

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: P951770

Luminaire Tested: **GALN-SB5D-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951770
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-SB5D-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 44539 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

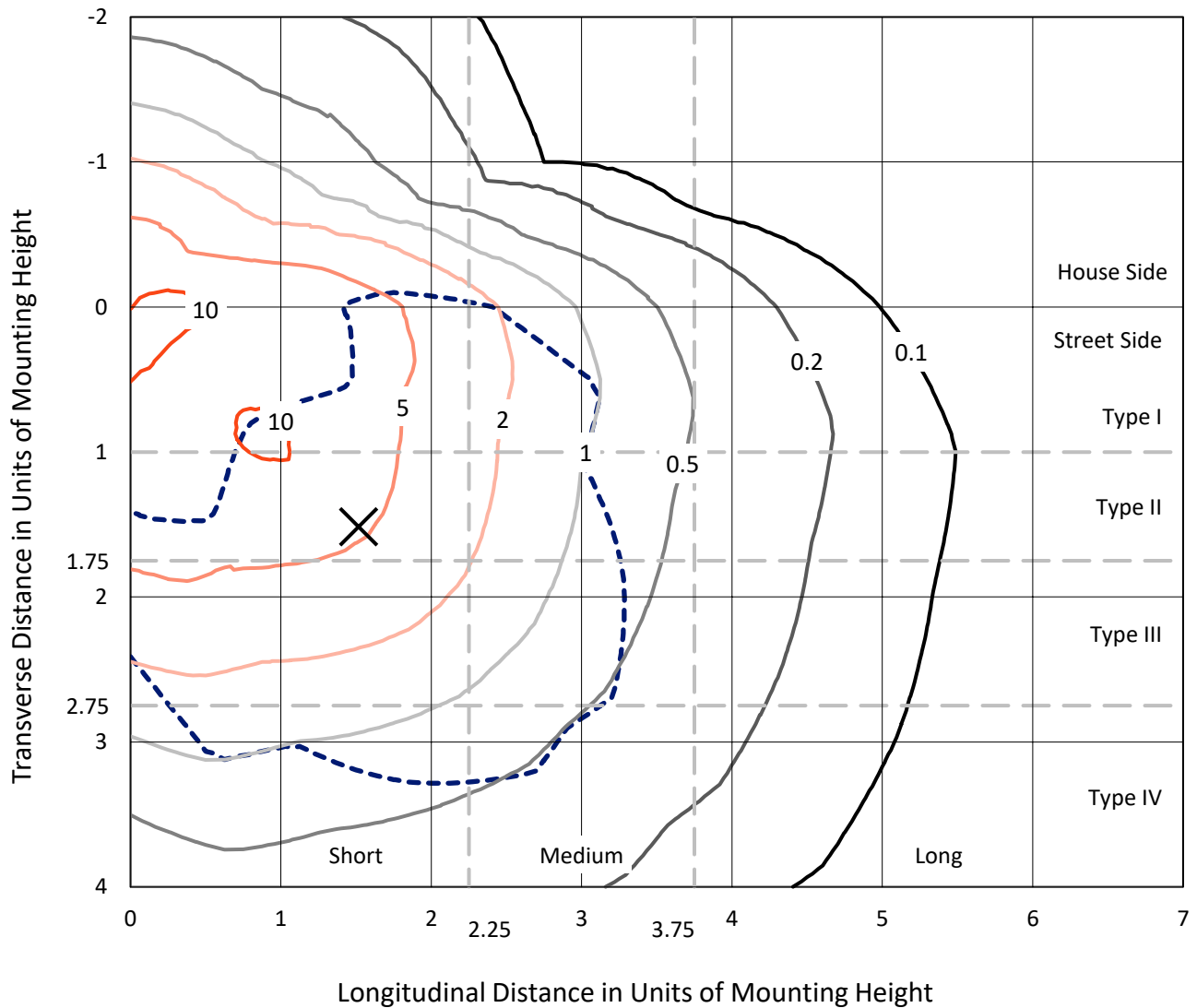
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

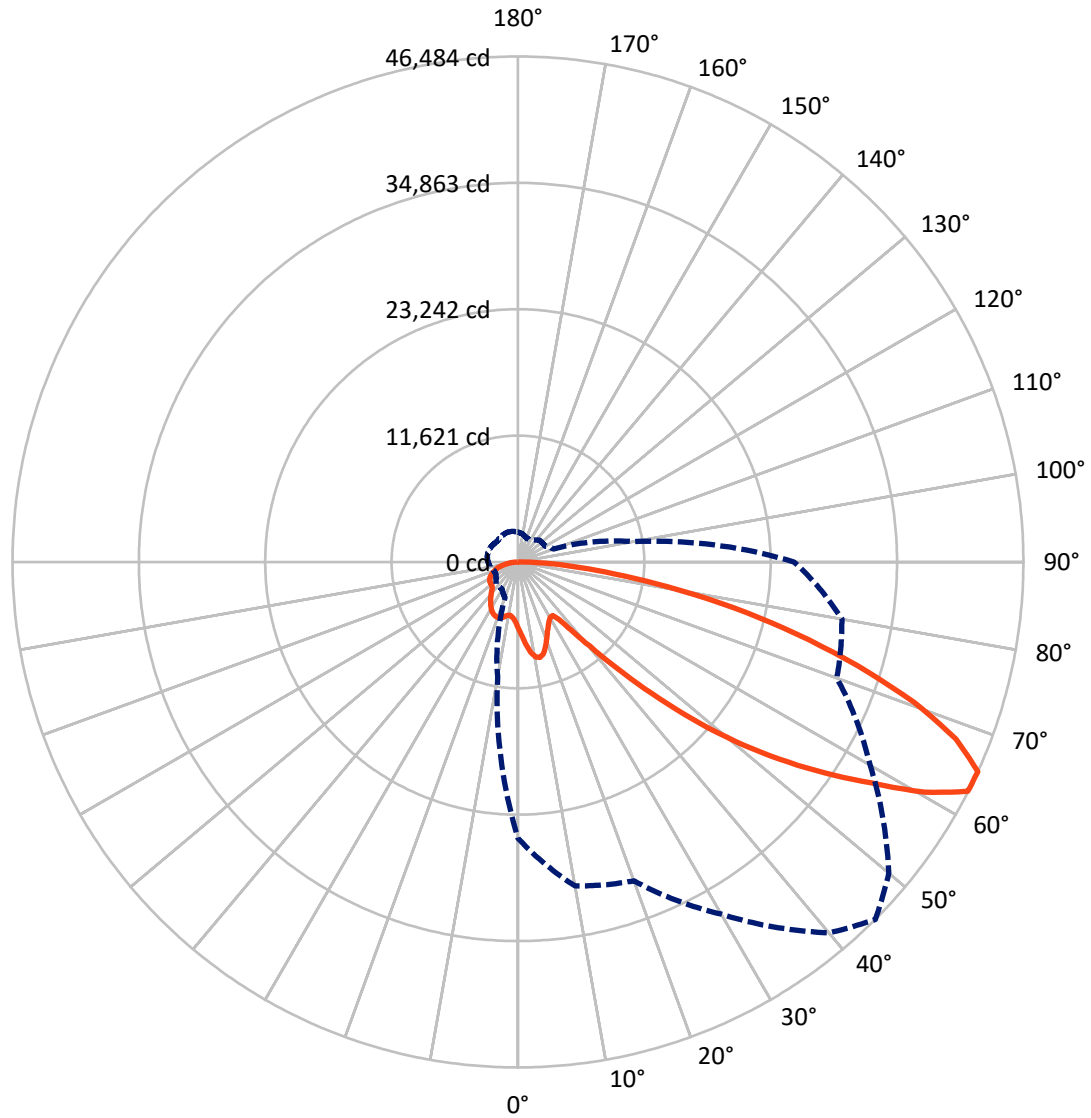
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	11319.6	0.0	11319.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	33219.4	0.0	33219.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	44539.0	0.0	44539.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	607.5	1.4
10°-20°	1907.2	4.3
20°-30°	2946.0	6.6
30°-40°	3733.3	8.4
40°-50°	5630.8	12.6
50°-60°	9097.3	20.4
60°-70°	11341.2	25.5
70°-80°	7437.0	16.7
80°-90°	1838.6	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°	44539.0	100.0
0°-180°	44539.0	100.0



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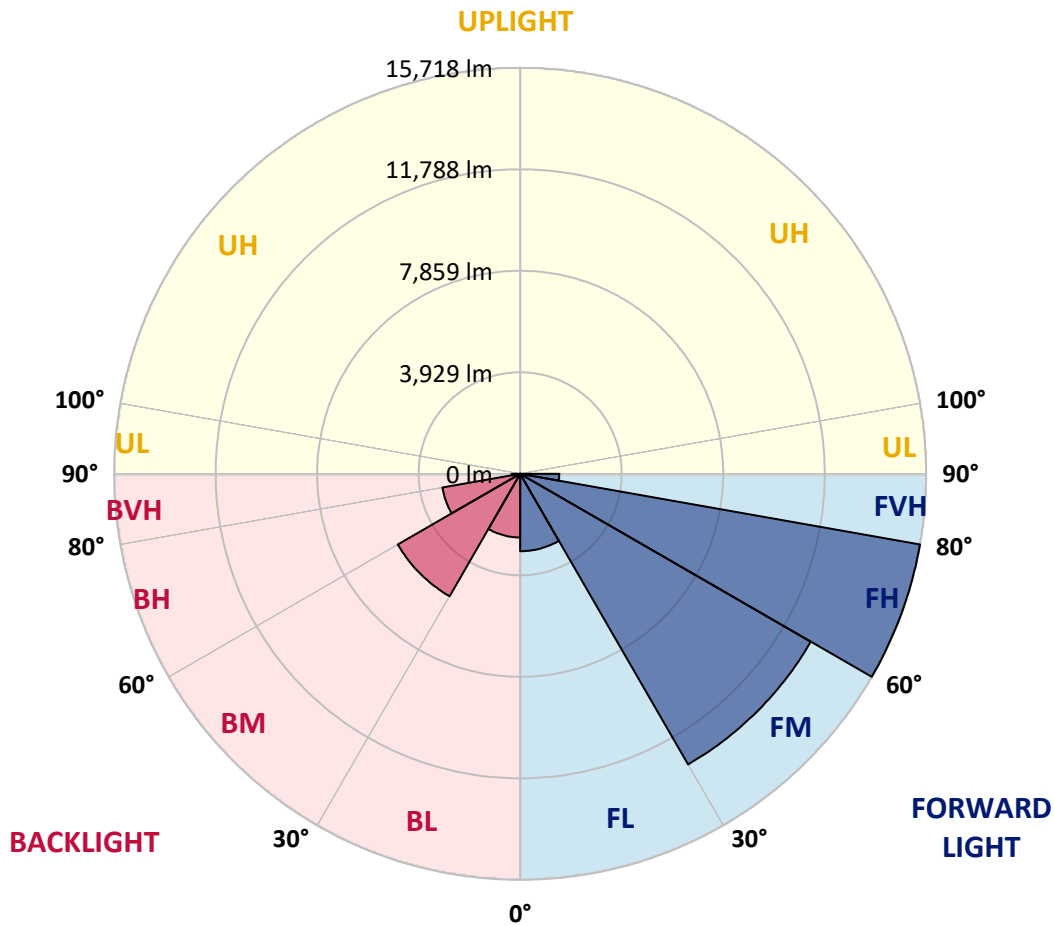
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2995.8	6.7			
FM (30°-60°)	12991.1	29.2			
FH (60°-80°)	15718.0	35.3			G5
FVH (80°-90°)	1514.6	3.4			G5
BL (0°-30°)	2465.0	5.5	B3/2500		
BM (30°-60°)	5470.3	12.3	B4/8500		
BH (60°-80°)	3060.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	324.0	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°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
2.5°	6586.3	6611.2	6636.4	6671.8	6707.3	6728.5	6749.6	6760.2	6770.8	6766.1
5°	7082.2	7169.4	7256.8	7343.3	7430.0	7477.0	7524.0	7552.4	7581.1	7602.7
7.5°	7580.4	7722.4	7864.1	7991.7	8119.3	8196.2	8273.0	8314.6	8356.0	8375.9
10°	7962.3	8130.1	8297.9	8447.6	8597.3	8688.0	8778.3	8818.7	8858.9	8874.2
12.5°	8196.2	8378.1	8559.7	8695.1	8830.0	8895.8	8961.6	8983.7	9005.8	9008.1
15°	8338.3	8495.3	8652.1	8736.9	8822.0	8824.4	8826.7	8803.2	8779.7	8752.0
17.5°	8418.2	8524.2	8630.2	8631.9	8633.3	8538.1	8442.9	8355.7	8268.3	8206.7
20°	8506.4	8543.3	8580.4	8468.8	8357.1	8147.0	7936.9	7783.9	7630.9	7536.9
22.5°	8608.6	8560.2	8511.8	8280.5	8049.3	7740.2	7431.2	7239.9	7048.6	6944.7
25°	8740.2	8587.5	8434.7	8083.6	7732.5	7357.2	6981.8	6780.7	6580.0	6481.7
27.5°	8918.8	8645.7	8372.4	7907.3	7442.5	7026.5	6610.5	6412.6	6215.0	6122.1
30°	9159.7	8752.4	8345.4	7772.9	7200.4	6767.0	6333.7	6150.1	5966.6	5880.1
32.5°	9444.1	8886.4	8328.9	7681.2	7033.5	6626.3	6219.0	6074.9	5930.6	5868.3
35°	9789.6	9107.1	8424.8	7749.9	7075.1	6792.2	6509.5	6475.8	6442.2	6437.1
37.5°	10371.2	9568.4	8765.6	8152.2	7538.8	7520.5	7502.2	7655.9	7809.6	7889.5
40°	11250.2	10377.1	9504.0	9047.9	8591.7	8913.7	9235.6	9609.3	9983.0	10169.1
