

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: P956117

Luminaire Tested: **GALN-SB8D-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956117
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-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 78426 lumens
Efficiency: N/A
Efficacy: 134.1 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

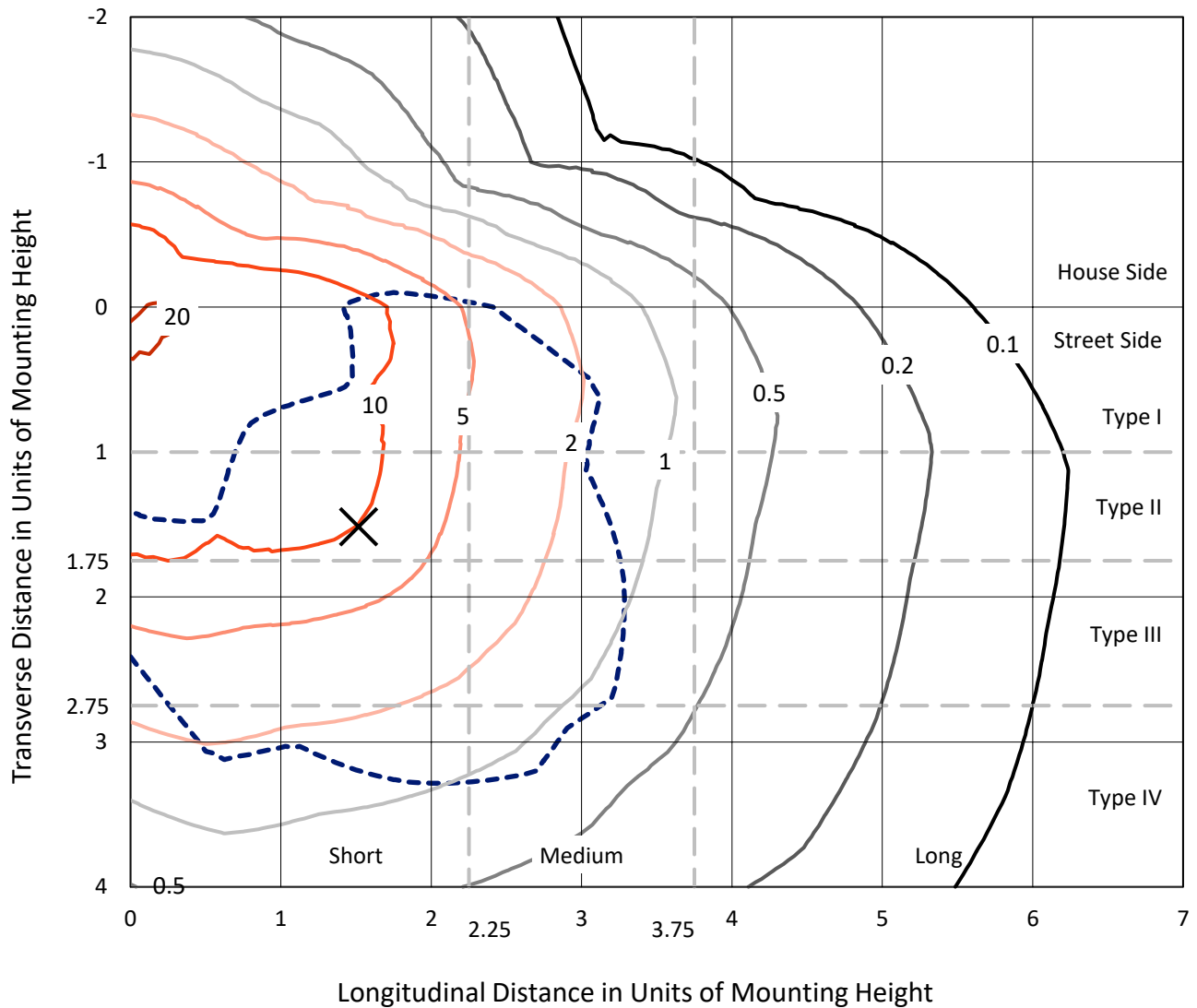
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

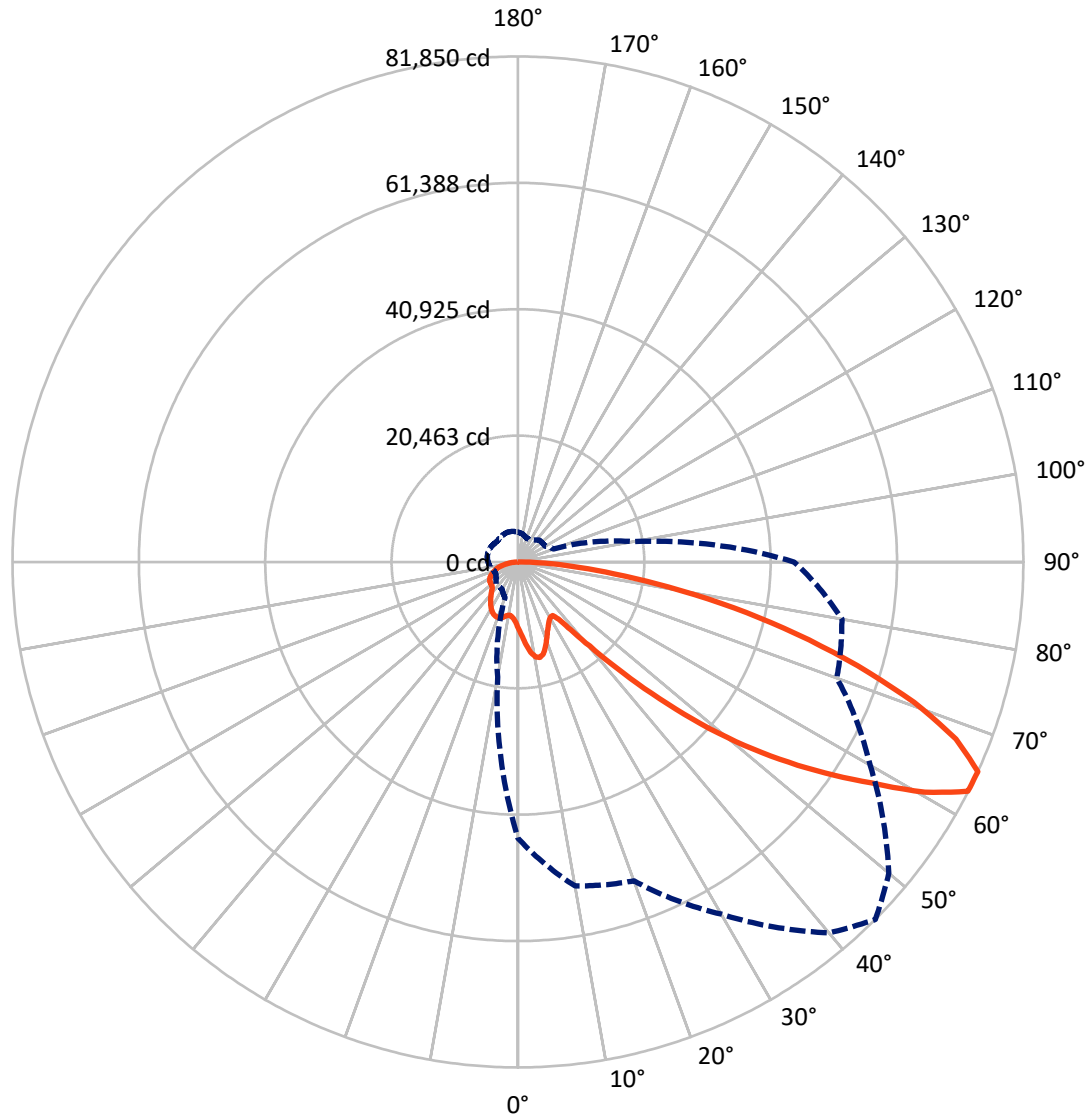
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 23.9 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	19931.9	0.0	19931.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	58494.1	0.0	58494.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	78426.0	0.0	78426.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1069.8	1.4
10°-20°	3358.3	4.3
20°-30°	5187.4	6.6
30°-40°	6573.7	8.4
40°-50°	9914.9	12.6
50°-60°	16018.9	20.4
60°-70°	19970.1	25.5
70°-80°	13095.4	16.7
80°-90°	3237.5	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°	78426.0	100.0
0°-180°	78426.0	100.0



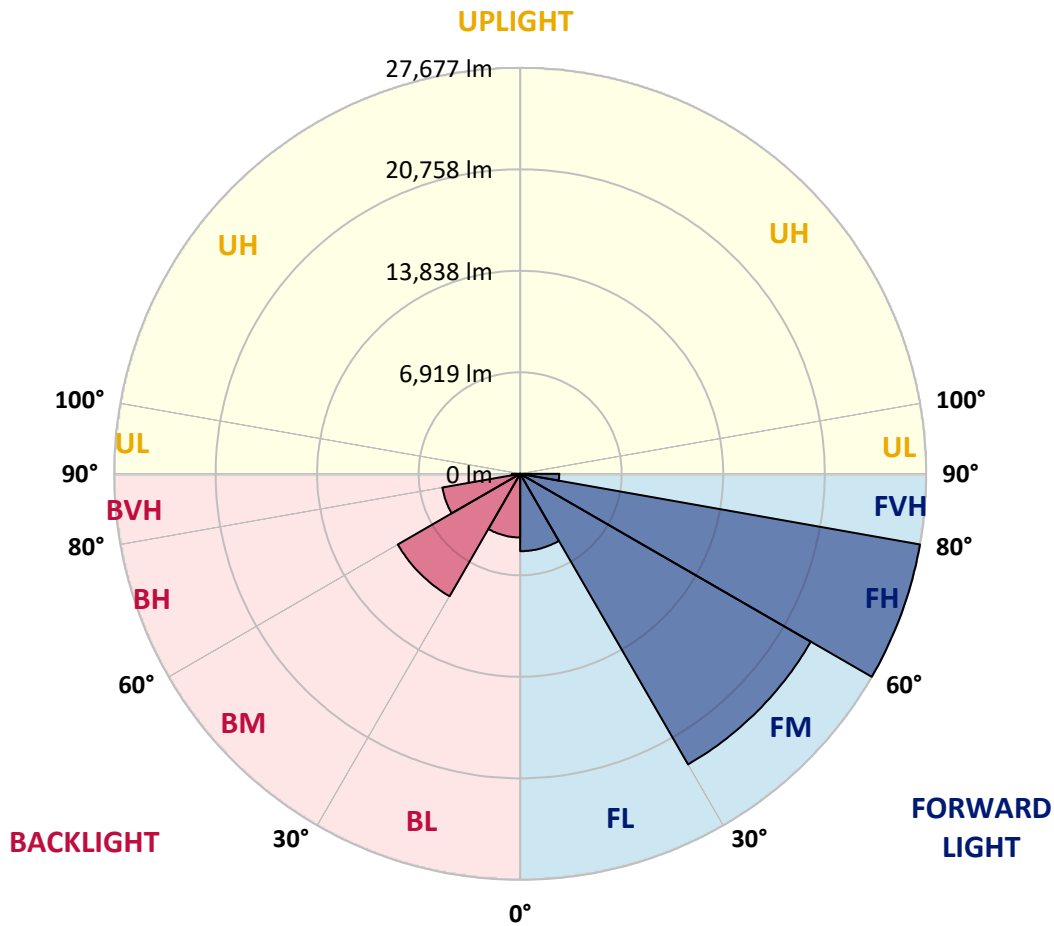
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5275.1	6.7			
FM	(30°-60°)	22875.2	29.2			
FH	(60°-80°)	27676.9	35.3			G5
FVH	(80°-90°)	2667.0	3.4			G5
BL	(0°-30°)	4340.4	5.5	B4/5000		
BM	(30°-60°)	9632.3	12.3	B5		
BH	(60°-80°)	5388.7	6.9	B5		G5
BVH	(80°-90°)	570.5	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°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
2.5°	11597.4	11641.3	11685.6	11748.0	11810.5	11847.8	11885.0	11903.6	11922.3	11914.0
5°	12470.6	12624.1	12778.1	12930.3	13083.0	13165.8	13248.6	13298.6	13349.1	13387.2
7.5°	13347.9	13597.8	13847.4	14072.1	14296.8	14432.1	14567.4	14640.7	14713.5	14748.7
10°	14020.4	14315.8	14611.3	14874.9	15138.5	15298.2	15457.1	15528.3	15599.1	15626.0
12.5°	14432.1	14752.4	15072.3	15310.7	15548.2	15664.1	15779.9	15818.8	15857.7	15861.9
15°	14682.5	14958.9	15234.9	15384.3	15534.1	15538.3	15542.4	15501.0	15459.6	15410.8
17.5°	14823.2	15009.8	15196.4	15199.3	15201.8	15034.2	14866.6	14713.1	14559.2	14450.7
20°	14978.4	15043.3	15108.7	14912.1	14715.6	14345.6	13975.7	13706.3	13436.9	13271.3
22.5°	15158.4	15073.1	14987.9	14580.7	14173.5	13629.3	13085.1	12748.3	12411.4	12228.5
25°	15390.1	15121.1	14852.1	14233.9	13615.6	12954.8	12293.9	11939.6	11586.2	11413.3
27.5°	15704.6	15223.8	14742.5	13923.5	13105.0	12372.5	11640.0	11291.6	10943.6	10780.1
30°	16128.8	15411.6	14694.9	13686.8	12678.7	11915.6	11152.6	10829.4	10506.2	10353.9
32.5°	16629.5	15647.5	14665.9	13525.4	12384.9	11667.8	10950.6	10696.9	10442.8	10333.2
35°	17237.8	16036.1	14834.8	13646.3	12458.2	11959.9	11462.1	11402.9	11343.7	11334.6
37.5°	18262.0	16848.4	15434.8	14354.7	13274.6	13242.4	13210.1	13480.7	13751.4	13892.1
