

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: P950342

Luminaire Tested: **GALN-SB4D-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950342
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-SB4D-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35337 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

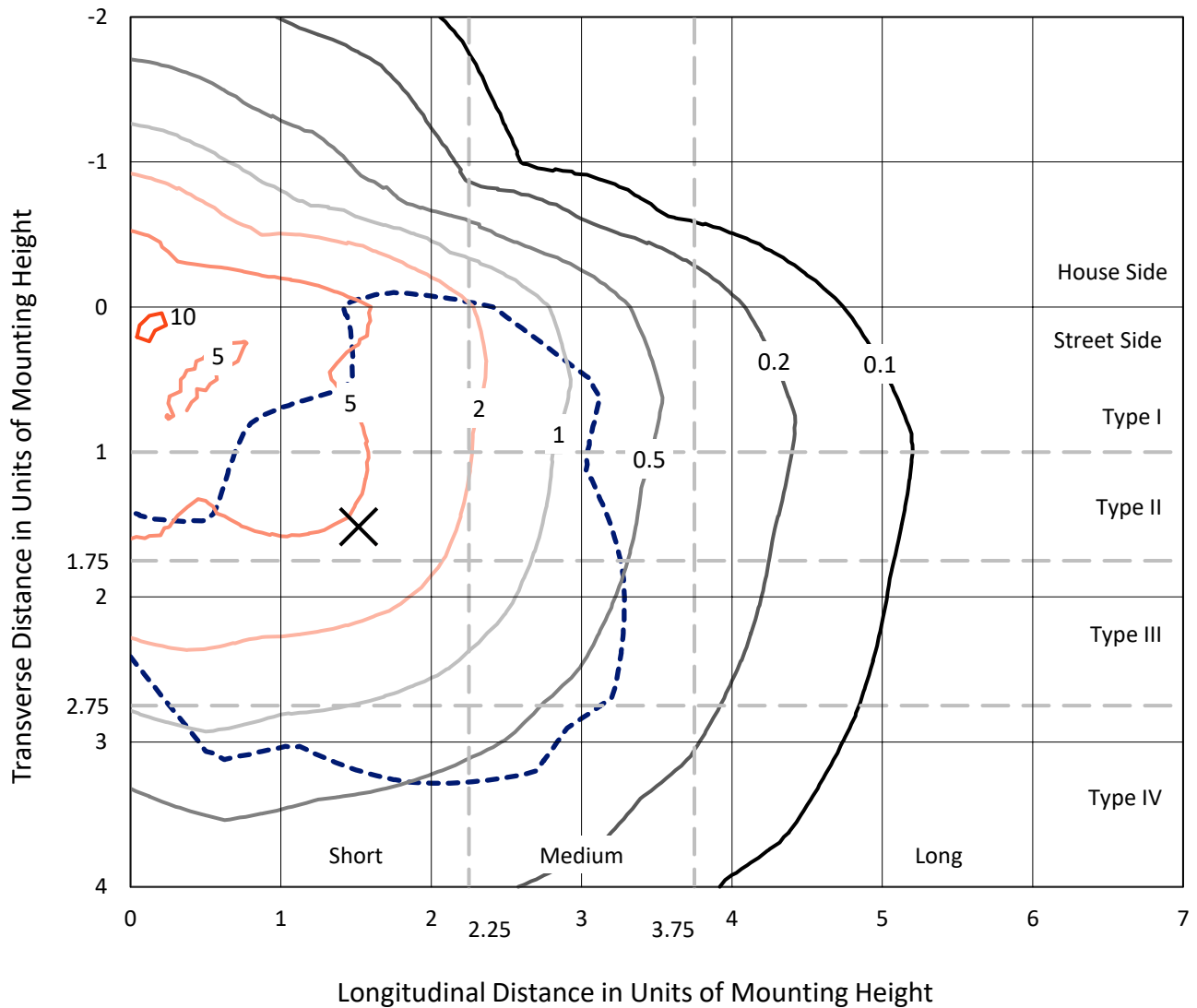
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

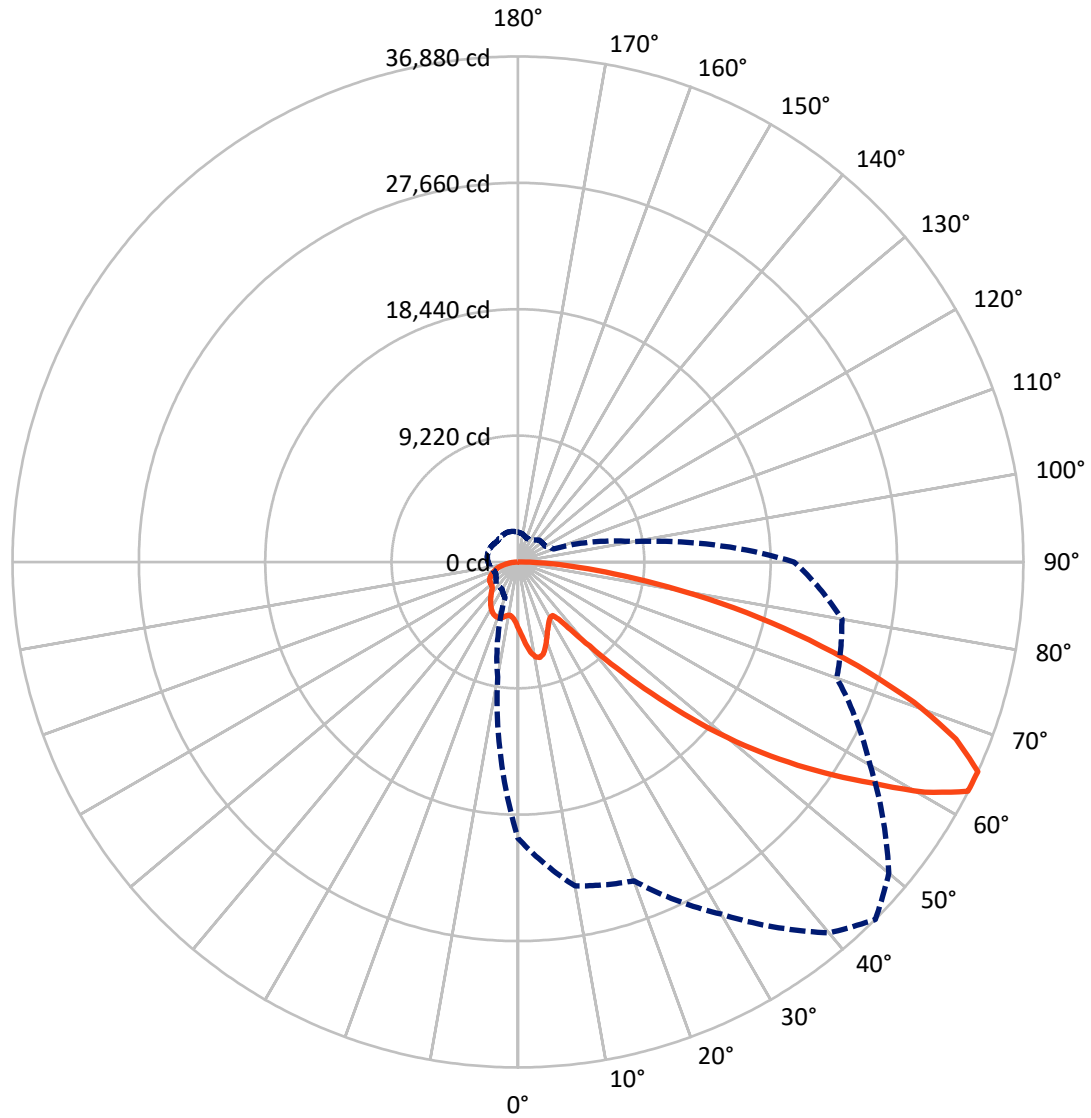
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	8980.9	0.0	8980.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	26356.1	0.0	26356.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	35337.0	0.0	35337.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	482.0	1.4
10°-20°	1513.2	4.3
20°-30°	2337.3	6.6
30°-40°	2962.0	8.4
40°-50°	4467.4	12.6
50°-60°	7217.8	20.4
60°-70°	8998.1	25.5
70°-80°	5900.5	16.7
80°-90°	1458.7	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°	35337.0	100.0
0°-180°	35337.0	100.0



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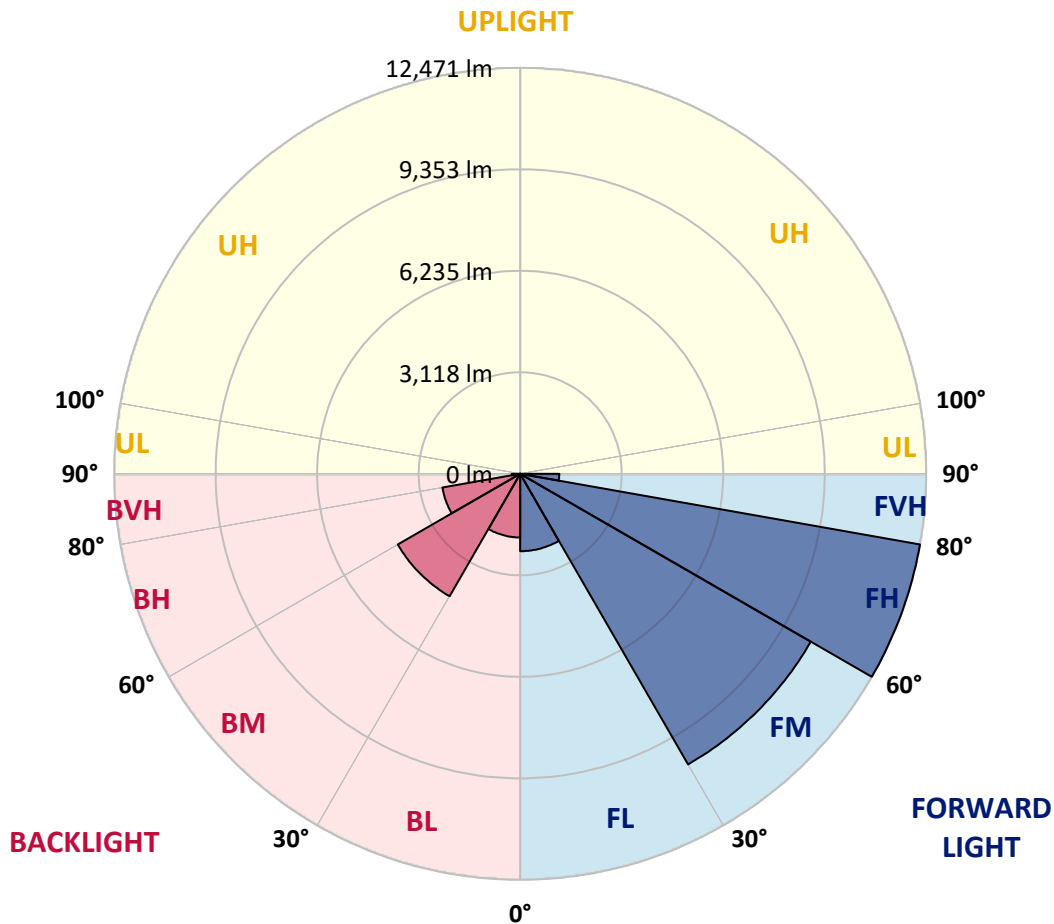
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2376.8	6.7			
FM (30°-60°)	10307.0	29.2			
FH (60°-80°)	12470.6	35.3			G5
FVH (80°-90°)	1201.7	3.4			G5
BL (0°-30°)	1955.7	5.5	B3/2500		
BM (30°-60°)	4340.1	12.3	B3/5000		
BH (60°-80°)	2428.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	257.1	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°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
2.5°	5225.5	5245.3	5265.3	5293.4	5321.6	5338.3	5355.1	5363.5	5371.9	5368.2
5°	5619.0	5688.1	5757.5	5826.1	5894.9	5932.2	5969.5	5992.1	6014.8	6032.0
7.5°	6014.3	6126.9	6239.3	6340.6	6441.8	6502.8	6563.8	6596.8	6629.6	6645.4
10°	6317.3	6450.4	6583.5	6702.3	6821.1	6893.0	6964.6	6996.7	7028.6	7040.7
12.5°	6502.8	6647.1	6791.2	6898.6	7005.7	7057.9	7110.1	7127.6	7145.1	7147.0
15°	6615.6	6740.1	6864.5	6931.8	6999.3	7001.2	7003.1	6984.4	6965.8	6943.8
17.5°	6679.0	6763.1	6847.2	6848.5	6849.6	6774.1	6698.6	6629.4	6560.0	6511.2
20°	6748.9	6778.2	6807.6	6719.1	6630.5	6463.8	6297.1	6175.7	6054.3	5979.8
22.5°	6830.0	6791.6	6753.2	6569.7	6386.2	6141.1	5895.9	5744.1	5592.3	5509.9
25°	6934.4	6813.2	6692.0	6413.5	6134.9	5837.1	5539.3	5379.7	5220.5	5142.6
27.5°	7076.1	6859.5	6642.6	6273.6	5904.8	5574.8	5244.7	5087.7	4930.9	4857.3
30°	7267.3	6944.1	6621.2	6167.0	5712.8	5368.9	5025.1	4879.5	4733.8	4665.2
32.5°	7492.9	7050.4	6608.1	6094.3	5580.4	5257.2	4934.1	4819.8	4705.3	4655.9
35°	7767.0	7225.5	6684.2	6148.7	5613.4	5388.9	5164.6	5137.9	5111.2	5107.1
37.5°	8228.5	7591.5	6954.6	6467.9	5981.3	5966.7	5952.2	6074.1	6196.1	6259.5
40°	8925.8	8233.1	7540.4	7178.5	6816.6	7072.0	7327.5	7624.0	7920.4	8068.1
