

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: P956348

Luminaire Tested: **GALN-SB9A-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956348
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-SB9A-740-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43072 lumens
Efficiency: N/A
Efficacy: 168.6 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

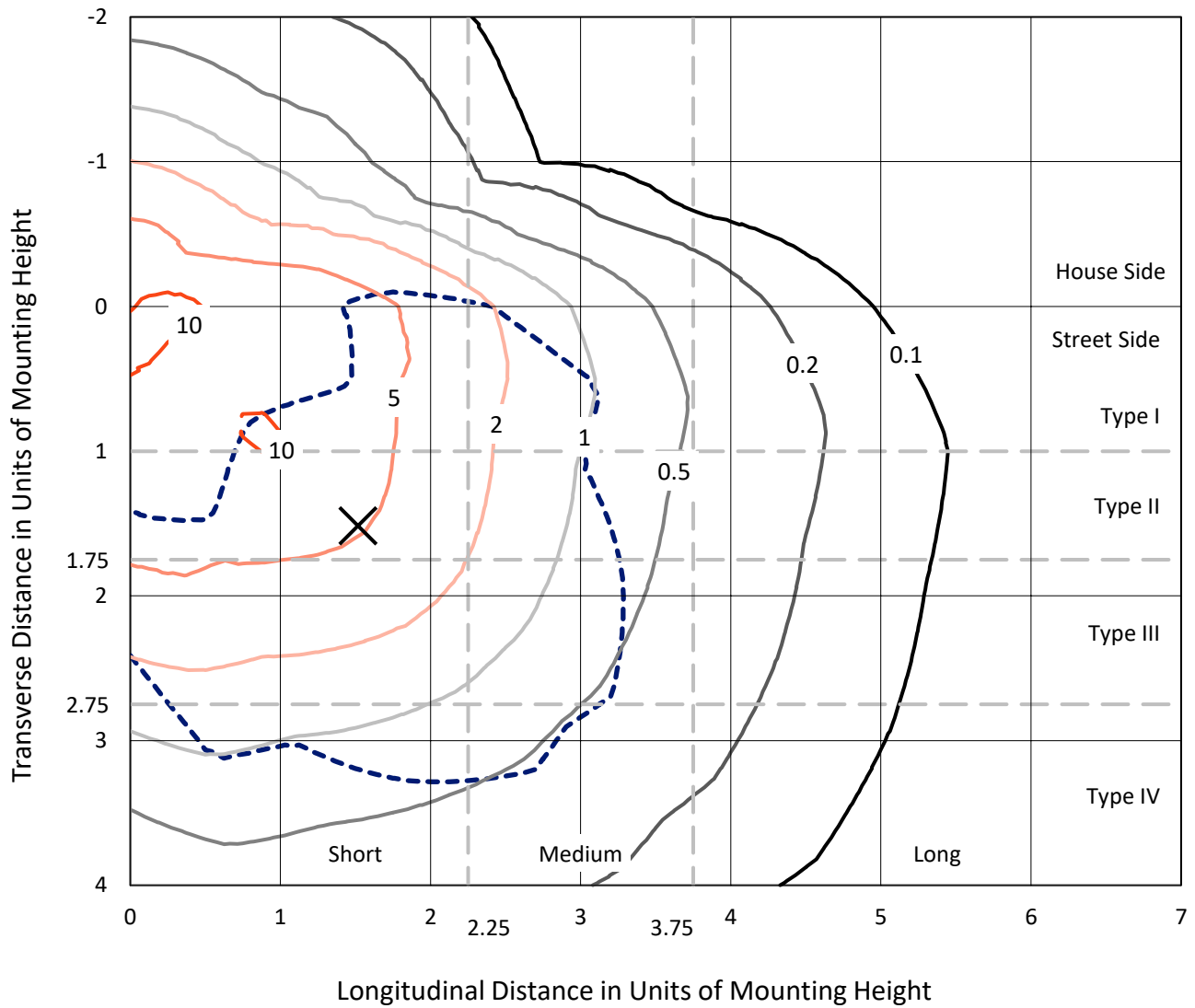
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

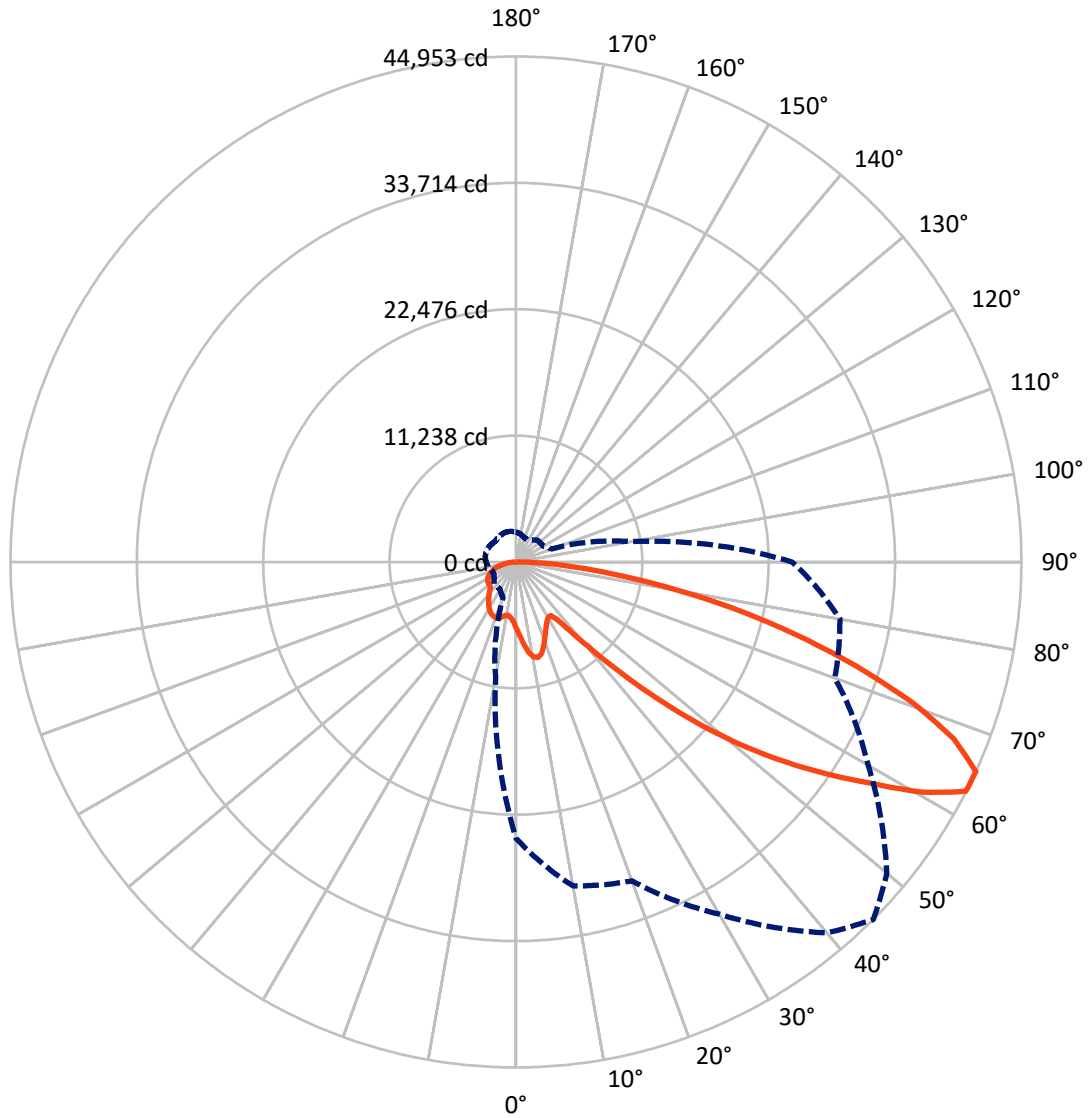
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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	10946.7	0.0	10946.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	32125.3	0.0	32125.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	43072.0	0.0	43072.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.5	1.4
10°-20°	1844.4	4.3
20°-30°	2848.9	6.6
30°-40°	3610.3	8.4
40°-50°	5445.3	12.6
50°-60°	8797.7	20.4
60°-70°	10967.7	25.5
70°-80°	7192.1	16.7
80°-90°	1778.1	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°	43072.0	100.0
0°-180°	43072.0	100.0



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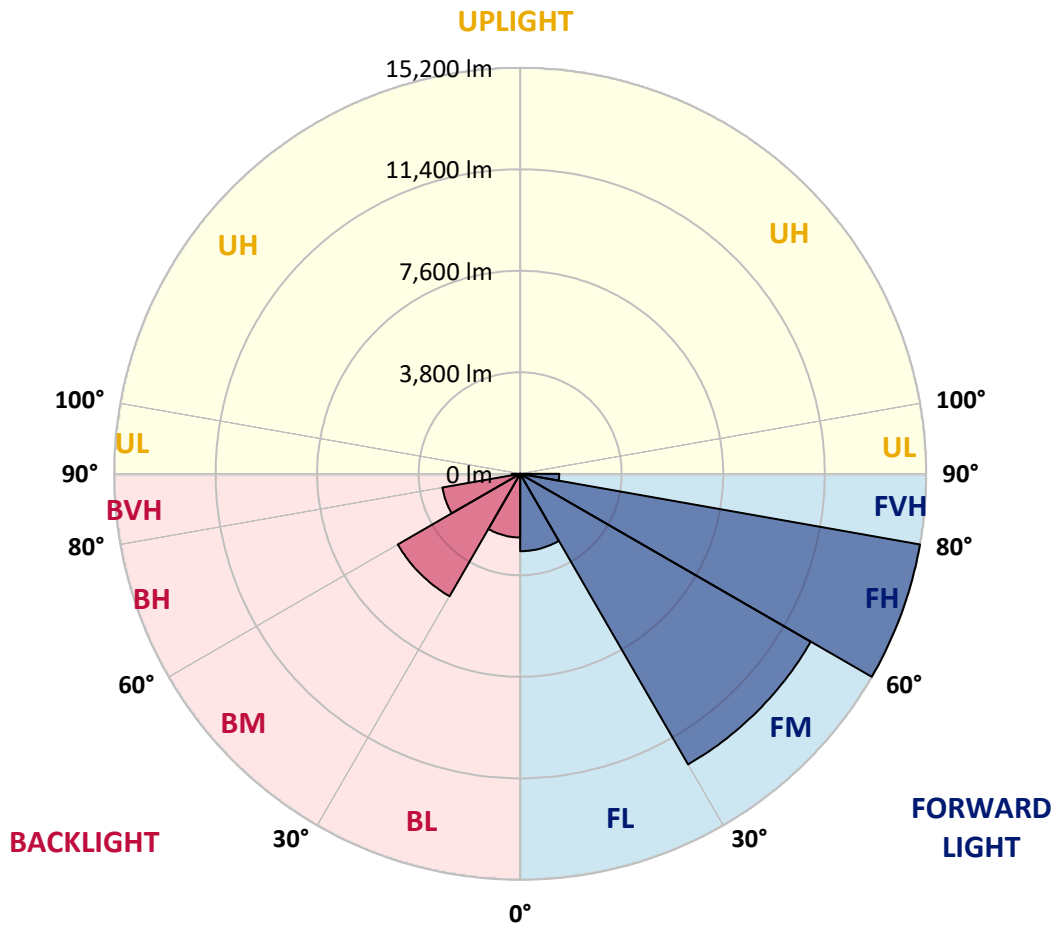
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2897.1	6.7			
FM (30°-60°)	12563.2	29.2			
FH (60°-80°)	15200.3	35.3			G5
FVH (80°-90°)	1464.7	3.4			G5
BL (0°-30°)	2383.8	5.5	B3/2500		
BM (30°-60°)	5290.1	12.3	B4/8500		
BH (60°-80°)	2959.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	313.3	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°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
2.5°	6369.4	6393.5	6417.8	6452.1	6486.4	6506.9	6527.3	6537.5	6547.8	6543.2
5°	6848.9	6933.2	7017.8	7101.4	7185.3	7230.7	7276.2	7303.7	7331.4	7352.3
7.5°	7330.7	7468.0	7605.1	7728.5	7851.9	7926.2	8000.5	8040.7	8080.7	8100.1
10°	7700.1	7862.3	8024.6	8169.4	8314.2	8401.9	8489.2	8528.2	8567.1	8581.9
12.5°	7926.2	8102.1	8277.8	8408.7	8539.2	8602.8	8666.4	8687.8	8709.2	8711.4
15°	8063.7	8215.5	8367.1	8449.2	8531.4	8533.7	8536.0	8513.2	8490.5	8463.7
17.5°	8141.0	8243.5	8346.0	8347.6	8348.9	8256.9	8164.8	8080.5	7996.0	7936.4
20°	8226.2	8261.9	8297.8	8189.8	8081.9	7878.7	7675.5	7527.6	7379.6	7288.7
22.5°	8325.1	8278.2	8231.4	8007.8	7784.1	7485.3	7186.4	7001.4	6816.4	6716.0
25°	8452.3	8304.6	8156.9	7817.3	7477.8	7114.8	6751.9	6557.3	6363.2	6268.2
27.5°	8625.1	8361.0	8096.7	7646.9	7197.3	6795.1	6392.8	6201.4	6010.3	5920.5
30°	8858.0	8464.2	8070.5	7516.9	6963.2	6544.1	6125.0	5947.5	5770.0	5686.4
32.5°	9133.0	8593.7	8054.6	7428.2	6801.9	6408.0	6014.1	5874.8	5735.3	5675.0
35°	9467.1	8807.1	8147.3	7494.6	6842.1	6568.5	6295.0	6262.5	6230.0	6225.0
37.5°	10029.6	9253.3	8476.9	7883.7	7290.5	7272.8	7255.1	7403.7	7552.3	7629.6
