

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: P957503

Luminaire Tested: **GALN-SB9D-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957503
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-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 82986 lumens
Efficiency: N/A
Efficacy: 126.1 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

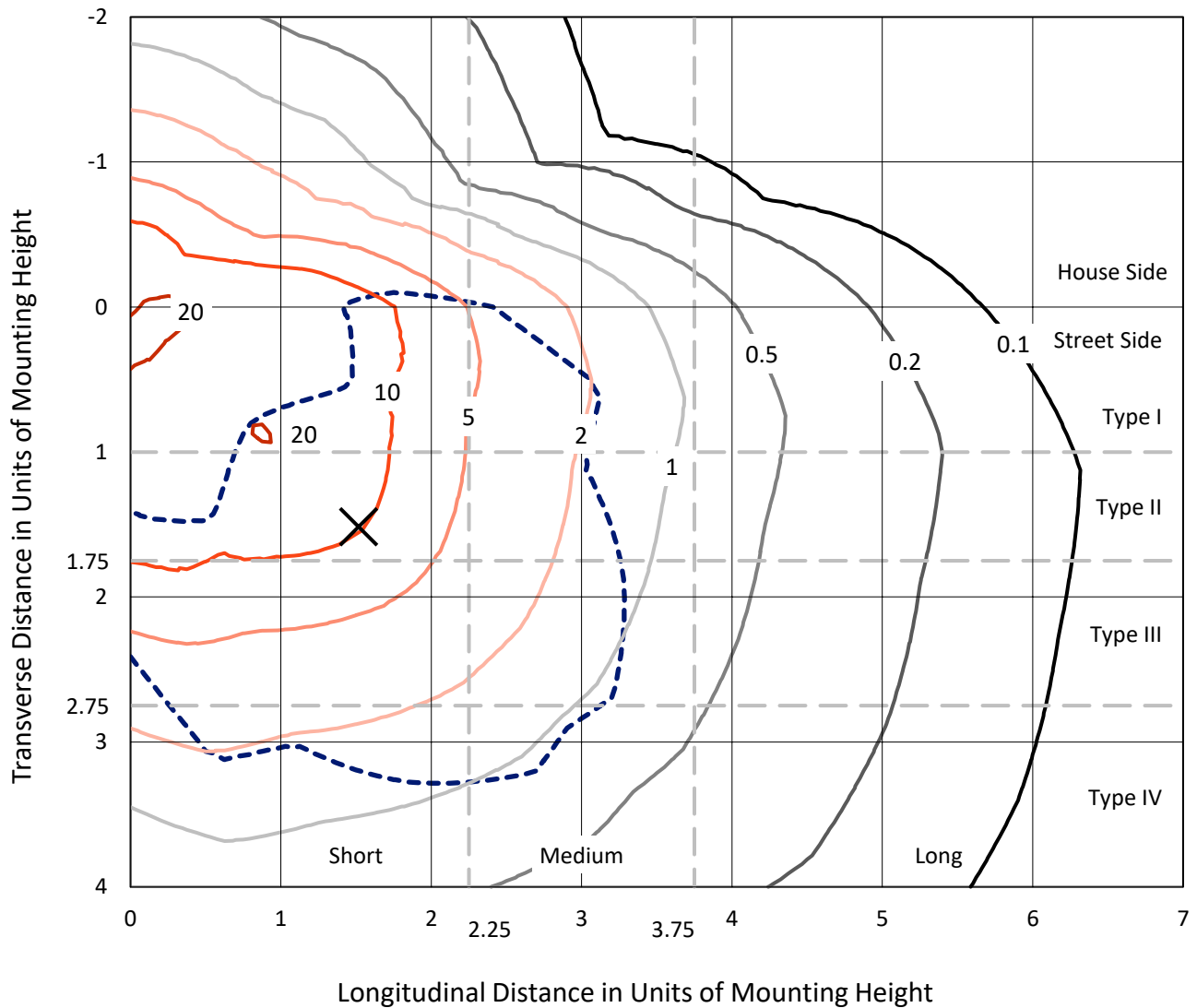
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

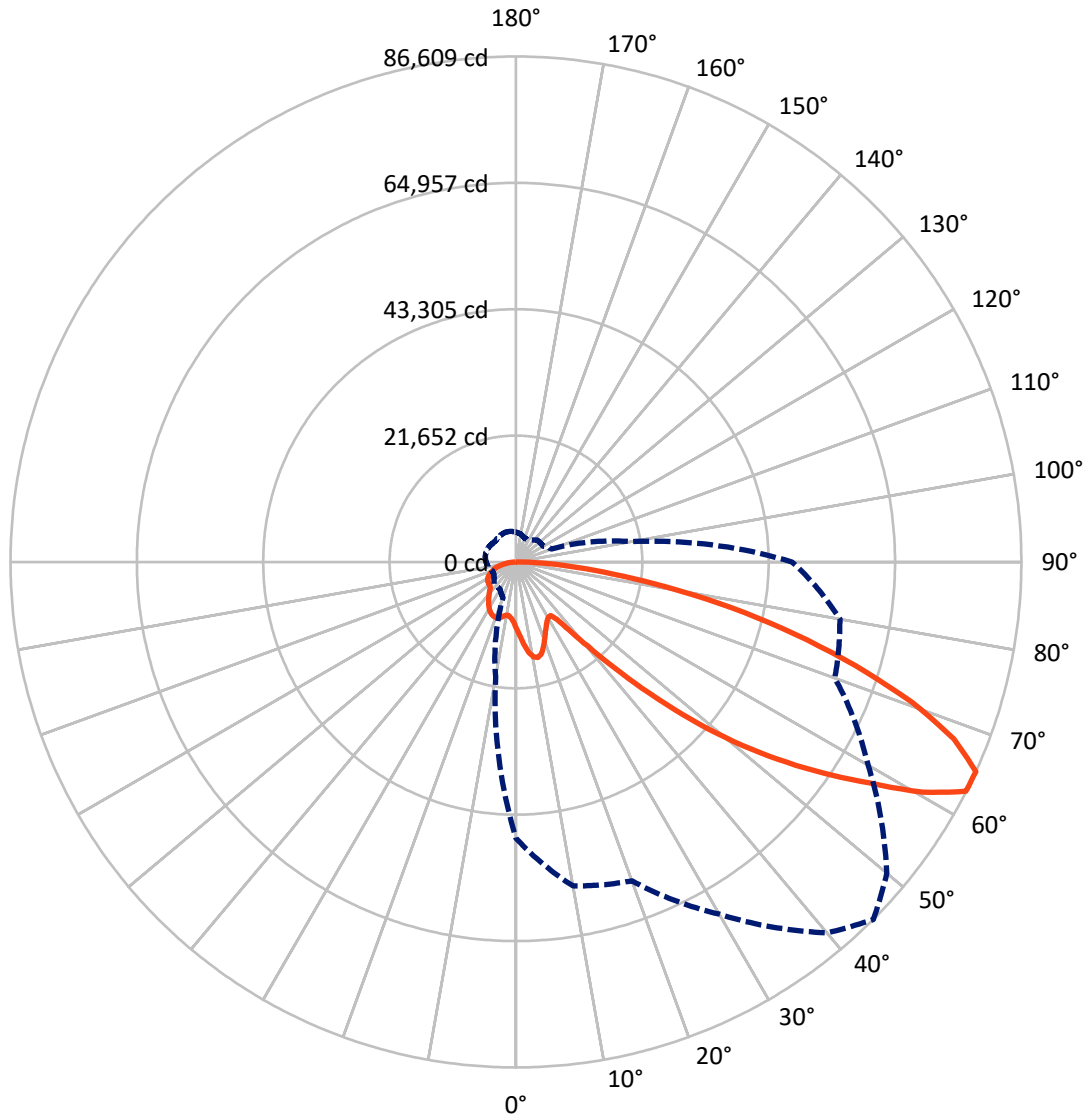
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.3 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	21090.9	0.0	21090.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	61895.1	0.0	61895.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	82986.0	0.0	82986.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.0	1.4
10°-20°	3553.6	4.3
20°-30°	5489.0	6.6
30°-40°	6956.0	8.4
40°-50°	10491.3	12.6
50°-60°	16950.3	20.4
60°-70°	21131.3	25.5
70°-80°	13856.8	16.7
80°-90°	3425.8	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°	82986.0	100.0
0°-180°	82986.0	100.0



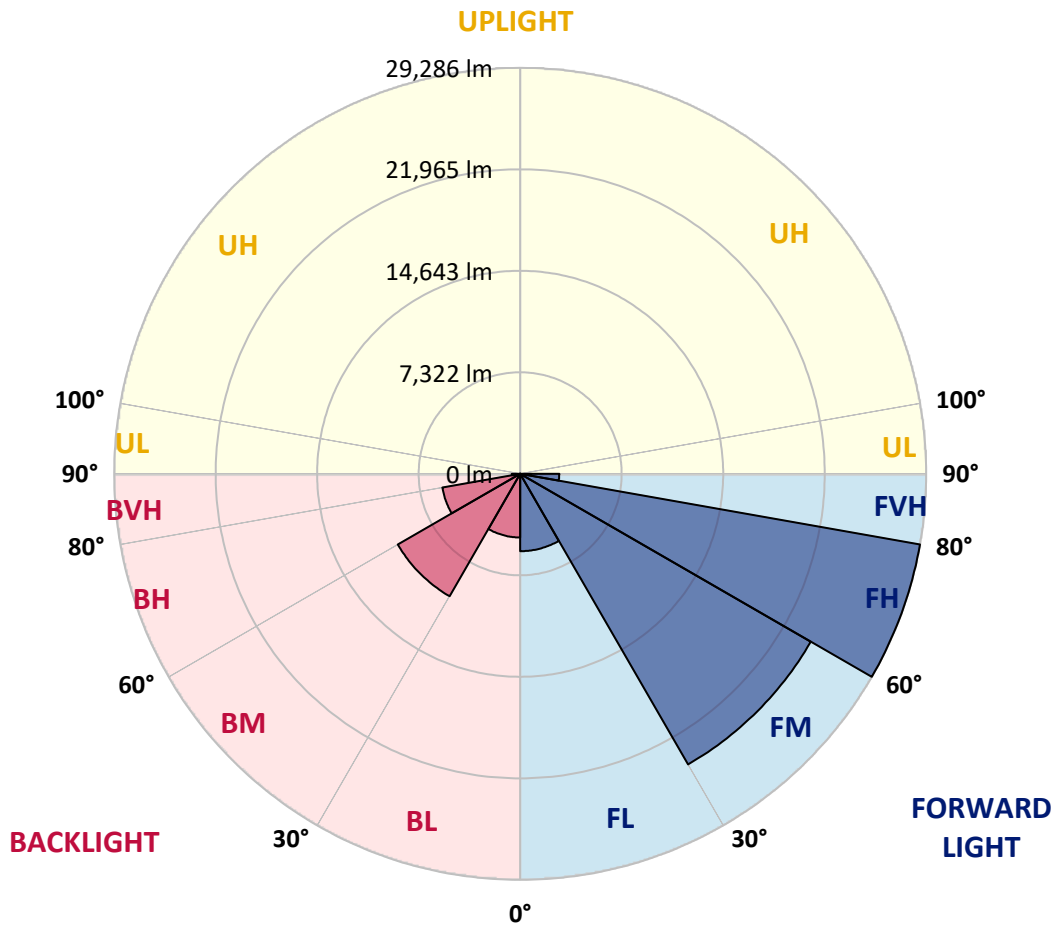
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5581.8	6.7			
FM (30°-60°)	24205.2	29.2			
FH (60°-80°)	29286.1	35.3			G5
FVH (80°-90°)	2822.1	3.4			G5
BL (0°-30°)	4592.8	5.5	B4/5000		
BM (30°-60°)	10192.4	12.3	B5		
BH (60°-80°)	5702.0	6.9	B5		G5
BVH (80°-90°)	603.7	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°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
2.5°	12271.7	12318.2	12365.0	12431.1	12497.2	12536.7	12576.1	12595.8	12615.5	12606.7
5°	13195.7	13358.1	13521.0	13682.2	13843.7	13931.3	14018.9	14071.9	14125.3	14165.6
7.5°	14124.0	14388.5	14652.5	14890.3	15128.1	15271.2	15414.4	15491.9	15569.0	15606.2
10°	14835.6	15148.2	15460.9	15739.8	16018.7	16187.7	16355.9	16431.2	16506.1	16534.5
12.5°	15271.2	15610.2	15948.7	16200.9	16452.2	16574.8	16697.4	16738.6	16779.8	16784.1
15°	15536.2	15828.7	16120.7	16278.8	16437.3	16441.7	16446.1	16402.3	16358.5	16306.8
17.5°	15685.0	15882.5	16080.0	16083.1	16085.7	15908.4	15731.0	15568.6	15405.7	15291.0
20°	15849.3	15918.0	15987.2	15779.2	15571.2	15179.7	14788.3	14503.2	14218.1	14043.0
22.5°	16039.7	15949.5	15859.3	15428.4	14997.6	14421.8	13845.9	13489.5	13133.1	12939.5
25°	16285.0	16000.3	15715.7	15061.5	14407.3	13708.0	13008.7	12633.9	12259.9	12076.9
27.5°	16617.7	16108.9	15599.7	14733.1	13867.0	13091.9	12316.8	11948.1	11579.9	11406.9
30°	17066.6	16307.7	15549.3	14482.6	13415.9	12608.5	11801.0	11459.0	11117.0	10955.9
32.5°	17596.4	16557.3	15518.7	14311.8	13105.0	12346.2	11587.3	11318.9	11050.0	10934.0
35°	18240.1	16968.5	15697.3	14439.7	13182.5	12655.3	12128.5	12065.9	12003.3	11993.7
37.5°	19323.9	17828.1	16332.2	15189.4	14046.5	14012.3	13978.2	14264.6	14550.9	14699.8
40°	20961.6	19334.8	17708.1	16858.1	16008.2	16608.1	17208.0	17904.3	18600.5	18947.3