42.5°	9850.7	9163.4	8476.1	8267.6	8059.2	8616.3	9173.4	9712.7	10251.9	10568.5
45°	10992.7	10375.4	9757.8	9665.9	9573.8	10466.4	11359.1	12245.2	13131.4	13669.4
47.5°	12421.0	11820.4	11219.7	11201.0	11182.4	12470.1	13757.4	15054.6	16351.6	17113.3
50°	14293.1	13551.2	12809.4	12812.6	12815.8	14475.2	16134.7	17847.0	19559.3	20594.5
52.5°	16442.0	15543.7	14645.5	14554.7	14463.7	16445.9	18428.2	20546.7	22665.1	23906.0
55°	18729.9	17842.3	16954.8	16600.7	16246.6	18452.8	20658.8	23184.4	25710.0	27185.8
57.5°	20810.8	20327.5	19844.0	19133.8	18423.7	20651.4	22879.0	25739.7	28600.1	30430.2
60°	22068.4	22819.1	23570.0	22688.1	21806.1	23914.2	26022.3	29085.1	32147.9	34125.9
62.5°	21429.8	23481.1	25532.3	25432.9	25333.4	27264.5	29195.9	32109.9	35023.7	36851.9
65°	20151.6	22076.8	24002.0	24383.0	24763.7	27217.9	29672.3	32497.9	35323.3	36879.9
67.5°	18439.0	20270.0	22101.1	22279.7	22458.1	25015.3	27572.2	30409.9	33247.6	34467.1
70°	16381.4	18373.0	20364.8	20444.6	20524.6	22811.3	25097.9	27539.9	29981.8	30659.6
72.5°	13929.5	16214.9	18500.5	18558.0	18615.2	20404.3	22193.4	24022.4	25851.2	25919.8
75°	10827.7	13193.1	15558.6	15771.0	15983.3	17375.3	18767.2	20054.7	21342.2	20997.2
77.5°	7736.2	9944.3	12152.5	12456.4	12760.4	13818.5	14876.7	15789.8	16703.1	16110.1
80°	5063.3	6921.0	8778.5	9156.3	9534.1	10333.2	11132.0	11611.6	12091.0	11137.2
82.5°	2943.3	4213.2	5483.4	5905.4	6327.5	6877.6	7427.6	7627.7	7827.6	7078.0
85°	1295.0	1969.0	2643.1	3002.0	3360.9	3812.9	4264.7	4378.3	4491.8	3891.4
87.5°	400.9	627.4	854.0	1054.2	1254.5	1480.5	1706.5	1716.2	1725.7	1448.8
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°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
5371.9	2.5°	5363.5	5355.1	5338.3	5321.6	5293.4	5265.3	5245.3	5225.5	5185.4	5145.4
6014.8	5°	5992.1	5969.5	5932.2	5894.9	5826.1	5757.5	5688.1	5619.0	5530.4	5441.8
6629.6	7.5°	6596.8	6563.8	6502.8	6441.8	6340.6	6239.3	6126.9	6014.3	5868.1	5722.1
7028.6	10°	6996.7	6964.6	6893.0	6821.1	6702.3	6583.5	6450.4	6317.3	6132.5	5947.7
7145.1	12.5°	7127.6	7110.1	7057.9	7005.7	6898.6	6791.2	6647.1	6502.8	6299.7	6096.9
6965.8	15°	6984.4	7003.1	7001.2	6999.3	6931.8	6864.5	6740.1	6615.6	6404.0	6192.3
6560.0	17.5°	6629.4	6698.6	6774.1	6849.6	6848.5	6847.2	6763.1	6679.0	6464.4	6249.8
6054.3	20°	6175.7	6297.1	6463.8	6630.5	6719.1	6807.6	6778.2	6748.9	6525.9	6302.7
5592.3	22.5°	5744.1	5895.9	6141.1	6386.2	6569.7	6753.2	6791.6	6830.0	6602.2	6374.1
5220.5	25°	5379.7	5539.3	5837.1	6134.9	6413.5	6692.0	6813.2	6934.4	6711.1	6487.9
4930.9	27.5°	5087.7	5244.7	5574.8	5904.8	6273.6	6642.6	6859.5	7076.1	6863.2	6650.1
4733.8	30°	4879.5	5025.1	5368.9	5712.8	6167.0	6621.2	6944.1	7267.3	7061.4	6855.8
