

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: P954353

Luminaire Tested: **GALN-SB7C-850-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954353
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-SB7C-850-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50762 lumens
Efficiency: N/A
Efficacy: 144.8 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

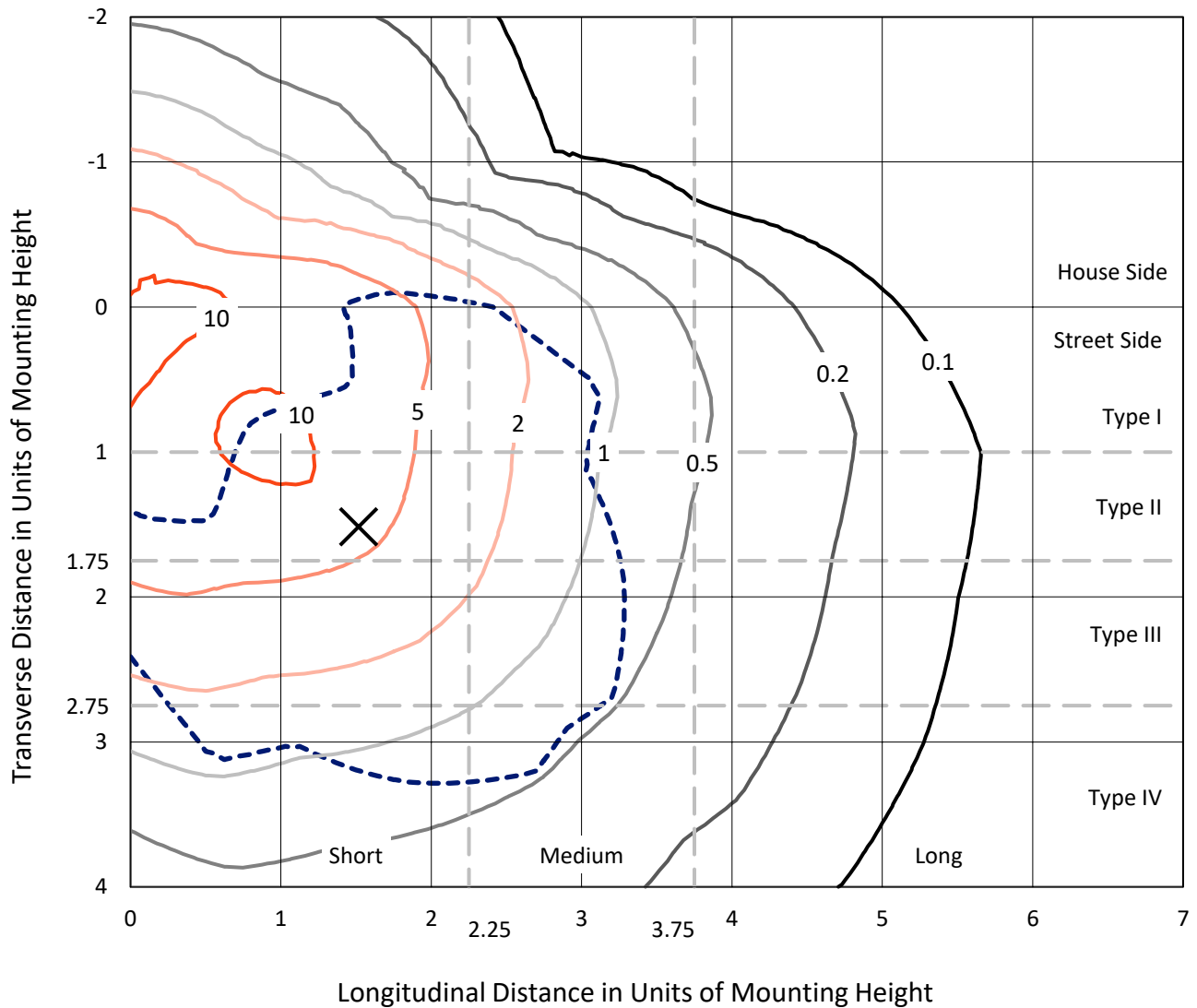
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

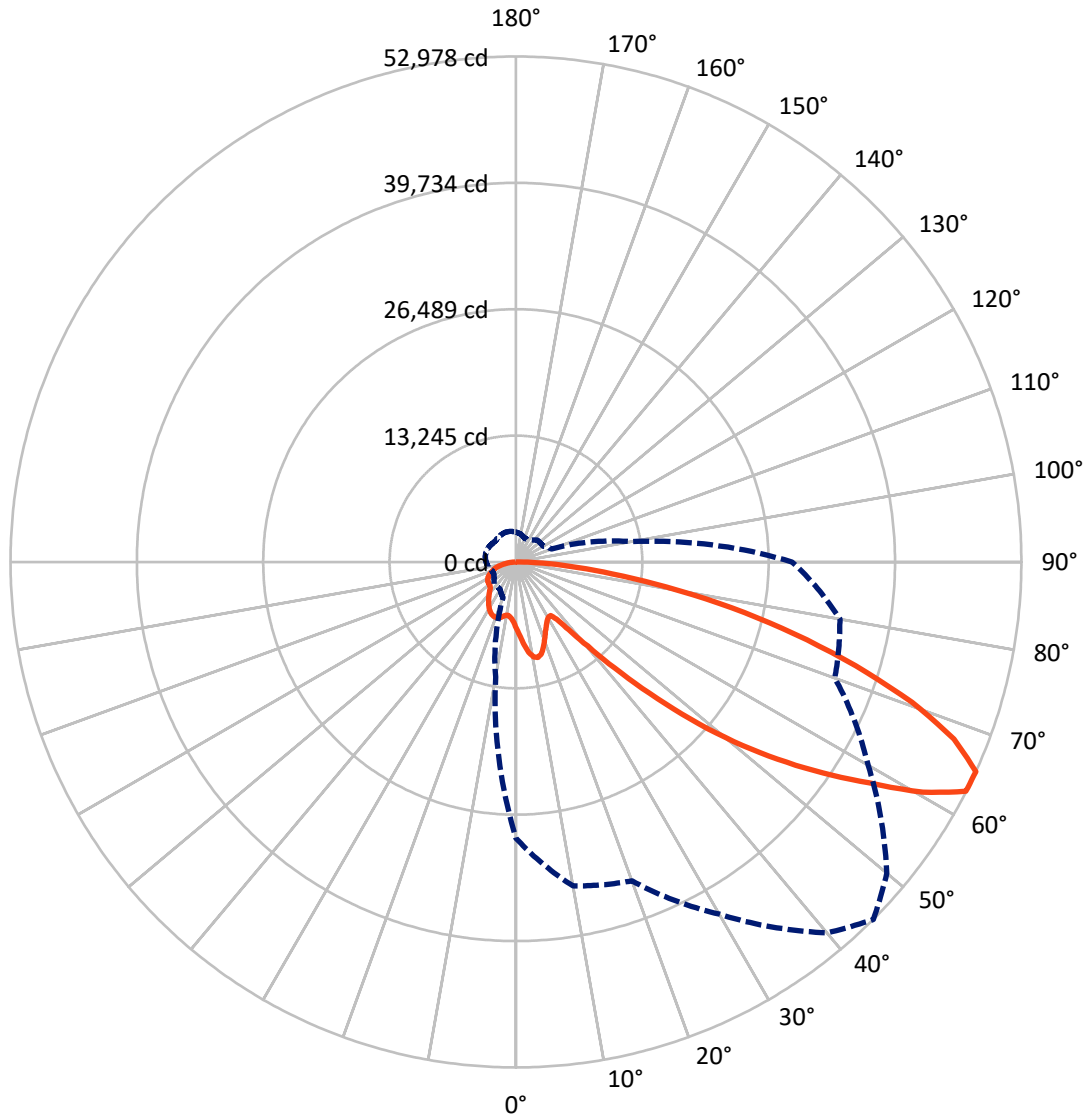
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	12901.1	0.0	12901.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	37860.9	0.0	37860.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	50762.0	0.0	50762.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	692.4	1.4
10°-20°	2173.7	4.3
20°-30°	3357.6	6.6
30°-40°	4254.9	8.4
40°-50°	6417.5	12.6
50°-60°	10368.4	20.4
60°-70°	12925.9	25.5
70°-80°	8476.1	16.7
80°-90°	2095.5	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	50762.0	100.0
0°-180°	50762.0	100.0



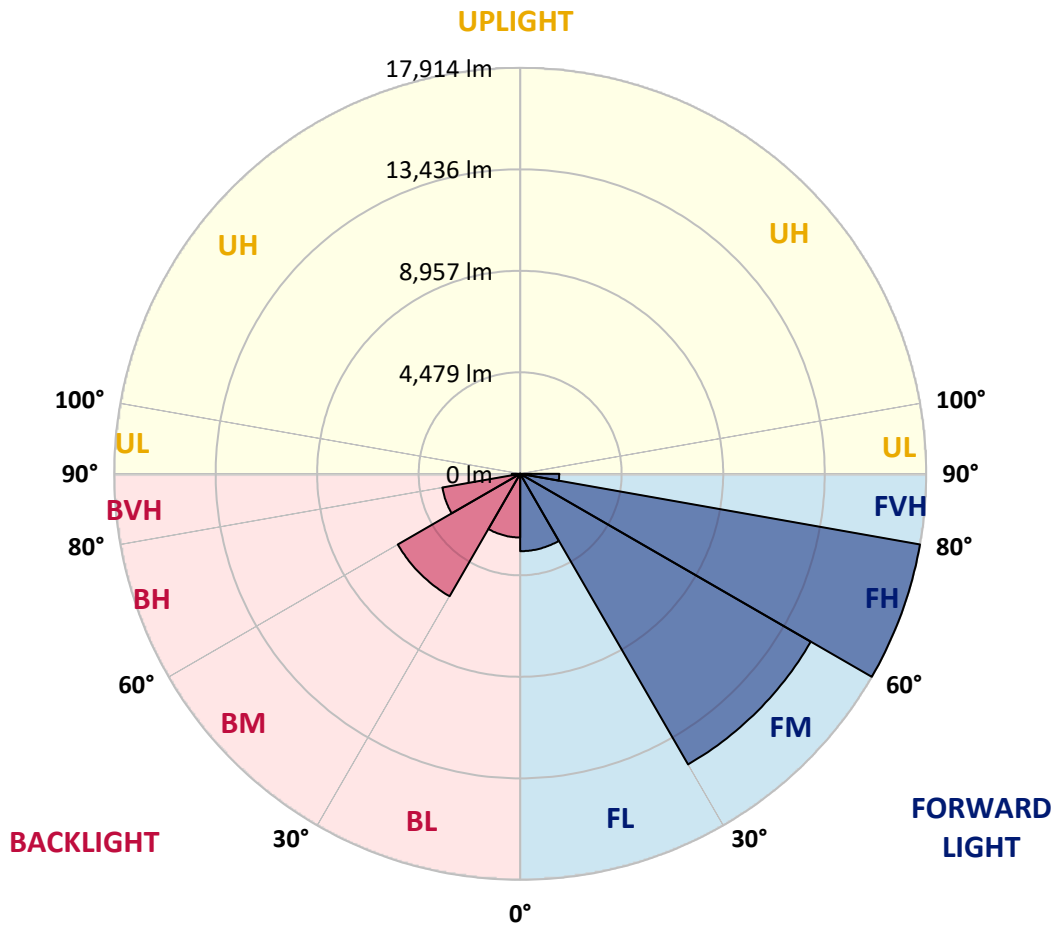
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3414.3	6.7			
FM (30°-60°)	14806.2	29.2			
FH (60°-80°)	17914.1	35.3			G5
FVH (80°-90°)	1726.2	3.4			G5
BL (0°-30°)	2809.4	5.5	B4/5000		
BM (30°-60°)	6234.6	12.3	B4/8500		
BH (60°-80°)	3487.9	6.9	B4/5000		G4/5000