40°	19809.7	18272.4	16735.0	15931.8	15128.6	15695.5	16262.5	16920.4	17578.4	17906.2
42.5°	21862.3	20337.0	18811.6	18349.0	17886.3	19122.8	20359.3	21556.1	22752.9	23455.5
45°	24397.0	23026.8	21656.2	21452.2	21247.8	23228.8	25210.2	27176.6	29143.5	30337.4
47.5°	27566.9	26234.0	24900.6	24859.2	24817.8	27675.7	30532.8	33411.7	36290.3	37980.8
50°	31721.7	30075.1	28428.9	28435.9	28442.9	32126.0	35809.0	39609.2	43409.3	45706.8
52.5°	36491.0	34497.2	32503.8	32302.3	32100.3	36499.7	40899.0	45600.9	50302.4	53056.4
55°	41568.6	39598.8	37629.0	36843.2	36057.3	40953.7	45849.6	51454.9	57060.1	60335.5
57.5°	46186.9	45114.3	44041.2	42465.0	40889.1	45833.1	50777.0	57125.9	63474.4	67536.1
60°	48978.1	50644.2	52310.6	50353.3	48395.9	53074.6	57753.3	64550.7	71348.2	75738.0
62.5°	47560.8	52113.3	56665.7	56445.2	56224.2	60510.2	64796.5	71263.8	77730.6	81788.2
65°	44724.0	48996.7	53269.5	54114.9	54960.0	60406.7	65853.9	72125.0	78395.6	81850.2
67.5°	40923.0	44986.8	49050.5	49447.0	49843.0	55518.2	61193.0	67491.0	73788.9	76495.3
70°	36356.5	40776.6	45197.0	45374.1	45551.7	50626.8	55701.5	61121.4	66540.8	68045.1
72.5°	30914.7	35987.0	41059.6	41187.1	41314.1	45284.7	49255.4	53314.6	57373.4	57525.7
75°	24030.8	29280.5	34530.3	35001.6	35473.0	38562.2	41651.4	44508.8	47366.3	46600.7
77.5°	17169.6	22070.1	26971.0	27645.5	28320.0	30668.5	33016.9	35043.4	37070.3	35754.4
80°	11237.4	15360.3	19482.8	20321.2	21159.6	22933.3	24706.1	25770.5	26834.4	24717.7
82.5°	6532.2	9350.8	12169.7	13106.2	14043.1	15263.9	16484.7	16928.7	17372.3	15708.8
85°	2874.0	4370.0	5866.0	6662.6	7459.2	8462.3	9465.0	9717.0	9969.0	8636.5
87.5°	889.7	1392.5	1895.3	2339.8	2784.2	3285.8	3787.3	3808.8	3829.9	3215.4
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°
10784.3	0°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
11922.3	2.5°	11903.6	11885.0	11847.8	11810.5	11748.0	11685.6	11641.3	11597.4	11508.4	11419.5
13349.1	5°	13298.6	13248.6	13165.8	13083.0	12930.3	12778.1	12624.1	12470.6	12274.0	12077.5
14713.5	7.5°	14640.7	14567.4	14432.1	14296.8	14072.1	13847.4	13597.8	13347.9	13023.5	12699.4
15599.1	10°	15528.3	15457.1	15298.2	15138.5	14874.9	14611.3	14315.8	14020.4	13610.3	13200.2
15857.7	12.5°	15818.8	15779.9	15664.1	15548.2	15310.7	15072.3	14752.4	14432.1	13981.5	13531.2
15459.6	15°	15501.0	15542.4	15538.3	15534.1	15384.3	15234.9	14958.9	14682.5	14212.8	13743.1
14559.2	17.5°	14713.1	14866.6	15034.2	15201.8	15199.3	15196.4	15009.8	14823.2	14346.9	13870.5
13436.9	20°	13706.3	13975.7	14345.6	14715.6	14912.1	15108.7	15043.3	14978.4	14483.4	13988.1
12411.4	22.5°	12748.3	13085.1	13629.3	14173.5	14580.7	14987.9	15073.1	15158.4	14652.7	14146.6
11586.2	25°	11939.6	12293.9	12954.8	13615.6	14233.9	14852.1	15121.1	15390.1	14894.3	14399.0
10943.6	27.5°	11291.6	11640.0	12372.5	13105.0	13923.5	14742.5	15223.8	15704.6	15232.0	14759.0
