

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: P953492

Luminaire Tested: **GALN-SB7A-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953492
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-SB7A-740-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 33630 lumens
Efficiency: N/A
Efficacy: 168.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

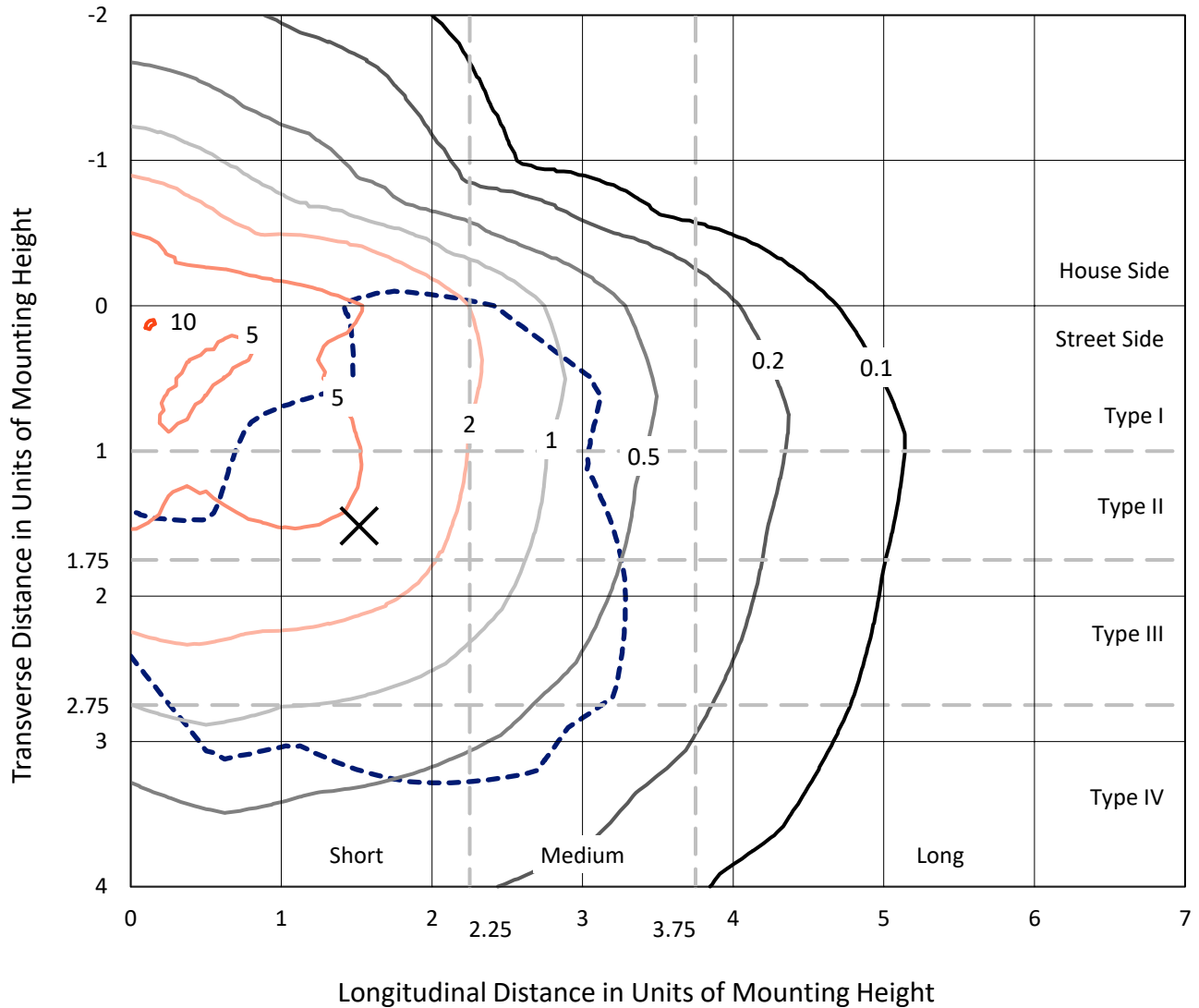
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

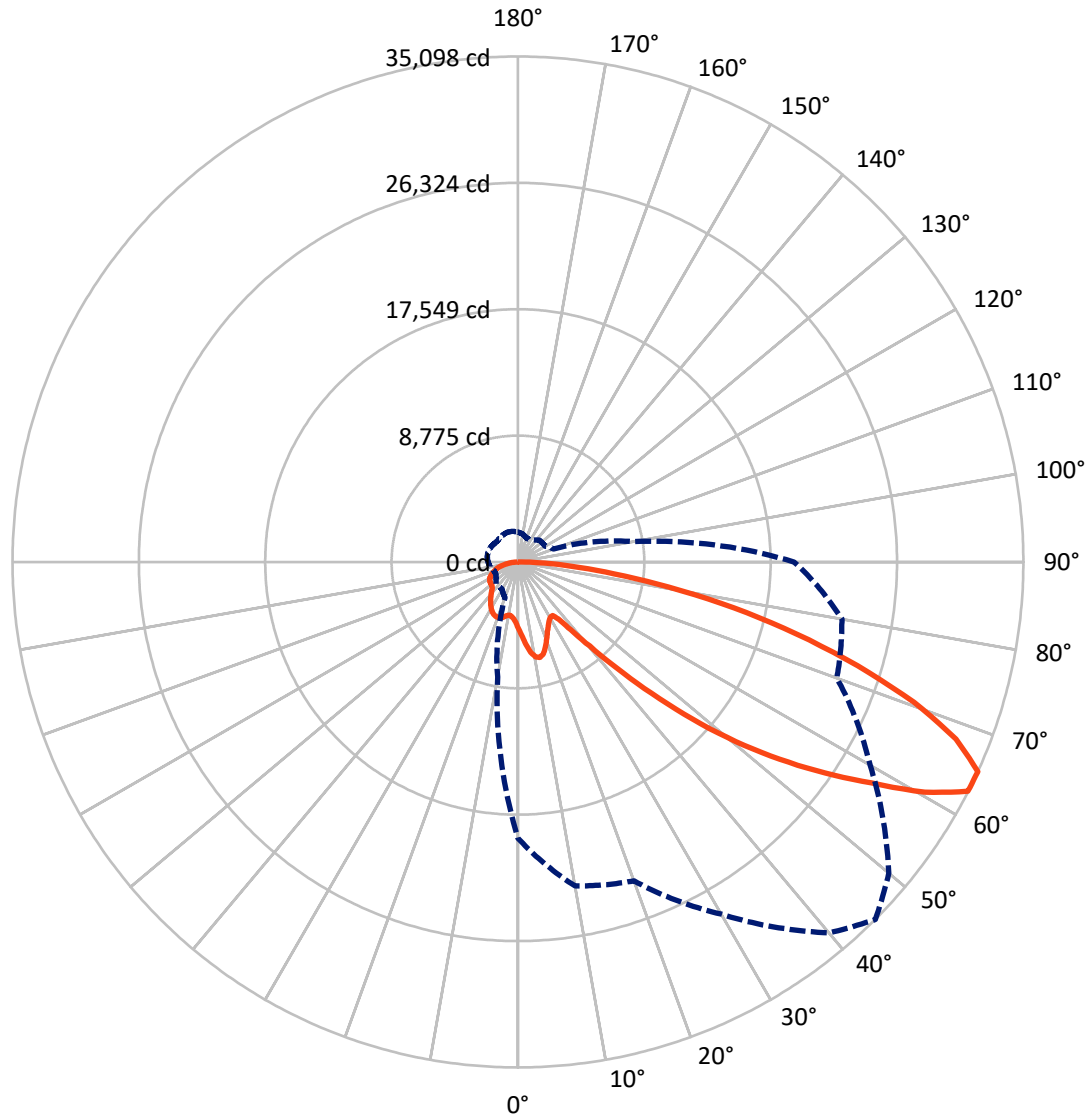
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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	8547.1	0.0	8547.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	25082.9	0.0	25082.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	33630.0	0.0	33630.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.7	1.4
10°-20°	1440.1	4.3
20°-30°	2224.4	6.6
30°-40°	2818.9	8.4
40°-50°	4251.6	12.6
50°-60°	6869.1	20.4
60°-70°	8563.4	25.5
70°-80°	5615.5	16.7
80°-90°	1388.3	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°	33630.0	100.0
0°-180°	33630.0	100.0



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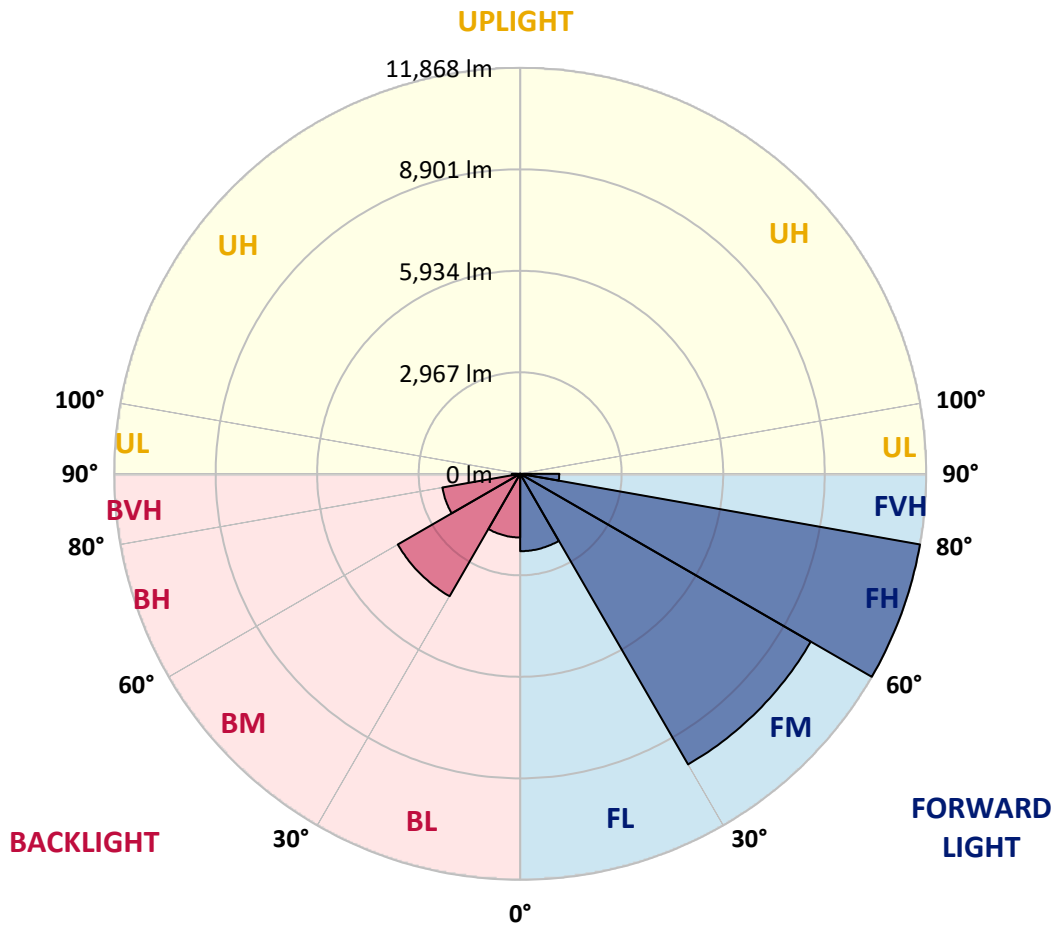
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2262.0	6.7			
FM (30°-60°)	9809.1	29.2			
FH (60°-80°)	11868.2	35.3			G4/12000
FVH (80°-90°)	1143.6	3.4			G5
BL (0°-30°)	1861.2	5.5	B3/2500		
BM (30°-60°)	4130.5	12.3	B3/5000		
BH (60°-80°)	2310.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	244.6	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
2.5°	4973.1	4991.9	5010.9	5037.7	5064.5	5080.5	5096.4	5104.4	5112.4	5108.9
5°	5347.5	5413.4	5479.4	5544.7	5610.2	5645.7	5681.1	5702.6	5724.3	5740.6
7.5°	5723.7	5830.9	5937.9	6034.3	6130.6	6188.7	6246.7	6278.1	6309.3	6324.4
10°	6012.1	6138.8	6265.5	6378.5	6491.6	6560.1	6628.2	6658.7	6689.1	6700.6
12.5°	6188.7	6326.0	6463.2	6565.4	6667.2	6716.9	6766.6	6783.3	6800.0	6801.8
15°	6296.0	6414.6	6532.9	6597.0	6661.2	6663.0	6664.8	6647.0	6629.3	6608.3
17.5°	6356.4	6436.4	6516.4	6517.7	6518.7	6446.9	6375.0	6309.1	6243.1	6196.6
20°	6422.9	6450.8	6478.8	6394.5	6310.2	6151.6	5992.9	5877.4	5761.9	5690.9
22.5°	6500.1	6463.5	6427.0	6252.4	6077.8	5844.4	5611.1	5466.6	5322.2	5243.7
25°	6599.5	6484.1	6368.8	6103.7	5838.5	5555.2	5271.8	5119.9	4968.3	4894.1
27.5°	6734.3	6528.1	6321.7	5970.6	5619.6	5305.5	4991.4	4842.0	4692.7	4622.6
30°	6916.2	6608.7	6301.3	5869.1	5436.8	5109.6	4782.3	4643.8	4505.2	4439.9
32.5°	7130.9	6709.8	6288.9	5799.9	5310.8	5003.3	4695.8	4587.0	4478.0	4431.0
35°	7391.8	6876.5	6361.3	5851.7	5342.2	5128.6	4915.1	4889.7	4864.3	4860.4
37.5°	7831.0	7224.8	6618.6	6155.5	5692.3	5678.5	5664.6	5780.7	5896.7	5957.1