BVH (80°-90°)	369.3	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°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
2.5°	7506.5	7534.9	7563.6	7604.0	7644.5	7668.6	7692.7	7704.8	7716.8	7711.4
5°	8071.7	8171.1	8270.7	8369.3	8468.1	8521.7	8575.3	8607.7	8640.4	8665.0
7.5°	8639.6	8801.3	8962.8	9108.3	9253.7	9341.3	9428.9	9476.3	9523.5	9546.2
10°	9074.8	9266.1	9457.3	9627.9	9798.5	9901.9	10004.8	10050.9	10096.7	10114.1
12.5°	9341.3	9548.6	9755.7	9910.0	10063.7	10138.7	10213.7	10238.9	10264.1	10266.8
15°	9503.4	9682.3	9861.0	9957.7	10054.6	10057.3	10060.0	10033.2	10006.4	9974.8
17.5°	9594.4	9715.2	9836.0	9837.9	9839.5	9731.0	9622.6	9523.2	9423.6	9353.4
20°	9694.9	9736.9	9779.3	9652.0	9524.8	9285.3	9045.9	8871.5	8697.1	8590.0
22.5°	9811.4	9756.2	9701.0	9437.5	9173.9	8821.7	8469.5	8251.4	8033.4	7915.0
25°	9961.4	9787.3	9613.2	9213.0	8812.9	8385.1	7957.3	7728.1	7499.3	7387.3
27.5°	10165.0	9853.7	9542.2	9012.1	8482.3	8008.2	7534.1	7308.6	7083.3	6977.5
30°	10439.5	9975.3	9511.4	8858.9	8206.4	7712.5	7218.6	7009.4	6800.2	6701.6
32.5°	10763.6	10128.0	9492.7	8754.5	8016.3	7552.1	7087.9	6923.7	6759.2	6688.3
35°	11157.4	10379.5	9601.9	8832.7	8063.7	7741.2	7419.0	7380.7	7342.3	7336.5
37.5°	11820.3	10905.3	9990.3	9291.2	8592.1	8571.3	8550.4	8725.5	8900.7	8991.8
40°	12822.1	11827.0	10831.9	10312.0	9792.1	10159.1	10526.0	10951.9	11377.8	11589.9
42.5°	14150.6	13163.3	12176.0	11876.5	11577.1	12377.4	13177.8	13952.4	14727.0	15181.8
