

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: P955403

Luminaire Tested: **GALN-SB8B-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955403
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-SB8B-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43398 lumens
Efficiency: N/A
Efficacy: 148.2 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

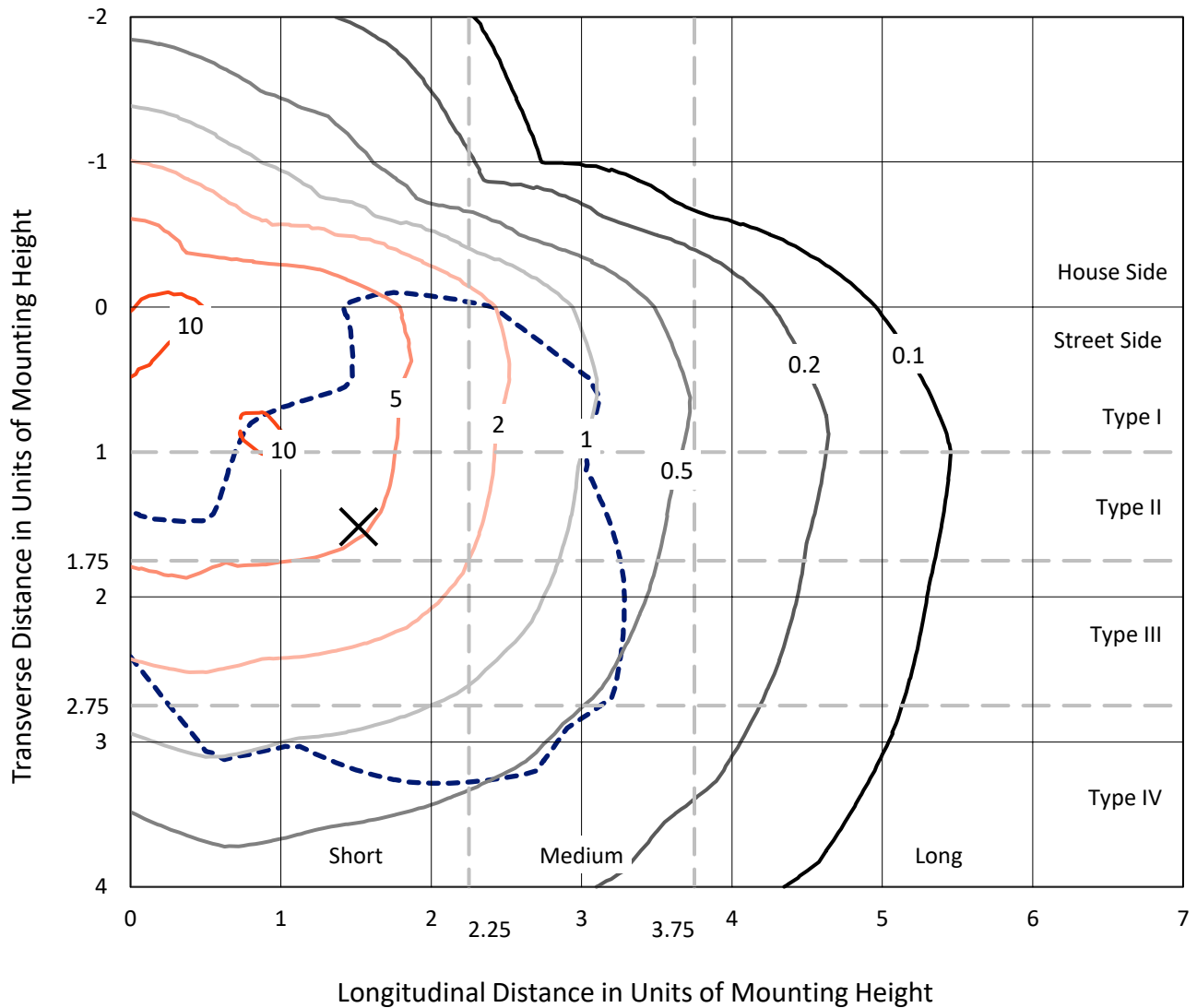
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

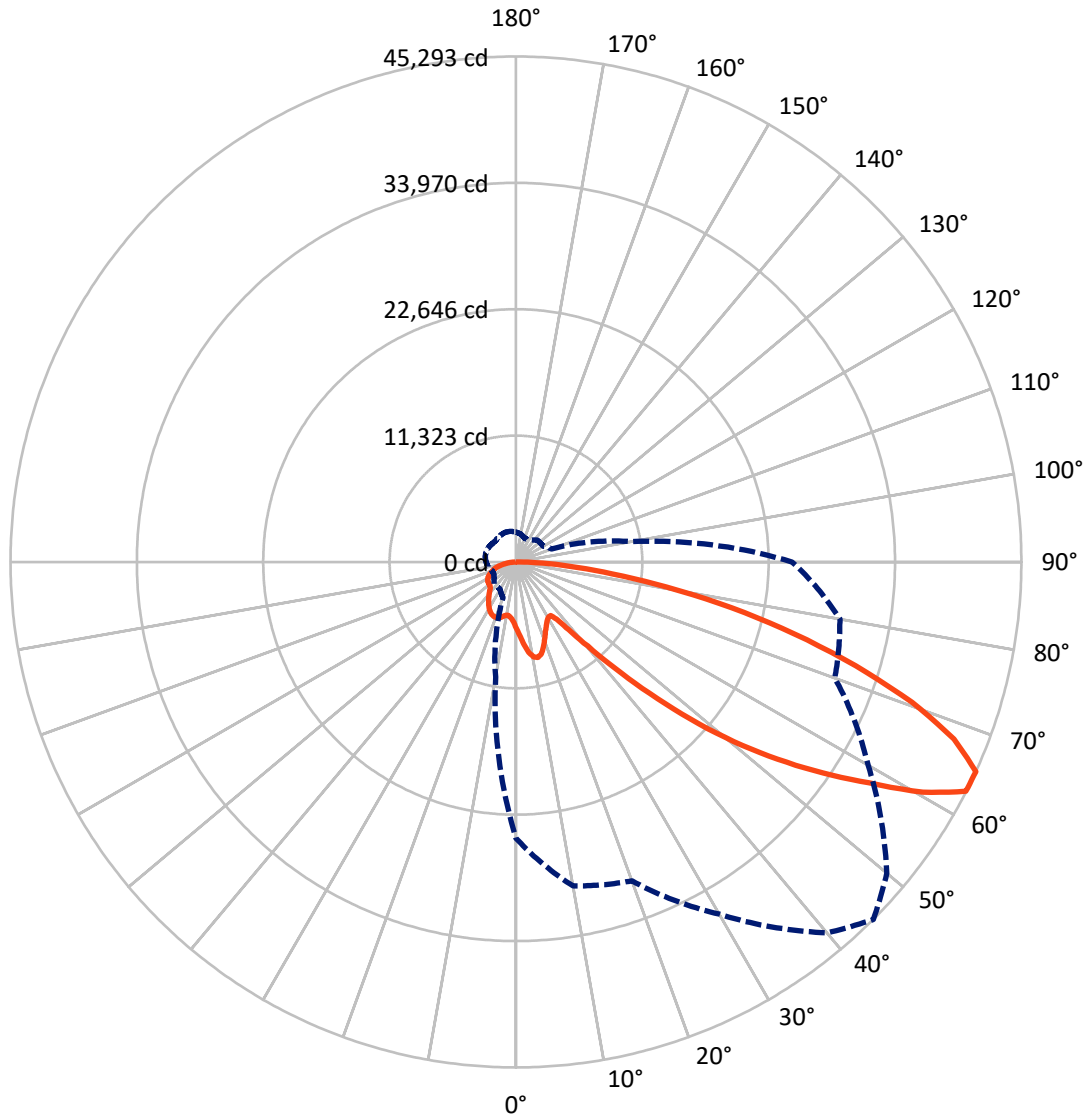
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	11029.6	0.0	11029.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	32368.4	0.0	32368.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	43398.0	0.0	43398.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.0	1.4
10°-20°	1858.4	4.3
20°-30°	2870.5	6.6
30°-40°	3637.7	8.4
40°-50°	5486.5	12.6
50°-60°	8864.3	20.4
60°-70°	11050.7	25.5
70°-80°	7246.5	16.7
80°-90°	1791.5	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°	43398.0	100.0
0°-180°	43398.0	100.0

Coefficient of Utilization



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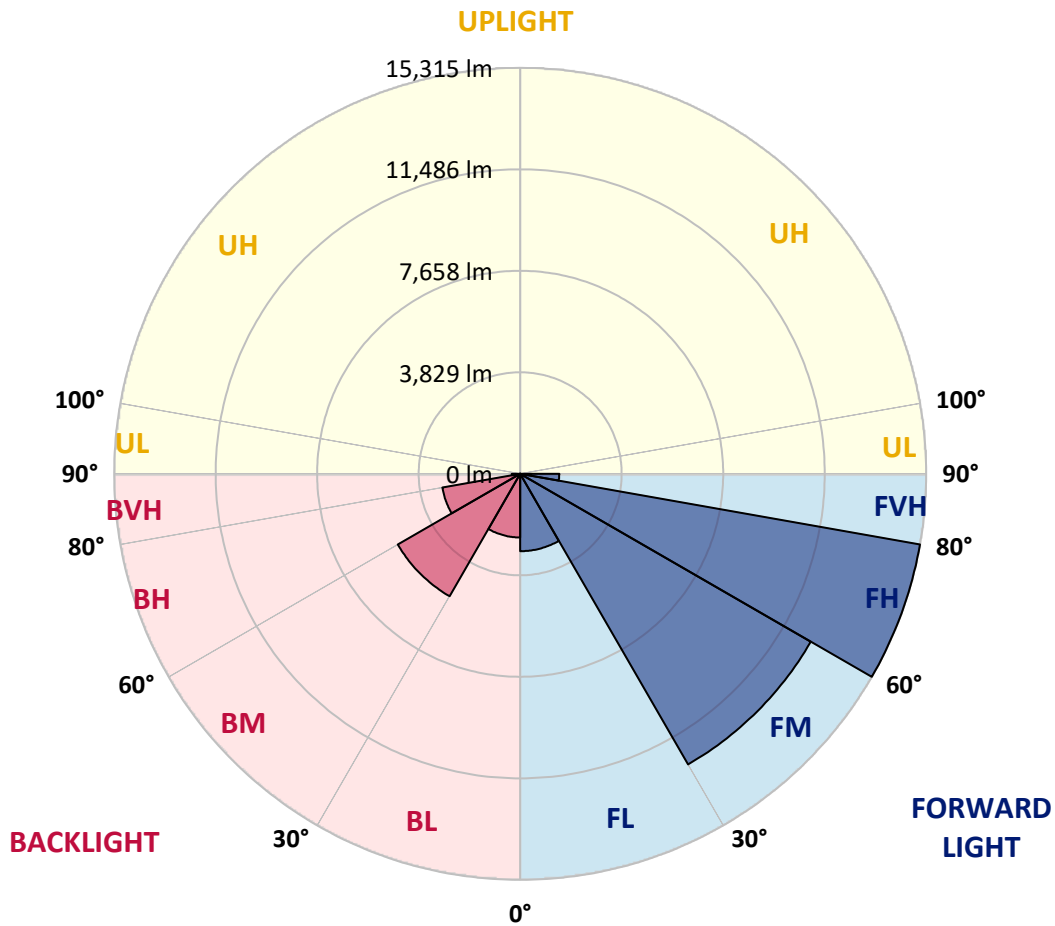
CATALOG NUMBER: GALN-SB8B-840-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2919.0	6.7			
FM (30°-60°)	12658.3	29.2			
FH (60°-80°)	15315.3	35.3			G5
FVH (80°-90°)	1475.8	3.4			G5
BL (0°-30°)	2401.8	5.5	B3/2500		
BM (30°-60°)	5330.2	12.3	B4/8500		
BH (60°-80°)	2981.9	6.9	B4/5000		G4/5000
BVH (80°-90°)	315.7	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°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
2.5°	6417.6	6441.8	6466.3	6500.9	6535.5	6556.1	6576.7	6587.0	6597.3	6592.8
5°	6900.8	6985.7	7070.9	7155.2	7239.7	7285.5	7331.3	7359.0	7386.9	7408.0
7.5°	7386.2	7524.5	7662.6	7787.0	7911.3	7986.2	8061.1	8101.6	8141.9	8161.4
10°	7758.3	7921.8	8085.3	8231.2	8377.1	8465.5	8553.4	8592.8	8632.0	8646.8
12.5°	7986.2	8163.4	8340.4	8472.3	8603.8	8667.9	8732.0	8753.5	8775.1	8777.4
15°	8124.7	8277.7	8430.4	8513.1	8596.0	8598.3	8600.6	8577.7	8554.8	8527.8
17.5°	8202.6	8305.9	8409.1	8410.7	8412.1	8319.4	8226.6	8141.7	8056.5	7996.5
20°	8288.5	8324.4	8360.6	8251.8	8143.0	7938.3	7733.6	7584.5	7435.5	7343.9
22.5°	8388.1	8340.9	8293.7	8068.4	7843.1	7541.9	7240.8	7054.4	6868.0	6766.8
25°	8516.3	8367.5	8218.6	7876.5	7534.4	7168.7	6803.0	6607.0	6411.4	6315.7
27.5°	8690.3	8424.3	8157.9	7704.8	7251.8	6846.5	6441.2	6248.3	6055.8	5965.3
30°	8925.1	8528.2	8131.6	7573.8	7015.9	6593.7	6171.4	5992.6	5813.7	5729.4
32.5°	9202.1	8658.7	8115.6	7484.5	6853.3	6456.5	6059.7	5919.3	5778.7	5718.0
35°	9538.8	8873.8	8209.0	7551.3	6893.9	6618.2	6342.7	6309.9	6277.2	6272.2
37.5°	10105.5	9323.3	8541.0	7943.4	7345.7	7327.8	7310.0	7459.7	7609.5	7687.3