10506.2	30°	10829.4	11152.6	11915.6	12678.7	13686.8	14694.9	15411.6	16128.8	15671.9	15215.5
10442.8	32.5°	10696.9	10950.6	11667.8	12384.9	13525.4	14665.9	15647.5	16629.5	16177.2	15725.3
11343.7	35°	11402.9	11462.1	11959.9	12458.2	13646.3	14834.8	16036.1	17237.8	16805.0	16371.7
13751.4	37.5°	13480.7	13210.1	13242.4	13274.6	14354.7	15434.8	16848.4	18262.0	17710.0	17158.0
17578.4	40°	16920.4	16262.5	15695.5	15128.6	15931.8	16735.0	18272.4	19809.7	19005.3	18200.8
22752.9	42.5°	21556.1	20359.3	19122.8	17886.3	18349.0	18811.6	20337.0	21862.3	20701.1	19539.9
29143.5	45°	27176.6	25210.2	23228.8	21247.8	21452.2	21656.2	23026.8	24397.0	22830.7	21264.3
36290.3	47.5°	33411.7	30532.8	27675.7	24817.8	24859.2	24900.6	26234.0	27566.9	25362.4	23157.6
43409.3	50°	39609.2	35809.0	32126.0	28442.9	28435.9	28428.9	30075.1	31721.7	28398.3	25074.4
50302.4	52.5°	45600.9	40899.0	36499.7	32100.3	32302.3	32503.8	34497.2	36491.0	31587.2	26683.4
57060.1	55°	51454.9	45849.6	40953.7	36057.3	36843.2	37629.0	39598.8	41568.6	34414.4	27260.6
63474.4	57.5°	57125.9	50777.0	45833.1	40889.1	42465.0	44041.2	45114.3	46186.9	36418.2	26649.4
71348.2	60°	64550.7	57753.3	53074.6	48395.9	50353.3	52310.6	50644.2	48978.1	36918.9	24859.2
77730.6	62.5°	71263.8	64796.5	60510.2	56224.2	56445.2	56665.7	52113.3	47560.8	34810.5	22060.1
78395.6	65°	72125.0	65853.9	60406.7	54960.0	54114.9	53269.5	48996.7	44724.0	31827.2	18930.4
73788.9	67.5°	67491.0	61193.0	55518.2	49843.0	49447.0	49050.5	44986.8	40923.0	28277.0	15631.0
66540.8	70°	61121.4	55701.5	50626.8	45551.7	45374.1	45197.0	40776.6	36356.5	24403.2	12449.9
57373.4	72.5°	53314.6	49255.4	45284.7	41314.1	41187.1	41059.6	35987.0	30914.7	20203.7	9493.1
47366.3	75°	44508.8	41651.4	38562.2	35473.0	35001.6	34530.3	29280.5	24030.8	15389.7	6748.6
37070.3	77.5°	35043.4	33016.9	30668.5	28320.0	27645.5	26971.0	22070.1	17169.6	10771.4	4373.3
26834.4	80°	25770.5	24706.1	22933.3	21159.6	20321.2	19482.8	15360.3	11237.4	6939.8	2642.3
17372.3	82.5°	16928.7	16484.7	15263.9	14043.1	13106.2	12169.7	9350.8	6532.2	4016.6	1501.4
9969.0	85°	9717.0	9465.0	8462.3	7459.2	6662.6	5866.0	4370.0	2874.0	1806.8	739.9
3829.9	87.5°	3808.8	3787.3	3285.8	2784.2	2339.8	1895.3	1392.5	889.7	591.8	293.8
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°
10784.3	0°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
11324.7	2.5°	11230.4	11135.2	11040.0	10949.0	10857.9	10769.8	10671.7	10592.2	10513.2	10441.6
11881.3	5°	11685.6	11488.2	11291.2	11107.0	10922.9	10749.1	10577.3	10427.5	10277.3	10151.5
12399.8	7.5°	12100.2	11808.5	11516.7	11259.7	11002.7	10765.6	10543.4	10343.9	10144.9	9979.4
12804.1	10°	12408.5	12054.3	11699.6	11395.9	11091.3	10798.7	10560.0	10349.7	10139.5	9974.0
13082.6	12.5°	12634.0	12216.1	11798.1	11454.2	11110.3	10802.9	10580.6	10408.5	10237.2	10127.1
13256.4	15°	12769.8	12288.5	11807.2	11409.1	11011.0	10670.4	10492.5	10410.2	10328.2	10343.1