42.5°	12415.9	11549.6	10683.3	10420.6	10157.8	10860.1	11562.3	12241.9	12921.6	13320.7
45°	13855.3	13077.2	12298.8	12183.0	12066.9	13191.9	14317.1	15433.9	16550.9	17229.0
47.5°	15655.5	14898.6	14141.3	14117.8	14094.3	15717.3	17339.9	18974.9	20609.7	21569.7
50°	18015.1	17080.0	16145.1	16149.1	16153.1	18244.7	20336.3	22494.5	24652.6	25957.4
52.5°	20723.6	19591.3	18459.3	18344.8	18230.1	20728.6	23227.0	25897.3	28567.3	30131.3
55°	23607.3	22488.6	21369.9	20923.6	20477.3	23258.0	26038.5	29221.8	32405.1	34265.2
57.5°	26230.0	25620.9	25011.5	24116.3	23221.4	26029.1	28836.8	32442.4	36047.8	38354.5
60°	27815.2	28761.4	29707.8	28596.2	27484.6	30141.6	32798.7	36659.1	40519.4	43012.5
62.5°	27010.3	29595.7	32181.1	32055.8	31930.3	34364.4	36798.7	40471.5	44144.1	46448.4
65°	25399.3	27825.8	30252.3	30732.5	31212.4	34305.6	37399.1	40960.6	44521.7	46483.7
67.5°	23240.7	25548.5	27856.4	28081.5	28306.4	31529.4	34752.2	38328.9	41905.6	43442.6
70°	20647.3	23157.5	25667.9	25768.5	25869.3	28751.5	31633.5	34711.5	37789.3	38643.5
72.5°	17556.8	20437.4	23318.2	23390.6	23462.7	25717.7	27972.7	30277.9	32583.0	32669.5
75°	13647.3	16628.7	19610.1	19877.8	20145.5	21899.9	23654.3	25277.1	26899.8	26465.1
77.5°	9750.8	12533.8	15317.1	15700.2	16083.3	17417.0	18750.7	19901.6	21052.7	20305.3
80°	6381.8	8723.3	11064.5	11540.7	12016.8	13024.1	14030.9	14635.3	15239.6	14037.5
82.5°	3709.7	5310.4	6911.3	7443.2	7975.2	8668.5	9361.8	9614.0	9865.9	8921.2
85°	1632.2	2481.8	3331.3	3783.7	4236.1	4805.8	5375.3	5518.4	5661.5	4904.8
87.5°	505.3	790.8	1076.4	1328.8	1581.2	1866.0	2150.9	2163.1	2175.1	1826.1
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°
6124.5	0°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
6770.8	2.5°	6760.2	6749.6	6728.5	6707.3	6671.8	6636.4	6611.2	6586.3	6535.8	6485.2
7581.1	5°	7552.4	7524.0	7477.0	7430.0	7343.3	7256.8	7169.4	7082.2	6970.6	6858.9
8356.0	7.5°	8314.6	8273.0	8196.2	8119.3	7991.7	7864.1	7722.4	7580.4	7396.2	7212.1
8858.9	10°	8818.7	8778.3	8688.0	8597.3	8447.6	8297.9	8130.1	7962.3	7729.4	7496.5
9005.8	12.5°	8983.7	8961.6	8895.8	8830.0	8695.1	8559.7	8378.1	8196.2	7940.2	7684.5
8779.7	15°	8803.2	8826.7	8824.4	8822.0	8736.9	8652.1	8495.3	8338.3	8071.6	7804.9
8268.3	17.5°	8355.7	8442.9	8538.1	8633.3	8631.9	8630.2	8524.2	8418.2	8147.7	7877.2
7630.9	20°	7783.9	7936.9	8147.0	8357.1	8468.8	8580.4	8543.3	8506.4	8225.3	7944.0
7048.6	22.5°	7239.9	7431.2	7740.2	8049.3	8280.5	8511.8	8560.2	8608.6	8321.4	8034.0
6580.0	25°	6780.7	6981.8	7357.2	7732.5	8083.6	8434.7	8587.5	8740.2	8458.7	8177.4
6215.0	27.5°	6412.6	6610.5	7026.5	7442.5	7907.3	8372.4	8645.7	8918.8	8650.4	8381.8
5966.6	30°	6150.1	6333.7	6767.0	7200.4	7772.9	8345.4	8752.4	9159.7	8900.3	8641.0