40°	8494.7	7835.4	7176.2	6831.7	6487.3	6730.4	6973.5	7255.7	7537.8	7678.4
42.5°	9374.8	8720.7	8066.6	7868.2	7669.9	8200.1	8730.3	9243.5	9756.7	10058.0
45°	10461.7	9874.2	9286.4	9199.0	9111.3	9960.8	10810.4	11653.7	12497.1	13009.0
47.5°	11821.0	11249.4	10677.7	10659.9	10642.2	11867.7	13092.8	14327.3	15561.7	16286.6
50°	13602.6	12896.5	12190.6	12193.7	12196.7	13776.0	15355.3	16984.9	18614.4	19599.6
52.5°	15647.8	14792.8	13938.0	13851.6	13765.0	15651.5	17538.0	19554.2	21570.3	22751.2
55°	17825.1	16980.4	16135.8	15798.8	15461.8	17561.4	19660.9	22064.5	24468.1	25872.6
57.5°	19805.5	19345.5	18885.4	18209.5	17533.7	19653.8	21773.8	24496.3	27218.6	28960.3
60°	21002.4	21716.8	22431.4	21592.1	20752.7	22759.0	24765.3	27680.1	30595.0	32477.4
62.5°	20394.6	22346.8	24298.9	24204.4	24109.6	25947.5	27785.5	30558.8	33331.8	35071.7
65°	19178.2	21010.4	22842.6	23205.1	23567.5	25903.1	28238.9	30928.0	33617.0	35098.3
67.5°	17548.3	19290.9	21033.5	21203.5	21373.3	23806.9	26240.3	28940.9	31641.6	32802.1
70°	15590.1	17485.5	19381.0	19457.0	19533.1	21709.4	23885.5	26209.6	28533.5	29178.5
72.5°	13256.6	15431.6	17606.8	17661.5	17716.0	19418.6	21121.3	22861.9	24602.4	24667.7
75°	10304.7	12555.8	14807.0	15009.1	15211.2	16535.9	17860.6	19085.9	20311.2	19982.9
77.5°	7362.5	9463.9	11565.5	11854.7	12144.0	13151.0	14158.1	15027.0	15896.2	15331.9
80°	4818.7	6586.7	8354.5	8714.0	9073.5	9834.1	10594.3	11050.7	11506.9	10599.2
82.5°	2801.1	4009.7	5218.5	5620.1	6021.9	6545.3	7068.8	7259.2	7449.5	6736.1
85°	1232.4	1873.9	2515.4	2857.0	3198.6	3628.7	4058.7	4166.8	4274.8	3703.4
87.5°	381.5	597.1	812.7	1003.3	1193.9	1409.0	1624.0	1633.3	1642.3	1378.8
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°
4624.4	0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
5112.4	2.5°	5104.4	5096.4	5080.5	5064.5	5037.7	5010.9	4991.9	4973.1	4935.0	4896.8
5724.3	5°	5702.6	5681.1	5645.7	5610.2	5544.7	5479.4	5413.4	5347.5	5263.2	5179.0
6309.3	7.5°	6278.1	6246.7	6188.7	6130.6	6034.3	5937.9	5830.9	5723.7	5584.6	5445.7
6689.1	10°	6658.7	6628.2	6560.1	6491.6	6378.5	6265.5	6138.8	6012.1	5836.2	5660.4
6800.0	12.5°	6783.3	6766.6	6716.9	6667.2	6565.4	6463.2	6326.0	6188.7	5995.4	5802.3
6629.3	15°	6647.0	6664.8	6663.0	6661.2	6597.0	6532.9	6414.6	6296.0	6094.6	5893.2
6243.1	17.5°	6309.1	6375.0	6446.9	6518.7	6517.7	6516.4	6436.4	6356.4	6152.1	5947.9
5761.9	20°	5877.4	5992.9	6151.6	6310.2	6394.5	6478.8	6450.8	6422.9	6210.7	5998.3
5322.2	22.5°	5466.6	5611.1	5844.4	6077.8	6252.4	6427.0	6463.5	6500.1	6283.2	6066.2
4968.3	25°	5119.9	5271.8	5555.2	5838.5	6103.7	6368.8	6484.1	6599.5	6386.9	6174.5
4692.7	27.5°	4842.0	4991.4	5305.5	5619.6	5970.6	6321.7	6528.1	6734.3	6531.7	6328.8
4505.2	30°	4643.8	4782.3	5109.6	5436.8	5869.1	6301.3	6608.7	6916.2	6720.3	6524.6