40°	10962.0	10111.3	9260.5	8816.1	8371.6	8685.3	8999.0	9363.1	9727.2	9908.6
42.5°	12097.8	11253.7	10409.6	10153.6	9897.6	10581.8	11266.1	11928.3	12590.6	12979.4
45°	13500.4	12742.2	11983.7	11870.9	11757.7	12853.9	13950.3	15038.5	16126.9	16787.6
47.5°	15254.5	14516.9	13779.1	13756.2	13733.3	15314.7	16895.7	18488.8	20081.7	21017.1
50°	17553.6	16642.4	15731.5	15735.4	15739.3	17777.3	19815.4	21918.2	24021.1	25292.5
52.5°	20192.7	19089.4	17986.4	17874.9	17763.1	20197.6	22632.0	25233.8	27835.4	29359.4
55°	23002.5	21912.5	20822.5	20387.6	19952.8	22662.2	25371.5	28473.2	31574.9	33387.4
57.5°	25558.1	24964.5	24370.7	23498.5	22626.5	25362.3	28098.1	31611.3	35124.3	37371.9
60°	27102.7	28024.6	28946.7	27863.6	26780.5	29369.5	31958.5	35719.9	39481.4	41910.6
62.5°	26318.3	28837.5	31356.7	31234.6	31112.3	33484.0	35856.0	39434.7	43013.2	45258.5
65°	24748.6	27113.0	29477.3	29945.2	30412.8	33426.8	36441.1	39911.2	43381.2	45292.8
67.5°	22645.3	24894.0	27142.7	27362.1	27581.3	30721.7	33861.9	37347.0	40832.0	42329.6
70°	20118.3	22564.2	25010.3	25108.3	25206.6	28015.0	30823.1	33822.3	36821.2	37653.6
72.5°	17107.0	19913.8	22720.8	22791.4	22861.7	25058.9	27256.1	29502.3	31748.3	31832.5
75°	13297.7	16202.7	19107.8	19368.6	19629.4	21338.9	23048.3	24629.5	26210.7	25787.1
77.5°	9501.0	12212.7	14924.7	15298.0	15671.2	16970.8	18270.3	19391.7	20513.3	19785.1
80°	6218.3	8499.8	10781.1	11245.0	11709.0	12690.4	13671.4	14260.4	14849.2	13677.8
82.5°	3614.7	5174.4	6734.3	7252.5	7770.9	8446.5	9122.0	9367.7	9613.2	8692.6
85°	1590.4	2418.2	3246.0	3686.8	4127.6	4682.7	5237.6	5377.0	5516.5	4779.1
87.5°	492.3	770.6	1048.8	1294.7	1540.7	1818.2	2095.8	2107.7	2119.3	1779.3
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°
5967.6	0°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
6597.3	2.5°	6587.0	6576.7	6556.1	6535.5	6500.9	6466.3	6441.8	6417.6	6368.3	6319.1
7386.9	5°	7359.0	7331.3	7285.5	7239.7	7155.2	7070.9	6985.7	6900.8	6792.0	6683.2
8141.9	7.5°	8101.6	8061.1	7986.2	7911.3	7787.0	7662.6	7524.5	7386.2	7206.7	7027.4
8632.0	10°	8592.8	8553.4	8465.5	8377.1	8231.2	8085.3	7921.8	7758.3	7531.4	7304.5
8775.1	12.5°	8753.5	8732.0	8667.9	8603.8	8472.3	8340.4	8163.4	7986.2	7736.8	7487.7
8554.8	15°	8577.7	8600.6	8598.3	8596.0	8513.1	8430.4	8277.7	8124.7	7864.8	7604.9
8056.5	17.5°	8141.7	8226.6	8319.4	8412.1	8410.7	8409.1	8305.9	8202.6	7939.0	7675.4
7435.5	20°	7584.5	7733.6	7938.3	8143.0	8251.8	8360.6	8324.4	8288.5	8014.6	7740.5
6868.0	22.5°	7054.4	7240.8	7541.9	7843.1	8068.4	8293.7	8340.9	8388.1	8108.2	7828.2
6411.4	25°	6607.0	6803.0	7168.7	7534.4	7876.5	8218.6	8367.5	8516.3	8242.0	7967.9
6055.8	27.5°	6248.3	6441.2	6846.5	7251.8	7704.8	8157.9	8424.3	8690.3	8428.8	8167.1
5813.7	30°	5992.6	6171.4	6593.7	7015.9	7573.8	8131.6	8528.2	8925.1	8672.3	8419.7