5930.6	32.5°	6074.9	6219.0	6626.3	7033.5	7681.2	8328.9	8886.4	9444.1	9187.2	8930.6
6442.2	35°	6475.8	6509.5	6792.2	7075.1	7749.9	8424.8	9107.1	9789.6	9543.7	9297.7
7809.6	37.5°	7655.9	7502.2	7520.5	7538.8	8152.2	8765.6	9568.4	10371.2	10057.7	9744.2
9983.0	40°	9609.3	9235.6	8913.7	8591.7	9047.9	9504.0	10377.1	11250.2	10793.3	10336.4
12921.6	42.5°	12241.9	11562.3	10860.1	10157.8	10420.6	10683.3	11549.6	12415.9	11756.4	11096.9
16550.9	45°	15433.9	14317.1	13191.9	12066.9	12183.0	12298.8	13077.2	13855.3	12965.8	12076.3
20609.7	47.5°	18974.9	17339.9	15717.3	14094.3	14117.8	14141.3	14898.6	15655.5	14403.6	13151.5
24652.6	50°	22494.5	20336.3	18244.7	16153.1	16149.1	16145.1	17080.0	18015.1	16127.7	14240.0
28567.3	52.5°	25897.3	23227.0	20728.6	18230.1	18344.8	18459.3	19591.3	20723.6	17938.7	15153.8
32405.1	55°	29221.8	26038.5	23258.0	20477.3	20923.6	21369.9	22488.6	23607.3	19544.3	15481.6
36047.8	57.5°	32442.4	28836.8	26029.1	23221.4	24116.3	25011.5	25620.9	26230.0	20682.3	15134.5
40519.4	60°	36659.1	32798.7	30141.6	27484.6	28596.2	29707.8	28761.4	27815.2	20966.6	14117.8
44144.1	62.5°	40471.5	36798.7	34364.4	31930.3	32055.8	32181.1	29595.7	27010.3	19769.2	12528.2
44521.7	65°	40960.6	37399.1	34305.6	31212.4	30732.5	30252.3	27825.8	25399.3	18075.0	10750.8
41905.6	67.5°	38328.9	34752.2	31529.4	28306.4	28081.5	27856.4	25548.5	23240.7	16058.8	8877.0
37789.3	70°	34711.5	31633.5	28751.5	25869.3	25768.5	25667.9	23157.5	20647.3	13858.8	7070.4
32583.0	72.5°	30277.9	27972.7	25717.7	23462.7	23390.6	23318.2	20437.4	17556.8	11473.9	5391.2
26899.8	75°	25277.1	23654.3	21899.9	20145.5	19877.8	19610.1	16628.7	13647.3	8740.0	3832.6
21052.7	77.5°	19901.6	18750.7	17417.0	16083.3	15700.2	15317.1	12533.8	9750.8	6117.2	2483.6
15239.6	80°	14635.3	14030.9	13024.1	12016.8	11540.7	11064.5	8723.3	6381.8	3941.2	1500.6
9865.9	82.5°	9614.0	9361.8	8668.5	7975.2	7443.2	6911.3	5310.4	3709.7	2281.1	852.6
5661.5	85°	5518.4	5375.3	4805.8	4236.1	3783.7	3331.3	2481.8	1632.2	1026.1	420.2
2175.1	87.5°	2163.1	2150.9	1866.0	1581.2	1328.8	1076.4	790.8	505.3	336.1	166.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6124.5	0°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
6431.4	2.5°	6377.8	6323.8	6269.7	6218.0	6166.3	6116.3	6060.6	6015.4	5970.6	5929.9
6747.5	5°	6636.4	6524.3	6412.4	6307.8	6203.2	6104.5	6007.0	5921.9	5836.6	5765.2
7042.0	7.5°	6871.8	6706.2	6540.5	6394.5	6248.6	6113.9	5987.7	5874.4	5761.4	5667.4
7271.6	10°	7046.9	6845.8	6644.3	6471.8	6298.9	6132.7	5997.1	5877.7	5758.3	5664.3
7429.8	12.5°	7175.0	6937.6	6700.3	6505.0	6309.7	6135.1	6008.9	5911.1	5813.8	5751.3
7528.5	15°	7252.1	6978.8	6705.5	6479.4	6253.3	6059.9	5958.8	5912.0	5865.5	5874.0
7575.7	17.5°	7274.2	6956.9	6639.6	6367.7	6095.8	5868.3	5806.1	5823.2	5840.1	5942.6