42.5°	23133.5	21519.4	19905.4	19415.8	18926.3	20234.7	21543.1	22809.4	24075.8	24819.3
45°	25815.5	24365.7	22915.4	22699.5	22483.2	24579.4	26676.0	28756.8	30838.1	32101.4
47.5°	29169.7	27759.3	26348.4	26304.6	26260.9	29284.9	32308.0	35354.4	38400.3	40189.1
50°	33566.1	31823.7	30081.8	30089.3	30096.7	33993.9	37891.1	41912.2	45933.3	48364.4
52.5°	38612.7	36503.0	34393.7	34180.4	33966.8	38621.9	43277.1	48252.3	53227.1	56141.3
55°	43985.6	41901.2	39816.9	38985.4	38153.8	43334.9	48515.5	54446.7	60377.8	63843.7
57.5°	48872.4	47737.4	46601.9	44934.0	43266.6	48498.0	53729.4	60447.4	67165.0	71462.9
60°	51825.9	53588.8	55352.2	53281.0	51209.8	56160.5	61111.3	68304.0	75496.7	80141.8
62.5°	50326.2	55143.3	59960.5	59727.1	59493.3	64028.5	68564.1	75407.3	82250.2	86543.6
65°	47324.4	51845.6	56366.8	57261.4	58155.5	63919.0	69682.9	76318.6	82953.9	86609.3
67.5°	43302.5	47602.5	51902.5	52322.0	52741.1	58746.2	64751.0	71415.1	78079.3	80943.1
70°	38470.4	43147.5	47825.0	48012.4	48200.2	53570.4	58940.2	64675.2	70409.8	72001.5
72.5°	32712.2	38079.4	43447.0	43581.8	43716.3	47917.8	52119.3	56414.5	60709.3	60870.4
75°	25428.0	30983.0	36538.0	37036.8	37535.5	40804.3	44073.2	47096.7	50120.3	49310.3
77.5°	18167.9	23353.3	28539.2	29252.9	29966.7	32451.7	34936.7	37081.0	39225.8	37833.3
80°	11890.8	16253.4	20615.6	21502.8	22389.9	24266.7	26142.6	27268.9	28394.7	26154.9
82.5°	6912.0	9894.5	12877.3	13868.3	14859.6	16151.4	17443.2	17913.0	18382.4	16622.1
85°	3041.1	4624.1	6207.0	7050.0	7892.9	8954.3	10015.3	10282.0	10548.7	9138.7
87.5°	941.5	1473.5	2005.5	2475.8	2946.1	3476.8	4007.5	4030.3	4052.6	3402.4
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°
11411.3	0°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
12615.5	2.5°	12595.8	12576.1	12536.7	12497.2	12431.1	12365.0	12318.2	12271.7	12177.6	12083.4
14125.3	5°	14071.9	14018.9	13931.3	13843.7	13682.2	13521.0	13358.1	13195.7	12987.7	12779.7
15569.0	7.5°	15491.9	15414.4	15271.2	15128.1	14890.3	14652.5	14388.5	14124.0	13780.7	13437.8
16506.1	10°	16431.2	16355.9	16187.7	16018.7	15739.8	15460.9	15148.2	14835.6	14401.6	13967.7
16779.8	12.5°	16738.6	16697.4	16574.8	16452.2	16200.9	15948.7	15610.2	15271.2	14794.4	14318.0
16358.5	15°	16402.3	16446.1	16441.7	16437.3	16278.8	16120.7	15828.7	15536.2	15039.2	14542.2
15405.7	17.5°	15568.6	15731.0	15908.4	16085.7	16083.1	16080.0	15882.5	15685.0	15181.0	14677.0
14218.1	20°	14503.2	14788.3	15179.7	15571.2	15779.2	15987.2	15918.0	15849.3	15325.5	14801.4
13133.1	22.5°	13489.5	13845.9	14421.8	14997.6	15428.4	15859.3	15949.5	16039.7	15504.6	14969.1
12259.9	25°	12633.9	13008.7	13708.0	14407.3	15061.5	15715.7	16000.3	16285.0	15760.4	15236.2
11579.9	27.5°	11948.1	12316.8	13091.9	13867.0	14733.1	15599.7	16108.9	16617.7	16117.7	15617.2
11117.0	30°	11459.0	11801.0	12608.5	13415.9	14482.6	15549.3	16307.7	17066.6	16583.2	16100.2
