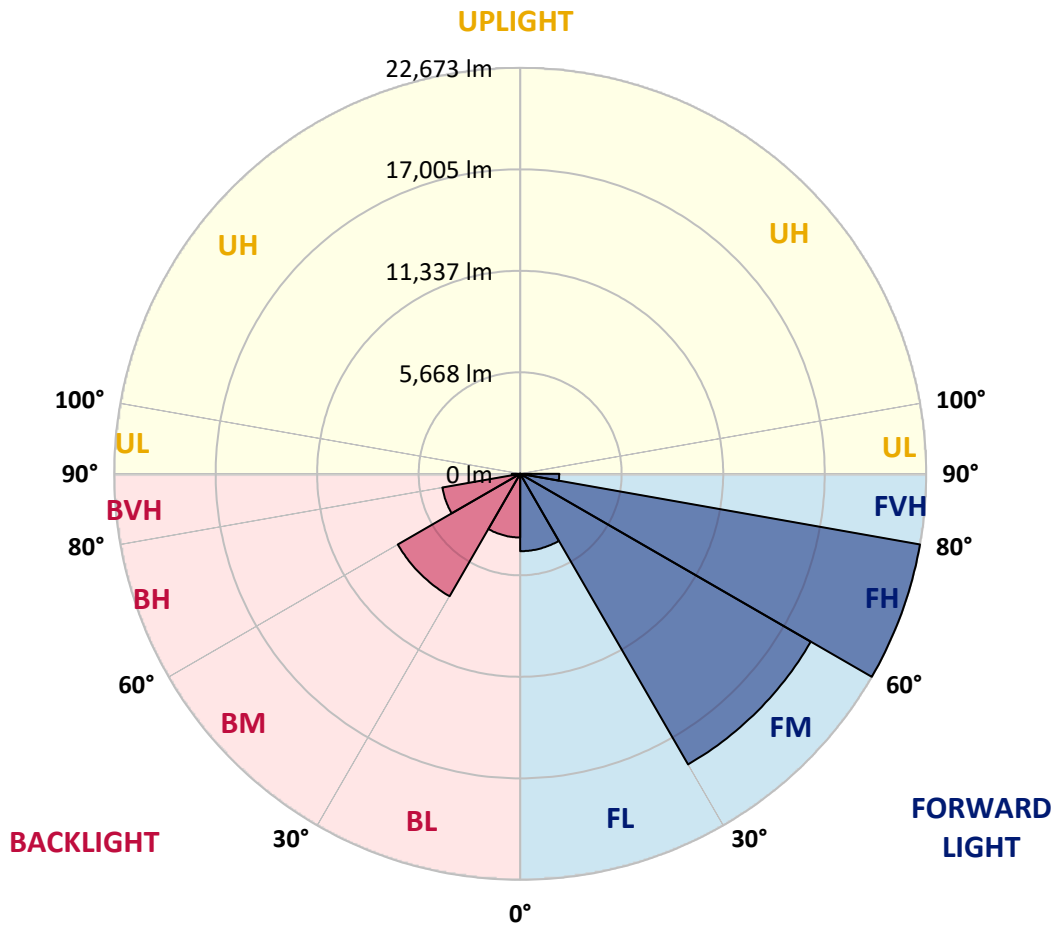
CATALOG NUMBER: GALN-SB9D-950-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4321.3	6.7			
FM (30°-60°)	18739.5	29.2			
FH (60°-80°)	22673.0	35.3			G5
FVH (80°-90°)	2184.8	3.4			G5
BL (0°-30°)	3555.7	5.5	B4/5000		
BM (30°-60°)	7890.9	12.3	B4/8500		
BH (60°-80°)	4414.4	6.9	B4/5000		G4/5000
BVH (80°-90°)	467.4	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°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
2.5°	9500.7	9536.6	9572.9	9624.1	9675.3	9705.8	9736.3	9751.5	9766.8	9760.0
5°	10216.0	10341.7	10467.9	10592.6	10717.7	10785.5	10853.3	10894.3	10935.7	10966.9
7.5°	10934.7	11139.4	11343.8	11527.9	11712.0	11822.9	11933.7	11993.7	12053.4	12082.2
10°	11485.5	11727.6	11969.7	12185.6	12401.5	12532.4	12662.6	12720.9	12778.9	12800.9
12.5°	11822.9	12085.3	12347.3	12542.6	12737.2	12832.1	12927.0	12958.9	12990.7	12994.1
15°	12028.0	12254.4	12480.5	12602.9	12725.6	12729.0	12732.4	12698.5	12664.6	12624.6
17.5°	12143.2	12296.1	12449.0	12451.4	12453.4	12316.1	12178.8	12053.0	11926.9	11838.1
20°	12270.3	12323.6	12377.1	12216.1	12055.1	11752.0	11448.9	11228.2	11007.5	10871.9
22.5°	12417.8	12348.0	12278.1	11944.6	11611.0	11165.2	10719.4	10443.4	10167.5	10017.6
25°	12607.7	12387.3	12167.0	11660.5	11154.0	10612.6	10071.2	9781.0	9491.5	9349.8
27.5°	12865.3	12471.4	12077.1	11406.2	10735.7	10135.6	9535.6	9250.1	8965.0	8831.1
30°	13212.8	12625.3	12038.1	11212.3	10386.5	9761.4	9136.2	8871.5	8606.7	8481.9
32.5°	13623.0	12818.5	12014.4	11080.1	10145.8	9558.3	8970.8	8763.0	8554.8	8465.0
35°	14121.3	13136.9	12152.7	11179.1	10205.8	9797.6	9389.8	9341.3	9292.9	9285.4
37.5°	14960.4	13802.3	12644.3	11759.5	10874.7	10848.2	10821.8	11043.5	11265.2	11380.5
40°	16228.3	14968.8	13709.4	13051.4	12393.4	12857.8	13322.3	13861.3	14400.3	14668.8
42.5°	17909.7	16660.1	15410.6	15031.6	14652.5	15665.5	16678.5	17658.9	18639.3	19214.9
45°	19986.1	18863.7	17740.9	17573.8	17406.3	19029.1	20652.3	22263.3	23874.6	24852.6
47.5°	22582.9	21491.0	20398.7	20364.8	20330.9	22672.1	25012.6	27371.1	29729.2	31114.0
50°	25986.6	24637.7	23289.1	23294.8	23300.6	26317.8	29334.9	32448.0	35561.1	37443.3
52.5°	29893.6	28260.3	26627.3	26462.2	26296.8	29900.7	33504.7	37356.5	41208.0	43464.1
55°	34053.2	32439.6	30825.9	30182.1	29538.3	33549.5	37560.3	42152.1	46743.9	49427.2
57.5°	37836.5	36957.8	36078.8	34787.5	33496.6	37546.7	41596.8	46797.8	51998.5	55325.9
60°	40123.1	41488.0	42853.2	41249.7	39646.2	43479.0	47311.8	52880.3	58448.8	62045.0
62.5°	38962.0	42691.5	46420.9	46240.2	46059.2	49570.2	53081.7	58379.7	63677.3	67001.3
65°	36638.2	40138.4	43638.6	44331.2	45023.5	49485.5	53947.8	59085.1	64222.1	67052.1