4705.3	32.5°	4819.8	4934.1	5257.2	5580.4	6094.3	6608.1	7050.4	7492.9	7289.1	7085.5
5111.2	35°	5137.9	5164.6	5388.9	5613.4	6148.7	6684.2	7225.5	7767.0	7571.9	7376.7
6196.1	37.5°	6074.1	5952.2	5966.7	5981.3	6467.9	6954.6	7591.5	8228.5	7979.7	7731.0
7920.4	40°	7624.0	7327.5	7072.0	6816.6	7178.5	7540.4	8233.1	8925.8	8563.4	8200.9
10251.9	42.5°	9712.7	9173.4	8616.3	8059.2	8267.6	8476.1	9163.4	9850.7	9327.5	8804.3
13131.4	45°	12245.2	11359.1	10466.4	9573.8	9665.9	9757.8	10375.4	10992.7	10287.0	9581.2
16351.6	47.5°	15054.6	13757.4	12470.1	11182.4	11201.0	11219.7	11820.4	12421.0	11427.7	10434.3
19559.3	50°	17847.0	16134.7	14475.2	12815.8	12812.6	12809.4	13551.2	14293.1	12795.6	11298.0
22665.1	52.5°	20546.7	18428.2	16445.9	14463.7	14554.7	14645.5	15543.7	16442.0	14232.5	12022.9
25710.0	55°	23184.4	20658.8	18452.8	16246.6	16600.7	16954.8	17842.3	18729.9	15506.4	12283.0
28600.1	57.5°	25739.7	22879.0	20651.4	18423.7	19133.8	19844.0	20327.5	20810.8	16409.2	12007.6
32147.9	60°	29085.1	26022.3	23914.2	21806.1	22688.1	23570.0	22819.1	22068.4	16634.8	11201.0
35023.7	62.5°	32109.9	29195.9	27264.5	25333.4	25432.9	25532.3	23481.1	21429.8	15684.8	9939.8
35323.3	65°	32497.9	29672.3	27217.9	24763.7	24383.0	24002.0	22076.8	20151.6	14340.6	8529.6
33247.6	67.5°	30409.9	27572.2	25015.3	22458.1	22279.7	22101.1	20270.0	18439.0	12741.0	7043.0
29981.8	70°	27539.9	25097.9	22811.3	20524.6	20444.6	20364.8	18373.0	16381.4	10995.5	5609.6
25851.2	72.5°	24022.4	22193.4	20404.3	18615.2	18558.0	18500.5	16214.9	13929.5	9103.3	4277.4
21342.2	75°	20054.7	18767.2	17375.3	15983.3	15771.0	15558.6	13193.1	10827.7	6934.3	3040.8
16703.1	77.5°	15789.8	14876.7	13818.5	12760.4	12456.4	12152.5	9944.3	7736.2	4853.4	1970.5
12091.0	80°	11611.6	11132.0	10333.2	9534.1	9156.3	8778.5	6921.0	5063.3	3126.9	1190.5
7827.6	82.5°	7627.7	7427.6	6877.6	6327.5	5905.4	5483.4	4213.2	2943.3	1809.8	676.5
4491.8	85°	4378.3	4264.7	3812.9	3360.9	3002.0	2643.1	1969.0	1295.0	814.1	333.4
1725.7	87.5°	1716.2	1706.5	1480.5	1254.5	1054.2	854.0	627.4	400.9	266.6	132.4
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°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
5102.7	2.5°	5060.1	5017.3	4974.4	4933.4	4892.3	4852.6	4808.4	4772.6	4737.0	4704.8
5353.4	5°	5265.3	5176.3	5087.6	5004.6	4921.6	4843.3	4765.9	4698.4	4630.7	4574.0
5587.1	7.5°	5452.1	5320.6	5189.2	5073.4	4957.6	4850.8	4750.6	4660.7	4571.1	4496.5
5769.3	10°	5591.0	5431.4	5271.6	5134.7	4997.5	4865.7	4758.1	4663.4	4568.6	4494.1
5894.7	12.5°	5692.6	5504.3	5316.0	5161.0	5006.1	4867.5	4767.4	4689.8	4612.6	4563.0
5973.1	15°	5753.8	5536.9	5320.1	5140.7	4961.3	4807.9	4727.7	4690.6	4653.7	4660.4
6010.5	17.5°	5771.3	5519.6	5267.9	5052.1	4836.4	4655.9	4606.5	4620.1	4633.5	4714.8