45°	15791.2	14904.3	14017.2	13885.2	13752.8	15035.0	16317.5	17590.3	18863.4	19636.2
47.5°	17842.9	16980.2	16117.2	16090.4	16063.6	17913.4	19762.6	21626.1	23489.2	24583.4
50°	20532.2	19466.4	18400.9	18405.4	18410.0	20793.9	23177.7	25637.4	28097.1	29584.2
52.5°	23619.2	22328.6	21038.4	20908.0	20777.2	23624.8	26472.3	29515.6	32558.7	34341.3
55°	26905.7	25630.7	24355.7	23847.1	23338.4	26507.7	29676.6	33304.7	36932.7	39052.8
57.5°	29894.9	29200.6	28506.1	27485.9	26465.9	29665.9	32865.9	36975.3	41084.4	43713.4
60°	31701.6	32779.9	33858.6	32591.6	31324.7	34353.0	37381.4	41781.1	46180.8	49022.2
62.5°	30784.2	33730.8	36677.5	36534.7	36391.7	39165.8	41940.2	46126.2	50311.9	52938.2
65°	28948.1	31713.6	34479.2	35026.4	35573.4	39098.8	42624.6	46683.6	50742.3	52978.4
67.5°	26487.8	29118.1	31748.4	32005.0	32261.4	35934.7	39607.7	43684.2	47760.6	49512.4
70°	23532.1	26393.0	29254.2	29368.9	29483.8	32768.7	36053.4	39561.4	43069.2	44042.8
72.5°	20009.9	23292.9	26576.2	26658.7	26741.0	29311.0	31881.0	34508.4	37135.5	37234.0
75°	15554.1	18952.1	22350.1	22655.2	22960.2	24959.7	26959.3	28808.8	30658.3	30162.8
77.5°	11113.2	14285.1	17457.2	17893.8	18330.4	19850.5	21370.5	22682.2	23994.1	23142.4
80°	7273.5	9942.1	12610.5	13153.1	13695.8	14843.8	15991.3	16680.2	17368.8	15998.8
82.5°	4228.0	6052.4	7877.0	8483.1	9089.5	9879.7	10669.9	10957.3	11244.4	10167.6