11050.0	32.5°	11318.9	11587.3	12346.2	13105.0	14311.8	15518.7	16557.3	17596.4	17117.8	16639.6
12003.3	35°	12065.9	12128.5	12655.3	13182.5	14439.7	15697.3	16968.5	18240.1	17782.1	17323.6
14550.9	37.5°	14264.6	13978.2	14012.3	14046.5	15189.4	16332.2	17828.1	19323.9	18739.7	18155.6
18600.5	40°	17904.3	17208.0	16608.1	16008.2	16858.1	17708.1	19334.8	20961.6	20110.3	19259.1
24075.8	42.5°	22809.4	21543.1	20234.7	18926.3	19415.8	19905.4	21519.4	23133.5	21904.8	20676.1
30838.1	45°	28756.8	26676.0	24579.4	22483.2	22699.5	22915.4	24365.7	25815.5	24158.1	22500.7
38400.3	47.5°	35354.4	32308.0	29284.9	26260.9	26304.6	26348.4	27759.3	29169.7	26837.1	24504.1
45933.3	50°	41912.2	37891.1	33993.9	30096.7	30089.3	30081.8	31823.7	33566.1	30049.4	26532.3
53227.1	52.5°	48252.3	43277.1	38621.9	33966.8	34180.4	34393.7	36503.0	38612.7	33423.8	28234.8
60377.8	55°	54446.7	48515.5	43334.9	38153.8	38985.4	39816.9	41901.2	43985.6	36415.4	28845.7
67165.0	57.5°	60447.4	53729.4	48498.0	43266.6	44934.0	46601.9	47737.4	48872.4	38535.7	28198.9
75496.7	60°	68304.0	61111.3	56160.5	51209.8	53281.0	55352.2	53588.8	51825.9	39065.5	26304.6
82250.2	62.5°	75407.3	68564.1	64028.5	59493.3	59727.1	59960.5	55143.3	50326.2	36834.5	23342.8
82953.9	65°	76318.6	69682.9	63919.0	58155.5	57261.4	56366.8	51845.6	47324.4	33677.8	20031.1
78079.3	67.5°	71415.1	64751.0	58746.2	52741.1	52322.0	51902.5	47602.5	43302.5	29921.1	16539.8
70409.8	70°	64675.2	58940.2	53570.4	48200.2	48012.4	47825.0	43147.5	38470.4	25822.1	13173.8
60709.3	72.5°	56414.5	52119.3	47917.8	43716.3	43581.8	43447.0	38079.4	32712.2	21378.4	10045.1
50120.3	75°	47096.7	44073.2	40804.3	37535.5	37036.8	36538.0	30983.0	25428.0	16284.5	7141.0
39225.8	77.5°	37081.0	34936.7	32451.7	29966.7	29252.9	28539.2	23353.3	18167.9	11397.7	4627.6
28394.7	80°	27268.9	26142.6	24266.7	22389.9	21502.8	20615.6	16253.4	11890.8	7343.3	2795.9
18382.4	82.5°	17913.0	17443.2	16151.4	14859.6	13868.3	12877.3	9894.5	6912.0	4250.1	1588.6
10548.7	85°	10282.0	10015.3	8954.3	7892.9	7050.0	6207.0	4624.1	3041.1	1911.8	782.9
4052.6	87.5°	4030.3	4007.5	3476.8	2946.1	2475.8	2005.5	1473.5	941.5	626.2	310.9
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
11411.3	0°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
11983.2	2.5°	11883.3	11782.6	11681.9	11585.6	11489.2	11396.0	11292.2	11208.1	11124.5	11048.7
12572.1	5°	12365.0	12156.1	11947.7	11752.8	11558.0	11374.1	11192.3	11033.8	10874.9	10741.8
13120.8	7.5°	12803.8	12495.1	12186.3	11914.4	11642.5	11391.6	11156.4	10945.4	10734.8	10559.6
13548.6	10°	13130.0	12755.2	12379.9	12058.5	11736.2	11426.6	11174.0	10951.5	10729.1	10553.9
13843.3	12.5°	13368.6	12926.4	12484.1	12120.2	11756.3	11431.0	11195.9	11013.7	10832.4	10715.9
14027.2	15°	13512.3	13003.0	12493.7	12072.5	11651.3	11290.9	11102.6	11015.4	10928.7	10944.5