13339.6	17.5°	12808.7	12250.0	11691.4	11212.6	10733.8	10333.2	10223.5	10253.7	10283.5	10464.0
13404.6	20°	12821.1	12144.1	11467.1	10873.6	10280.2	9813.8	9784.9	9925.6	10066.3	10379.5
13492.3	22.5°	12837.6	12014.1	11190.6	10476.0	9761.3	9230.3	9287.0	9495.2	9703.3	10060.9
13651.2	25°	12903.0	11885.8	10869.1	10031.9	9195.2	8651.0	8804.1	9044.1	9284.1	9605.7
13899.5	27.5°	13039.6	11800.2	10560.8	9626.0	8691.1	8195.8	8382.0	8613.7	8845.5	9109.9
14221.1	30°	13226.6	11760.0	10292.6	9286.6	8280.6	7864.7	8010.8	8194.5	8379.1	8598.4
14556.7	32.5°	13388.0	11710.4	10031.9	8994.0	7955.8	7620.6	7685.5	7794.4	7903.2	8078.3
14939.0	35°	13506.4	11616.9	9728.2	8706.4	7684.7	7405.4	7378.5	7408.3	7438.5	7572.1
15367.3	37.5°	13576.7	11456.7	9336.7	8367.9	7399.2	7155.0	7056.5	7023.4	6990.3	7086.3
15911.1	40°	13621.0	11236.1	8851.7	7964.0	7076.4	6855.0	6703.9	6629.0	6554.1	6623.3
16622.5	42.5°	13705.0	11008.5	8312.9	7518.4	6723.8	6519.8	6329.4	6230.1	6130.8	6187.1
17558.5	45°	13852.8	10797.1	7741.8	7044.9	6348.1	6141.1	5957.0	5860.2	5763.7	5810.9
18555.9	47.5°	13954.1	10622.4	7290.7	6670.4	6050.1	5783.2	5624.7	5543.6	5462.5	5507.2
19481.2	50°	13887.9	10432.1	6976.2	6421.7	5867.2	5516.3	5332.1	5260.1	5188.5	5258.0
20082.0	52.5°	13480.3	10110.5	6741.2	6257.8	5774.9	5371.4	5114.0	5042.9	4972.1	5076.8
19949.6	55°	12638.2	9577.5	6516.9	6139.1	5761.3	5385.9	4998.2	4885.6	4773.5	4922.0
19017.7	57.5°	11386.4	8826.0	6265.3	5998.4	5731.5	5400.4	4928.6	4764.8	4600.9	4760.6
17283.4	60°	9707.5	7850.2	5993.0	5783.2	5573.4	5354.9	4863.3	4651.0	4438.3	4578.5
14938.2	62.5°	7816.3	6682.4	5548.6	5409.1	5270.0	5243.1	4787.1	4521.4	4256.2	4345.2
12545.5	65°	6161.0	5631.7	5102.4	5036.7	4970.9	4974.2	4626.6	4344.3	4061.7	4096.0
10201.6	67.5°	4772.2	4622.0	4471.4	4508.2	4544.6	4535.5	4340.2	4105.1	3870.1	3859.3
8032.3	70°	3614.8	3657.8	3700.4	3870.9	4041.0	4041.0	3976.8	3809.7	3642.5	3605.2
6140.7	72.5°	2788.3	2917.9	3047.8	3289.5	3530.7	3571.3	3572.1	3457.5	3342.9	3288.2
4456.9	75°	2165.1	2282.7	2400.2	2670.8	2941.5	3128.5	3112.8	3024.6	2936.1	2883.9
3020.1	77.5°	1666.9	1746.8	1827.0	2089.8	2352.6	2660.9	2652.6	2581.8	2511.1	2458.1
1945.8	80°	1249.7	1282.9	1316.0	1538.6	1760.8	2129.1	2127.9	2068.7	2009.1	1964.8
1196.8	82.5°	893.0	898.8	905.4	1069.3	1233.2	1547.7	1565.1	1536.1	1507.1	1475.7
639.8	85°	540.0	537.1	533.8	653.8	773.9	1007.7	1030.4	999.4	968.3	933.2
265.3	87.5°	236.7	233.8	230.9	279.7	329.0	426.2	455.2	442.8	430.4	423.8
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
10784.3	0°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
10370.4	2.5°	10307.9	10245.5	10182.6	10120.1	10071.6	10022.8	9983.5	9944.2	9913.6	9882.9
10026.1	5°	9915.2	9804.3	9703.8	9602.8	9525.4	9447.6	9393.4	9339.2	9300.7	9262.2
9813.8	7.5°	9674.4	9534.5	9411.2	9288.3	9196.0	9104.1	9039.6	8975.0	8930.7	8886.9