40°	10879.6	10035.3	9191.0	8749.8	8308.7	8620.1	8931.4	9292.8	9654.2	9834.2
42.5°	12006.9	11169.2	10331.4	10077.3	9823.3	10502.4	11181.4	11838.7	12496.0	12881.9
45°	13399.0	12646.5	11893.7	11781.7	11669.4	12757.4	13845.6	14925.6	16005.8	16661.5
47.5°	15139.9	14407.8	13675.6	13652.8	13630.1	15199.7	16768.8	18349.9	19930.8	20859.2
50°	17421.7	16517.4	15613.3	15617.2	15621.0	17643.8	19666.5	21753.6	23840.6	25102.5
52.5°	20041.1	18946.0	17851.3	17740.6	17629.7	20045.8	22462.0	25044.3	27626.3	29138.9
55°	22829.7	21747.9	20666.1	20234.5	19802.9	22492.0	25180.9	28259.3	31337.7	33136.6
57.5°	25366.1	24777.0	24187.7	23322.0	22456.5	25171.8	27887.0	31373.9	34860.5	37091.2
60°	26899.1	27814.1	28729.3	27654.3	26579.3	29148.9	31718.4	35451.6	39184.8	41595.8
62.5°	26120.6	28620.9	31121.1	31000.0	30878.6	33232.5	35586.6	39138.5	42690.1	44918.5
65°	24562.7	26909.3	29255.9	29720.2	30184.3	33175.7	36167.3	39611.4	43055.3	44952.6
67.5°	22475.2	24707.0	26938.8	27156.6	27374.1	30490.9	33607.5	37066.4	40525.3	42011.7
70°	19967.2	22394.7	24822.5	24919.7	25017.2	27804.5	30591.6	33568.2	36544.6	37370.7
72.5°	16978.5	19764.2	22550.2	22620.2	22689.9	24870.6	27051.3	29280.7	31509.8	31593.4
75°	13197.8	16081.0	18964.2	19223.1	19482.0	21178.6	22875.2	24444.5	26013.8	25593.4
77.5°	9429.6	12121.0	14812.6	15183.1	15553.5	16843.3	18133.1	19246.1	20359.2	19636.5
80°	6171.6	8436.0	10700.1	11160.5	11621.0	12595.1	13568.7	14153.3	14737.6	13575.1
82.5°	3587.5	5135.5	6683.7	7198.0	7712.6	8383.0	9053.5	9297.3	9541.0	8627.3
85°	1578.4	2400.0	3221.6	3659.1	4096.6	4647.5	5198.2	5336.6	5475.0	4743.2
87.5°	488.6	764.8	1040.9	1285.0	1529.1	1804.6	2080.0	2091.8	2103.4	1765.9
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°
5922.8	0°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
6547.8	2.5°	6537.5	6527.3	6506.9	6486.4	6452.1	6417.8	6393.5	6369.4	6320.5	6271.6
7331.4	5°	7303.7	7276.2	7230.7	7185.3	7101.4	7017.8	6933.2	6848.9	6741.0	6633.0
8080.7	7.5°	8040.7	8000.5	7926.2	7851.9	7728.5	7605.1	7468.0	7330.7	7152.6	6974.6
8567.1	10°	8528.2	8489.2	8401.9	8314.2	8169.4	8024.6	7862.3	7700.1	7474.8	7249.6
8709.2	12.5°	8687.8	8666.4	8602.8	8539.2	8408.7	8277.8	8102.1	7926.2	7678.7	7431.4
8490.5	15°	8513.2	8536.0	8533.7	8531.4	8449.2	8367.1	8215.5	8063.7	7805.7	7547.8
7996.0	17.5°	8080.5	8164.8	8256.9	8348.9	8347.6	8346.0	8243.5	8141.0	7879.4	7617.8
7379.6	20°	7527.6	7675.5	7878.7	8081.9	8189.8	8297.8	8261.9	8226.2	7954.4	7682.3
6816.4	22.5°	7001.4	7186.4	7485.3	7784.1	8007.8	8231.4	8278.2	8325.1	8047.3	7769.4
6363.2	25°	6557.3	6751.9	7114.8	7477.8	7817.3	8156.9	8304.6	8452.3	8180.1	7908.0
6010.3	27.5°	6201.4	6392.8	6795.1	7197.3	7646.9	8096.7	8361.0	8625.1	8365.5	8105.7