67.5°	33524.4	36853.4	40182.5	40507.2	40831.7	45480.8	50129.6	55288.9	60448.3	62665.4
70°	29783.4	33404.4	37025.6	37170.7	37316.2	41473.7	45631.0	50071.0	54510.6	55742.9
72.5°	25325.5	29480.7	33636.2	33740.7	33844.7	37097.5	40350.3	43675.6	47000.6	47125.3
75°	19686.1	23986.8	28287.4	28673.5	29059.7	31590.3	34121.0	36461.9	38802.7	38175.5
77.5°	14065.4	18079.9	22094.8	22647.3	23199.9	25123.8	27047.7	28707.8	30368.2	29290.2
80°	9205.7	12583.3	15960.4	16647.3	17334.1	18787.1	20239.4	21111.3	21982.9	20248.9
82.5°	5351.2	7660.2	9969.5	10736.7	11504.2	12504.3	13504.3	13868.1	14231.5	12868.7
85°	2354.4	3579.9	4805.4	5458.0	6110.6	6932.3	7753.8	7960.2	8166.7	7075.1
87.5°	728.9	1140.8	1552.7	1916.7	2280.8	2691.7	3102.6	3120.2	3137.5	2634.1
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°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
9766.8	2.5°	9751.5	9736.3	9705.8	9675.3	9624.1	9572.9	9536.6	9500.7	9427.8	9354.9
10935.7	5°	10894.3	10853.3	10785.5	10717.7	10592.6	10467.9	10341.7	10216.0	10054.9	9893.9
12053.4	7.5°	11993.7	11933.7	11822.9	11712.0	11527.9	11343.8	11139.4	10934.7	10668.9	10403.4
12778.9	10°	12720.9	12662.6	12532.4	12401.5	12185.6	11969.7	11727.6	11485.5	11149.6	10813.6
12990.7	12.5°	12958.9	12927.0	12832.1	12737.2	12542.6	12347.3	12085.3	11822.9	11453.7	11084.8
12664.6	15°	12698.5	12732.4	12729.0	12725.6	12602.9	12480.5	12254.4	12028.0	11643.2	11258.4
11926.9	17.5°	12053.0	12178.8	12316.1	12453.4	12451.4	12449.0	12296.1	12143.2	11753.0	11362.8
11007.5	20°	11228.2	11448.9	11752.0	12055.1	12216.1	12377.1	12323.6	12270.3	11864.9	11459.1
10167.5	22.5°	10443.4	10719.4	11165.2	11611.0	11944.6	12278.1	12348.0	12417.8	12003.6	11588.9
9491.5	25°	9781.0	10071.2	10612.6	11154.0	11660.5	12167.0	12387.3	12607.7	12201.5	11795.7
8965.0	27.5°	9250.1	9535.6	10135.6	10735.7	11406.2	12077.1	12471.4	12865.3	12478.2	12090.7
8606.7	30°	8871.5	9136.2	9761.4	10386.5	11212.3	12038.1	12625.3	13212.8	12838.5	12464.6
8554.8	32.5°	8763.0	8970.8	9558.3	10145.8	11080.1	12014.4	12818.5	13623.0	13252.5	12882.3
9292.9	35°	9341.3	9389.8	9797.6	10205.8	11179.1	12152.7	13136.9	14121.3	13766.7	13411.8
11265.2	37.5°	11043.5	10821.8	10848.2	10874.7	11759.5	12644.3	13802.3	14960.4	14508.1	14055.9
14400.3	40°	13861.3	13322.3	12857.8	12393.4	13051.4	13709.4	14968.8	16228.3	15569.2	14910.2
18639.3	42.5°	17658.9	16678.5	15665.5	14652.5	15031.6	15410.6	16660.1	17909.7	16958.5	16007.2
23874.6	45°	22263.3	20652.3	19029.1	17406.3	17573.8	17740.9	18863.7	19986.1	18703.0	17419.9
29729.2	47.5°	27371.1	25012.6	22672.1	20330.9	20364.8	20398.7	21491.0	22582.9	20777.0	18970.8