5778.7	32.5°	5919.3	6059.7	6456.5	6853.3	7484.5	8115.6	8658.7	9202.1	8951.9	8701.8
6277.2	35°	6309.9	6342.7	6618.2	6893.9	7551.3	8209.0	8873.8	9538.8	9299.2	9059.5
7609.5	37.5°	7459.7	7310.0	7327.8	7345.7	7943.4	8541.0	9323.3	10105.5	9800.1	9494.6
9727.2	40°	9363.1	8999.0	8685.3	8371.6	8816.1	9260.5	10111.3	10962.0	10516.8	10071.6
12590.6	42.5°	11928.3	11266.1	10581.8	9897.6	10153.6	10409.6	11253.7	12097.8	11455.2	10812.7
16126.9	45°	15038.5	13950.3	12853.9	11757.7	11870.9	11983.7	12742.2	13500.4	12633.6	11766.9
20081.7	47.5°	18488.8	16895.7	15314.7	13733.3	13756.2	13779.1	14516.9	15254.5	14034.6	12814.5
24021.1	50°	21918.2	19815.4	17777.3	15739.3	15735.4	15731.5	16642.4	17553.6	15714.5	13875.2
27835.4	52.5°	25233.8	22632.0	20197.6	17763.1	17874.9	17986.4	19089.4	20192.7	17479.2	14765.6
31574.9	55°	28473.2	25371.5	22662.2	19952.8	20387.6	20822.5	21912.5	23002.5	19043.6	15085.0
35124.3	57.5°	31611.3	28098.1	25362.3	22626.5	23498.5	24370.7	24964.5	25558.1	20152.4	14746.8
39481.4	60°	35719.9	31958.5	29369.5	26780.5	27863.6	28946.7	28024.6	27102.7	20429.5	13756.2
43013.2	62.5°	39434.7	35856.0	33484.0	31112.3	31234.6	31356.7	28837.5	26318.3	19262.8	12207.2
43381.2	65°	39911.2	36441.1	33426.8	30412.8	29945.2	29477.3	27113.0	24748.6	17612.0	10475.4
40832.0	67.5°	37347.0	33861.9	30721.7	27581.3	27362.1	27142.7	24894.0	22645.3	15647.4	8649.6
36821.2	70°	33822.3	30823.1	28015.0	25206.6	25108.3	25010.3	22564.2	20118.3	13503.8	6889.3
31748.3	72.5°	29502.3	27256.1	25058.9	22861.7	22791.4	22720.8	19913.8	17107.0	11180.0	5253.1
26210.7	75°	24629.5	23048.3	21338.9	19629.4	19368.6	19107.8	16202.7	13297.7	8516.1	3734.4
20513.3	77.5°	19391.7	18270.3	16970.8	15671.2	15298.0	14924.7	12212.7	9501.0	5960.5	2420.0
14849.2	80°	14260.4	13671.4	12690.4	11709.0	11245.0	10781.1	8499.8	6218.3	3840.2	1462.1
9613.2	82.5°	9367.7	9122.0	8446.5	7770.9	7252.5	6734.3	5174.4	3614.7	2222.6	830.8
5516.5	85°	5377.0	5237.6	4682.7	4127.6	3686.8	3246.0	2418.2	1590.4	999.8	409.4
2119.3	87.5°	2107.7	2095.8	1818.2	1540.7	1294.7	1048.8	770.6	492.3	327.5	162.6
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5967.6	0°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
6266.7	2.5°	6214.5	6161.8	6109.1	6058.7	6008.4	5959.6	5905.3	5861.3	5817.6	5778.0
6574.7	5°	6466.3	6357.1	6248.1	6146.2	6044.3	5948.1	5853.1	5770.2	5687.1	5617.5
6861.6	7.5°	6695.8	6534.4	6372.9	6230.7	6088.5	5957.3	5834.3	5723.9	5613.8	5522.2
7085.3	10°	6866.4	6670.4	6474.1	6306.1	6137.5	5975.6	5843.5	5727.2	5610.8	5519.2
7239.4	12.5°	6991.2	6759.9	6528.6	6338.3	6148.0	5977.9	5854.9	5759.7	5664.9	5604.0
7335.6	15°	7066.3	6800.0	6533.7	6313.4	6093.1	5904.6	5806.2	5760.6	5715.2	5723.5