4478.0	32.5°	4587.0	4695.8	5003.3	5310.8	5799.9	6288.9	6709.8	7130.9	6937.0	6743.2
4864.3	35°	4889.7	4915.1	5128.6	5342.2	5851.7	6361.3	6876.5	7391.8	7206.2	7020.4
5896.7	37.5°	5780.7	5664.6	5678.5	5692.3	6155.5	6618.6	7224.8	7831.0	7594.3	7357.5
7537.8	40°	7255.7	6973.5	6730.4	6487.3	6831.7	7176.2	7835.4	8494.7	8149.7	7804.7
9756.7	42.5°	9243.5	8730.3	8200.1	7669.9	7868.2	8066.6	8720.7	9374.8	8876.9	8379.0
12497.1	45°	11653.7	10810.4	9960.8	9111.3	9199.0	9286.4	9874.2	10461.7	9790.1	9118.4
15561.7	47.5°	14327.3	13092.8	11867.7	10642.2	10659.9	10677.7	11249.4	11821.0	10875.7	9930.2
18614.4	50°	16984.9	15355.3	13776.0	12196.7	12193.7	12190.6	12896.5	13602.6	12177.5	10752.2
21570.3	52.5°	19554.2	17538.0	15651.5	13765.0	13851.6	13938.0	14792.8	15647.8	13545.0	11442.1
24468.1	55°	22064.5	19660.9	17561.4	15461.8	15798.8	16135.8	16980.4	17825.1	14757.3	11689.7
27218.6	57.5°	24496.3	21773.8	19653.8	17533.7	18209.5	18885.4	19345.5	19805.5	15616.5	11427.6
30595.0	60°	27680.1	24765.3	22759.0	20752.7	21592.1	22431.4	21716.8	21002.4	15831.3	10659.9
33331.8	62.5°	30558.8	27785.5	25947.5	24109.6	24204.4	24298.9	22346.8	20394.6	14927.1	9459.6
33617.0	65°	30928.0	28238.9	25903.1	23567.5	23205.1	22842.6	21010.4	19178.2	13647.9	8117.6
31641.6	67.5°	28940.9	26240.3	23806.9	21373.3	21203.5	21033.5	19290.9	17548.3	12125.5	6702.7
28533.5	70°	26209.6	23885.5	21709.4	19533.1	19457.0	19381.0	17485.5	15590.1	10464.4	5338.7
24602.4	72.5°	22861.9	21121.3	19418.6	17716.0	17661.5	17606.8	15431.6	13256.6	8663.6	4070.8
20311.2	75°	19085.9	17860.6	16535.9	15211.2	15009.1	14807.0	12555.8	10304.7	6599.3	2893.9
15896.2	77.5°	15027.0	14158.1	13151.0	12144.0	11854.7	11565.5	9463.9	7362.5	4618.9	1875.3
11506.9	80°	11050.7	10594.3	9834.1	9073.5	8714.0	8354.5	6586.7	4818.7	2975.9	1133.0
7449.5	82.5°	7259.2	7068.8	6545.3	6021.9	5620.1	5218.5	4009.7	2801.1	1722.4	643.8
4274.8	85°	4166.8	4058.7	3628.7	3198.6	2857.0	2515.4	1873.9	1232.4	774.8	317.3
1642.3	87.5°	1633.3	1624.0	1409.0	1193.9	1003.3	812.7	597.1	381.5	253.8	126.0
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4624.4	0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
4856.2	2.5°	4815.7	4774.9	4734.1	4695.0	4656.0	4618.2	4576.1	4542.1	4508.2	4477.5
5094.8	5°	5010.9	4926.3	4841.8	4762.8	4683.9	4609.3	4535.7	4471.5	4407.0	4353.1
5317.2	7.5°	5188.7	5063.6	4938.5	4828.3	4718.1	4616.4	4521.1	4435.6	4350.3	4279.3
5490.6	10°	5320.9	5169.0	5016.9	4886.7	4756.1	4630.6	4528.2	4438.1	4347.9	4277.0
5610.0	12.5°	5417.6	5238.4	5059.2	4911.7	4764.2	4632.4	4537.1	4463.3	4389.8	4342.6
5684.5	15°	5475.8	5269.5	5063.1	4892.4	4721.7	4575.6	4499.3	4464.0	4428.9	4435.3
5720.2	17.5°	5492.5	5253.0	5013.4	4808.1	4602.8	4431.0	4384.0	4396.9	4409.7	4487.1