35561.1	50°	32448.0	29334.9	26317.8	23300.6	23294.8	23289.1	24637.7	25986.6	23264.0	20541.1
41208.0	52.5°	37356.5	33504.7	29900.7	26296.8	26462.2	26627.3	28260.3	29893.6	25876.4	21859.2
46743.9	55°	42152.1	37560.3	33549.5	29538.3	30182.1	30825.9	32439.6	34053.2	28192.5	22332.1
51998.5	57.5°	46797.8	41596.8	37546.7	33496.6	34787.5	36078.8	36957.8	37836.5	29833.9	21831.4
58448.8	60°	52880.3	47311.8	43479.0	39646.2	41249.7	42853.2	41488.0	40123.1	30244.1	20364.8
63677.3	62.5°	58379.7	53081.7	49570.2	46059.2	46240.2	46420.9	42691.5	38962.0	28516.9	18071.8
64222.1	65°	59085.1	53947.8	49485.5	45023.5	44331.2	43638.6	40138.4	36638.2	26073.0	15507.9
60448.3	67.5°	55288.9	50129.6	45480.8	40831.7	40507.2	40182.5	36853.4	33524.4	23164.7	12805.0
54510.6	70°	50071.0	45631.0	41473.7	37316.2	37170.7	37025.6	33404.4	29783.4	19991.2	10199.0
47000.6	72.5°	43675.6	40350.3	37097.5	33844.7	33740.7	33636.2	29480.7	25325.5	16551.0	7776.8
38802.7	75°	36461.9	34121.0	31590.3	29059.7	28673.5	28287.4	23986.8	19686.1	12607.3	5528.5
30368.2	77.5°	28707.8	27047.7	25123.8	23199.9	22647.3	22094.8	18079.9	14065.4	8824.0	3582.6
21982.9	80°	21111.3	20239.4	18787.1	17334.1	16647.3	15960.4	12583.3	9205.7	5685.1	2164.6
14231.5	82.5°	13868.1	13504.3	12504.3	11504.2	10736.7	9969.5	7660.2	5351.2	3290.4	1229.9
8166.7	85°	7960.2	7753.8	6932.3	6110.6	5458.0	4805.4	3579.9	2354.4	1480.1	606.1
3137.5	87.5°	3120.2	3102.6	2691.7	2280.8	1916.7	1552.7	1140.8	728.9	484.8	240.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
9277.3	2.5°	9200.0	9122.0	9044.0	8969.4	8894.9	8822.7	8742.3	8677.2	8612.5	8553.8
9733.2	5°	9572.9	9411.2	9249.8	9098.9	8948.1	8805.7	8665.0	8542.3	8419.2	8316.2
10158.0	7.5°	9912.6	9673.6	9434.6	9224.0	9013.5	8819.3	8637.2	8473.8	8310.8	8175.1
10489.2	10°	10165.1	9874.9	9584.4	9335.6	9086.1	8846.4	8650.8	8478.6	8306.3	8170.7
10717.4	12.5°	10349.9	10007.5	9665.1	9383.4	9101.7	8849.8	8667.7	8526.7	8386.3	8296.2
10859.7	15°	10461.1	10066.8	9672.5	9346.4	9020.3	8741.3	8595.5	8528.1	8460.9	8473.1
10927.9	17.5°	10492.9	10035.3	9577.6	9185.4	8793.2	8465.0	8375.2	8399.9	8424.3	8572.1
10981.1	20°	10503.1	9948.5	9393.9	8907.7	8421.6	8039.5	8015.8	8131.1	8246.3	8503.0
11053.0	22.5°	10516.7	9842.0	9167.4	8582.0	7996.5	7561.5	7608.0	7778.5	7949.0	8241.9
11183.2	25°	10570.2	9737.0	8904.0	8218.2	7532.7	7086.9	7212.4	7409.0	7605.6	7869.0
11386.6	27.5°	10682.1	9666.8	8651.5	7885.6	7119.8	6714.0	6866.6	7056.4	7246.3	7462.9
11650.0	30°	10835.3	9633.9	8431.8	7607.7	6783.5	6442.8	6562.5	6713.0	6864.2	7043.9
11924.9	32.5°	10967.5	9593.2	8218.2	7368.0	6517.4	6242.8	6296.0	6385.2	6474.4	6617.8