9808.5	10°	9658.2	9507.6	9369.0	9230.3	9120.3	9009.8	8937.8	8864.9	8823.1	8781.3
10017.8	12.5°	9899.5	9782.0	9638.4	9495.2	9354.5	9213.8	9120.7	9027.6	8980.8	8934.5
10358.0	15°	10327.4	10296.8	10172.2	10047.6	9847.4	9647.1	9505.5	9364.0	9299.0	9234.5
10644.4	17.5°	10740.4	10836.0	10735.4	10635.3	10370.0	10104.8	9896.2	9687.6	9591.6	9495.2
10693.2	20°	10893.9	11094.6	11048.3	11001.5	10698.2	10395.3	10139.5	9884.2	9761.3	9638.0
10419.3	22.5°	10680.4	10941.5	10969.6	10997.4	10707.7	10418.0	10154.8	9891.2	9761.7	9631.8
9927.6	25°	10184.6	10441.6	10537.6	10633.2	10395.7	10158.5	9924.3	9690.9	9578.4	9466.2
9373.9	27.5°	9580.0	9786.1	9892.9	10000.1	9830.8	9662.0	9480.3	9298.6	9223.3	9147.6
8817.8	30°	8988.7	9160.0	9246.9	9333.8	9205.1	9076.0	8946.0	8815.3	8776.8	8737.9
8253.7	32.5°	8417.6	8581.9	8678.3	8775.1	8656.8	8538.0	8434.1	8330.3	8305.0	8279.8
7705.4	35°	7867.6	8030.3	8146.1	8262.0	8177.6	8093.6	7997.6	7902.0	7863.5	7825.4
7181.9	37.5°	7343.7	7505.9	7649.1	7792.3	7753.4	7714.5	7626.4	7537.8	7467.9	7398.3
6692.4	40°	6848.8	7005.2	7169.9	7335.0	7344.5	7353.7	7278.7	7203.8	7102.0	7001.1
6243.8	42.5°	6391.9	6540.5	6718.4	6896.4	6944.0	6991.6	6928.2	6865.3	6739.1	6612.9
5858.9	45°	5999.6	6140.3	6324.9	6509.4	6577.7	6646.0	6588.9	6532.2	6387.8	6243.8
5551.4	47.5°	5689.3	5826.6	6008.7	6190.8	6269.4	6348.1	6308.3	6268.6	6140.3	6012.0
5328.0	50°	5457.9	5587.5	5750.5	5913.5	6014.5	6115.5	6113.0	6111.4	6008.7	5906.1
5181.1	52.5°	5300.3	5419.0	5570.9	5723.2	5842.8	5962.4	5983.9	6005.4	5921.8	5838.2
5070.2	55°	5198.5	5326.7	5460.0	5592.8	5719.5	5846.5	5876.3	5906.1	5833.3	5760.4
4920.4	57.5°	5071.0	5221.6	5353.2	5485.2	5613.1	5740.6	5770.8	5801.0	5727.3	5653.7
4718.4	60°	4891.4	5064.4	5198.0	5332.1	5460.4	5588.7	5621.8	5654.9	5582.9	5511.3
4434.1	62.5°	4635.7	4837.6	4980.4	5123.1	5240.7	5358.2	5390.1	5421.9	5357.0	5292.0
4130.0	65°	4346.0	4562.4	4699.0	4835.5	4939.0	5042.4	5075.1	5107.4	5044.9	4982.4
3848.6	67.5°	4048.0	4247.9	4377.4	4506.5	4595.9	4685.3	4717.2	4748.6	4691.1	4634.0
3568.0	70°	3743.5	3918.9	4030.6	4142.4	4223.1	4303.8	4334.4	4365.0	4318.3	4271.5
3234.0	72.5°	3372.3	3510.1	3611.0	3712.0	3791.0	3870.1	3906.5	3942.9	3904.0	3865.1
2831.4	75°	2934.0	3036.6	3128.1	3219.5	3291.6	3363.6	3401.6	3439.7	3420.7	3401.6
2405.1	77.5°	2488.7	2571.9	2650.5	2729.2	2804.9	2880.2	2915.8	2951.4	2924.9	2897.6
1920.1	80°	1989.7	2058.8	2125.0	2191.2	2248.7	2305.8	2353.0	2400.2	2388.6	2377.4
1444.2	82.5°	1438.5	1432.7	1409.5	1386.3	1508.8	1631.3	1711.6	1791.9	1786.9	1781.5
898.0	85°	868.2	838.0	773.9	709.7	824.3	939.4	1038.7	1138.0	1129.7	1121.5
417.1	87.5°	415.9	414.7	365.8	316.6	364.6	413.0	453.1	493.3	483.3	472.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
10784.3	0°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
9854.8	2.5°	9826.2	9791.1	9826.2	9854.8	9882.9	9913.6	9944.2	9983.5	10022.8	10071.6