7612.6	20°	7281.2	6896.8	6512.3	6175.3	5838.2	5573.4	5556.9	5636.8	5716.7	5894.7
7662.4	22.5°	7290.6	6823.0	6355.3	5949.4	5543.5	5242.0	5274.2	5392.4	5510.6	5713.7
7752.7	25°	7327.8	6750.1	6172.7	5697.2	5222.0	4913.0	4999.9	5136.3	5272.6	5455.2
7893.7	27.5°	7405.3	6701.5	5997.6	5466.7	4935.8	4654.5	4760.2	4891.8	5023.4	5173.6
8076.3	30°	7511.6	6678.7	5845.3	5274.0	4702.7	4466.5	4549.4	4653.8	4758.6	4883.1
8266.9	32.5°	7603.2	6650.5	5697.2	5107.8	4518.2	4327.8	4364.7	4426.5	4488.3	4587.7
8484.0	35°	7670.4	6597.3	5524.7	4944.5	4364.2	4205.6	4190.3	4207.2	4224.4	4300.3
8727.3	37.5°	7710.4	6506.4	5302.4	4752.2	4202.1	4063.4	4007.5	3988.7	3969.9	4024.4
9036.1	40°	7735.5	6381.1	5027.0	4522.9	4018.8	3893.0	3807.2	3764.7	3722.2	3761.4
9440.1	42.5°	7783.2	6251.9	4721.0	4269.8	3818.5	3702.7	3594.6	3538.2	3481.8	3513.7
9971.7	45°	7867.1	6131.8	4396.7	4000.9	3605.1	3487.6	3383.0	3328.1	3273.3	3300.1
10538.1	47.5°	7924.7	6032.6	4140.5	3788.2	3435.9	3284.3	3194.3	3148.3	3102.2	3127.6
11063.6	50°	7887.1	5924.5	3961.9	3647.0	3332.0	3132.8	3028.2	2987.3	2946.6	2986.1
11404.8	52.5°	7655.6	5741.9	3828.4	3553.9	3279.6	3050.5	2904.3	2863.9	2823.7	2883.2
11329.6	55°	7177.4	5439.2	3701.0	3486.5	3271.9	3058.7	2838.5	2774.6	2710.9	2795.3
10800.4	57.5°	6466.4	5012.4	3558.1	3406.5	3255.0	3066.9	2799.0	2706.0	2612.9	2703.6
9815.4	60°	5513.0	4458.2	3403.5	3284.3	3165.2	3041.1	2761.9	2641.3	2520.5	2600.2
8483.6	62.5°	4439.0	3795.0	3151.1	3071.9	2992.9	2977.6	2718.7	2567.8	2417.1	2467.7
7124.7	65°	3498.9	3198.3	2897.7	2860.4	2823.0	2824.9	2627.5	2467.2	2306.7	2326.2
5793.6	67.5°	2710.2	2624.9	2539.3	2560.3	2580.9	2575.8	2464.8	2331.4	2197.9	2191.8
4561.6	70°	2052.9	2077.3	2101.5	2198.3	2294.9	2294.9	2258.5	2163.5	2068.6	2047.5
3487.4	72.5°	1583.5	1657.1	1730.9	1868.1	2005.1	2028.2	2028.7	1963.6	1898.5	1867.4
2531.1	75°	1229.6	1296.3	1363.1	1516.8	1670.5	1776.7	1767.8	1717.7	1667.4	1637.8
1715.1	77.5°	946.6	992.0	1037.6	1186.8	1336.1	1511.1	1506.4	1466.3	1426.1	1396.0
1105.0	80°	709.7	728.5	747.3	873.8	1000.0	1209.2	1208.4	1174.8	1141.0	1115.9
679.7	82.5°	507.2	510.5	514.2	607.3	700.3	879.0	888.8	872.4	855.9	838.1
363.3	85°	306.7	305.0	303.2	371.3	439.5	572.3	585.2	567.6	549.9	530.0
150.6	87.5°	134.4	132.8	131.1	158.9	186.8	242.1	258.5	251.5	244.4	240.7
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°
6124.5	0°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
5889.5	2.5°	5854.0	5818.5	5782.8	5747.3	5719.8	5692.1	5669.7	5647.4	5630.0	5612.6
5693.9	5°	5631.0	5568.0	5510.9	5453.5	5409.6	5365.4	5334.6	5303.8	5282.0	5260.1
5573.4	7.5°	5494.2	5414.8	5344.7	5274.9	5222.5	5170.3	5133.7	5097.0	5071.9	5047.0
5570.3	10°	5485.0	5399.5	5320.7	5242.0	5179.5	5116.8	5075.9	5034.5	5010.8	4987.0