14115.2	17.5°	13553.4	12962.3	12371.1	11864.5	11357.9	10934.0	10818.0	10849.9	10881.4	11072.4
14184.0	20°	13566.6	12850.2	12133.8	11505.9	10877.9	10384.4	10353.8	10502.7	10651.6	10983.0
14276.8	22.5°	13584.1	12712.7	11841.3	11085.1	10328.8	9767.0	9827.0	10047.3	10267.5	10645.9
14445.0	25°	13653.3	12576.9	11501.1	10615.2	9729.8	9154.0	9316.0	9570.0	9824.0	10164.2
14707.7	27.5°	13797.8	12486.3	11174.8	10185.6	9196.5	8672.3	8869.4	9114.6	9359.8	9639.6
15047.9	30°	13995.7	12443.8	10891.1	9826.6	8762.1	8322.0	8476.6	8671.0	8866.3	9098.4
15403.1	32.5°	14166.5	12391.3	10615.2	9517.0	8418.3	8063.7	8132.4	8247.6	8362.7	8548.0
15807.7	35°	14291.7	12292.3	10293.8	9212.7	8131.5	7836.0	7807.5	7839.0	7871.0	8012.4
16260.9	37.5°	14366.1	12122.9	9879.6	8854.5	7829.4	7571.0	7466.8	7431.8	7396.8	7498.3
16836.3	40°	14413.0	11889.5	9366.4	8427.1	7487.8	7253.6	7093.7	7014.5	6935.2	7008.4
17589.0	42.5°	14501.9	11648.6	8796.2	7955.5	7114.8	6898.9	6697.5	6592.4	6487.3	6546.8
18579.5	45°	14658.2	11424.9	8192.0	7454.6	6717.2	6498.2	6303.4	6200.9	6098.9	6148.8
19634.8	47.5°	14765.5	11240.1	7714.7	7058.3	6401.9	6119.4	5951.7	5865.9	5780.1	5827.4
20613.9	50°	14695.4	11038.6	7381.9	6795.1	6208.3	5837.0	5642.2	5566.0	5490.2	5563.8
21249.7	52.5°	14264.1	10698.4	7133.2	6621.7	6110.7	5683.8	5411.4	5336.1	5261.2	5372.0
21109.6	55°	13373.0	10134.4	6895.8	6496.0	6096.2	5699.1	5288.8	5169.7	5051.0	5208.2
20123.5	57.5°	12048.4	9339.2	6629.6	6347.1	6064.7	5714.4	5215.2	5041.8	4868.4	5037.4
18288.3	60°	10271.9	8306.7	6341.5	6119.4	5897.4	5666.2	5146.0	4921.4	4696.3	4844.8
15806.8	62.5°	8270.8	7071.0	5871.2	5723.6	5576.5	5548.0	5065.5	4784.3	4503.6	4597.8
13274.9	65°	6519.2	5959.2	5399.1	5329.5	5259.9	5263.4	4895.6	4596.9	4297.8	4334.2
10794.7	67.5°	5049.7	4890.7	4731.4	4770.3	4808.9	4799.2	4592.5	4343.8	4095.1	4083.7
8499.4	70°	3824.9	3870.5	3915.6	4096.0	4275.9	4275.9	4208.1	4031.2	3854.3	3814.9
6497.8	72.5°	2950.5	3087.5	3225.0	3480.7	3736.0	3778.9	3779.8	3658.5	3537.2	3479.4
4716.0	75°	2291.0	2415.4	2539.7	2826.1	3112.5	3310.4	3293.8	3200.5	3106.8	3051.6
3195.7	77.5°	1763.8	1848.3	1933.3	2211.3	2489.4	2815.6	2806.8	2732.0	2657.1	2601.0
2058.9	80°	1322.4	1357.4	1392.5	1628.1	1863.2	2252.9	2251.6	2189.0	2125.9	2079.1
1266.4	82.5°	945.0	951.1	958.1	1131.5	1304.9	1637.7	1656.1	1625.4	1594.8	1561.5
677.0	85°	571.4	568.4	564.9	691.9	818.8	1066.3	1090.3	1057.5	1024.7	987.4
280.7	87.5°	250.5	247.4	244.3	296.0	348.1	451.0	481.7	468.5	455.4	448.4
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°
11411.3	0°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
10973.4	2.5°	10907.3	10841.2	10774.6	10708.5	10657.3	10605.6	10564.0	10522.4	10490.0	10457.6
10609.1	5°	10491.7	10374.4	10268.0	10161.1	10079.2	9996.9	9939.6	9882.2	9841.5	9800.7
10384.4	7.5°	10236.9	10088.9	9958.4	9828.3	9730.7	9633.5	9565.2	9496.9	9450.0	9403.6