5770.0	30°	5947.5	6125.0	6544.1	6963.2	7516.9	8070.5	8464.2	8858.0	8607.1	8356.4
5735.3	32.5°	5874.8	6014.1	6408.0	6801.9	7428.2	8054.6	8593.7	9133.0	8884.6	8636.4
6230.0	35°	6262.5	6295.0	6568.5	6842.1	7494.6	8147.3	8807.1	9467.1	9229.4	8991.4
7552.3	37.5°	7403.7	7255.1	7272.8	7290.5	7883.7	8476.9	9253.3	10029.6	9726.4	9423.3
9654.2	40°	9292.8	8931.4	8620.1	8308.7	8749.8	9191.0	10035.3	10879.6	10437.8	9996.0
12496.0	42.5°	11838.7	11181.4	10502.4	9823.3	10077.3	10331.4	11169.2	12006.9	11369.2	10731.4
16005.8	45°	14925.6	13845.6	12757.4	11669.4	11781.7	11893.7	12646.5	13399.0	12538.7	11678.5
19930.8	47.5°	18349.9	16768.8	15199.7	13630.1	13652.8	13675.6	14407.8	15139.9	13929.2	12718.3
23840.6	50°	21753.6	19666.5	17643.8	15621.0	15617.2	15613.3	16517.4	17421.7	15596.5	13771.0
27626.3	52.5°	25044.3	22462.0	20045.8	17629.7	17740.6	17851.3	18946.0	20041.1	17347.9	14654.7
31337.7	55°	28259.3	25180.9	22492.0	19802.9	20234.5	20666.1	21747.9	22829.7	18900.6	14971.7
34860.5	57.5°	31373.9	27887.0	25171.8	22456.5	23322.0	24187.7	24777.0	25366.1	20001.1	14636.0
39184.8	60°	35451.6	31718.4	29148.9	26579.3	27654.3	28729.3	27814.1	26899.1	20276.1	13652.8
42690.1	62.5°	39138.5	35586.6	33232.5	30878.6	31000.0	31121.1	28620.9	26120.6	19118.1	12115.5
43055.3	65°	39611.4	36167.3	33175.7	30184.3	29720.2	29255.9	26909.3	24562.7	17479.7	10396.7
40525.3	67.5°	37066.4	33607.5	30490.9	27374.1	27156.6	26938.8	24707.0	22475.2	15529.9	8584.6
36544.6	70°	33568.2	30591.6	27804.5	25017.2	24919.7	24822.5	22394.7	19967.2	13402.4	6837.6
31509.8	72.5°	29280.7	27051.3	24870.6	22689.9	22620.2	22550.2	19764.2	16978.5	11096.0	5213.7
26013.8	75°	24444.5	22875.2	21178.6	19482.0	19223.1	18964.2	16081.0	13197.8	8452.1	3706.4
20359.2	77.5°	19246.1	18133.1	16843.3	15553.5	15183.1	14812.6	12121.0	9429.6	5915.7	2401.8
14737.6	80°	14153.3	13568.7	12595.1	11621.0	11160.5	10700.1	8436.0	6171.6	3811.4	1451.1
9541.0	82.5°	9297.3	9053.5	8383.0	7712.6	7198.0	6683.7	5135.5	3587.5	2205.9	824.6
5475.0	85°	5336.6	5198.2	4647.5	4096.6	3659.1	3221.6	2400.0	1578.4	992.3	406.4
2103.4	87.5°	2091.8	2080.0	1804.6	1529.1	1285.0	1040.9	764.8	488.6	325.0	161.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5922.8	0°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
6219.6	2.5°	6167.8	6115.5	6063.2	6013.2	5963.2	5914.8	5861.0	5817.3	5773.9	5734.6
6525.3	5°	6417.8	6309.4	6201.2	6100.0	5998.9	5903.5	5809.1	5726.9	5644.4	5575.3
6810.1	7.5°	6645.5	6485.3	6325.0	6183.9	6042.8	5912.5	5790.5	5681.0	5571.6	5480.7
7032.1	10°	6814.8	6620.3	6425.5	6258.7	6091.4	5930.7	5799.6	5684.1	5568.7	5477.8
7185.1	12.5°	6938.7	6709.1	6479.6	6290.7	6101.9	5933.0	5811.0	5716.4	5622.3	5561.9
7280.5	15°	7013.2	6748.9	6484.6	6266.0	6047.3	5860.3	5762.5	5717.3	5672.3	5680.5