7381.6	17.5°	7087.8	6778.7	6469.6	6204.6	5939.7	5718.0	5657.3	5674.0	5690.5	5790.4
7417.6	20°	7094.7	6720.1	6345.4	6017.1	5688.7	5430.6	5414.6	5492.4	5570.3	5743.6
7466.1	22.5°	7103.9	6648.2	6192.5	5797.0	5401.5	5107.7	5139.1	5254.3	5369.5	5567.3
7554.1	25°	7140.1	6577.2	6014.5	5551.3	5088.3	4787.1	4871.9	5004.7	5137.5	5315.4
7691.5	27.5°	7215.6	6529.8	5843.9	5326.6	4809.3	4535.2	4638.3	4766.5	4894.8	5041.1
7869.4	30°	7319.1	6507.6	5695.6	5138.9	4582.2	4352.0	4432.9	4534.6	4636.7	4758.0
8055.1	32.5°	7408.4	6480.1	5551.3	4977.0	4402.4	4216.9	4252.9	4313.1	4373.3	4470.2
8266.7	35°	7473.9	6428.3	5383.2	4817.8	4252.4	4097.9	4083.0	4099.5	4116.2	4190.1
8503.7	37.5°	7512.9	6339.7	5166.6	4630.5	4094.4	3959.3	3904.8	3886.5	3868.2	3921.3
8804.6	40°	7537.4	6217.7	4898.2	4407.0	3915.8	3793.3	3709.7	3668.3	3626.8	3665.1
9198.3	42.5°	7583.8	6091.7	4600.0	4160.4	3720.7	3607.8	3502.5	3447.5	3392.6	3423.7
9716.2	45°	7665.6	5974.7	4284.0	3898.4	3512.8	3398.3	3296.4	3242.8	3189.4	3215.5
10268.1	47.5°	7721.7	5878.1	4034.4	3691.2	3347.9	3200.2	3112.5	3067.6	3022.7	3047.5
10780.1	50°	7685.1	5772.7	3860.4	3553.5	3246.7	3052.5	2950.6	2910.8	2871.1	2909.6
11112.6	52.5°	7459.5	5594.8	3730.3	3462.9	3195.6	2972.3	2829.9	2790.5	2751.4	2809.3
11039.4	55°	6993.5	5299.9	3606.2	3397.1	3188.1	2980.4	2765.8	2703.5	2641.5	2723.7
10523.7	57.5°	6300.8	4884.0	3467.0	3319.3	3171.6	2988.4	2727.3	2636.6	2546.0	2634.4
9564.0	60°	5371.8	4344.0	3316.3	3200.2	3084.1	2963.2	2691.1	2573.7	2456.0	2533.6
8266.2	62.5°	4325.2	3697.8	3070.4	2993.2	2916.2	2901.4	2649.0	2502.0	2355.2	2404.4
6942.2	65°	3409.3	3116.4	2823.5	2787.1	2750.7	2752.5	2560.2	2404.0	2247.6	2266.6
5645.2	67.5°	2640.8	2557.6	2474.3	2494.7	2514.8	2509.8	2401.7	2271.6	2141.6	2135.6
4444.8	70°	2000.3	2024.1	2047.7	2142.0	2236.1	2236.1	2200.6	2108.1	2015.6	1995.0
3398.1	72.5°	1543.0	1614.6	1686.5	1820.3	1953.8	1976.2	1976.7	1913.2	1849.8	1819.6
2466.3	75°	1198.1	1263.1	1328.2	1477.9	1627.7	1731.2	1722.5	1673.7	1624.7	1595.9
1671.2	77.5°	922.4	966.6	1011.0	1156.4	1301.8	1472.4	1467.9	1428.7	1389.5	1360.2
1076.7	80°	691.6	709.9	728.2	851.4	974.4	1178.2	1177.5	1144.7	1111.8	1087.3
662.3	82.5°	494.2	497.4	501.0	591.7	682.4	856.4	866.1	850.0	834.0	816.6
354.0	85°	298.8	297.2	295.4	361.8	428.2	557.6	570.2	553.0	535.8	516.4
146.8	87.5°	131.0	129.4	127.8	154.8	182.1	235.9	251.9	245.0	238.2	234.5
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5967.6	0°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
5738.6	2.5°	5704.0	5669.4	5634.6	5600.1	5573.3	5546.2	5524.5	5502.7	5485.8	5468.8
5548.1	5°	5486.7	5425.3	5369.7	5313.8	5271.0	5227.9	5197.9	5167.9	5146.7	5125.4
5430.6	7.5°	5353.4	5276.0	5207.8	5139.8	5088.7	5037.9	5002.2	4966.4	4941.9	4917.7