12238.1	35°	11064.5	9516.6	7969.4	7132.4	6295.4	6066.5	6044.5	6068.9	6093.6	6203.1
12589.0	37.5°	11122.1	9385.4	7648.7	6855.1	6061.4	5861.4	5780.7	5753.6	5726.5	5805.2
13034.5	40°	11158.4	9204.7	7251.4	6524.2	5797.0	5615.6	5491.9	5430.5	5369.2	5425.8
13617.2	42.5°	11227.2	9018.3	6810.0	6159.1	5508.2	5341.1	5185.1	5103.7	5022.4	5068.5
14384.1	45°	11348.3	8845.0	6342.1	5771.3	5200.4	5030.9	4880.0	4800.7	4721.7	4760.3
15201.1	47.5°	11431.3	8702.0	5972.6	5464.4	4956.3	4737.6	4607.8	4541.3	4474.9	4511.5
15959.1	50°	11377.1	8546.0	5715.0	5260.7	4806.4	4519.0	4368.1	4309.1	4250.5	4307.4
16451.3	52.5°	11043.1	8282.6	5522.4	5126.5	4730.8	4400.3	4189.4	4131.1	4073.2	4158.9
16342.8	55°	10353.3	7846.0	5338.7	5029.2	4719.7	4412.2	4094.5	4002.3	3910.4	4032.1
15579.4	57.5°	9327.8	7230.3	5132.6	4913.9	4695.2	4424.0	4037.6	3903.3	3769.1	3899.9
14158.6	60°	7952.4	6431.0	4909.5	4737.6	4565.7	4386.7	3984.0	3810.1	3635.8	3750.8
12237.5	62.5°	6403.2	5474.3	4545.4	4431.2	4317.3	4295.2	3921.6	3704.0	3486.7	3559.6
10277.3	65°	5047.1	4613.5	4180.0	4126.1	4072.1	4074.9	3790.1	3558.9	3327.4	3355.5
8357.2	67.5°	3909.4	3786.4	3663.0	3693.1	3723.0	3715.5	3555.5	3362.9	3170.4	3161.6
6580.1	70°	2961.2	2996.5	3031.4	3171.1	3310.4	3310.4	3257.9	3120.9	2983.9	2953.4
5030.5	72.5°	2284.2	2390.3	2496.8	2694.8	2892.4	2925.6	2926.3	2832.4	2738.5	2693.7
3651.1	75°	1773.7	1870.0	1966.2	2187.9	2409.7	2562.9	2550.0	2477.8	2405.3	2362.5
2474.1	77.5°	1365.5	1430.9	1496.7	1712.0	1927.3	2179.8	2173.0	2115.1	2057.1	2013.7
1594.0	80°	1023.8	1050.9	1078.0	1260.4	1442.5	1744.2	1743.2	1694.7	1645.9	1609.6
980.4	82.5°	731.6	736.3	741.7	876.0	1010.2	1267.9	1282.1	1258.4	1234.7	1208.9
524.1	85°	442.4	440.0	437.3	535.6	633.9	825.5	844.1	818.7	793.3	764.5
217.3	87.5°	193.9	191.5	189.2	229.2	269.5	349.2	372.9	362.7	352.6	347.1
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°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8495.5	2.5°	8444.3	8393.1	8341.6	8290.4	8250.7	8210.7	8178.5	8146.3	8121.2	8096.2
8213.5	5°	8122.6	8031.7	7949.4	7866.7	7803.3	7739.5	7695.1	7650.7	7619.2	7587.6
8039.5	7.5°	7925.3	7810.7	7709.7	7609.0	7533.4	7458.1	7405.3	7352.4	7316.1	7280.2
8035.1	10°	7912.1	7788.7	7675.1	7561.5	7471.4	7380.9	7321.9	7262.2	7228.0	7193.7
8206.7	12.5°	8109.7	8013.4	7895.8	7778.5	7663.2	7548.0	7471.7	7395.4	7357.1	7319.2
8485.3	15°	8460.3	8435.2	8333.1	8231.1	8067.0	7902.9	7787.0	7671.0	7617.8	7564.9
8719.9	17.5°	8798.6	8876.9	8794.5	8712.5	8495.2	8277.9	8107.0	7936.1	7857.5	7778.5
8759.9	20°	8924.4	9088.8	9050.8	9012.5	8764.0	8515.8	8306.3	8097.2	7996.5	7895.5
8535.5	22.5°	8749.4	8963.3	8986.4	9009.1	8771.8	8534.5	8318.9	8102.9	7996.8	7890.4