7326.2	17.5°	7034.6	6727.8	6421.0	6158.0	5895.0	5675.0	5614.8	5631.4	5647.8	5746.9
7361.9	20°	7041.4	6669.6	6297.8	5971.9	5646.0	5389.8	5373.9	5451.2	5528.4	5700.5
7410.1	22.5°	7050.5	6598.2	6146.0	5753.5	5360.9	5069.4	5100.5	5214.8	5329.1	5525.5
7497.3	25°	7086.4	6527.8	5969.4	5509.6	5050.0	4751.2	4835.3	4967.1	5098.9	5275.5
7633.7	27.5°	7161.4	6480.7	5800.0	5286.6	4773.2	4501.2	4603.4	4730.7	4858.0	5003.2
7810.3	30°	7264.1	6458.7	5652.8	5100.3	4547.8	4319.4	4399.6	4500.5	4601.9	4722.3
7994.6	32.5°	7352.8	6431.4	5509.6	4939.6	4369.4	4185.3	4220.9	4280.7	4340.5	4436.6
8204.6	35°	7417.8	6380.0	5342.8	4781.6	4220.5	4067.1	4052.3	4068.7	4085.3	4158.7
8439.8	37.5°	7456.4	6292.1	5127.8	4595.7	4063.7	3929.6	3875.5	3857.3	3839.1	3891.8
8738.5	40°	7480.7	6171.0	4861.4	4373.9	3886.4	3764.8	3681.8	3640.7	3599.6	3637.5
9129.2	42.5°	7526.9	6046.0	4565.5	4129.1	3692.8	3580.7	3476.2	3421.6	3367.1	3398.0
9643.3	45°	7608.0	5929.8	4251.8	3869.1	3486.4	3372.8	3271.6	3218.4	3165.5	3191.4
10191.0	47.5°	7663.7	5833.9	4004.1	3663.4	3322.8	3176.2	3089.1	3044.6	3000.0	3024.6
10699.2	50°	7627.3	5729.4	3831.4	3526.8	3222.3	3029.6	2928.4	2888.9	2849.6	2887.7
11029.2	52.5°	7403.5	5552.8	3702.3	3436.8	3171.6	2950.0	2808.7	2769.6	2730.7	2788.2
10956.4	55°	6941.0	5260.0	3579.1	3371.6	3164.1	2958.0	2745.0	2683.2	2621.6	2703.2
10444.6	57.5°	6253.5	4847.3	3440.9	3294.3	3147.8	2965.9	2706.8	2616.8	2526.8	2614.6
9492.1	60°	5331.4	4311.4	3291.4	3176.2	3060.9	2940.9	2670.9	2554.3	2437.5	2514.6
8204.2	62.5°	4292.8	3670.0	3047.3	2970.7	2894.3	2879.6	2629.1	2483.2	2337.5	2386.4
6890.1	65°	3383.7	3093.0	2802.3	2766.2	2730.0	2731.8	2540.9	2385.9	2230.7	2249.6
5602.8	67.5°	2620.9	2538.4	2455.7	2475.9	2495.9	2490.9	2383.7	2254.6	2125.5	2119.6
4411.4	70°	1985.2	2008.9	2032.3	2125.9	2219.3	2219.3	2184.1	2092.3	2000.5	1980.0
3372.5	72.5°	1531.4	1602.5	1673.9	1806.6	1939.1	1961.4	1961.8	1898.9	1835.9	1805.9
2447.7	75°	1189.1	1253.6	1318.2	1466.8	1615.5	1718.2	1709.6	1661.1	1612.5	1583.9
1658.6	77.5°	915.5	959.3	1003.4	1147.7	1292.1	1461.4	1456.8	1418.0	1379.1	1350.0
1068.6	80°	686.4	704.6	722.7	845.0	967.1	1169.3	1168.6	1136.1	1103.4	1079.1
657.3	82.5°	490.5	493.6	497.3	587.3	677.3	850.0	859.6	843.6	827.7	810.5
351.4	85°	296.6	295.0	293.2	359.1	425.0	553.4	565.9	548.9	531.8	512.5
145.7	87.5°	130.0	128.4	126.8	153.6	180.7	234.1	250.0	243.2	236.4	232.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5922.8	0°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
5695.5	2.5°	5661.2	5626.9	5592.3	5558.0	5531.4	5504.6	5483.0	5461.4	5444.6	5427.8
5506.4	5°	5445.5	5384.6	5329.4	5273.9	5231.4	5188.7	5158.9	5129.1	5108.0	5086.9
5389.8	7.5°	5313.2	5236.4	5168.7	5101.2	5050.5	5000.0	4964.6	4929.1	4904.8	4880.7