6039.8	20°	5776.9	5471.8	5166.8	4899.4	4632.0	4421.9	4408.8	4472.2	4535.6	4676.8
6079.3	22.5°	5784.4	5413.3	5042.2	4720.2	4398.2	4159.0	4184.5	4278.3	4372.1	4533.2
6150.9	25°	5813.8	5355.5	4897.4	4520.2	4143.1	3897.9	3966.9	4075.1	4183.2	4328.1
6262.8	27.5°	5875.3	5316.9	4758.5	4337.2	3916.0	3692.8	3776.7	3881.2	3985.6	4104.7
6407.7	30°	5959.6	5298.8	4637.6	4184.3	3731.1	3543.7	3609.5	3692.3	3775.4	3874.3
6558.9	32.5°	6032.3	5276.4	4520.2	4052.5	3584.7	3433.7	3462.9	3512.0	3561.0	3639.9
6731.2	35°	6085.7	5234.3	4383.3	3922.9	3462.6	3336.7	3324.6	3338.0	3351.6	3411.8
6924.2	37.5°	6117.4	5162.1	4206.9	3770.4	3333.9	3223.9	3179.5	3164.6	3149.7	3192.9
7169.2	40°	6137.3	5062.8	3988.4	3588.4	3188.5	3088.7	3020.6	2986.9	2953.1	2984.3
7489.7	42.5°	6175.2	4960.2	3745.6	3387.6	3029.6	2937.7	2851.9	2807.2	2762.4	2787.8
7911.5	45°	6241.7	4864.9	3488.3	3174.3	2860.3	2767.1	2684.1	2640.5	2597.0	2618.3
8360.9	47.5°	6287.4	4786.2	3285.0	3005.5	2726.0	2605.8	2534.4	2497.8	2461.3	2481.4
8777.8	50°	6257.6	4700.5	3143.3	2893.5	2643.6	2485.5	2402.5	2370.1	2337.8	2369.2
9048.5	52.5°	6073.9	4555.6	3037.4	2819.6	2602.0	2420.2	2304.3	2272.2	2240.3	2287.5
8988.9	55°	5694.5	4315.4	2936.4	2766.1	2595.9	2426.8	2252.1	2201.3	2150.8	2217.8
8568.9	57.5°	5130.4	3976.8	2823.0	2702.7	2582.5	2433.3	2220.7	2146.9	2073.1	2145.0
7787.5	60°	4374.0	3537.1	2700.3	2605.8	2511.2	2412.8	2191.3	2095.6	1999.8	2063.0
6730.8	62.5°	3521.9	3011.0	2500.1	2437.2	2374.6	2362.4	2157.0	2037.3	1917.7	1957.8
5652.7	65°	2776.0	2537.5	2299.0	2269.4	2239.8	2241.2	2084.6	1957.5	1830.1	1845.6
4596.6	67.5°	2150.3	2082.6	2014.7	2031.3	2047.7	2043.6	1955.6	1849.7	1743.8	1738.9
3619.2	70°	1628.7	1648.1	1667.3	1744.1	1820.8	1820.8	1791.9	1716.5	1641.2	1624.4
2766.9	72.5°	1256.4	1314.7	1373.3	1482.2	1590.9	1609.1	1609.5	1557.9	1506.2	1481.6
2008.2	75°	975.6	1028.5	1081.5	1203.4	1325.4	1409.6	1402.6	1362.8	1322.9	1299.4
1360.8	77.5°	751.1	787.0	823.2	941.6	1060.0	1198.9	1195.2	1163.3	1131.4	1107.6
876.7	80°	563.1	578.0	592.9	693.3	793.4	959.3	958.8	932.1	905.3	885.3
539.2	82.5°	402.4	405.0	408.0	481.8	555.7	697.4	705.2	692.1	679.1	664.9
288.3	85°	243.3	242.0	240.5	294.6	348.7	454.0	464.3	450.3	436.3	420.5
119.5	87.5°	106.7	105.3	104.0	126.0	148.2	192.1	205.1	199.5	193.9	190.9
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4672.7	2.5°	4644.5	4616.4	4588.0	4559.9	4538.1	4516.1	4498.3	4480.6	4466.8	4453.0
4517.5	5°	4467.6	4417.6	4372.3	4326.8	4291.9	4256.9	4232.5	4208.0	4190.7	4173.3
4421.9	7.5°	4359.1	4296.0	4240.5	4185.1	4143.5	4102.1	4073.0	4043.9	4024.0	4004.2
4419.5	10°	4351.8	4283.9	4221.4	4159.0	4109.4	4059.6	4027.2	3994.3	3975.5	3956.7