5689.2	12.5°	5622.0	5555.3	5473.7	5392.4	5312.5	5232.6	5179.7	5126.9	5100.3	5074.0
5882.4	15°	5865.0	5847.6	5776.9	5706.2	5592.4	5478.7	5398.3	5317.9	5281.0	5244.4
6045.1	17.5°	6099.6	6153.9	6096.8	6039.9	5889.2	5738.6	5620.2	5501.7	5447.2	5392.4
6072.8	20°	6186.8	6300.8	6274.4	6247.9	6075.6	5903.6	5758.3	5613.3	5543.5	5473.5
5917.2	22.5°	6065.5	6213.8	6229.8	6245.5	6081.0	5916.5	5767.0	5617.3	5543.8	5470.0
5638.0	25°	5784.0	5929.9	5984.4	6038.7	5903.8	5769.2	5636.1	5503.6	5439.7	5376.0
5323.6	27.5°	5440.6	5557.6	5618.3	5679.1	5583.0	5487.1	5384.0	5280.8	5238.0	5195.0
5007.7	30°	5104.8	5202.1	5251.4	5300.8	5227.7	5154.4	5080.6	5006.3	4984.4	4962.3
4687.4	32.5°	4780.4	4873.7	4928.5	4983.5	4916.3	4848.8	4789.8	4730.9	4716.5	4702.2
4376.0	35°	4468.1	4560.5	4626.3	4692.1	4644.1	4596.4	4541.9	4487.6	4465.8	4444.1
4078.7	37.5°	4170.6	4262.7	4344.0	4425.3	4403.2	4381.2	4331.1	4280.8	4241.1	4201.6
3800.7	40°	3889.5	3978.3	4071.9	4165.6	4171.0	4176.2	4133.7	4091.1	4033.3	3976.0
3545.9	42.5°	3630.0	3714.4	3815.5	3916.5	3943.6	3970.6	3934.6	3898.9	3827.2	3755.5
3327.3	45°	3407.3	3487.2	3592.0	3696.8	3735.6	3774.3	3741.9	3709.7	3627.7	3545.9
3152.7	47.5°	3231.0	3309.0	3412.4	3515.8	3560.5	3605.1	3582.6	3560.0	3487.2	3414.3
3025.8	50°	3099.6	3173.2	3265.8	3358.4	3415.7	3473.1	3471.6	3470.7	3412.4	3354.1
2942.4	52.5°	3010.1	3077.5	3163.8	3250.3	3318.2	3386.1	3398.3	3410.5	3363.1	3315.6
2879.4	55°	2952.3	3025.1	3100.8	3176.2	3248.1	3320.3	3337.2	3354.1	3312.8	3271.4
2794.3	57.5°	2879.9	2965.4	3040.2	3115.1	3187.7	3260.1	3277.3	3294.4	3252.6	3210.8
2679.6	60°	2777.9	2876.1	2952.0	3028.2	3101.0	3173.9	3192.7	3211.5	3170.6	3129.9
2518.2	62.5°	2632.6	2747.3	2828.4	2909.5	2976.2	3043.0	3061.1	3079.2	3042.3	3005.4
2345.5	65°	2468.1	2591.0	2668.6	2746.2	2804.9	2863.7	2882.2	2900.6	2865.1	2829.6
2185.6	67.5°	2298.9	2412.4	2486.0	2559.3	2610.1	2660.8	2678.9	2696.8	2664.1	2631.7
2026.3	70°	2125.9	2225.6	2289.0	2352.5	2398.3	2444.2	2461.5	2478.9	2452.4	2425.8
1836.6	72.5°	1915.1	1993.4	2050.7	2108.1	2153.0	2197.9	2218.5	2239.2	2217.1	2195.0
1608.0	75°	1666.3	1724.5	1776.5	1828.4	1869.3	1910.2	1931.8	1953.4	1942.6	1931.8
1365.9	77.5°	1413.4	1460.6	1505.3	1549.9	1592.9	1635.7	1655.9	1676.1	1661.1	1645.6
1090.5	80°	1130.0	1169.2	1206.8	1244.4	1277.1	1309.5	1336.3	1363.1	1356.5	1350.2
820.2	82.5°	816.9	813.6	800.5	787.3	856.9	926.4	972.0	1017.6	1014.8	1011.7
510.0	85°	493.1	475.9	439.5	403.1	468.2	533.5	589.9	646.3	641.6	636.9
236.9	87.5°	236.2	235.5	207.8	179.8	207.0	234.5	257.3	280.1	274.5	268.4
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6124.5	0°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
5596.7	2.5°	5580.4	5560.5	5580.4	5596.7	5612.6	5630.0	5647.4	5669.7	5692.1	5719.8