5386.9	10°	5304.4	5221.6	5145.5	5069.4	5008.9	4948.2	4908.7	4868.7	4845.7	4822.8
5501.9	12.5°	5436.9	5372.3	5293.4	5214.8	5137.5	5060.3	5009.1	4958.0	4932.3	4906.9
5688.7	15°	5671.9	5655.0	5586.6	5518.2	5408.2	5298.2	5220.5	5142.8	5107.1	5071.6
5846.0	17.5°	5898.7	5951.2	5896.0	5841.0	5695.3	5549.6	5435.0	5320.5	5267.8	5214.8
5872.8	20°	5983.0	6093.2	6067.8	6042.1	5875.5	5709.1	5568.7	5428.4	5360.9	5293.2
5722.3	22.5°	5865.7	6009.1	6024.6	6039.8	5880.7	5721.6	5577.1	5432.3	5361.2	5289.8
5452.3	25°	5593.5	5734.6	5787.3	5839.8	5709.4	5579.1	5450.5	5322.3	5260.5	5198.9
5148.2	27.5°	5261.4	5374.6	5433.2	5492.1	5399.1	5306.4	5206.6	5106.9	5065.5	5023.9
4842.8	30°	4936.6	5030.7	5078.4	5126.2	5055.5	4984.6	4913.2	4841.4	4820.3	4798.9
4533.0	32.5°	4623.0	4713.2	4766.2	4819.4	4754.4	4689.1	4632.1	4575.0	4561.2	4547.3
4231.8	35°	4320.9	4410.3	4473.9	4537.5	4491.2	4445.0	4392.3	4339.8	4318.7	4297.8
3944.3	37.5°	4033.2	4122.3	4200.9	4279.6	4258.2	4236.8	4188.4	4139.8	4101.4	4063.2
3675.5	40°	3761.4	3847.3	3937.8	4028.4	4033.7	4038.7	3997.5	3956.4	3900.5	3845.0
3429.1	42.5°	3510.5	3592.1	3689.8	3787.5	3813.7	3839.8	3805.0	3770.5	3701.2	3631.8
3217.8	45°	3295.0	3372.3	3473.7	3575.0	3612.5	3650.0	3618.7	3587.5	3508.2	3429.1
3048.9	47.5°	3124.6	3200.0	3300.0	3400.0	3443.2	3486.4	3464.6	3442.8	3372.3	3301.8
2926.2	50°	2997.5	3068.7	3158.2	3247.8	3303.2	3358.7	3357.3	3356.4	3300.0	3243.7
2845.5	52.5°	2910.9	2976.2	3059.6	3143.2	3208.9	3274.6	3286.4	3298.2	3252.3	3206.4
2784.6	55°	2855.0	2925.5	2998.7	3071.6	3141.2	3210.9	3227.3	3243.7	3203.7	3163.7
2702.3	57.5°	2785.0	2867.7	2940.0	3012.5	3082.8	3152.8	3169.3	3185.9	3145.5	3105.0
2591.4	60°	2686.4	2781.4	2854.8	2928.4	2998.9	3069.3	3087.5	3105.7	3066.2	3026.8
2435.2	62.5°	2545.9	2656.8	2735.2	2813.7	2878.2	2942.7	2960.2	2977.7	2942.1	2906.4
2268.2	65°	2386.8	2505.7	2580.7	2655.7	2712.5	2769.3	2787.3	2805.0	2770.7	2736.4
2113.7	67.5°	2223.2	2333.0	2404.1	2475.0	2524.1	2573.2	2590.7	2608.0	2576.4	2545.0
1959.6	70°	2055.9	2152.3	2213.7	2275.0	2319.3	2363.7	2380.5	2397.3	2371.6	2345.9
1776.1	72.5°	1852.1	1927.7	1983.2	2038.7	2082.1	2125.5	2145.5	2165.5	2144.1	2122.7
1555.0	75°	1611.4	1667.7	1718.0	1768.2	1807.7	1847.3	1868.2	1889.1	1878.7	1868.2
1320.9	77.5°	1366.8	1412.5	1455.7	1498.9	1540.5	1581.8	1601.4	1620.9	1606.4	1591.4
1054.6	80°	1092.7	1130.7	1167.1	1203.4	1235.0	1266.4	1292.3	1318.2	1311.8	1305.7
793.2	82.5°	790.0	786.8	774.1	761.4	828.6	895.9	940.0	984.1	981.4	978.4
493.2	85°	476.8	460.2	425.0	389.8	452.7	515.9	570.5	625.0	620.5	615.9
229.1	87.5°	228.4	227.7	200.9	173.9	200.2	226.8	248.9	270.9	265.5	259.5
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°
5922.8	0°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