5427.6	10°	5344.5	5261.2	5184.4	5107.7	5046.8	4985.7	4945.8	4905.5	4882.4	4859.3
5543.5	12.5°	5478.0	5413.0	5333.5	5254.3	5176.4	5098.6	5047.0	4995.5	4969.6	4944.0
5731.7	15°	5714.8	5697.8	5628.9	5560.0	5449.2	5338.3	5260.0	5181.7	5145.7	5110.0
5890.2	17.5°	5943.3	5996.2	5940.6	5885.2	5738.4	5591.6	5476.2	5360.8	5307.6	5254.3
5917.2	20°	6028.3	6139.3	6113.7	6087.8	5920.0	5752.3	5610.8	5469.5	5401.5	5333.3
5765.6	22.5°	5910.1	6054.6	6070.2	6085.5	5925.2	5764.9	5619.3	5473.4	5401.8	5329.8
5493.6	25°	5635.8	5778.0	5831.1	5884.0	5752.6	5621.4	5491.7	5362.6	5300.3	5238.3
5187.2	27.5°	5301.2	5415.3	5474.3	5533.7	5440.0	5346.6	5246.0	5145.5	5103.8	5061.9
4879.4	30°	4974.0	5068.8	5116.9	5165.0	5093.8	5022.3	4950.4	4878.0	4856.7	4835.2
4567.3	32.5°	4658.0	4748.9	4802.2	4855.8	4790.3	4724.6	4667.1	4609.7	4595.7	4581.7
4263.9	35°	4353.6	4443.6	4507.8	4571.9	4525.2	4478.7	4425.5	4372.7	4351.4	4330.3
3974.2	37.5°	4063.7	4153.5	4232.7	4312.0	4290.4	4268.9	4220.1	4171.1	4132.4	4094.0
3703.3	40°	3789.9	3876.4	3967.6	4058.9	4064.2	4069.2	4027.8	3986.3	3930.0	3874.1
3455.1	42.5°	3537.1	3619.3	3717.7	3816.2	3842.5	3868.9	3833.8	3799.0	3729.2	3659.3
3242.1	45°	3320.0	3397.8	3500.0	3602.1	3639.9	3677.7	3646.1	3614.7	3534.8	3455.1
3072.0	47.5°	3148.2	3224.2	3325.0	3425.8	3469.3	3512.8	3490.8	3468.8	3397.8	3326.8
2948.3	50°	3020.2	3091.9	3182.1	3272.3	3328.2	3384.1	3382.7	3381.8	3325.0	3268.2
2867.0	52.5°	2933.0	2998.7	3082.7	3167.0	3233.2	3299.4	3311.3	3323.2	3276.9	3230.7
2805.6	55°	2876.6	2947.6	3021.4	3094.9	3164.9	3235.2	3251.7	3268.2	3227.9	3187.6
2722.7	57.5°	2806.1	2889.5	2962.3	3035.3	3106.1	3176.6	3193.3	3210.0	3169.3	3128.5
2611.0	60°	2706.7	2802.4	2876.4	2950.6	3021.6	3092.6	3110.9	3129.2	3089.4	3049.7
2453.7	62.5°	2565.2	2676.9	2755.9	2835.0	2900.0	2965.0	2982.7	3000.3	2964.3	2928.4
2285.4	65°	2404.9	2524.7	2600.2	2675.8	2733.1	2790.3	2808.4	2826.3	2791.7	2757.1
2129.6	67.5°	2240.0	2350.6	2422.3	2493.8	2543.2	2592.7	2610.3	2627.7	2595.9	2564.3
1974.4	70°	2071.5	2168.6	2230.4	2292.2	2336.9	2381.5	2398.5	2415.4	2389.6	2363.7
1789.6	72.5°	1866.1	1942.3	1998.2	2054.1	2097.8	2141.6	2161.7	2181.9	2160.3	2138.8
1566.8	75°	1623.6	1680.4	1731.0	1781.6	1821.4	1861.3	1882.3	1903.4	1892.9	1882.3
1330.9	77.5°	1377.2	1423.2	1466.7	1510.2	1552.1	1593.8	1613.5	1633.2	1618.5	1603.4
1062.5	80°	1101.0	1139.2	1175.9	1212.5	1244.4	1276.0	1302.1	1328.2	1321.8	1315.6
799.2	82.5°	796.0	792.8	780.0	767.1	834.9	902.7	947.1	991.5	988.8	985.8
496.9	85°	480.4	463.7	428.2	392.7	456.2	519.8	574.8	629.7	625.2	620.6
230.8	87.5°	230.1	229.5	202.4	175.2	201.7	228.5	250.7	273.0	267.5	261.5
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5967.6	0°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