10378.8	10°	10219.8	10060.4	9913.7	9767.0	9650.6	9533.6	9457.4	9380.4	9336.2	9291.9
10600.3	12.5°	10475.1	10350.7	10198.8	10047.3	9898.4	9749.5	9651.0	9552.5	9503.0	9453.9
10960.3	15°	10927.9	10895.5	10763.7	10631.9	10419.9	10208.0	10058.2	9908.5	9839.7	9771.4
11263.3	17.5°	11364.9	11466.0	11359.6	11253.7	10973.0	10692.3	10471.6	10250.9	10149.3	10047.3
11315.0	20°	11527.3	11739.7	11690.7	11641.2	11320.2	10999.7	10729.1	10458.9	10328.8	10198.3
11025.1	22.5°	11301.4	11577.7	11607.5	11636.8	11330.3	11023.8	10745.3	10466.3	10329.3	10191.8
10504.9	25°	10776.8	11048.7	11150.3	11251.5	11000.1	10749.2	10501.4	10254.4	10135.3	10016.6
9919.0	27.5°	10137.0	10355.1	10468.1	10581.5	10402.4	10223.7	10031.5	9839.3	9759.6	9679.5
9330.5	30°	9511.3	9692.6	9784.5	9876.5	9740.3	9603.7	9466.2	9327.8	9287.1	9245.9
8733.6	32.5°	8907.0	9080.9	9182.9	9285.4	9160.1	9034.4	8924.5	8814.6	8787.9	8761.2
8153.4	35°	8325.1	8497.2	8619.8	8742.4	8653.1	8564.2	8462.6	8361.4	8320.7	8280.4
7599.5	37.5°	7770.7	7942.4	8093.9	8245.4	8204.2	8163.1	8069.8	7976.1	7902.1	7828.5
7081.5	40°	7247.0	7412.5	7586.8	7761.5	7771.6	7781.2	7702.0	7622.7	7515.0	7408.1
6606.8	42.5°	6763.6	6920.8	7109.1	7297.4	7347.7	7398.1	7331.1	7264.5	7131.0	6997.4
6199.6	45°	6348.5	6497.3	6692.6	6887.9	6960.2	7032.4	6972.0	6912.0	6759.2	6606.8
5874.2	47.5°	6020.0	6165.4	6358.1	6550.8	6634.0	6717.2	6675.1	6633.1	6497.3	6361.6
5637.8	50°	5775.3	5912.3	6084.9	6257.4	6364.2	6471.1	6468.4	6466.7	6358.1	6249.5
5482.3	52.5°	5608.4	5734.1	5894.8	6056.0	6182.5	6309.1	6331.8	6354.6	6266.1	6177.7
5365.0	55°	5500.7	5636.5	5777.5	5918.0	6052.0	6186.4	6218.0	6249.5	6172.4	6095.4
5206.5	57.5°	5365.8	5525.2	5664.5	5804.2	5939.5	6074.3	6106.3	6138.3	6060.3	5982.4
4992.8	60°	5175.8	5358.8	5500.3	5642.2	5777.9	5913.6	5948.7	5983.7	5907.5	5831.8
4691.9	62.5°	4905.2	5118.9	5269.9	5421.0	5545.4	5669.7	5703.5	5737.2	5668.4	5599.7
4370.1	65°	4598.7	4827.7	4972.2	5116.7	5226.2	5335.6	5370.2	5404.4	5338.3	5272.1
4072.3	67.5°	4283.4	4494.9	4632.0	4768.6	4863.2	4957.7	4991.5	5024.7	4963.9	4903.4
3775.4	70°	3961.1	4146.8	4265.0	4383.2	4468.6	4554.0	4586.4	4618.8	4569.3	4519.9
3422.1	72.5°	3568.3	3714.1	3821.0	3927.8	4011.5	4095.1	4133.6	4172.2	4131.0	4089.8
2996.0	75°	3104.6	3213.2	3310.0	3406.7	3482.9	3559.1	3599.4	3639.7	3619.6	3599.4
2545.0	77.5°	2633.4	2721.5	2804.7	2887.9	2968.0	3047.7	3085.3	3123.0	3095.0	3066.1
2031.8	80°	2105.4	2178.5	2248.5	2318.6	2379.5	2439.9	2489.8	2539.7	2527.5	2515.7
1528.2	82.5°	1522.1	1516.0	1491.4	1466.9	1596.5	1726.1	1811.1	1896.0	1890.8	1885.1
950.2	85°	918.7	886.7	818.8	751.0	872.3	994.0	1099.1	1204.2	1195.4	1186.7
441.4	87.5°	440.1	438.8	387.1	335.0	385.8	437.0	479.5	522.0	511.4	500.1
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°
11411.3	0°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