5748.0	20°	5497.8	5207.5	4917.2	4662.7	4408.3	4208.3	4195.9	4256.2	4316.5	4450.9
5785.7	22.5°	5504.9	5151.8	4798.7	4492.2	4185.8	3958.1	3982.4	4071.6	4160.9	4314.2
5853.8	25°	5533.0	5096.8	4660.8	4301.8	3943.0	3709.6	3775.3	3878.2	3981.1	4119.0
5960.3	27.5°	5591.5	5060.1	4528.6	4127.7	3726.9	3514.4	3594.3	3693.7	3793.0	3906.4
6098.2	30°	5671.7	5042.8	4413.6	3982.2	3550.8	3372.5	3435.1	3513.9	3593.1	3687.1
6242.1	32.5°	5740.9	5021.6	4301.8	3856.8	3411.5	3267.8	3295.6	3342.3	3389.0	3464.1
6406.0	35°	5791.7	4981.4	4171.6	3733.4	3295.3	3175.5	3164.0	3176.8	3189.7	3247.0
6589.7	37.5°	5821.9	4912.8	4003.7	3588.3	3172.9	3068.2	3025.9	3011.7	2997.5	3038.7
6822.9	40°	5840.9	4818.2	3795.7	3415.1	3034.4	2939.5	2874.7	2842.6	2810.5	2840.1
7127.9	42.5°	5876.9	4720.6	3564.7	3224.0	2883.2	2795.8	2714.1	2671.5	2629.0	2653.1
7529.3	45°	5940.2	4629.9	3319.8	3021.0	2722.1	2633.4	2554.4	2512.9	2471.6	2491.8
7957.0	47.5°	5983.7	4555.0	3126.4	2860.4	2594.4	2479.9	2411.9	2377.2	2342.4	2361.5
8353.8	50°	5955.3	4473.4	2991.5	2753.7	2515.9	2365.4	2286.5	2255.6	2224.9	2254.7
8611.4	52.5°	5780.5	4335.5	2890.7	2683.4	2476.4	2303.3	2193.0	2162.4	2132.1	2177.0
8554.6	55°	5419.4	4107.0	2794.5	2632.5	2470.5	2309.5	2143.3	2095.0	2046.9	2110.6
8155.0	57.5°	4882.6	3784.7	2686.6	2572.2	2457.7	2315.8	2113.5	2043.2	1972.9	2041.4
7411.3	60°	4162.7	3366.3	2569.9	2479.9	2389.9	2296.2	2085.4	1994.4	1903.2	1963.3
6405.7	62.5°	3351.7	2865.5	2379.3	2319.5	2259.9	2248.3	2052.8	1938.8	1825.1	1863.3
5379.7	65°	2641.9	2415.0	2188.0	2159.8	2131.6	2133.0	1983.9	1862.9	1741.7	1756.4
4374.6	67.5°	2046.4	1982.0	1917.4	1933.2	1948.8	1944.9	1861.1	1760.3	1659.5	1654.9
3444.4	70°	1550.0	1568.5	1586.8	1659.9	1732.8	1732.8	1705.3	1633.6	1561.9	1546.0
2633.2	72.5°	1195.7	1251.2	1306.9	1410.6	1514.0	1531.4	1531.8	1482.6	1433.5	1410.0
1911.2	75°	928.4	978.8	1029.2	1145.3	1261.3	1341.5	1334.8	1297.0	1259.0	1236.7
1295.0	77.5°	714.8	749.0	783.5	896.1	1008.8	1141.0	1137.5	1107.1	1076.8	1054.1
834.4	80°	535.9	550.1	564.3	659.8	755.1	913.0	912.5	887.1	861.5	842.5
513.2	82.5°	382.9	385.4	388.3	458.5	528.8	663.7	671.1	658.7	646.3	632.8
274.3	85°	231.6	230.3	228.9	280.4	331.8	432.1	441.9	428.5	415.2	400.2
113.7	87.5°	101.5	100.3	99.0	120.0	141.1	182.8	195.2	189.9	184.6	181.7
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°
4624.4	0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
4447.0	2.5°	4420.2	4393.4	4366.4	4339.6	4318.8	4297.9	4281.0	4264.2	4251.1	4237.9
4299.3	5°	4251.8	4204.2	4161.1	4117.8	4084.6	4051.2	4028.0	4004.8	3988.2	3971.7
4208.3	7.5°	4148.5	4088.5	4035.6	3982.9	3943.4	3904.0	3876.3	3848.6	3829.6	3810.8
4206.0	10°	4141.6	4077.0	4017.5	3958.1	3910.9	3863.5	3832.6	3801.4	3783.5	3765.5