8132.8	25°	8343.3	8553.8	8632.5	8710.8	8516.2	8321.9	8130.1	7938.9	7846.7	7754.8
7679.2	27.5°	7848.0	8016.8	8104.3	8192.1	8053.4	7915.1	7766.3	7617.5	7555.8	7493.7
7223.6	30°	7363.6	7503.9	7575.1	7646.3	7540.9	7435.1	7328.6	7221.5	7190.0	7158.1
6761.5	32.5°	6895.7	7030.3	7109.3	7188.6	7091.7	6994.4	6909.3	6824.2	6803.5	6782.8
6312.3	35°	6445.2	6578.4	6673.3	6768.3	6699.1	6630.3	6551.6	6473.3	6441.8	6410.6
5883.5	37.5°	6016.0	6148.9	6266.2	6383.5	6351.6	6319.8	6247.6	6175.0	6117.7	6060.8
5482.4	40°	5610.6	5738.7	5873.6	6008.9	6016.7	6024.1	5962.8	5901.4	5818.0	5735.3
5114.9	42.5°	5236.3	5358.0	5503.8	5649.5	5688.5	5727.5	5675.7	5624.1	5520.7	5417.3
4799.7	45°	4914.9	5030.2	5181.4	5332.6	5388.5	5444.4	5397.7	5351.2	5232.9	5114.9
4547.8	47.5°	4660.7	4773.2	4922.4	5071.5	5136.0	5200.4	5167.8	5135.3	5030.2	4925.1
4364.7	50°	4471.2	4577.3	4710.8	4844.4	4927.1	5009.8	5007.8	5006.5	4922.4	4838.3
4244.4	52.5°	4342.0	4439.3	4563.7	4688.5	4786.4	4884.4	4902.0	4919.7	4851.2	4782.7
4153.5	55°	4258.6	4363.7	4472.9	4581.7	4685.4	4789.5	4813.9	4838.3	4778.6	4719.0
4030.8	57.5°	4154.2	4277.6	4385.4	4493.5	4598.3	4702.7	4727.4	4752.2	4691.9	4631.5
3865.4	60°	4007.1	4148.8	4258.3	4368.1	4473.2	4578.3	4605.4	4632.5	4573.5	4514.9
3632.5	62.5°	3797.6	3963.0	4079.9	4196.9	4293.2	4389.5	4415.6	4441.7	4388.4	4335.2
3383.3	65°	3560.2	3737.5	3849.4	3961.3	4046.0	4130.8	4157.6	4184.0	4132.8	4081.6
3152.8	67.5°	3316.2	3479.9	3586.0	3691.8	3765.0	3838.2	3864.3	3890.1	3843.0	3796.2
2922.9	70°	3066.7	3210.4	3301.9	3393.5	3459.6	3525.7	3550.8	3575.8	3537.5	3499.2
2649.3	72.5°	2762.6	2875.5	2958.2	3040.9	3105.6	3170.4	3200.2	3230.1	3198.2	3166.3
2319.5	75°	2403.6	2487.6	2562.6	2637.5	2696.5	2755.4	2786.6	2817.8	2802.2	2786.6
1970.3	77.5°	2038.8	2106.9	2171.3	2235.7	2297.8	2359.5	2388.6	2417.8	2396.1	2373.7
1573.0	80°	1629.9	1686.6	1740.8	1795.0	1842.2	1888.9	1927.6	1966.2	1956.7	1947.6
1183.1	82.5°	1178.4	1173.6	1154.7	1135.7	1236.0	1336.4	1402.1	1467.9	1463.8	1459.4
735.6	85°	711.2	686.5	633.9	581.4	675.3	769.5	850.9	932.3	925.5	918.7
341.7	87.5°	340.7	339.7	299.7	259.3	298.7	338.3	371.2	404.1	396.0	387.1
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°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8073.1	2.5°	8049.7	8020.9	8049.7	8073.1	8096.2	8121.2	8146.3	8178.5	8210.7	8250.7
7563.6	5°	7539.5	7515.8	7539.5	7563.6	7587.6	7619.2	7650.7	7695.1	7739.5	7803.3
7258.5	7.5°	7237.1	7220.8	7237.1	7258.5	7280.2	7316.1	7352.4	7405.3	7458.1	7533.4
7175.4	10°	7157.1	7149.7	7157.1	7175.4	7193.7	7228.0	7262.2	7321.9	7380.9	7471.4
7303.6	12.5°	7288.0	7285.3	7288.0	7303.6	7319.2	7357.1	7395.4	7471.7	7548.0	7663.2