4513.8	12.5°	4460.5	4407.5	4342.8	4278.3	4214.9	4151.5	4109.6	4067.6	4046.6	4025.7
4667.1	15°	4653.3	4639.5	4583.4	4527.2	4437.0	4346.8	4283.0	4219.2	4189.9	4160.8
4796.1	17.5°	4839.4	4882.4	4837.1	4792.0	4672.5	4553.0	4459.0	4365.0	4321.8	4278.3
4818.1	20°	4908.6	4999.0	4978.1	4957.0	4820.4	4683.9	4568.6	4453.6	4398.2	4342.6
4694.7	22.5°	4812.3	4930.0	4942.7	4955.2	4824.6	4694.1	4575.5	4456.8	4398.4	4339.9
4473.2	25°	4589.0	4704.8	4748.0	4791.1	4684.1	4577.2	4471.7	4366.5	4315.8	4265.3
4223.7	27.5°	4316.5	4409.4	4457.5	4505.8	4429.5	4353.5	4271.6	4189.8	4155.8	4121.7
3973.1	30°	4050.1	4127.3	4166.4	4205.6	4147.6	4089.4	4030.9	3972.0	3954.6	3937.1
3718.9	32.5°	3792.8	3866.8	3910.2	3953.9	3900.6	3847.0	3800.2	3753.4	3742.1	3730.7
3471.9	35°	3545.0	3618.3	3670.5	3722.7	3684.6	3646.8	3603.5	3560.4	3543.1	3526.0
3236.0	37.5°	3308.9	3382.0	3446.5	3511.0	3493.5	3476.0	3436.3	3396.4	3364.9	3333.5
3015.4	40°	3085.9	3156.4	3230.6	3305.0	3309.3	3313.4	3279.6	3245.9	3200.0	3154.5
2813.3	42.5°	2880.1	2947.0	3027.2	3107.4	3128.8	3150.2	3121.7	3093.4	3036.5	2979.6
2639.9	45°	2703.3	2766.7	2849.9	2933.0	2963.8	2994.5	2968.8	2943.3	2878.2	2813.3
2501.4	47.5°	2563.4	2625.4	2707.4	2789.4	2824.9	2860.3	2842.4	2824.5	2766.7	2708.9
2400.7	50°	2459.2	2517.6	2591.0	2664.5	2710.0	2755.5	2754.4	2753.6	2707.4	2661.2
2334.5	52.5°	2388.2	2441.7	2510.1	2578.7	2632.6	2686.5	2696.2	2705.9	2668.2	2630.6
2284.5	55°	2342.3	2400.1	2460.2	2520.0	2577.1	2634.3	2647.7	2661.2	2628.3	2595.5
2217.0	57.5°	2284.9	2352.7	2412.0	2471.5	2529.1	2586.6	2600.2	2613.8	2580.6	2547.4
2126.0	60°	2204.0	2281.9	2342.1	2402.5	2460.3	2518.1	2533.1	2548.0	2515.5	2483.3
1997.9	62.5°	2088.7	2179.7	2244.0	2308.4	2361.3	2414.3	2428.6	2443.0	2413.7	2384.4
1860.9	65°	1958.2	2055.7	2117.3	2178.8	2225.4	2272.0	2286.7	2301.3	2273.1	2245.0
1734.1	67.5°	1823.9	1914.0	1972.4	2030.5	2070.8	2111.1	2125.5	2139.6	2113.7	2088.0
1607.7	70°	1686.7	1765.8	1816.1	1866.5	1902.8	1939.2	1953.0	1966.8	1945.7	1924.6
1457.2	72.5°	1519.5	1581.6	1627.0	1672.5	1708.2	1743.8	1760.2	1776.6	1759.1	1741.5
1275.8	75°	1322.0	1368.2	1409.4	1450.7	1483.1	1515.5	1532.7	1549.9	1541.3	1532.7
1083.7	77.5°	1121.4	1158.8	1194.3	1229.7	1263.8	1297.8	1313.8	1329.8	1317.9	1305.6
865.2	80°	896.5	927.6	957.5	987.3	1013.2	1039.0	1060.2	1081.5	1076.2	1071.2
650.7	82.5°	648.1	645.5	635.1	624.6	679.8	735.0	771.2	807.4	805.1	802.7
404.6	85°	391.2	377.6	348.7	319.8	371.4	423.3	468.0	512.8	509.0	505.3
188.0	87.5°	187.4	186.8	164.8	142.6	164.3	186.1	204.2	222.3	217.8	212.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4440.4	2.5°	4427.5	4411.6	4427.5	4440.4	4453.0	4466.8	4480.6	4498.3	4516.1	4538.1
4160.1	5°	4146.9	4133.8	4146.9	4160.1	4173.3	4190.7	4208.0	4232.5	4256.9	4291.9