10427.8	2.5°	10397.6	10360.4	10397.6	10427.8	10457.6	10490.0	10522.4	10564.0	10605.6	10657.3
9769.7	5°	9738.6	9707.9	9738.6	9769.7	9800.7	9841.5	9882.2	9939.6	9996.9	10079.2
9375.6	7.5°	9348.0	9327.0	9348.0	9375.6	9403.6	9450.0	9496.9	9565.2	9633.5	9730.7
9268.3	10°	9244.6	9235.0	9244.6	9268.3	9291.9	9336.2	9380.4	9457.4	9533.6	9650.6
9433.8	12.5°	9413.7	9410.2	9413.7	9433.8	9453.9	9503.0	9552.5	9651.0	9749.5	9898.4
9745.1	15°	9718.9	9716.7	9718.9	9745.1	9771.4	9839.7	9908.5	10058.2	10208.0	10419.9
10014.0	17.5°	9980.3	9975.0	9980.3	10014.0	10047.3	10149.3	10250.9	10471.6	10692.3	10973.0
10156.7	20°	10115.1	10102.0	10115.1	10156.7	10198.3	10328.8	10458.9	10729.1	10999.7	11320.2
10145.8	22.5°	10099.8	10080.1	10099.8	10145.8	10191.8	10329.3	10466.3	10745.3	11023.8	11330.3
9973.3	25°	9930.4	9905.0	9930.4	9973.3	10016.6	10135.3	10254.4	10501.4	10749.2	11000.1
9659.7	27.5°	9640.0	9633.5	9640.0	9659.7	9679.5	9759.6	9839.3	10031.5	10223.7	10402.4
9245.9	30°	9245.9	9252.5	9245.9	9245.9	9245.9	9287.1	9327.8	9466.2	9603.7	9740.3
8764.7	32.5°	8768.7	8775.2	8768.7	8764.7	8761.2	8787.9	8814.6	8924.5	9034.4	9160.1
8271.7	35°	8262.9	8258.5	8262.9	8271.7	8280.4	8320.7	8361.4	8462.6	8564.2	8653.1
7789.5	37.5°	7750.6	7728.7	7750.6	7789.5	7828.5	7902.1	7976.1	8069.8	8163.1	8204.2
7335.5	40°	7263.6	7220.7	7263.6	7335.5	7408.1	7515.0	7622.7	7702.0	7781.2	7771.6
6891.9	42.5°	6786.3	6717.2	6786.3	6891.9	6997.4	7131.0	7264.5	7331.1	7398.1	7347.7
6482.9	45°	6359.0	6279.3	6359.0	6482.9	6606.8	6759.2	6912.0	6972.0	7032.4	6960.2
6246.9	47.5°	6132.6	6056.0	6132.6	6246.9	6361.6	6497.3	6633.1	6675.1	6717.2	6634.0
6143.5	50°	6037.6	5964.0	6037.6	6143.5	6249.5	6358.1	6466.7	6468.4	6471.1	6364.2
6082.7	52.5°	5988.1	5920.2	5988.1	6082.7	6177.7	6266.1	6354.6	6331.8	6309.1	6182.5
6012.2	55°	5929.0	5867.7	5929.0	6012.2	6095.4	6172.4	6249.5	6218.0	6186.4	6052.0
5900.1	57.5°	5817.3	5753.8	5817.3	5900.1	5982.4	6060.3	6138.3	6106.3	6074.3	5939.5
5746.8	60°	5661.9	5596.2	5661.9	5746.8	5831.8	5907.5	5983.7	5948.7	5913.6	5777.9
5510.3	62.5°	5421.0	5342.2	5421.0	5510.3	5599.7	5668.4	5737.2	5703.5	5669.7	5545.4
5185.4	65°	5099.2	5031.3	5099.2	5185.4	5272.1	5338.3	5404.4	5370.2	5335.6	5226.2
4822.9	67.5°	4742.3	4681.0	4742.3	4822.9	4903.4	4963.9	5024.7	4991.5	4957.7	4863.2
4442.8	70°	4365.7	4295.7	4365.7	4442.8	4519.9	4569.3	4618.8	4586.4	4554.0	4468.6
4016.3	72.5°	3943.2	3875.3	3943.2	4016.3	4089.8	4131.0	4172.2	4133.6	4095.1	4011.5
3537.7	75°	3475.9	3411.1	3475.9	3537.7	3599.4	3619.6	3639.7	3599.4	3559.1	3482.9
3003.9	77.5°	2941.7	2890.0	2941.7	3003.9	3066.1	3095.0	3123.0	3085.3	3047.7	2968.0
2432.0	80°	2347.9	2250.7	2347.9	2432.0	2515.7	2527.5	2539.7	2489.8	2439.9	2379.5
1814.6	82.5°	1743.7	1681.5	1743.7	1814.6	1885.1	1890.8	1896.0	1811.1	1726.1	1596.5
1131.5	85°	1076.3	1020.3	1076.3	1131.5	1186.7	1195.4	1204.2	1099.1	994.0	872.3