85°	1860.2	2828.5	3796.8	4312.4	4828.0	5477.3	6126.3	6289.4	6452.5	5590.1
87.5°	575.9	901.3	1226.8	1514.4	1802.1	2126.7	2451.4	2465.3	2479.0	2081.2
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°
6980.2	0°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
7716.8	2.5°	7704.8	7692.7	7668.6	7644.5	7604.0	7563.6	7534.9	7506.5	7449.0	7391.4
8640.4	5°	8607.7	8575.3	8521.7	8468.1	8369.3	8270.7	8171.1	8071.7	7944.5	7817.2
9523.5	7.5°	9476.3	9428.9	9341.3	9253.7	9108.3	8962.8	8801.3	8639.6	8429.6	8219.8
10096.7	10°	10050.9	10004.8	9901.9	9798.5	9627.9	9457.3	9266.1	9074.8	8809.4	8543.9
10264.1	12.5°	10238.9	10213.7	10138.7	10063.7	9910.0	9755.7	9548.6	9341.3	9049.6	8758.2
10006.4	15°	10033.2	10060.0	10057.3	10054.6	9957.7	9861.0	9682.3	9503.4	9199.4	8895.4
9423.6	17.5°	9523.2	9622.6	9731.0	9839.5	9837.9	9836.0	9715.2	9594.4	9286.1	8977.8
8697.1	20°	8871.5	9045.9	9285.3	9524.8	9652.0	9779.3	9736.9	9694.9	9374.5	9053.9
8033.4	22.5°	8251.4	8469.5	8821.7	9173.9	9437.5	9701.0	9756.2	9811.4	9484.1	9156.5
7499.3	25°	7728.1	7957.3	8385.1	8812.9	9213.0	9613.2	9787.3	9961.4	9640.5	9319.9
7083.3	27.5°	7308.6	7534.1	8008.2	8482.3	9012.1	9542.2	9853.7	10165.0	9859.1	9552.9
6800.2	30°	7009.4	7218.6	7712.5	8206.4	8858.9	9511.4	9975.3	10439.5	10143.8	9848.4
6759.2	32.5°	6923.7	7087.9	7552.1	8016.3	8754.5	9492.7	10128.0	10763.6	10470.9	10178.4
7342.3	35°	7380.7	7419.0	7741.2	8063.7	8832.7	9601.9	10379.5	11157.4	10877.2	10596.7