5412.3	2.5°	5396.6	5377.3	5396.6	5412.3	5427.8	5444.6	5461.4	5483.0	5504.6	5531.4
5070.7	5°	5054.6	5038.7	5054.6	5070.7	5086.9	5108.0	5129.1	5158.9	5188.7	5231.4
4866.2	7.5°	4851.9	4840.9	4851.9	4866.2	4880.7	4904.8	4929.1	4964.6	5000.0	5050.5
4810.5	10°	4798.2	4793.2	4798.2	4810.5	4822.8	4845.7	4868.7	4908.7	4948.2	5008.9
4896.4	12.5°	4885.9	4884.1	4885.9	4896.4	4906.9	4932.3	4958.0	5009.1	5060.3	5137.5
5058.0	15°	5044.4	5043.2	5044.4	5058.0	5071.6	5107.1	5142.8	5220.5	5298.2	5408.2
5197.5	17.5°	5180.0	5177.3	5180.0	5197.5	5214.8	5267.8	5320.5	5435.0	5549.6	5695.3
5271.6	20°	5250.0	5243.2	5250.0	5271.6	5293.2	5360.9	5428.4	5568.7	5709.1	5875.5
5265.9	22.5°	5242.1	5231.9	5242.1	5265.9	5289.8	5361.2	5432.3	5577.1	5721.6	5880.7
5176.4	25°	5154.1	5140.9	5154.1	5176.4	5198.9	5260.5	5322.3	5450.5	5579.1	5709.4
5013.7	27.5°	5003.4	5000.0	5003.4	5013.7	5023.9	5065.5	5106.9	5206.6	5306.4	5399.1
4798.9	30°	4798.9	4802.3	4798.9	4798.9	4798.9	4820.3	4841.4	4913.2	4984.6	5055.5
4549.1	32.5°	4551.2	4554.6	4551.2	4549.1	4547.3	4561.2	4575.0	4632.1	4689.1	4754.4
4293.2	35°	4288.7	4286.4	4288.7	4293.2	4297.8	4318.7	4339.8	4392.3	4445.0	4491.2
4043.0	37.5°	4022.8	4011.4	4022.8	4043.0	4063.2	4101.4	4139.8	4188.4	4236.8	4258.2
3807.3	40°	3770.0	3747.8	3770.0	3807.3	3845.0	3900.5	3956.4	3997.5	4038.7	4033.7
3577.1	42.5°	3522.3	3486.4	3522.3	3577.1	3631.8	3701.2	3770.5	3805.0	3839.8	3813.7
3364.8	45°	3300.5	3259.1	3300.5	3364.8	3429.1	3508.2	3587.5	3618.7	3650.0	3612.5
3242.3	47.5°	3183.0	3143.2	3183.0	3242.3	3301.8	3372.3	3442.8	3464.6	3486.4	3443.2
3188.7	50°	3133.7	3095.5	3133.7	3188.7	3243.7	3300.0	3356.4	3357.3	3358.7	3303.2
3157.1	52.5°	3108.0	3072.7	3108.0	3157.1	3206.4	3252.3	3298.2	3286.4	3274.6	3208.9
3120.5	55°	3077.3	3045.5	3077.3	3120.5	3163.7	3203.7	3243.7	3227.3	3210.9	3141.2
3062.3	57.5°	3019.3	2986.4	3019.3	3062.3	3105.0	3145.5	3185.9	3169.3	3152.8	3082.8
2982.7	60°	2938.7	2904.6	2938.7	2982.7	3026.8	3066.2	3105.7	3087.5	3069.3	2998.9
2860.0	62.5°	2813.7	2772.7	2813.7	2860.0	2906.4	2942.1	2977.7	2960.2	2942.7	2878.2
2691.4	65°	2646.6	2611.4	2646.6	2691.4	2736.4	2770.7	2805.0	2787.3	2769.3	2712.5
2503.2	67.5°	2461.4	2429.6	2461.4	2503.2	2545.0	2576.4	2608.0	2590.7	2573.2	2524.1
2305.9	70°	2265.9	2229.6	2265.9	2305.9	2345.9	2371.6	2397.3	2380.5	2363.7	2319.3
2084.6	72.5°	2046.6	2011.4	2046.6	2084.6	2122.7	2144.1	2165.5	2145.5	2125.5	2082.1
1836.1	75°	1804.1	1770.5	1804.1	1836.1	1868.2	1878.7	1889.1	1868.2	1847.3	1807.7
1559.1	77.5°	1526.8	1500.0	1526.8	1559.1	1591.4	1606.4	1620.9	1601.4	1581.8	1540.5
1262.3	80°	1218.6	1168.2	1218.6	1262.3	1305.7	1311.8	1318.2	1292.3	1266.4	1235.0
941.8	82.5°	905.0	872.7	905.0	941.8	978.4	981.4	984.1	940.0	895.9	828.6
587.3	85°	558.6	529.5	558.6	587.3	615.9	620.5	625.0	570.5	515.9	452.7