4295.8	12.5°	4245.0	4194.6	4133.0	4071.6	4011.3	3951.0	3911.1	3871.1	3851.1	3831.2
4441.6	15°	4428.5	4415.4	4362.0	4308.5	4222.7	4136.8	4076.1	4015.4	3987.5	3959.9
4564.4	17.5°	4605.6	4646.6	4603.5	4560.5	4446.8	4333.0	4243.6	4154.2	4113.0	4071.6
4585.4	20°	4671.4	4757.5	4737.6	4717.6	4587.5	4457.6	4347.9	4238.5	4185.8	4132.9
4467.9	22.5°	4579.9	4691.8	4703.9	4715.8	4591.6	4467.4	4354.5	4241.5	4185.9	4130.2
4257.1	25°	4367.3	4477.5	4518.7	4559.6	4457.8	4356.1	4255.7	4155.6	4107.3	4059.2
4019.7	27.5°	4108.0	4196.4	4242.2	4288.1	4215.6	4143.2	4065.3	3987.4	3955.1	3922.6
3781.2	30°	3854.4	3927.9	3965.2	4002.4	3947.3	3891.9	3836.2	3780.1	3763.6	3746.9
3539.3	32.5°	3609.6	3680.0	3721.4	3762.9	3712.1	3661.2	3616.7	3572.1	3561.3	3550.5
3304.2	35°	3373.7	3443.5	3493.2	3542.8	3506.6	3470.6	3429.4	3388.5	3372.0	3355.6
3079.7	37.5°	3149.1	3218.6	3280.0	3341.4	3324.8	3308.1	3270.3	3232.3	3202.3	3172.5
2869.8	40°	2936.8	3003.9	3074.5	3145.3	3149.4	3153.3	3121.2	3089.1	3045.4	3002.1
2677.4	42.5°	2740.9	2804.6	2880.9	2957.2	2977.7	2998.1	2970.9	2943.9	2889.8	2835.7
2512.4	45°	2572.7	2633.0	2712.2	2791.3	2820.6	2849.9	2825.4	2801.1	2739.2	2677.4
2380.5	47.5°	2439.6	2498.5	2576.6	2654.7	2688.4	2722.1	2705.1	2688.1	2633.0	2578.0
2284.7	50°	2340.4	2396.0	2465.9	2535.8	2579.1	2622.4	2621.3	2620.6	2576.6	2532.6
2221.7	52.5°	2272.8	2323.7	2388.9	2454.2	2505.5	2556.7	2566.0	2575.2	2539.3	2503.5
2174.1	55°	2229.2	2284.2	2341.3	2398.3	2452.6	2507.1	2519.8	2532.6	2501.4	2470.1
2109.9	57.5°	2174.5	2239.1	2295.5	2352.1	2407.0	2461.6	2474.6	2487.5	2455.9	2424.4
2023.3	60°	2097.5	2171.7	2229.0	2286.5	2341.5	2396.5	2410.7	2424.9	2394.0	2363.3
1901.4	62.5°	1987.8	2074.4	2135.6	2196.9	2247.3	2297.7	2311.3	2325.0	2297.1	2269.3
1771.0	65°	1863.6	1956.4	2015.0	2073.5	2117.9	2162.3	2176.3	2190.1	2163.3	2136.5
1650.3	67.5°	1735.8	1821.6	1877.1	1932.5	1970.8	2009.1	2022.8	2036.3	2011.6	1987.1
1530.0	70°	1605.2	1680.5	1728.4	1776.3	1810.9	1845.5	1858.6	1871.8	1851.7	1831.7
1386.8	72.5°	1446.1	1505.2	1548.5	1591.7	1625.6	1659.5	1675.2	1690.8	1674.1	1657.4
1214.1	75°	1258.1	1302.1	1341.4	1380.6	1411.5	1442.3	1458.7	1475.0	1466.8	1458.7
1031.4	77.5°	1067.2	1102.9	1136.6	1170.3	1202.8	1235.1	1250.3	1265.6	1254.2	1242.5
823.4	80°	853.2	882.8	911.2	939.6	964.3	988.8	1009.0	1029.2	1024.3	1019.5
619.3	82.5°	616.8	614.3	604.4	594.5	647.0	699.5	733.9	768.4	766.2	763.9
385.1	85°	372.3	359.3	331.8	304.3	353.5	402.8	445.4	488.0	484.4	480.9
178.9	87.5°	178.3	177.8	156.9	135.8	156.3	177.1	194.3	211.5	207.3	202.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4624.4	0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
4225.9	2.5°	4213.6	4198.5	4213.6	4225.9	4237.9	4251.1	4264.2	4281.0	4297.9	4318.8