9232.8	5°	9203.4	9174.5	9203.4	9232.8	9262.2	9300.7	9339.2	9393.4	9447.6	9525.4
8860.4	7.5°	8834.3	8814.4	8834.3	8860.4	8886.9	8930.7	8975.0	9039.6	9104.1	9196.0
8759.0	10°	8736.6	8727.5	8736.6	8759.0	8781.3	8823.1	8864.9	8937.8	9009.8	9120.3
8915.4	12.5°	8896.4	8893.1	8896.4	8915.4	8934.5	8980.8	9027.6	9120.7	9213.8	9354.5
9209.7	15°	9184.8	9182.8	9184.8	9209.7	9234.5	9299.0	9364.0	9505.5	9647.1	9847.4
9463.7	17.5°	9431.9	9426.9	9431.9	9463.7	9495.2	9591.6	9687.6	9896.2	10104.8	10370.0
9598.6	20°	9559.3	9546.9	9559.3	9598.6	9638.0	9761.3	9884.2	10139.5	10395.3	10698.2
9588.3	22.5°	9544.8	9526.2	9544.8	9588.3	9631.8	9761.7	9891.2	10154.8	10418.0	10707.7
9425.3	25°	9384.7	9360.7	9384.7	9425.3	9466.2	9578.4	9690.9	9924.3	10158.5	10395.7
9129.0	27.5°	9110.3	9104.1	9110.3	9129.0	9147.6	9223.3	9298.6	9480.3	9662.0	9830.8
8737.9	30°	8737.9	8744.1	8737.9	8737.9	8737.9	8776.8	8815.3	8946.0	9076.0	9205.1
8283.1	32.5°	8286.8	8293.0	8286.8	8283.1	8279.8	8305.0	8330.3	8434.1	8538.0	8656.8
7817.1	35°	7808.9	7804.7	7808.9	7817.1	7825.4	7863.5	7902.0	7997.6	8093.6	8177.6
7361.5	37.5°	7324.7	7304.0	7324.7	7361.5	7398.3	7467.9	7537.8	7626.4	7714.5	7753.4
6932.4	40°	6864.5	6824.0	6864.5	6932.4	7001.1	7102.0	7203.8	7278.7	7353.7	7344.5
6513.2	42.5°	6413.4	6348.1	6413.4	6513.2	6612.9	6739.1	6865.3	6928.2	6991.6	6944.0
6126.7	45°	6009.6	5934.2	6009.6	6126.7	6243.8	6387.8	6532.2	6588.9	6646.0	6577.7
5903.6	47.5°	5795.6	5723.2	5795.6	5903.6	6012.0	6140.3	6268.6	6308.3	6348.1	6269.4
5805.9	50°	5705.8	5636.3	5705.8	5805.9	5906.1	6008.7	6111.4	6113.0	6115.5	6014.5
5748.4	52.5°	5659.0	5594.9	5659.0	5748.4	5838.2	5921.8	6005.4	5983.9	5962.4	5842.8
5681.8	55°	5603.2	5545.2	5603.2	5681.8	5760.4	5833.3	5906.1	5876.3	5846.5	5719.5
5575.9	57.5°	5497.7	5437.6	5497.7	5575.9	5653.7	5727.3	5801.0	5770.8	5740.6	5613.1
5431.0	60°	5350.7	5288.7	5350.7	5431.0	5511.3	5582.9	5654.9	5621.8	5588.7	5460.4
5207.6	62.5°	5123.1	5048.7	5123.1	5207.6	5292.0	5357.0	5421.9	5390.1	5358.2	5240.7
4900.5	65°	4819.0	4754.8	4819.0	4900.5	4982.4	5044.9	5107.4	5075.1	5042.4	4939.0
4557.9	67.5°	4481.7	4423.8	4481.7	4557.9	4634.0	4691.1	4748.6	4717.2	4685.3	4595.9
4198.7	70°	4125.8	4059.6	4125.8	4198.7	4271.5	4318.3	4365.0	4334.4	4303.8	4223.1
3795.6	72.5°	3726.5	3662.3	3726.5	3795.6	3865.1	3904.0	3942.9	3906.5	3870.1	3791.0
3343.3	75°	3284.9	3223.7	3284.9	3343.3	3401.6	3420.7	3439.7	3401.6	3363.6	3291.6
2838.8	77.5°	2780.1	2731.2	2780.1	2838.8	2897.6	2924.9	2951.4	2915.8	2880.2	2804.9
2298.4	80°	2218.9	2127.1	2218.9	2298.4	2377.4	2388.6	2400.2	2353.0	2305.8	2248.7
1714.9	82.5°	1647.8	1589.1	1647.8	1714.9	1781.5	1786.9	1791.9	1711.6	1631.3	1508.8
1069.3	85°	1017.2	964.2	1017.2	1069.3	1121.5	1129.7	1138.0	1038.7	939.4	824.3