472.0	87.5°	443.1	416.0	443.1	472.0	500.1	511.4	522.0	479.5	437.0	385.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
11411.3	0°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
10708.5	2.5°	10774.6	10841.2	10907.3	10973.4	11048.7	11124.5	11208.1	11292.2	11396.0	11489.2
10161.1	5°	10268.0	10374.4	10491.7	10609.1	10741.8	10874.9	11033.8	11192.3	11374.1	11558.0
9828.3	7.5°	9958.4	10088.9	10236.9	10384.4	10559.6	10734.8	10945.4	11156.4	11391.6	11642.5
9767.0	10°	9913.7	10060.4	10219.8	10378.8	10553.9	10729.1	10951.5	11174.0	11426.6	11736.2
10047.3	12.5°	10198.8	10350.7	10475.1	10600.3	10715.9	10832.4	11013.7	11195.9	11431.0	11756.3
10631.9	15°	10763.7	10895.5	10927.9	10960.3	10944.5	10928.7	11015.4	11102.6	11290.9	11651.3
11253.7	17.5°	11359.6	11466.0	11364.9	11263.3	11072.4	10881.4	10849.9	10818.0	10934.0	11357.9
11641.2	20°	11690.7	11739.7	11527.3	11315.0	10983.0	10651.6	10502.7	10353.8	10384.4	10877.9
11636.8	22.5°	11607.5	11577.7	11301.4	11025.1	10645.9	10267.5	10047.3	9827.0	9767.0	10328.8
11251.5	25°	11150.3	11048.7	10776.8	10504.9	10164.2	9824.0	9570.0	9316.0	9154.0	9729.8
10581.5	27.5°	10468.1	10355.1	10137.0	9919.0	9639.6	9359.8	9114.6	8869.4	8672.3	9196.5
9876.5	30°	9784.5	9692.6	9511.3	9330.5	9098.4	8866.3	8671.0	8476.6	8322.0	8762.1
9285.4	32.5°	9182.9	9080.9	8907.0	8733.6	8548.0	8362.7	8247.6	8132.4	8063.7	8418.3
8742.4	35°	8619.8	8497.2	8325.1	8153.4	8012.4	7871.0	7839.0	7807.5	7836.0	8131.5
8245.4	37.5°	8093.9	7942.4	7770.7	7599.5	7498.3	7396.8	7431.8	7466.8	7571.0	7829.4
7761.5	40°	7586.8	7412.5	7247.0	7081.5	7008.4	6935.2	7014.5	7093.7	7253.6	7487.8
7297.4	42.5°	7109.1	6920.8	6763.6	6606.8	6546.8	6487.3	6592.4	6697.5	6898.9	7114.8
6887.9	45°	6692.6	6497.3	6348.5	6199.6	6148.8	6098.9	6200.9	6303.4	6498.2	6717.2
6550.8	47.5°	6358.1	6165.4	6020.0	5874.2	5827.4	5780.1	5865.9	5951.7	6119.4	6401.9
6257.4	50°	6084.9	5912.3	5775.3	5637.8	5563.8	5490.2	5566.0	5642.2	5837.0	6208.3
6056.0	52.5°	5894.8	5734.1	5608.4	5482.3	5372.0	5261.2	5336.1	5411.4	5683.8	6110.7
5918.0	55°	5777.5	5636.5	5500.7	5365.0	5208.2	5051.0	5169.7	5288.8	5699.1	6096.2
5804.2	57.5°	5664.5	5525.2	5365.8	5206.5	5037.4	4868.4	5041.8	5215.2	5714.4	6064.7
5642.2	60°	5500.3	5358.8	5175.8	4992.8	4844.8	4696.3	4921.4	5146.0	5666.2	5897.4
5421.0	62.5°	5269.9	5118.9	4905.2	4691.9	4597.8	4503.6	4784.3	5065.5	5548.0	5576.5
5116.7	65°	4972.2	4827.7	4598.7	4370.1	4334.2	4297.8	4596.9	4895.6	5263.4	5259.9
4768.6	67.5°	4632.0	4494.9	4283.4	4072.3	4083.7	4095.1	4343.8	4592.5	4799.2	4808.9
4383.2	70°	4265.0	4146.8	3961.1	3775.4	3814.9	3854.3	4031.2	4208.1	4275.9	4275.9
3927.8	72.5°	3821.0	3714.1	3568.3	3422.1	3479.4	3537.2	3658.5	3779.8	3778.9	3736.0
3406.7	75°	3310.0	3213.2	3104.6	2996.0	3051.6	3106.8	3200.5	3293.8	3310.4	3112.5
2887.9	77.5°	2804.7	2721.5	2633.4	2545.0	2601.0	2657.1	2732.0	2806.8	2815.6	2489.4