3959.1	5°	3946.5	3934.1	3946.5	3959.1	3971.7	3988.2	4004.8	4028.0	4051.2	4084.6
3799.4	7.5°	3788.3	3779.7	3788.3	3799.4	3810.8	3829.6	3848.6	3876.3	3904.0	3943.4
3756.0	10°	3746.4	3742.5	3746.4	3756.0	3765.5	3783.5	3801.4	3832.6	3863.5	3910.9
3823.0	12.5°	3814.9	3813.5	3814.9	3823.0	3831.2	3851.1	3871.1	3911.1	3951.0	4011.3
3949.2	15°	3938.6	3937.7	3938.6	3949.2	3959.9	3987.5	4015.4	4076.1	4136.8	4222.7
4058.2	17.5°	4044.5	4042.4	4044.5	4058.2	4071.6	4113.0	4154.2	4243.6	4333.0	4446.8
4116.0	20°	4099.2	4093.8	4099.2	4116.0	4132.9	4185.8	4238.5	4347.9	4457.6	4587.5
4111.6	22.5°	4092.9	4085.0	4092.9	4111.6	4130.2	4185.9	4241.5	4354.5	4467.4	4591.6
4041.7	25°	4024.3	4014.0	4024.3	4041.7	4059.2	4107.3	4155.6	4255.7	4356.1	4457.8
3914.6	27.5°	3906.6	3904.0	3906.6	3914.6	3922.6	3955.1	3987.4	4065.3	4143.2	4215.6
3746.9	30°	3746.9	3749.6	3746.9	3746.9	3746.9	3763.6	3780.1	3836.2	3891.9	3947.3
3551.9	32.5°	3553.5	3556.2	3553.5	3551.9	3550.5	3561.3	3572.1	3616.7	3661.2	3712.1
3352.1	35°	3348.5	3346.8	3348.5	3352.1	3355.6	3372.0	3388.5	3429.4	3470.6	3506.6
3156.7	37.5°	3140.9	3132.0	3140.9	3156.7	3172.5	3202.3	3232.3	3270.3	3308.1	3324.8
2972.7	40°	2943.6	2926.2	2943.6	2972.7	3002.1	3045.4	3089.1	3121.2	3153.3	3149.4
2792.9	42.5°	2750.2	2722.1	2750.2	2792.9	2835.7	2889.8	2943.9	2970.9	2998.1	2977.7
2627.2	45°	2577.0	2544.7	2577.0	2627.2	2677.4	2739.2	2801.1	2825.4	2849.9	2820.6
2531.5	47.5°	2485.2	2454.2	2485.2	2531.5	2578.0	2633.0	2688.1	2705.1	2722.1	2688.4
2489.7	50°	2446.7	2416.9	2446.7	2489.7	2532.6	2576.6	2620.6	2621.3	2622.4	2579.1
2465.0	52.5°	2426.7	2399.2	2426.7	2465.0	2503.5	2539.3	2575.2	2566.0	2556.7	2505.5
2436.4	55°	2402.7	2377.9	2402.7	2436.4	2470.1	2501.4	2532.6	2519.8	2507.1	2452.6
2391.0	57.5°	2357.5	2331.7	2357.5	2391.0	2424.4	2455.9	2487.5	2474.6	2461.6	2407.0
2328.9	60°	2294.5	2267.8	2294.5	2328.9	2363.3	2394.0	2424.9	2410.7	2396.5	2341.5
2233.1	62.5°	2196.9	2164.9	2196.9	2233.1	2269.3	2297.1	2325.0	2311.3	2297.7	2247.3
2101.4	65°	2066.4	2038.9	2066.4	2101.4	2136.5	2163.3	2190.1	2176.3	2162.3	2117.9
1954.5	67.5°	1921.8	1897.0	1921.8	1954.5	1987.1	2011.6	2036.3	2022.8	2009.1	1970.8
1800.4	70°	1769.2	1740.8	1769.2	1800.4	1831.7	1851.7	1871.8	1858.6	1845.5	1810.9
1627.6	72.5°	1598.0	1570.5	1598.0	1627.6	1657.4	1674.1	1690.8	1675.2	1659.5	1625.6
1433.6	75°	1408.6	1382.4	1408.6	1433.6	1458.7	1466.8	1475.0	1458.7	1442.3	1411.5
1217.3	77.5°	1192.1	1171.2	1192.1	1217.3	1242.5	1254.2	1265.6	1250.3	1235.1	1202.8
985.6	80°	951.5	912.1	951.5	985.6	1019.5	1024.3	1029.2	1009.0	988.8	964.3
735.4	82.5°	706.6	681.4	706.6	735.4	763.9	766.2	768.4	733.9	699.5	647.0
458.5	85°	436.2	413.5	436.2	458.5	480.9	484.4	488.0	445.4	402.8	353.5