245.0	87.5°	230.0	215.9	230.0	245.0	259.5	265.5	270.9	248.9	226.8	200.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5922.8	0°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
5558.0	2.5°	5592.3	5626.9	5661.2	5695.5	5734.6	5773.9	5817.3	5861.0	5914.8	5963.2
5273.9	5°	5329.4	5384.6	5445.5	5506.4	5575.3	5644.4	5726.9	5809.1	5903.5	5998.9
5101.2	7.5°	5168.7	5236.4	5313.2	5389.8	5480.7	5571.6	5681.0	5790.5	5912.5	6042.8
5069.4	10°	5145.5	5221.6	5304.4	5386.9	5477.8	5568.7	5684.1	5799.6	5930.7	6091.4
5214.8	12.5°	5293.4	5372.3	5436.9	5501.9	5561.9	5622.3	5716.4	5811.0	5933.0	6101.9
5518.2	15°	5586.6	5655.0	5671.9	5688.7	5680.5	5672.3	5717.3	5762.5	5860.3	6047.3
5841.0	17.5°	5896.0	5951.2	5898.7	5846.0	5746.9	5647.8	5631.4	5614.8	5675.0	5895.0
6042.1	20°	6067.8	6093.2	5983.0	5872.8	5700.5	5528.4	5451.2	5373.9	5389.8	5646.0
6039.8	22.5°	6024.6	6009.1	5865.7	5722.3	5525.5	5329.1	5214.8	5100.5	5069.4	5360.9
5839.8	25°	5787.3	5734.6	5593.5	5452.3	5275.5	5098.9	4967.1	4835.3	4751.2	5050.0
5492.1	27.5°	5433.2	5374.6	5261.4	5148.2	5003.2	4858.0	4730.7	4603.4	4501.2	4773.2
5126.2	30°	5078.4	5030.7	4936.6	4842.8	4722.3	4601.9	4500.5	4399.6	4319.4	4547.8
4819.4	32.5°	4766.2	4713.2	4623.0	4533.0	4436.6	4340.5	4280.7	4220.9	4185.3	4369.4
4537.5	35°	4473.9	4410.3	4320.9	4231.8	4158.7	4085.3	4068.7	4052.3	4067.1	4220.5
4279.6	37.5°	4200.9	4122.3	4033.2	3944.3	3891.8	3839.1	3857.3	3875.5	3929.6	4063.7
4028.4	40°	3937.8	3847.3	3761.4	3675.5	3637.5	3599.6	3640.7	3681.8	3764.8	3886.4
3787.5	42.5°	3689.8	3592.1	3510.5	3429.1	3398.0	3367.1	3421.6	3476.2	3580.7	3692.8
3575.0	45°	3473.7	3372.3	3295.0	3217.8	3191.4	3165.5	3218.4	3271.6	3372.8	3486.4
3400.0	47.5°	3300.0	3200.0	3124.6	3048.9	3024.6	3000.0	3044.6	3089.1	3176.2	3322.8
3247.8	50°	3158.2	3068.7	2997.5	2926.2	2887.7	2849.6	2888.9	2928.4	3029.6	3222.3
3143.2	52.5°	3059.6	2976.2	2910.9	2845.5	2788.2	2730.7	2769.6	2808.7	2950.0	3171.6
3071.6	55°	2998.7	2925.5	2855.0	2784.6	2703.2	2621.6	2683.2	2745.0	2958.0	3164.1
3012.5	57.5°	2940.0	2867.7	2785.0	2702.3	2614.6	2526.8	2616.8	2706.8	2965.9	3147.8
2928.4	60°	2854.8	2781.4	2686.4	2591.4	2514.6	2437.5	2554.3	2670.9	2940.9	3060.9
2813.7	62.5°	2735.2	2656.8	2545.9	2435.2	2386.4	2337.5	2483.2	2629.1	2879.6	2894.3
2655.7	65°	2580.7	2505.7	2386.8	2268.2	2249.6	2230.7	2385.9	2540.9	2731.8	2730.0
2475.0	67.5°	2404.1	2333.0	2223.2	2113.7	2119.6	2125.5	2254.6	2383.7	2490.9	2495.9
2275.0	70°	2213.7	2152.3	2055.9	1959.6	1980.0	2000.5	2092.3	2184.1	2219.3	2219.3
2038.7	72.5°	1983.2	1927.7	1852.1	1776.1	1805.9	1835.9	1898.9	1961.8	1961.4	1939.1
1768.2	75°	1718.0	1667.7	1611.4	1555.0	1583.9	1612.5	1661.1	1709.6	1718.2	1615.5
1498.9	77.5°	1455.7	1412.5	1366.8	1320.9	1350.0	1379.1	1418.0	1456.8	1461.4	1292.1