8900.7	37.5°	8725.5	8550.4	8571.3	8592.1	9291.2	9990.3	10905.3	11820.3	11463.0	11105.7
11377.8	40°	10951.9	10526.0	10159.1	9792.1	10312.0	10831.9	11827.0	12822.1	12301.4	11780.6
14727.0	42.5°	13952.4	13177.8	12377.4	11577.1	11876.5	12176.0	13163.3	14150.6	13399.0	12647.4
18863.4	45°	17590.3	16317.5	15035.0	13752.8	13885.2	14017.2	14904.3	15791.2	14777.4	13763.6
23489.2	47.5°	21626.1	19762.6	17913.4	16063.6	16090.4	16117.2	16980.2	17842.9	16416.1	14989.0
28097.1	50°	25637.4	23177.7	20793.9	18410.0	18405.4	18400.9	19466.4	20532.2	18381.0	16229.7
32558.7	52.5°	29515.6	26472.3	23624.8	20777.2	20908.0	21038.4	22328.6	23619.2	20445.1	17271.1
36932.7	55°	33304.7	29676.6	26507.7	23338.4	23847.1	24355.7	25630.7	26905.7	22275.1	17644.7
41084.4	57.5°	36975.3	32865.9	29665.9	26465.9	27485.9	28506.1	29200.6	29894.9	23572.0	17249.1
46180.8	60°	41781.1	37381.4	34353.0	31324.7	32591.6	33858.6	32779.9	31701.6	23896.1	16090.4
50311.9	62.5°	46126.2	41940.2	39165.8	36391.7	36534.7	36677.5	33730.8	30784.2	22531.4	14278.6
50742.3	65°	46683.6	42624.6	39098.8	35573.4	35026.4	34479.2	31713.6	28948.1	20600.5	12252.9
47760.6	67.5°	43684.2	39607.7	35934.7	32261.4	32005.0	31748.4	29118.1	26487.8	18302.6	10117.3
43069.2	70°	39561.4	36053.4	32768.7	29483.8	29368.9	29254.2	26393.0	23532.1	15795.2	8058.3
37135.5	72.5°	34508.4	31881.0	29311.0	26741.0	26658.7	26576.2	23292.9	20009.9	13077.0	6144.5