446.1	87.5°	418.8	393.1	418.8	446.1	472.6	483.3	493.3	453.1	413.0	364.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
10784.3	0°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
10120.1	2.5°	10182.6	10245.5	10307.9	10370.4	10441.6	10513.2	10592.2	10671.7	10769.8	10857.9
9602.8	5°	9703.8	9804.3	9915.2	10026.1	10151.5	10277.3	10427.5	10577.3	10749.1	10922.9
9288.3	7.5°	9411.2	9534.5	9674.4	9813.8	9979.4	10144.9	10343.9	10543.4	10765.6	11002.7
9230.3	10°	9369.0	9507.6	9658.2	9808.5	9974.0	10139.5	10349.7	10560.0	10798.7	11091.3
9495.2	12.5°	9638.4	9782.0	9899.5	10017.8	10127.1	10237.2	10408.5	10580.6	10802.9	11110.3
10047.6	15°	10172.2	10296.8	10327.4	10358.0	10343.1	10328.2	10410.2	10492.5	10670.4	11011.0
10635.3	17.5°	10735.4	10836.0	10740.4	10644.4	10464.0	10283.5	10253.7	10223.5	10333.2	10733.8
11001.5	20°	11048.3	11094.6	10893.9	10693.2	10379.5	10066.3	9925.6	9784.9	9813.8	10280.2
10997.4	22.5°	10969.6	10941.5	10680.4	10419.3	10060.9	9703.3	9495.2	9287.0	9230.3	9761.3
10633.2	25°	10537.6	10441.6	10184.6	9927.6	9605.7	9284.1	9044.1	8804.1	8651.0	9195.2
10000.1	27.5°	9892.9	9786.1	9580.0	9373.9	9109.9	8845.5	8613.7	8382.0	8195.8	8691.1
9333.8	30°	9246.9	9160.0	8988.7	8817.8	8598.4	8379.1	8194.5	8010.8	7864.7	8280.6
8775.1	32.5°	8678.3	8581.9	8417.6	8253.7	8078.3	7903.2	7794.4	7685.5	7620.6	7955.8
8262.0	35°	8146.1	8030.3	7867.6	7705.4	7572.1	7438.5	7408.3	7378.5	7405.4	7684.7
7792.3	37.5°	7649.1	7505.9	7343.7	7181.9	7086.3	6990.3	7023.4	7056.5	7155.0	7399.2
7335.0	40°	7169.9	7005.2	6848.8	6692.4	6623.3	6554.1	6629.0	6703.9	6855.0	7076.4
6896.4	42.5°	6718.4	6540.5	6391.9	6243.8	6187.1	6130.8	6230.1	6329.4	6519.8	6723.8
6509.4	45°	6324.9	6140.3	5999.6	5858.9	5810.9	5763.7	5860.2	5957.0	6141.1	6348.1
6190.8	47.5°	6008.7	5826.6	5689.3	5551.4	5507.2	5462.5	5543.6	5624.7	5783.2	6050.1
5913.5	50°	5750.5	5587.5	5457.9	5328.0	5258.0	5188.5	5260.1	5332.1	5516.3	5867.2
5723.2	52.5°	5570.9	5419.0	5300.3	5181.1	5076.8	4972.1	5042.9	5114.0	5371.4	5774.9
5592.8	55°	5460.0	5326.7	5198.5	5070.2	4922.0	4773.5	4885.6	4998.2	5385.9	5761.3
5485.2	57.5°	5353.2	5221.6	5071.0	4920.4	4760.6	4600.9	4764.8	4928.6	5400.4	5731.5
5332.1	60°	5198.0	5064.4	4891.4	4718.4	4578.5	4438.3	4651.0	4863.3	5354.9	5573.4
5123.1	62.5°	4980.4	4837.6	4635.7	4434.1	4345.2	4256.2	4521.4	4787.1	5243.1	5270.0
4835.5	65°	4699.0	4562.4	4346.0	4130.0	4096.0	4061.7	4344.3	4626.6	4974.2	4970.9
4506.5	67.5°	4377.4	4247.9	4048.0	3848.6	3859.3	3870.1	4105.1	4340.2	4535.5	4544.6
4142.4	70°	4030.6	3918.9	3743.5	3568.0	3605.2	3642.5	3809.7	3976.8	4041.0	4041.0
3712.0	72.5°	3611.0	3510.1	3372.3	3234.0	3288.2	3342.9	3457.5	3572.1	3571.3	3530.7
3219.5	75°	3128.1	3036.6	2934.0	2831.4	2883.9	2936.1	3024.6	3112.8	3128.5	2941.5
2729.2	77.5°	2650.5	2571.9	2488.7	2405.1	2458.1	2511.1	2581.8	2652.6	2660.9	2352.6
2191.2	80°	2125.0	2058.8	1989.7	1920.1	1964.8	2009.1	2068.7	2127.9	2129.1	1760.8