1203.4	80°	1167.1	1130.7	1092.7	1054.6	1079.1	1103.4	1136.1	1168.6	1169.3	967.1
761.4	82.5°	774.1	786.8	790.0	793.2	810.5	827.7	843.6	859.6	850.0	677.3
389.8	85°	425.0	460.2	476.8	493.2	512.5	531.8	548.9	565.9	553.4	425.0
173.9	87.5°	200.9	227.7	228.4	229.1	232.7	236.4	243.2	250.0	234.1	180.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
5922.8	0°	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8	5922.8
6013.2	2.5°	6063.2	6115.5	6167.8	6219.6	6271.6	6320.5	6369.4
6100.0	5°	6201.2	6309.4	6417.8	6525.3	6633.0	6741.0	6848.9
6183.9	7.5°	6325.0	6485.3	6645.5	6810.1	6974.6	7152.6	7330.7
6258.7	10°	6425.5	6620.3	6814.8	7032.1	7249.6	7474.8	7700.1
6290.7	12.5°	6479.6	6709.1	6938.7	7185.1	7431.4	7678.7	7926.2
6266.0	15°	6484.6	6748.9	7013.2	7280.5	7547.8	7805.7	8063.7
6158.0	17.5°	6421.0	6727.8	7034.6	7326.2	7617.8	7879.4	8141.0
5971.9	20°	6297.8	6669.6	7041.4	7361.9	7682.3	7954.4	8226.2
5753.5	22.5°	6146.0	6598.2	7050.5	7410.1	7769.4	8047.3	8325.1
5509.6	25°	5969.4	6527.8	7086.4	7497.3	7908.0	8180.1	8452.3
5286.6	27.5°	5800.0	6480.7	7161.4	7633.7	8105.7	8365.5	8625.1
5100.3	30°	5652.8	6458.7	7264.1	7810.3	8356.4	8607.1	8858.0
4939.6	32.5°	5509.6	6431.4	7352.8	7994.6	8636.4	8884.6	9133.0
4781.6	35°	5342.8	6380.0	7417.8	8204.6	8991.4	9229.4	9467.1
4595.7	37.5°	5127.8	6292.1	7456.4	8439.8	9423.3	9726.4	10029.6
4373.9	40°	4861.4	6171.0	7480.7	8738.5	9996.0	10437.8	10879.6
4129.1	42.5°	4565.5	6046.0	7526.9	9129.2	10731.4	11369.2	12006.9
3869.1	45°	4251.8	5929.8	7608.0	9643.3	11678.5	12538.7	13399.0
3663.4	47.5°	4004.1	5833.9	7663.7	10191.0	12718.3	13929.2	15139.9
3526.8	50°	3831.4	5729.4	7627.3	10699.2	13771.0	15596.5	17421.7
3436.8	52.5°	3702.3	5552.8	7403.5	11029.2	14654.7	17347.9	20041.1
3371.6	55°	3579.1	5260.0	6941.0	10956.4	14971.7	18900.6	22829.7
3294.3	57.5°	3440.9	4847.3	6253.5	10444.6	14636.0	20001.1	25366.1
3176.2	60°	3291.4	4311.4	5331.4	9492.1	13652.8	20276.1	26899.1
2970.7	62.5°	3047.3	3670.0	4292.8	8204.2	12115.5	19118.1	26120.6
2766.2	65°	2802.3	3093.0	3383.7	6890.1	10396.7	17479.7	24562.7
2475.9	67.5°	2455.7	2538.4	2620.9	5602.8	8584.6	15529.9	22475.2
2125.9	70°	2032.3	2008.9	1985.2	4411.4	6837.6	13402.4	19967.2
1806.6	72.5°	1673.9	1602.5	1531.4	3372.5	5213.7	11096.0	16978.5
1466.8	75°	1318.2	1253.6	1189.1	2447.7	3706.4	8452.1	13197.8
1147.7	77.5°	1003.4	959.3	915.5	1658.6	2401.8	5915.7	9429.6
845.0	80°	722.7	704.6	686.4	1068.6	1451.1	3811.4	6171.6
587.3	82.5°	497.3	493.6	490.5	657.3	824.6	2205.9	3587.5
359.1	85°	293.2	295.0	296.6	351.4	406.4	992.3	1578.4
153.6	87.5°	126.8	128.4	130.0	145.7	161.4	325.0	488.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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