5243.4	5°	5226.7	5210.3	5226.7	5243.4	5260.1	5282.0	5303.8	5334.6	5365.4	5409.6
5031.9	7.5°	5017.1	5005.8	5017.1	5031.9	5047.0	5071.9	5097.0	5133.7	5170.3	5222.5
4974.3	10°	4961.6	4956.5	4961.6	4974.3	4987.0	5010.8	5034.5	5075.9	5116.8	5179.5
5063.2	12.5°	5052.4	5050.5	5052.4	5063.2	5074.0	5100.3	5126.9	5179.7	5232.6	5312.5
5230.3	15°	5216.2	5215.0	5216.2	5230.3	5244.4	5281.0	5317.9	5398.3	5478.7	5592.4
5374.6	17.5°	5356.5	5353.6	5356.5	5374.6	5392.4	5447.2	5501.7	5620.2	5738.6	5889.2
5451.2	20°	5428.9	5421.8	5428.9	5451.2	5473.5	5543.5	5613.3	5758.3	5903.6	6075.6
5445.3	22.5°	5420.6	5410.0	5420.6	5445.3	5470.0	5543.8	5617.3	5767.0	5916.5	6081.0
5352.7	25°	5329.7	5316.0	5329.7	5352.7	5376.0	5439.7	5503.6	5636.1	5769.2	5903.8
5184.4	27.5°	5173.9	5170.3	5173.9	5184.4	5195.0	5238.0	5280.8	5384.0	5487.1	5583.0
4962.3	30°	4962.3	4965.9	4962.3	4962.3	4962.3	4984.4	5006.3	5080.6	5154.4	5227.7
4704.1	32.5°	4706.2	4709.7	4706.2	4704.1	4702.2	4716.5	4730.9	4789.8	4848.8	4916.3
4439.4	35°	4434.7	4432.4	4434.7	4439.4	4444.1	4465.8	4487.6	4541.9	4596.4	4644.1
4180.7	37.5°	4159.8	4148.0	4159.8	4180.7	4201.6	4241.1	4280.8	4331.1	4381.2	4403.2
3937.0	40°	3898.4	3875.4	3898.4	3937.0	3976.0	4033.3	4091.1	4133.7	4176.2	4171.0
3698.9	42.5°	3642.3	3605.1	3642.3	3698.9	3755.5	3827.2	3898.9	3934.6	3970.6	3943.6
3479.4	45°	3412.9	3370.1	3412.9	3479.4	3545.9	3627.7	3709.7	3741.9	3774.3	3735.6
3352.7	47.5°	3291.4	3250.3	3291.4	3352.7	3414.3	3487.2	3560.0	3582.6	3605.1	3560.5
3297.3	50°	3240.4	3200.9	3240.4	3297.3	3354.1	3412.4	3470.7	3471.6	3473.1	3415.7
3264.6	52.5°	3213.8	3177.4	3213.8	3264.6	3315.6	3363.1	3410.5	3398.3	3386.1	3318.2
3226.8	55°	3182.1	3149.2	3182.1	3226.8	3271.4	3312.8	3354.1	3337.2	3320.3	3248.1
3166.6	57.5°	3122.2	3088.1	3122.2	3166.6	3210.8	3252.6	3294.4	3277.3	3260.1	3187.7
3084.3	60°	3038.7	3003.5	3038.7	3084.3	3129.9	3170.6	3211.5	3192.7	3173.9	3101.0
2957.4	62.5°	2909.5	2867.2	2909.5	2957.4	3005.4	3042.3	3079.2	3061.1	3043.0	2976.2
2783.0	65°	2736.8	2700.3	2736.8	2783.0	2829.6	2865.1	2900.6	2882.2	2863.7	2804.9
2588.5	67.5°	2545.2	2512.3	2545.2	2588.5	2631.7	2664.1	2696.8	2678.9	2660.8	2610.1
2384.5	70°	2343.1	2305.5	2343.1	2384.5	2425.8	2452.4	2478.9	2461.5	2444.2	2398.3
2155.6	72.5°	2116.3	2079.9	2116.3	2155.6	2195.0	2217.1	2239.2	2218.5	2197.9	2153.0
1898.7	75°	1865.6	1830.8	1865.6	1898.7	1931.8	1942.6	1953.4	1931.8	1910.2	1869.3
1612.2	77.5°	1578.8	1551.1	1578.8	1612.2	1645.6	1661.1	1676.1	1655.9	1635.7	1592.9
1305.3	80°	1260.2	1208.0	1260.2	1305.3	1350.2	1356.5	1363.1	1336.3	1309.5	1277.1
973.9	82.5°	935.8	902.5	935.8	973.9	1011.7	1014.8	1017.6	972.0	926.4	856.9
607.3	85°	577.7	547.6	577.7	607.3	636.9	641.6	646.3	589.9	533.5	468.2