1386.3	82.5°	1409.5	1432.7	1438.5	1444.2	1475.7	1507.1	1536.1	1565.1	1547.7	1233.2
709.7	85°	773.9	838.0	868.2	898.0	933.2	968.3	999.4	1030.4	1007.7	773.9
316.6	87.5°	365.8	414.7	415.9	417.1	423.8	430.4	442.8	455.2	426.2	329.0
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):

325°		330°	335°	340°	345°	350°	355°	360°
10784.3	0°	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3	10784.3
10949.0	2.5°	11040.0	11135.2	11230.4	11324.7	11419.5	11508.4	11597.4
11107.0	5°	11291.2	11488.2	11685.6	11881.3	12077.5	12274.0	12470.6
11259.7	7.5°	11516.7	11808.5	12100.2	12399.8	12699.4	13023.5	13347.9
11395.9	10°	11699.6	12054.3	12408.5	12804.1	13200.2	13610.3	14020.4
11454.2	12.5°	11798.1	12216.1	12634.0	13082.6	13531.2	13981.5	14432.1
11409.1	15°	11807.2	12288.5	12769.8	13256.4	13743.1	14212.8	14682.5
11212.6	17.5°	11691.4	12250.0	12808.7	13339.6	13870.5	14346.9	14823.2
10873.6	20°	11467.1	12144.1	12821.1	13404.6	13988.1	14483.4	14978.4
10476.0	22.5°	11190.6	12014.1	12837.6	13492.3	14146.6	14652.7	15158.4
10031.9	25°	10869.1	11885.8	12903.0	13651.2	14399.0	14894.3	15390.1
9626.0	27.5°	10560.8	11800.2	13039.6	13899.5	14759.0	15232.0	15704.6
9286.6	30°	10292.6	11760.0	13226.6	14221.1	15215.5	15671.9	16128.8
8994.0	32.5°	10031.9	11710.4	13388.0	14556.7	15725.3	16177.2	16629.5
8706.4	35°	9728.2	11616.9	13506.4	14939.0	16371.7	16805.0	17237.8
8367.9	37.5°	9336.7	11456.7	13576.7	15367.3	17158.0	17710.0	18262.0
7964.0	40°	8851.7	11236.1	13621.0	15911.1	18200.8	19005.3	19809.7
7518.4	42.5°	8312.9	11008.5	13705.0	16622.5	19539.9	20701.1	21862.3
7044.9	45°	7741.8	10797.1	13852.8	17558.5	21264.3	22830.7	24397.0
6670.4	47.5°	7290.7	10622.4	13954.1	18555.9	23157.6	25362.4	27566.9
6421.7	50°	6976.2	10432.1	13887.9	19481.2	25074.4	28398.3	31721.7
6257.8	52.5°	6741.2	10110.5	13480.3	20082.0	26683.4	31587.2	36491.0
6139.1	55°	6516.9	9577.5	12638.2	19949.6	27260.6	34414.4	41568.6
5998.4	57.5°	6265.3	8826.0	11386.4	19017.7	26649.4	36418.2	46186.9
5783.2	60°	5993.0	7850.2	9707.5	17283.4	24859.2	36918.9	48978.1
5409.1	62.5°	5548.6	6682.4	7816.3	14938.2	22060.1	34810.5	47560.8
5036.7	65°	5102.4	5631.7	6161.0	12545.5	18930.4	31827.2	44724.0
4508.2	67.5°	4471.4	4622.0	4772.2	10201.6	15631.0	28277.0	40923.0
3870.9	70°	3700.4	3657.8	3614.8	8032.3	12449.9	24403.2	36356.5
3289.5	72.5°	3047.8	2917.9	2788.3	6140.7	9493.1	20203.7	30914.7
2670.8	75°	2400.2	2282.7	2165.1	4456.9	6748.6	15389.7	24030.8
2089.8	77.5°	1827.0	1746.8	1666.9	3020.1	4373.3	10771.4	17169.6
1538.6	80°	1316.0	1282.9	1249.7	1945.8	2642.3	6939.8	11237.4
1069.3	82.5°	905.4	898.8	893.0	1196.8	1501.4	4016.6	6532.2
653.8	85°	533.8	537.1	540.0	639.8	739.9	1806.8	2874.0
279.7	87.5°	230.9	233.8	236.7	265.3	293.8	591.8	889.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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