3992.3	7.5°	3980.5	3971.6	3980.5	3992.3	4004.2	4024.0	4043.9	4073.0	4102.1	4143.5
3946.6	10°	3936.5	3932.4	3936.5	3946.6	3956.7	3975.5	3994.3	4027.2	4059.6	4109.4
4017.1	12.5°	4008.5	4007.0	4008.5	4017.1	4025.7	4046.6	4067.6	4109.6	4151.5	4214.9
4149.7	15°	4138.5	4137.5	4138.5	4149.7	4160.8	4189.9	4219.2	4283.0	4346.8	4437.0
4264.1	17.5°	4249.8	4247.6	4249.8	4264.1	4278.3	4321.8	4365.0	4459.0	4553.0	4672.5
4324.9	20°	4307.2	4301.6	4307.2	4324.9	4342.6	4398.2	4453.6	4568.6	4683.9	4820.4
4320.3	22.5°	4300.7	4292.3	4300.7	4320.3	4339.9	4398.4	4456.8	4575.5	4694.1	4824.6
4246.8	25°	4228.5	4217.7	4228.5	4246.8	4265.3	4315.8	4366.5	4471.7	4577.2	4684.1
4113.3	27.5°	4104.9	4102.1	4104.9	4113.3	4121.7	4155.8	4189.8	4271.6	4353.5	4429.5
3937.1	30°	3937.1	3939.9	3937.1	3937.1	3937.1	3954.6	3972.0	4030.9	4089.4	4147.6
3732.2	32.5°	3733.9	3736.7	3733.9	3732.2	3730.7	3742.1	3753.4	3800.2	3847.0	3900.6
3522.2	35°	3518.5	3516.6	3518.5	3522.2	3526.0	3543.1	3560.4	3603.5	3646.8	3684.6
3316.9	37.5°	3300.3	3291.0	3300.3	3316.9	3333.5	3364.9	3396.4	3436.3	3476.0	3493.5
3123.6	40°	3093.0	3074.7	3093.0	3123.6	3154.5	3200.0	3245.9	3279.6	3313.4	3309.3
2934.7	42.5°	2889.8	2860.3	2889.8	2934.7	2979.6	3036.5	3093.4	3121.7	3150.2	3128.8
2760.5	45°	2707.8	2673.8	2707.8	2760.5	2813.3	2878.2	2943.3	2968.8	2994.5	2963.8
2660.0	47.5°	2611.4	2578.7	2611.4	2660.0	2708.9	2766.7	2824.5	2842.4	2860.3	2824.9
2616.0	50°	2570.9	2539.6	2570.9	2616.0	2661.2	2707.4	2753.6	2754.4	2755.5	2710.0
2590.1	52.5°	2549.8	2520.9	2549.8	2590.1	2630.6	2668.2	2705.9	2696.2	2686.5	2632.6
2560.1	55°	2524.7	2498.6	2524.7	2560.1	2595.5	2628.3	2661.2	2647.7	2634.3	2577.1
2512.4	57.5°	2477.1	2450.1	2477.1	2512.4	2547.4	2580.6	2613.8	2600.2	2586.6	2529.1
2447.1	60°	2410.9	2383.0	2410.9	2447.1	2483.3	2515.5	2548.0	2533.1	2518.1	2460.3
2346.4	62.5°	2308.4	2274.8	2308.4	2346.4	2384.4	2413.7	2443.0	2428.6	2414.3	2361.3
2208.1	65°	2171.3	2142.4	2171.3	2208.1	2245.0	2273.1	2301.3	2286.7	2272.0	2225.4
2053.7	67.5°	2019.4	1993.3	2019.4	2053.7	2088.0	2113.7	2139.6	2125.5	2111.1	2070.8
1891.8	70°	1859.0	1829.2	1859.0	1891.8	1924.6	1945.7	1966.8	1953.0	1939.2	1902.8
1710.2	72.5°	1679.1	1650.2	1679.1	1710.2	1741.5	1759.1	1776.6	1760.2	1743.8	1708.2
1506.4	75°	1480.1	1452.5	1480.1	1506.4	1532.7	1541.3	1549.9	1532.7	1515.5	1483.1
1279.1	77.5°	1252.6	1230.6	1252.6	1279.1	1305.6	1317.9	1329.8	1313.8	1297.8	1263.8
1035.6	80°	999.8	958.4	999.8	1035.6	1071.2	1076.2	1081.5	1060.2	1039.0	1013.2
772.7	82.5°	742.5	716.0	742.5	772.7	802.7	805.1	807.4	771.2	735.0	679.8
481.8	85°	458.3	434.5	458.3	481.8	505.3	509.0	512.8	468.0	423.3	371.4
201.0	87.5°	188.7	177.1	188.7	201.0	212.9	217.8	222.3	204.2	186.1	164.3