5453.3	2.5°	5437.5	5418.0	5437.5	5453.3	5468.8	5485.8	5502.7	5524.5	5546.2	5573.3
5109.1	5°	5092.8	5076.8	5092.8	5109.1	5125.4	5146.7	5167.9	5197.9	5227.9	5271.0
4903.0	7.5°	4888.6	4877.6	4888.6	4903.0	4917.7	4941.9	4966.4	5002.2	5037.9	5088.7
4846.9	10°	4834.5	4829.5	4834.5	4846.9	4859.3	4882.4	4905.5	4945.8	4985.7	5046.8
4933.5	12.5°	4922.9	4921.1	4922.9	4933.5	4944.0	4969.6	4995.5	5047.0	5098.6	5176.4
5096.3	15°	5082.5	5081.4	5082.5	5096.3	5110.0	5145.7	5181.7	5260.0	5338.3	5449.2
5236.9	17.5°	5219.2	5216.5	5219.2	5236.9	5254.3	5307.6	5360.8	5476.2	5591.6	5738.4
5311.5	20°	5289.8	5282.9	5289.8	5311.5	5333.3	5401.5	5469.5	5610.8	5752.3	5920.0
5305.8	22.5°	5281.8	5271.5	5281.8	5305.8	5329.8	5401.8	5473.4	5619.3	5764.9	5925.2
5215.6	25°	5193.1	5179.9	5193.1	5215.6	5238.3	5300.3	5362.6	5491.7	5621.4	5752.6
5051.6	27.5°	5041.3	5037.9	5041.3	5051.6	5061.9	5103.8	5145.5	5246.0	5346.6	5440.0
4835.2	30°	4835.2	4838.7	4835.2	4835.2	4835.2	4856.7	4878.0	4950.4	5022.3	5093.8
4583.6	32.5°	4585.6	4589.1	4585.6	4583.6	4581.7	4595.7	4609.7	4667.1	4724.6	4790.3
4325.7	35°	4321.1	4318.8	4321.1	4325.7	4330.3	4351.4	4372.7	4425.5	4478.7	4525.2
4073.6	37.5°	4053.2	4041.8	4053.2	4073.6	4094.0	4132.4	4171.1	4220.1	4268.9	4290.4
3836.1	40°	3798.6	3776.1	3798.6	3836.1	3874.1	3930.0	3986.3	4027.8	4069.2	4064.2
3604.1	42.5°	3549.0	3512.8	3549.0	3604.1	3659.3	3729.2	3799.0	3833.8	3868.9	3842.5
3390.3	45°	3325.5	3283.8	3325.5	3390.3	3455.1	3534.8	3614.7	3646.1	3677.7	3639.9
3266.8	47.5°	3207.1	3167.0	3207.1	3266.8	3326.8	3397.8	3468.8	3490.8	3512.8	3469.3
3212.8	50°	3157.4	3118.9	3157.4	3212.8	3268.2	3325.0	3381.8	3382.7	3384.1	3328.2
3181.0	52.5°	3131.5	3096.0	3131.5	3181.0	3230.7	3276.9	3323.2	3311.3	3299.4	3233.2
3144.1	55°	3100.6	3068.5	3100.6	3144.1	3187.6	3227.9	3268.2	3251.7	3235.2	3164.9
3085.5	57.5°	3042.2	3009.0	3042.2	3085.5	3128.5	3169.3	3210.0	3193.3	3176.6	3106.1
3005.3	60°	2960.9	2926.6	2960.9	3005.3	3049.7	3089.4	3129.2	3110.9	3092.6	3021.6
2881.7	62.5°	2835.0	2793.7	2835.0	2881.7	2928.4	2964.3	3000.3	2982.7	2965.0	2900.0
2711.8	65°	2666.6	2631.1	2666.6	2711.8	2757.1	2791.7	2826.3	2808.4	2790.3	2733.1
2522.1	67.5°	2480.0	2448.0	2480.0	2522.1	2564.3	2595.9	2627.7	2610.3	2592.7	2543.2
2323.4	70°	2283.1	2246.4	2283.1	2323.4	2363.7	2389.6	2415.4	2398.5	2381.5	2336.9
2100.3	72.5°	2062.1	2026.6	2062.1	2100.3	2138.8	2160.3	2181.9	2161.7	2141.6	2097.8
1850.0	75°	1817.8	1783.9	1817.8	1850.0	1882.3	1892.9	1903.4	1882.3	1861.3	1821.4
1570.9	77.5°	1538.4	1511.4	1538.4	1570.9	1603.4	1618.5	1633.2	1613.5	1593.8	1552.1
1271.8	80°	1227.9	1177.0	1227.9	1271.8	1315.6	1321.8	1328.2	1302.1	1276.0	1244.4
949.0	82.5°	911.9	879.3	911.9	949.0	985.8	988.8	991.5	947.1	902.7	834.9
591.7	85°	562.9	533.6	562.9	591.7	620.6	625.2	629.7	574.8	519.8	456.2