7544.6	15°	7524.3	7522.6	7524.3	7544.6	7564.9	7617.8	7671.0	7787.0	7902.9	8067.0
7752.7	17.5°	7726.6	7722.6	7726.6	7752.7	7778.5	7857.5	7936.1	8107.0	8277.9	8495.2
7863.3	20°	7831.1	7820.9	7831.1	7863.3	7895.5	7996.5	8097.2	8306.3	8515.8	8764.0
7854.8	22.5°	7819.2	7803.9	7819.2	7854.8	7890.4	7996.8	8102.9	8318.9	8534.5	8771.8
7721.2	25°	7688.0	7668.3	7688.0	7721.2	7754.8	7846.7	7938.9	8130.1	8321.9	8516.2
7478.5	27.5°	7463.2	7458.1	7463.2	7478.5	7493.7	7555.8	7617.5	7766.3	7915.1	8053.4
7158.1	30°	7158.1	7163.2	7158.1	7158.1	7158.1	7190.0	7221.5	7328.6	7435.1	7540.9
6785.6	32.5°	6788.6	6793.7	6788.6	6785.6	6782.8	6803.5	6824.2	6909.3	6994.4	7091.7
6403.8	35°	6397.1	6393.7	6397.1	6403.8	6410.6	6441.8	6473.3	6551.6	6630.3	6699.1
6030.6	37.5°	6000.4	5983.5	6000.4	6030.6	6060.8	6117.7	6175.0	6247.6	6319.8	6351.6
5679.0	40°	5623.4	5590.2	5623.4	5679.0	5735.3	5818.0	5901.4	5962.8	6024.1	6016.7
5335.6	42.5°	5253.9	5200.4	5253.9	5335.6	5417.3	5520.7	5624.1	5675.7	5727.5	5688.5
5019.0	45°	4923.1	4861.4	4923.1	5019.0	5114.9	5232.9	5351.2	5397.7	5444.4	5388.5
4836.3	47.5°	4747.8	4688.5	4747.8	4836.3	4925.1	5030.2	5135.3	5167.8	5200.4	5136.0
4756.3	50°	4674.2	4617.3	4674.2	4756.3	4838.3	4922.4	5006.5	5007.8	5009.8	4927.1
4709.1	52.5°	4635.9	4583.4	4635.9	4709.1	4782.7	4851.2	4919.7	4902.0	4884.4	4786.4
4654.6	55°	4590.2	4542.7	4590.2	4654.6	4719.0	4778.6	4838.3	4813.9	4789.5	4685.4
4567.8	57.5°	4503.7	4454.5	4503.7	4567.8	4631.5	4691.9	4752.2	4727.4	4702.7	4598.3
4449.1	60°	4383.4	4332.5	4383.4	4449.1	4514.9	4573.5	4632.5	4605.4	4578.3	4473.2
4266.1	62.5°	4196.9	4135.9	4196.9	4266.1	4335.2	4388.4	4441.7	4415.6	4389.5	4293.2
4014.5	65°	3947.7	3895.2	3947.7	4014.5	4081.6	4132.8	4184.0	4157.6	4130.8	4046.0
3733.8	67.5°	3671.4	3624.0	3671.4	3733.8	3796.2	3843.0	3890.1	3864.3	3838.2	3765.0
3439.6	70°	3379.9	3325.7	3379.9	3439.6	3499.2	3537.5	3575.8	3550.8	3525.7	3459.6
3109.4	72.5°	3052.8	3000.2	3052.8	3109.4	3166.3	3198.2	3230.1	3200.2	3170.4	3105.6
2738.8	75°	2691.0	2640.9	2691.0	2738.8	2786.6	2802.2	2817.8	2786.6	2755.4	2696.5
2325.6	77.5°	2277.4	2237.4	2277.4	2325.6	2373.7	2396.1	2417.8	2388.6	2359.5	2297.8
1882.8	80°	1817.8	1742.5	1817.8	1882.8	1947.6	1956.7	1966.2	1927.6	1888.9	1842.2
1404.8	82.5°	1349.9	1301.8	1349.9	1404.8	1459.4	1463.8	1467.9	1402.1	1336.4	1236.0
876.0	85°	833.3	789.9	833.3	876.0	918.7	925.5	932.3	850.9	769.5	675.3
365.4	87.5°	343.1	322.1	343.1	365.4	387.1	396.0	404.1	371.2	338.3	298.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8290.4	2.5°	8341.6	8393.1	8444.3	8495.5	8553.8	8612.5	8677.2	8742.3	8822.7	8894.9
7866.7	5°	7949.4	8031.7	8122.6	8213.5	8316.2	8419.2	8542.3	8665.0	8805.7	8948.1