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°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4559.9	2.5°	4588.0	4616.4	4644.5	4672.7	4704.8	4737.0	4772.6	4808.4	4852.6	4892.3
4326.8	5°	4372.3	4417.6	4467.6	4517.5	4574.0	4630.7	4698.4	4765.9	4843.3	4921.6
4185.1	7.5°	4240.5	4296.0	4359.1	4421.9	4496.5	4571.1	4660.7	4750.6	4850.8	4957.6
4159.0	10°	4221.4	4283.9	4351.8	4419.5	4494.1	4568.6	4663.4	4758.1	4865.7	4997.5
4278.3	12.5°	4342.8	4407.5	4460.5	4513.8	4563.0	4612.6	4689.8	4767.4	4867.5	5006.1
4527.2	15°	4583.4	4639.5	4653.3	4667.1	4660.4	4653.7	4690.6	4727.7	4807.9	4961.3
4792.0	17.5°	4837.1	4882.4	4839.4	4796.1	4714.8	4633.5	4620.1	4606.5	4655.9	4836.4
4957.0	20°	4978.1	4999.0	4908.6	4818.1	4676.8	4535.6	4472.2	4408.8	4421.9	4632.0
4955.2	22.5°	4942.7	4930.0	4812.3	4694.7	4533.2	4372.1	4278.3	4184.5	4159.0	4398.2
4791.1	25°	4748.0	4704.8	4589.0	4473.2	4328.1	4183.2	4075.1	3966.9	3897.9	4143.1
4505.8	27.5°	4457.5	4409.4	4316.5	4223.7	4104.7	3985.6	3881.2	3776.7	3692.8	3916.0
4205.6	30°	4166.4	4127.3	4050.1	3973.1	3874.3	3775.4	3692.3	3609.5	3543.7	3731.1
3953.9	32.5°	3910.2	3866.8	3792.8	3718.9	3639.9	3561.0	3512.0	3462.9	3433.7	3584.7
3722.7	35°	3670.5	3618.3	3545.0	3471.9	3411.8	3351.6	3338.0	3324.6	3336.7	3462.6
3511.0	37.5°	3446.5	3382.0	3308.9	3236.0	3192.9	3149.7	3164.6	3179.5	3223.9	3333.9
3305.0	40°	3230.6	3156.4	3085.9	3015.4	2984.3	2953.1	2986.9	3020.6	3088.7	3188.5
3107.4	42.5°	3027.2	2947.0	2880.1	2813.3	2787.8	2762.4	2807.2	2851.9	2937.7	3029.6
2933.0	45°	2849.9	2766.7	2703.3	2639.9	2618.3	2597.0	2640.5	2684.1	2767.1	2860.3
2789.4	47.5°	2707.4	2625.4	2563.4	2501.4	2481.4	2461.3	2497.8	2534.4	2605.8	2726.0
2664.5	50°	2591.0	2517.6	2459.2	2400.7	2369.2	2337.8	2370.1	2402.5	2485.5	2643.6
2578.7	52.5°	2510.1	2441.7	2388.2	2334.5	2287.5	2240.3	2272.2	2304.3	2420.2	2602.0
2520.0	55°	2460.2	2400.1	2342.3	2284.5	2217.8	2150.8	2201.3	2252.1	2426.8	2595.9
2471.5	57.5°	2412.0	2352.7	2284.9	2217.0	2145.0	2073.1	2146.9	2220.7	2433.3	2582.5
2402.5	60°	2342.1	2281.9	2204.0	2126.0	2063.0	1999.8	2095.6	2191.3	2412.8	2511.2
2308.4	62.5°	2244.0	2179.7	2088.7	1997.9	1957.8	1917.7	2037.3	2157.0	2362.4	2374.6
2178.8	65°	2117.3	2055.7	1958.2	1860.9	1845.6	1830.1	1957.5	2084.6	2241.2	2239.8
2030.5	67.5°	1972.4	1914.0	1823.9	1734.1	1738.9	1743.8	1849.7	1955.6	2043.6	2047.7
1866.5	70°	1816.1	1765.8	1686.7	1607.7	1624.4	1641.2	1716.5	1791.9	1820.8	1820.8
1672.5	72.5°	1627.0	1581.6	1519.5	1457.2	1481.6	1506.2	1557.9	1609.5	1609.1	1590.9
1450.7	75°	1409.4	1368.2	1322.0	1275.8	1299.4	1322.9	1362.8	1402.6	1409.6	1325.4
1229.7	77.5°	1194.3	1158.8	1121.4	1083.7	1107.6	1131.4	1163.3	1195.2	1198.9	1060.0