246.9	87.5°	231.7	217.5	231.7	246.9	261.5	267.5	273.0	250.7	228.5	201.7
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°
5967.6	0°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
5600.1	2.5°	5634.6	5669.4	5704.0	5738.6	5778.0	5817.6	5861.3	5905.3	5959.6	6008.4
5313.8	5°	5369.7	5425.3	5486.7	5548.1	5617.5	5687.1	5770.2	5853.1	5948.1	6044.3
5139.8	7.5°	5207.8	5276.0	5353.4	5430.6	5522.2	5613.8	5723.9	5834.3	5957.3	6088.5
5107.7	10°	5184.4	5261.2	5344.5	5427.6	5519.2	5610.8	5727.2	5843.5	5975.6	6137.5
5254.3	12.5°	5333.5	5413.0	5478.0	5543.5	5604.0	5664.9	5759.7	5854.9	5977.9	6148.0
5560.0	15°	5628.9	5697.8	5714.8	5731.7	5723.5	5715.2	5760.6	5806.2	5904.6	6093.1
5885.2	17.5°	5940.6	5996.2	5943.3	5890.2	5790.4	5690.5	5674.0	5657.3	5718.0	5939.7
6087.8	20°	6113.7	6139.3	6028.3	5917.2	5743.6	5570.3	5492.4	5414.6	5430.6	5688.7
6085.5	22.5°	6070.2	6054.6	5910.1	5765.6	5567.3	5369.5	5254.3	5139.1	5107.7	5401.5
5884.0	25°	5831.1	5778.0	5635.8	5493.6	5315.4	5137.5	5004.7	4871.9	4787.1	5088.3
5533.7	27.5°	5474.3	5415.3	5301.2	5187.2	5041.1	4894.8	4766.5	4638.3	4535.2	4809.3
5165.0	30°	5116.9	5068.8	4974.0	4879.4	4758.0	4636.7	4534.6	4432.9	4352.0	4582.2
4855.8	32.5°	4802.2	4748.9	4658.0	4567.3	4470.2	4373.3	4313.1	4252.9	4216.9	4402.4
4571.9	35°	4507.8	4443.6	4353.6	4263.9	4190.1	4116.2	4099.5	4083.0	4097.9	4252.4
4312.0	37.5°	4232.7	4153.5	4063.7	3974.2	3921.3	3868.2	3886.5	3904.8	3959.3	4094.4
4058.9	40°	3967.6	3876.4	3789.9	3703.3	3665.1	3626.8	3668.3	3709.7	3793.3	3915.8
3816.2	42.5°	3717.7	3619.3	3537.1	3455.1	3423.7	3392.6	3447.5	3502.5	3607.8	3720.7
3602.1	45°	3500.0	3397.8	3320.0	3242.1	3215.5	3189.4	3242.8	3296.4	3398.3	3512.8
3425.8	47.5°	3325.0	3224.2	3148.2	3072.0	3047.5	3022.7	3067.6	3112.5	3200.2	3347.9
3272.3	50°	3182.1	3091.9	3020.2	2948.3	2909.6	2871.1	2910.8	2950.6	3052.5	3246.7
3167.0	52.5°	3082.7	2998.7	2933.0	2867.0	2809.3	2751.4	2790.5	2829.9	2972.3	3195.6
3094.9	55°	3021.4	2947.6	2876.6	2805.6	2723.7	2641.5	2703.5	2765.8	2980.4	3188.1
3035.3	57.5°	2962.3	2889.5	2806.1	2722.7	2634.4	2546.0	2636.6	2727.3	2988.4	3171.6
2950.6	60°	2876.4	2802.4	2706.7	2611.0	2533.6	2456.0	2573.7	2691.1	2963.2	3084.1
2835.0	62.5°	2755.9	2676.9	2565.2	2453.7	2404.4	2355.2	2502.0	2649.0	2901.4	2916.2
2675.8	65°	2600.2	2524.7	2404.9	2285.4	2266.6	2247.6	2404.0	2560.2	2752.5	2750.7
2493.8	67.5°	2422.3	2350.6	2240.0	2129.6	2135.6	2141.6	2271.6	2401.7	2509.8	2514.8
2292.2	70°	2230.4	2168.6	2071.5	1974.4	1995.0	2015.6	2108.1	2200.6	2236.1	2236.1
2054.1	72.5°	1998.2	1942.3	1866.1	1789.6	1819.6	1849.8	1913.2	1976.7	1976.2	1953.8
1781.6	75°	1731.0	1680.4	1623.6	1566.8	1595.9	1624.7	1673.7	1722.5	1731.2	1627.7
1510.2	77.5°	1466.7	1423.2	1377.2	1330.9	1360.2	1389.5	1428.7	1467.9	1472.4	1301.8