191.3	87.5°	179.6	168.6	179.6	191.3	202.7	207.3	211.5	194.3	177.1	156.3
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°
4624.4	0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
4339.6	2.5°	4366.4	4393.4	4420.2	4447.0	4477.5	4508.2	4542.1	4576.1	4618.2	4656.0
4117.8	5°	4161.1	4204.2	4251.8	4299.3	4353.1	4407.0	4471.5	4535.7	4609.3	4683.9
3982.9	7.5°	4035.6	4088.5	4148.5	4208.3	4279.3	4350.3	4435.6	4521.1	4616.4	4718.1
3958.1	10°	4017.5	4077.0	4141.6	4206.0	4277.0	4347.9	4438.1	4528.2	4630.6	4756.1
4071.6	12.5°	4133.0	4194.6	4245.0	4295.8	4342.6	4389.8	4463.3	4537.1	4632.4	4764.2
4308.5	15°	4362.0	4415.4	4428.5	4441.6	4435.3	4428.9	4464.0	4499.3	4575.6	4721.7
4560.5	17.5°	4603.5	4646.6	4605.6	4564.4	4487.1	4409.7	4396.9	4384.0	4431.0	4602.8
4717.6	20°	4737.6	4757.5	4671.4	4585.4	4450.9	4316.5	4256.2	4195.9	4208.3	4408.3
4715.8	22.5°	4703.9	4691.8	4579.9	4467.9	4314.2	4160.9	4071.6	3982.4	3958.1	4185.8
4559.6	25°	4518.7	4477.5	4367.3	4257.1	4119.0	3981.1	3878.2	3775.3	3709.6	3943.0
4288.1	27.5°	4242.2	4196.4	4108.0	4019.7	3906.4	3793.0	3693.7	3594.3	3514.4	3726.9
4002.4	30°	3965.2	3927.9	3854.4	3781.2	3687.1	3593.1	3513.9	3435.1	3372.5	3550.8
3762.9	32.5°	3721.4	3680.0	3609.6	3539.3	3464.1	3389.0	3342.3	3295.6	3267.8	3411.5
3542.8	35°	3493.2	3443.5	3373.7	3304.2	3247.0	3189.7	3176.8	3164.0	3175.5	3295.3
3341.4	37.5°	3280.0	3218.6	3149.1	3079.7	3038.7	2997.5	3011.7	3025.9	3068.2	3172.9
3145.3	40°	3074.5	3003.9	2936.8	2869.8	2840.1	2810.5	2842.6	2874.7	2939.5	3034.4
2957.2	42.5°	2880.9	2804.6	2740.9	2677.4	2653.1	2629.0	2671.5	2714.1	2795.8	2883.2
2791.3	45°	2712.2	2633.0	2572.7	2512.4	2491.8	2471.6	2512.9	2554.4	2633.4	2722.1
2654.7	47.5°	2576.6	2498.5	2439.6	2380.5	2361.5	2342.4	2377.2	2411.9	2479.9	2594.4
2535.8	50°	2465.9	2396.0	2340.4	2284.7	2254.7	2224.9	2255.6	2286.5	2365.4	2515.9
2454.2	52.5°	2388.9	2323.7	2272.8	2221.7	2177.0	2132.1	2162.4	2193.0	2303.3	2476.4
2398.3	55°	2341.3	2284.2	2229.2	2174.1	2110.6	2046.9	2095.0	2143.3	2309.5	2470.5
2352.1	57.5°	2295.5	2239.1	2174.5	2109.9	2041.4	1972.9	2043.2	2113.5	2315.8	2457.7
2286.5	60°	2229.0	2171.7	2097.5	2023.3	1963.3	1903.2	1994.4	2085.4	2296.2	2389.9
2196.9	62.5°	2135.6	2074.4	1987.8	1901.4	1863.3	1825.1	1938.8	2052.8	2248.3	2259.9
2073.5	65°	2015.0	1956.4	1863.6	1771.0	1756.4	1741.7	1862.9	1983.9	2133.0	2131.6
1932.5	67.5°	1877.1	1821.6	1735.8	1650.3	1654.9	1659.5	1760.3	1861.1	1944.9	1948.8
1776.3	70°	1728.4	1680.5	1605.2	1530.0	1546.0	1561.9	1633.6	1705.3	1732.8	1732.8
1591.7	72.5°	1548.5	1505.2	1446.1	1386.8	1410.0	1433.5	1482.6	1531.8	1531.4	1514.0
1380.6	75°	1341.4	1302.1	1258.1	1214.1	1236.7	1259.0	1297.0	1334.8	1341.5	1261.3