7609.0	7.5°	7709.7	7810.7	7925.3	8039.5	8175.1	8310.8	8473.8	8637.2	8819.3	9013.5
7561.5	10°	7675.1	7788.7	7912.1	8035.1	8170.7	8306.3	8478.6	8650.8	8846.4	9086.1
7778.5	12.5°	7895.8	8013.4	8109.7	8206.7	8296.2	8386.3	8526.7	8667.7	8849.8	9101.7
8231.1	15°	8333.1	8435.2	8460.3	8485.3	8473.1	8460.9	8528.1	8595.5	8741.3	9020.3
8712.5	17.5°	8794.5	8876.9	8798.6	8719.9	8572.1	8424.3	8399.9	8375.2	8465.0	8793.2
9012.5	20°	9050.8	9088.8	8924.4	8759.9	8503.0	8246.3	8131.1	8015.8	8039.5	8421.6
9009.1	22.5°	8986.4	8963.3	8749.4	8535.5	8241.9	7949.0	7778.5	7608.0	7561.5	7996.5
8710.8	25°	8632.5	8553.8	8343.3	8132.8	7869.0	7605.6	7409.0	7212.4	7086.9	7532.7
8192.1	27.5°	8104.3	8016.8	7848.0	7679.2	7462.9	7246.3	7056.4	6866.6	6714.0	7119.8
7646.3	30°	7575.1	7503.9	7363.6	7223.6	7043.9	6864.2	6713.0	6562.5	6442.8	6783.5
7188.6	32.5°	7109.3	7030.3	6895.7	6761.5	6617.8	6474.4	6385.2	6296.0	6242.8	6517.4
6768.3	35°	6673.3	6578.4	6445.2	6312.3	6203.1	6093.6	6068.9	6044.5	6066.5	6295.4
6383.5	37.5°	6266.2	6148.9	6016.0	5883.5	5805.2	5726.5	5753.6	5780.7	5861.4	6061.4
6008.9	40°	5873.6	5738.7	5610.6	5482.4	5425.8	5369.2	5430.5	5491.9	5615.6	5797.0
5649.5	42.5°	5503.8	5358.0	5236.3	5114.9	5068.5	5022.4	5103.7	5185.1	5341.1	5508.2
5332.6	45°	5181.4	5030.2	4914.9	4799.7	4760.3	4721.7	4800.7	4880.0	5030.9	5200.4
5071.5	47.5°	4922.4	4773.2	4660.7	4547.8	4511.5	4474.9	4541.3	4607.8	4737.6	4956.3
4844.4	50°	4710.8	4577.3	4471.2	4364.7	4307.4	4250.5	4309.1	4368.1	4519.0	4806.4
4688.5	52.5°	4563.7	4439.3	4342.0	4244.4	4158.9	4073.2	4131.1	4189.4	4400.3	4730.8
4581.7	55°	4472.9	4363.7	4258.6	4153.5	4032.1	3910.4	4002.3	4094.5	4412.2	4719.7
4493.5	57.5°	4385.4	4277.6	4154.2	4030.8	3899.9	3769.1	3903.3	4037.6	4424.0	4695.2
4368.1	60°	4258.3	4148.8	4007.1	3865.4	3750.8	3635.8	3810.1	3984.0	4386.7	4565.7
4196.9	62.5°	4079.9	3963.0	3797.6	3632.5	3559.6	3486.7	3704.0	3921.6	4295.2	4317.3
3961.3	65°	3849.4	3737.5	3560.2	3383.3	3355.5	3327.4	3558.9	3790.1	4074.9	4072.1
3691.8	67.5°	3586.0	3479.9	3316.2	3152.8	3161.6	3170.4	3362.9	3555.5	3715.5	3723.0
3393.5	70°	3301.9	3210.4	3066.7	2922.9	2953.4	2983.9	3120.9	3257.9	3310.4	3310.4
3040.9	72.5°	2958.2	2875.5	2762.6	2649.3	2693.7	2738.5	2832.4	2926.3	2925.6	2892.4
2637.5	75°	2562.6	2487.6	2403.6	2319.5	2362.5	2405.3	2477.8	2550.0	2562.9	2409.7
2235.7	77.5°	2171.3	2106.9	2038.8	1970.3	2013.7	2057.1	2115.1	2173.0	2179.8	1927.3
1795.0	80°	1740.8	1686.6	1629.9	1573.0	1609.6	1645.9	1694.7	1743.2	1744.2	1442.5
1135.7	82.5°	1154.7	1173.6	1178.4	1183.1	1208.9	1234.7	1258.4	1282.1	1267.9	1010.2
581.4	85°	633.9	686.5	711.2	735.6	764.5	793.3	818.7	844.1	825.5	633.9