1212.5	80°	1175.9	1139.2	1101.0	1062.5	1087.3	1111.8	1144.7	1177.5	1178.2	974.4
767.1	82.5°	780.0	792.8	796.0	799.2	816.6	834.0	850.0	866.1	856.4	682.4
392.7	85°	428.2	463.7	480.4	496.9	516.4	535.8	553.0	570.2	557.6	428.2
175.2	87.5°	202.4	229.5	230.1	230.8	234.5	238.2	245.0	251.9	235.9	182.1
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°
5967.6	0°	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6	5967.6
6058.7	2.5°	6109.1	6161.8	6214.5	6266.7	6319.1	6368.3	6417.6
6146.2	5°	6248.1	6357.1	6466.3	6574.7	6683.2	6792.0	6900.8
6230.7	7.5°	6372.9	6534.4	6695.8	6861.6	7027.4	7206.7	7386.2
6306.1	10°	6474.1	6670.4	6866.4	7085.3	7304.5	7531.4	7758.3
6338.3	12.5°	6528.6	6759.9	6991.2	7239.4	7487.7	7736.8	7986.2
6313.4	15°	6533.7	6800.0	7066.3	7335.6	7604.9	7864.8	8124.7
6204.6	17.5°	6469.6	6778.7	7087.8	7381.6	7675.4	7939.0	8202.6
6017.1	20°	6345.4	6720.1	7094.7	7417.6	7740.5	8014.6	8288.5
5797.0	22.5°	6192.5	6648.2	7103.9	7466.1	7828.2	8108.2	8388.1
5551.3	25°	6014.5	6577.2	7140.1	7554.1	7967.9	8242.0	8516.3
5326.6	27.5°	5843.9	6529.8	7215.6	7691.5	8167.1	8428.8	8690.3
5138.9	30°	5695.6	6507.6	7319.1	7869.4	8419.7	8672.3	8925.1
4977.0	32.5°	5551.3	6480.1	7408.4	8055.1	8701.8	8951.9	9202.1
4817.8	35°	5383.2	6428.3	7473.9	8266.7	9059.5	9299.2	9538.8
4630.5	37.5°	5166.6	6339.7	7512.9	8503.7	9494.6	9800.1	10105.5
4407.0	40°	4898.2	6217.7	7537.4	8804.6	10071.6	10516.8	10962.0
4160.4	42.5°	4600.0	6091.7	7583.8	9198.3	10812.7	11455.2	12097.8
3898.4	45°	4284.0	5974.7	7665.6	9716.2	11766.9	12633.6	13500.4
3691.2	47.5°	4034.4	5878.1	7721.7	10268.1	12814.5	14034.6	15254.5
3553.5	50°	3860.4	5772.7	7685.1	10780.1	13875.2	15714.5	17553.6
3462.9	52.5°	3730.3	5594.8	7459.5	11112.6	14765.6	17479.2	20192.7
3397.1	55°	3606.2	5299.9	6993.5	11039.4	15085.0	19043.6	23002.5
3319.3	57.5°	3467.0	4884.0	6300.8	10523.7	14746.8	20152.4	25558.1
3200.2	60°	3316.3	4344.0	5371.8	9564.0	13756.2	20429.5	27102.7
2993.2	62.5°	3070.4	3697.8	4325.2	8266.2	12207.2	19262.8	26318.3
2787.1	65°	2823.5	3116.4	3409.3	6942.2	10475.4	17612.0	24748.6
2494.7	67.5°	2474.3	2557.6	2640.8	5645.2	8649.6	15647.4	22645.3
2142.0	70°	2047.7	2024.1	2000.3	4444.8	6889.3	13503.8	20118.3
1820.3	72.5°	1686.5	1614.6	1543.0	3398.1	5253.1	11180.0	17107.0
1477.9	75°	1328.2	1263.1	1198.1	2466.3	3734.4	8516.1	13297.7
1156.4	77.5°	1011.0	966.6	922.4	1671.2	2420.0	5960.5	9501.0
851.4	80°	728.2	709.9	691.6	1076.7	1462.1	3840.2	6218.3
591.7	82.5°	501.0	497.4	494.2	662.3	830.8	2222.6	3614.7
361.8	85°	295.4	297.2	298.8	354.0	409.4	999.8	1590.4
154.8	87.5°	127.8	129.4	131.0	146.8	162.6	327.5	492.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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