253.3	87.5°	237.8	223.3	237.8	253.3	268.4	274.5	280.1	257.3	234.5	207.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6124.5	0°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
5747.3	2.5°	5782.8	5818.5	5854.0	5889.5	5929.9	5970.6	6015.4	6060.6	6116.3	6166.3
5453.5	5°	5510.9	5568.0	5631.0	5693.9	5765.2	5836.6	5921.9	6007.0	6104.5	6203.2
5274.9	7.5°	5344.7	5414.8	5494.2	5573.4	5667.4	5761.4	5874.4	5987.7	6113.9	6248.6
5242.0	10°	5320.7	5399.5	5485.0	5570.3	5664.3	5758.3	5877.7	5997.1	6132.7	6298.9
5392.4	12.5°	5473.7	5555.3	5622.0	5689.2	5751.3	5813.8	5911.1	6008.9	6135.1	6309.7
5706.2	15°	5776.9	5847.6	5865.0	5882.4	5874.0	5865.5	5912.0	5958.8	6059.9	6253.3
6039.9	17.5°	6096.8	6153.9	6099.6	6045.1	5942.6	5840.1	5823.2	5806.1	5868.3	6095.8
6247.9	20°	6274.4	6300.8	6186.8	6072.8	5894.7	5716.7	5636.8	5556.9	5573.4	5838.2
6245.5	22.5°	6229.8	6213.8	6065.5	5917.2	5713.7	5510.6	5392.4	5274.2	5242.0	5543.5
6038.7	25°	5984.4	5929.9	5784.0	5638.0	5455.2	5272.6	5136.3	4999.9	4913.0	5222.0
5679.1	27.5°	5618.3	5557.6	5440.6	5323.6	5173.6	5023.4	4891.8	4760.2	4654.5	4935.8
5300.8	30°	5251.4	5202.1	5104.8	5007.7	4883.1	4758.6	4653.8	4549.4	4466.5	4702.7
4983.5	32.5°	4928.5	4873.7	4780.4	4687.4	4587.7	4488.3	4426.5	4364.7	4327.8	4518.2
4692.1	35°	4626.3	4560.5	4468.1	4376.0	4300.3	4224.4	4207.2	4190.3	4205.6	4364.2
4425.3	37.5°	4344.0	4262.7	4170.6	4078.7	4024.4	3969.9	3988.7	4007.5	4063.4	4202.1
4165.6	40°	4071.9	3978.3	3889.5	3800.7	3761.4	3722.2	3764.7	3807.2	3893.0	4018.8
3916.5	42.5°	3815.5	3714.4	3630.0	3545.9	3513.7	3481.8	3538.2	3594.6	3702.7	3818.5
3696.8	45°	3592.0	3487.2	3407.3	3327.3	3300.1	3273.3	3328.1	3383.0	3487.6	3605.1
3515.8	47.5°	3412.4	3309.0	3231.0	3152.7	3127.6	3102.2	3148.3	3194.3	3284.3	3435.9
3358.4	50°	3265.8	3173.2	3099.6	3025.8	2986.1	2946.6	2987.3	3028.2	3132.8	3332.0
3250.3	52.5°	3163.8	3077.5	3010.1	2942.4	2883.2	2823.7	2863.9	2904.3	3050.5	3279.6
3176.2	55°	3100.8	3025.1	2952.3	2879.4	2795.3	2710.9	2774.6	2838.5	3058.7	3271.9
3115.1	57.5°	3040.2	2965.4	2879.9	2794.3	2703.6	2612.9	2706.0	2799.0	3066.9	3255.0
3028.2	60°	2952.0	2876.1	2777.9	2679.6	2600.2	2520.5	2641.3	2761.9	3041.1	3165.2
2909.5	62.5°	2828.4	2747.3	2632.6	2518.2	2467.7	2417.1	2567.8	2718.7	2977.6	2992.9
2746.2	65°	2668.6	2591.0	2468.1	2345.5	2326.2	2306.7	2467.2	2627.5	2824.9	2823.0
2559.3	67.5°	2486.0	2412.4	2298.9	2185.6	2191.8	2197.9	2331.4	2464.8	2575.8	2580.9
2352.5	70°	2289.0	2225.6	2125.9	2026.3	2047.5	2068.6	2163.5	2258.5	2294.9	2294.9
2108.1	72.5°	2050.7	1993.4	1915.1	1836.6	1867.4	1898.5	1963.6	2028.7	2028.2	2005.1
1828.4	75°	1776.5	1724.5	1666.3	1608.0	1637.8	1667.4	1717.7	1767.8	1776.7	1670.5
1549.9	77.5°	1505.3	1460.6	1413.4	1365.9	1396.0	1426.1	1466.3	1506.4	1511.1	1336.1