259.3	87.5°	299.7	339.7	340.7	341.7	347.1	352.6	362.7	372.9	349.2	269.5
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):

325°		330°	335°	340°	345°	350°	355°	360°
8834.5	0°	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5	8834.5
8969.4	2.5°	9044.0	9122.0	9200.0	9277.3	9354.9	9427.8	9500.7
9098.9	5°	9249.8	9411.2	9572.9	9733.2	9893.9	10054.9	10216.0
9224.0	7.5°	9434.6	9673.6	9912.6	10158.0	10403.4	10668.9	10934.7
9335.6	10°	9584.4	9874.9	10165.1	10489.2	10813.6	11149.6	11485.5
9383.4	12.5°	9665.1	10007.5	10349.9	10717.4	11084.8	11453.7	11822.9
9346.4	15°	9672.5	10066.8	10461.1	10859.7	11258.4	11643.2	12028.0
9185.4	17.5°	9577.6	10035.3	10492.9	10927.9	11362.8	11753.0	12143.2
8907.7	20°	9393.9	9948.5	10503.1	10981.1	11459.1	11864.9	12270.3
8582.0	22.5°	9167.4	9842.0	10516.7	11053.0	11588.9	12003.6	12417.8
8218.2	25°	8904.0	9737.0	10570.2	11183.2	11795.7	12201.5	12607.7
7885.6	27.5°	8651.5	9666.8	10682.1	11386.6	12090.7	12478.2	12865.3
7607.7	30°	8431.8	9633.9	10835.3	11650.0	12464.6	12838.5	13212.8
7368.0	32.5°	8218.2	9593.2	10967.5	11924.9	12882.3	13252.5	13623.0
7132.4	35°	7969.4	9516.6	11064.5	12238.1	13411.8	13766.7	14121.3
6855.1	37.5°	7648.7	9385.4	11122.1	12589.0	14055.9	14508.1	14960.4
6524.2	40°	7251.4	9204.7	11158.4	13034.5	14910.2	15569.2	16228.3
6159.1	42.5°	6810.0	9018.3	11227.2	13617.2	16007.2	16958.5	17909.7
5771.3	45°	6342.1	8845.0	11348.3	14384.1	17419.9	18703.0	19986.1
5464.4	47.5°	5972.6	8702.0	11431.3	15201.1	18970.8	20777.0	22582.9
5260.7	50°	5715.0	8546.0	11377.1	15959.1	20541.1	23264.0	25986.6
5126.5	52.5°	5522.4	8282.6	11043.1	16451.3	21859.2	25876.4	29893.6
5029.2	55°	5338.7	7846.0	10353.3	16342.8	22332.1	28192.5	34053.2
4913.9	57.5°	5132.6	7230.3	9327.8	15579.4	21831.4	29833.9	37836.5
4737.6	60°	4909.5	6431.0	7952.4	14158.6	20364.8	30244.1	40123.1
4431.2	62.5°	4545.4	5474.3	6403.2	12237.5	18071.8	28516.9	38962.0
4126.1	65°	4180.0	4613.5	5047.1	10277.3	15507.9	26073.0	36638.2
3693.1	67.5°	3663.0	3786.4	3909.4	8357.2	12805.0	23164.7	33524.4
3171.1	70°	3031.4	2996.5	2961.2	6580.1	10199.0	19991.2	29783.4
2694.8	72.5°	2496.8	2390.3	2284.2	5030.5	7776.8	16551.0	25325.5
2187.9	75°	1966.2	1870.0	1773.7	3651.1	5528.5	12607.3	19686.1
1712.0	77.5°	1496.7	1430.9	1365.5	2474.1	3582.6	8824.0	14065.4
1260.4	80°	1078.0	1050.9	1023.8	1594.0	2164.6	5685.1	9205.7
876.0	82.5°	741.7	736.3	731.6	980.4	1229.9	3290.4	5351.2
535.6	85°	437.3	440.0	442.4	524.1	606.1	1480.1	2354.4
229.2	87.5°	189.2	191.5	193.9	217.3	240.7	484.8	728.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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