987.3	80°	957.5	927.6	896.5	865.2	885.3	905.3	932.1	958.8	959.3	793.4
624.6	82.5°	635.1	645.5	648.1	650.7	664.9	679.1	692.1	705.2	697.4	555.7
319.8	85°	348.7	377.6	391.2	404.6	420.5	436.3	450.3	464.3	454.0	348.7
142.6	87.5°	164.8	186.8	187.4	188.0	190.9	193.9	199.5	205.1	192.1	148.2
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):

325°		330°	335°	340°	345°	350°	355°	360°
4859.1	0°	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1	4859.1
4933.4	2.5°	4974.4	5017.3	5060.1	5102.7	5145.4	5185.4	5225.5
5004.6	5°	5087.6	5176.3	5265.3	5353.4	5441.8	5530.4	5619.0
5073.4	7.5°	5189.2	5320.6	5452.1	5587.1	5722.1	5868.1	6014.3
5134.7	10°	5271.6	5431.4	5591.0	5769.3	5947.7	6132.5	6317.3
5161.0	12.5°	5316.0	5504.3	5692.6	5894.7	6096.9	6299.7	6502.8
5140.7	15°	5320.1	5536.9	5753.8	5973.1	6192.3	6404.0	6615.6
5052.1	17.5°	5267.9	5519.6	5771.3	6010.5	6249.8	6464.4	6679.0
4899.4	20°	5166.8	5471.8	5776.9	6039.8	6302.7	6525.9	6748.9
4720.2	22.5°	5042.2	5413.3	5784.4	6079.3	6374.1	6602.2	6830.0
4520.2	25°	4897.4	5355.5	5813.8	6150.9	6487.9	6711.1	6934.4
4337.2	27.5°	4758.5	5316.9	5875.3	6262.8	6650.1	6863.2	7076.1
4184.3	30°	4637.6	5298.8	5959.6	6407.7	6855.8	7061.4	7267.3
4052.5	32.5°	4520.2	5276.4	6032.3	6558.9	7085.5	7289.1	7492.9
3922.9	35°	4383.3	5234.3	6085.7	6731.2	7376.7	7571.9	7767.0
3770.4	37.5°	4206.9	5162.1	6117.4	6924.2	7731.0	7979.7	8228.5
3588.4	40°	3988.4	5062.8	6137.3	7169.2	8200.9	8563.4	8925.8
3387.6	42.5°	3745.6	4960.2	6175.2	7489.7	8804.3	9327.5	9850.7
3174.3	45°	3488.3	4864.9	6241.7	7911.5	9581.2	10287.0	10992.7
3005.5	47.5°	3285.0	4786.2	6287.4	8360.9	10434.3	11427.7	12421.0
2893.5	50°	3143.3	4700.5	6257.6	8777.8	11298.0	12795.6	14293.1
2819.6	52.5°	3037.4	4555.6	6073.9	9048.5	12022.9	14232.5	16442.0
2766.1	55°	2936.4	4315.4	5694.5	8988.9	12283.0	15506.4	18729.9
2702.7	57.5°	2823.0	3976.8	5130.4	8568.9	12007.6	16409.2	20810.8
2605.8	60°	2700.3	3537.1	4374.0	7787.5	11201.0	16634.8	22068.4
2437.2	62.5°	2500.1	3011.0	3521.9	6730.8	9939.8	15684.8	21429.8
2269.4	65°	2299.0	2537.5	2776.0	5652.7	8529.6	14340.6	20151.6
2031.3	67.5°	2014.7	2082.6	2150.3	4596.6	7043.0	12741.0	18439.0
1744.1	70°	1667.3	1648.1	1628.7	3619.2	5609.6	10995.5	16381.4
1482.2	72.5°	1373.3	1314.7	1256.4	2766.9	4277.4	9103.3	13929.5
1203.4	75°	1081.5	1028.5	975.6	2008.2	3040.8	6934.3	10827.7
941.6	77.5°	823.2	787.0	751.1	1360.8	1970.5	4853.4	7736.2
693.3	80°	592.9	578.0	563.1	876.7	1190.5	3126.9	5063.3
481.8	82.5°	408.0	405.0	402.4	539.2	676.5	1809.8	2943.3
294.6	85°	240.5	242.0	243.3	288.3	333.4	814.1	1295.0
126.0	87.5°	104.0	105.3	106.7	119.5	132.4	266.6	400.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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