1244.4	80°	1206.8	1169.2	1130.0	1090.5	1115.9	1141.0	1174.8	1208.4	1209.2	1000.0
787.3	82.5°	800.5	813.6	816.9	820.2	838.1	855.9	872.4	888.8	879.0	700.3
403.1	85°	439.5	475.9	493.1	510.0	530.0	549.9	567.6	585.2	572.3	439.5
179.8	87.5°	207.8	235.5	236.2	236.9	240.7	244.4	251.5	258.5	242.1	186.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
6124.5	0°	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5	6124.5
6218.0	2.5°	6269.7	6323.8	6377.8	6431.4	6485.2	6535.8	6586.3
6307.8	5°	6412.4	6524.3	6636.4	6747.5	6858.9	6970.6	7082.2
6394.5	7.5°	6540.5	6706.2	6871.8	7042.0	7212.1	7396.2	7580.4
6471.8	10°	6644.3	6845.8	7046.9	7271.6	7496.5	7729.4	7962.3
6505.0	12.5°	6700.3	6937.6	7175.0	7429.8	7684.5	7940.2	8196.2
6479.4	15°	6705.5	6978.8	7252.1	7528.5	7804.9	8071.6	8338.3
6367.7	17.5°	6639.6	6956.9	7274.2	7575.7	7877.2	8147.7	8418.2
6175.3	20°	6512.3	6896.8	7281.2	7612.6	7944.0	8225.3	8506.4
5949.4	22.5°	6355.3	6823.0	7290.6	7662.4	8034.0	8321.4	8608.6
5697.2	25°	6172.7	6750.1	7327.8	7752.7	8177.4	8458.7	8740.2
5466.7	27.5°	5997.6	6701.5	7405.3	7893.7	8381.8	8650.4	8918.8
5274.0	30°	5845.3	6678.7	7511.6	8076.3	8641.0	8900.3	9159.7
5107.8	32.5°	5697.2	6650.5	7603.2	8266.9	8930.6	9187.2	9444.1
4944.5	35°	5524.7	6597.3	7670.4	8484.0	9297.7	9543.7	9789.6
4752.2	37.5°	5302.4	6506.4	7710.4	8727.3	9744.2	10057.7	10371.2
4522.9	40°	5027.0	6381.1	7735.5	9036.1	10336.4	10793.3	11250.2
4269.8	42.5°	4721.0	6251.9	7783.2	9440.1	11096.9	11756.4	12415.9
4000.9	45°	4396.7	6131.8	7867.1	9971.7	12076.3	12965.8	13855.3
3788.2	47.5°	4140.5	6032.6	7924.7	10538.1	13151.5	14403.6	15655.5
3647.0	50°	3961.9	5924.5	7887.1	11063.6	14240.0	16127.7	18015.1
3553.9	52.5°	3828.4	5741.9	7655.6	11404.8	15153.8	17938.7	20723.6
3486.5	55°	3701.0	5439.2	7177.4	11329.6	15481.6	19544.3	23607.3
3406.5	57.5°	3558.1	5012.4	6466.4	10800.4	15134.5	20682.3	26230.0
3284.3	60°	3403.5	4458.2	5513.0	9815.4	14117.8	20966.6	27815.2
3071.9	62.5°	3151.1	3795.0	4439.0	8483.6	12528.2	19769.2	27010.3
2860.4	65°	2897.7	3198.3	3498.9	7124.7	10750.8	18075.0	25399.3
2560.3	67.5°	2539.3	2624.9	2710.2	5793.6	8877.0	16058.8	23240.7
2198.3	70°	2101.5	2077.3	2052.9	4561.6	7070.4	13858.8	20647.3
1868.1	72.5°	1730.9	1657.1	1583.5	3487.4	5391.2	11473.9	17556.8
1516.8	75°	1363.1	1296.3	1229.6	2531.1	3832.6	8740.0	13647.3
1186.8	77.5°	1037.6	992.0	946.6	1715.1	2483.6	6117.2	9750.8
873.8	80°	747.3	728.5	709.7	1105.0	1500.6	3941.2	6381.8
607.3	82.5°	514.2	510.5	507.2	679.7	852.6	2281.1	3709.7
371.3	85°	303.2	305.0	306.7	363.3	420.2	1026.1	1632.2
158.9	87.5°	131.1	132.8	134.4	150.6	166.9	336.1	505.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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