1170.3	77.5°	1136.6	1102.9	1067.2	1031.4	1054.1	1076.8	1107.1	1137.5	1141.0	1008.8
939.6	80°	911.2	882.8	853.2	823.4	842.5	861.5	887.1	912.5	913.0	755.1
594.5	82.5°	604.4	614.3	616.8	619.3	632.8	646.3	658.7	671.1	663.7	528.8
304.3	85°	331.8	359.3	372.3	385.1	400.2	415.2	428.5	441.9	432.1	331.8
135.8	87.5°	156.9	177.8	178.3	178.9	181.7	184.6	189.9	195.2	182.8	141.1
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°
4624.4	0°	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4	4624.4
4695.0	2.5°	4734.1	4774.9	4815.7	4856.2	4896.8	4935.0	4973.1
4762.8	5°	4841.8	4926.3	5010.9	5094.8	5179.0	5263.2	5347.5
4828.3	7.5°	4938.5	5063.6	5188.7	5317.2	5445.7	5584.6	5723.7
4886.7	10°	5016.9	5169.0	5320.9	5490.6	5660.4	5836.2	6012.1
4911.7	12.5°	5059.2	5238.4	5417.6	5610.0	5802.3	5995.4	6188.7
4892.4	15°	5063.1	5269.5	5475.8	5684.5	5893.2	6094.6	6296.0
4808.1	17.5°	5013.4	5253.0	5492.5	5720.2	5947.9	6152.1	6356.4
4662.7	20°	4917.2	5207.5	5497.8	5748.0	5998.3	6210.7	6422.9
4492.2	22.5°	4798.7	5151.8	5504.9	5785.7	6066.2	6283.2	6500.1
4301.8	25°	4660.8	5096.8	5533.0	5853.8	6174.5	6386.9	6599.5
4127.7	27.5°	4528.6	5060.1	5591.5	5960.3	6328.8	6531.7	6734.3
3982.2	30°	4413.6	5042.8	5671.7	6098.2	6524.6	6720.3	6916.2
3856.8	32.5°	4301.8	5021.6	5740.9	6242.1	6743.2	6937.0	7130.9
3733.4	35°	4171.6	4981.4	5791.7	6406.0	7020.4	7206.2	7391.8
3588.3	37.5°	4003.7	4912.8	5821.9	6589.7	7357.5	7594.3	7831.0
3415.1	40°	3795.7	4818.2	5840.9	6822.9	7804.7	8149.7	8494.7
3224.0	42.5°	3564.7	4720.6	5876.9	7127.9	8379.0	8876.9	9374.8
3021.0	45°	3319.8	4629.9	5940.2	7529.3	9118.4	9790.1	10461.7
2860.4	47.5°	3126.4	4555.0	5983.7	7957.0	9930.2	10875.7	11821.0
2753.7	50°	2991.5	4473.4	5955.3	8353.8	10752.2	12177.5	13602.6
2683.4	52.5°	2890.7	4335.5	5780.5	8611.4	11442.1	13545.0	15647.8
2632.5	55°	2794.5	4107.0	5419.4	8554.6	11689.7	14757.3	17825.1
2572.2	57.5°	2686.6	3784.7	4882.6	8155.0	11427.6	15616.5	19805.5
2479.9	60°	2569.9	3366.3	4162.7	7411.3	10659.9	15831.3	21002.4
2319.5	62.5°	2379.3	2865.5	3351.7	6405.7	9459.6	14927.1	20394.6
2159.8	65°	2188.0	2415.0	2641.9	5379.7	8117.6	13647.9	19178.2
1933.2	67.5°	1917.4	1982.0	2046.4	4374.6	6702.7	12125.5	17548.3
1659.9	70°	1586.8	1568.5	1550.0	3444.4	5338.7	10464.4	15590.1
1410.6	72.5°	1306.9	1251.2	1195.7	2633.2	4070.8	8663.6	13256.6
1145.3	75°	1029.2	978.8	928.4	1911.2	2893.9	6599.3	10304.7
896.1	77.5°	783.5	749.0	714.8	1295.0	1875.3	4618.9	7362.5
659.8	80°	564.3	550.1	535.9	834.4	1133.0	2975.9	4818.7
458.5	82.5°	388.3	385.4	382.9	513.2	643.8	1722.4	2801.1
280.4	85°	228.9	230.3	231.6	274.3	317.3	774.8	1232.4
120.0	87.5°	99.0	100.3	101.5	113.7	126.0	253.8	381.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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