2318.6	80°	2248.5	2178.5	2105.4	2031.8	2079.1	2125.9	2189.0	2251.6	2252.9	1863.2
1466.9	82.5°	1491.4	1516.0	1522.1	1528.2	1561.5	1594.8	1625.4	1656.1	1637.7	1304.9
751.0	85°	818.8	886.7	918.7	950.2	987.4	1024.7	1057.5	1090.3	1066.3	818.8
335.0	87.5°	387.1	438.8	440.1	441.4	448.4	455.4	468.5	481.7	451.0	348.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
11411.3	0°	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3	11411.3
11585.6	2.5°	11681.9	11782.6	11883.3	11983.2	12083.4	12177.6	12271.7
11752.8	5°	11947.7	12156.1	12365.0	12572.1	12779.7	12987.7	13195.7
11914.4	7.5°	12186.3	12495.1	12803.8	13120.8	13437.8	13780.7	14124.0
12058.5	10°	12379.9	12755.2	13130.0	13548.6	13967.7	14401.6	14835.6
12120.2	12.5°	12484.1	12926.4	13368.6	13843.3	14318.0	14794.4	15271.2
12072.5	15°	12493.7	13003.0	13512.3	14027.2	14542.2	15039.2	15536.2
11864.5	17.5°	12371.1	12962.3	13553.4	14115.2	14677.0	15181.0	15685.0
11505.9	20°	12133.8	12850.2	13566.6	14184.0	14801.4	15325.5	15849.3
11085.1	22.5°	11841.3	12712.7	13584.1	14276.8	14969.1	15504.6	16039.7
10615.2	25°	11501.1	12576.9	13653.3	14445.0	15236.2	15760.4	16285.0
10185.6	27.5°	11174.8	12486.3	13797.8	14707.7	15617.2	16117.7	16617.7
9826.6	30°	10891.1	12443.8	13995.7	15047.9	16100.2	16583.2	17066.6
9517.0	32.5°	10615.2	12391.3	14166.5	15403.1	16639.6	17117.8	17596.4
9212.7	35°	10293.8	12292.3	14291.7	15807.7	17323.6	17782.1	18240.1
8854.5	37.5°	9879.6	12122.9	14366.1	16260.9	18155.6	18739.7	19323.9
8427.1	40°	9366.4	11889.5	14413.0	16836.3	19259.1	20110.3	20961.6
7955.5	42.5°	8796.2	11648.6	14501.9	17589.0	20676.1	21904.8	23133.5
7454.6	45°	8192.0	11424.9	14658.2	18579.5	22500.7	24158.1	25815.5
7058.3	47.5°	7714.7	11240.1	14765.5	19634.8	24504.1	26837.1	29169.7
6795.1	50°	7381.9	11038.6	14695.4	20613.9	26532.3	30049.4	33566.1
6621.7	52.5°	7133.2	10698.4	14264.1	21249.7	28234.8	33423.8	38612.7
6496.0	55°	6895.8	10134.4	13373.0	21109.6	28845.7	36415.4	43985.6
6347.1	57.5°	6629.6	9339.2	12048.4	20123.5	28198.9	38535.7	48872.4
6119.4	60°	6341.5	8306.7	10271.9	18288.3	26304.6	39065.5	51825.9
5723.6	62.5°	5871.2	7071.0	8270.8	15806.8	23342.8	36834.5	50326.2
5329.5	65°	5399.1	5959.2	6519.2	13274.9	20031.1	33677.8	47324.4
4770.3	67.5°	4731.4	4890.7	5049.7	10794.7	16539.8	29921.1	43302.5
4096.0	70°	3915.6	3870.5	3824.9	8499.4	13173.8	25822.1	38470.4
3480.7	72.5°	3225.0	3087.5	2950.5	6497.8	10045.1	21378.4	32712.2
2826.1	75°	2539.7	2415.4	2291.0	4716.0	7141.0	16284.5	25428.0
2211.3	77.5°	1933.3	1848.3	1763.8	3195.7	4627.6	11397.7	18167.9
1628.1	80°	1392.5	1357.4	1322.4	2058.9	2795.9	7343.3	11890.8
1131.5	82.5°	958.1	951.1	945.0	1266.4	1588.6	4250.1	6912.0
691.9	85°	564.9	568.4	571.4	677.0	782.9	1911.8	3041.1
296.0	87.5°	244.3	247.4	250.5	280.7	310.9	626.2	941.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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