30658.3	75°	28808.8	26959.3	24959.7	22960.2	22655.2	22350.1	18952.1	15554.1	9961.1	4368.1
23994.1	77.5°	22682.2	21370.5	19850.5	18330.4	17893.8	17457.2	14285.1	11113.2	6971.9	2830.7
17368.8	80°	16680.2	15991.3	14843.8	13695.8	13153.1	12610.5	9942.1	7273.5	4491.9	1710.2
11244.4	82.5°	10957.3	10669.9	9879.7	9089.5	8483.1	7877.0	6052.4	4228.0	2599.8	971.8
6452.5	85°	6289.4	6126.3	5477.3	4828.0	4312.4	3796.8	2828.5	1860.2	1169.4	478.9
2479.0	87.5°	2465.3	2451.4	2126.7	1802.1	1514.4	1226.8	901.3	575.9	383.0	190.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6980.2	0°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
7330.0	2.5°	7269.0	7207.4	7145.7	7086.8	7027.9	6970.8	6907.4	6855.9	6804.8	6758.4
7690.3	5°	7563.6	7435.8	7308.3	7189.1	7069.9	6957.4	6846.3	6749.3	6652.1	6570.7
8025.9	7.5°	7832.0	7643.1	7454.3	7288.0	7121.6	6968.2	6824.3	6695.2	6566.4	6459.2
8287.6	10°	8031.5	7802.2	7572.7	7376.1	7179.0	6989.6	6835.0	6699.0	6562.9	6455.8
8467.9	12.5°	8177.5	7907.0	7636.4	7413.9	7191.3	6992.3	6848.4	6737.0	6626.1	6554.9
8580.4	15°	8265.4	7953.9	7642.3	7384.7	7127.0	6906.6	6791.4	6738.1	6685.0	6694.7
8634.2	17.5°	8290.5	7928.9	7567.3	7257.4	6947.5	6688.3	6617.3	6636.8	6656.1	6772.9
8676.2	20°	8298.6	7860.4	7422.2	7038.1	6654.0	6352.1	6333.4	6424.4	6515.5	6718.3
8733.0	22.5°	8309.3	7776.3	7243.2	6780.7	6318.1	5974.4	6011.1	6145.9	6280.6	6512.0
8835.9	25°	8351.6	7693.2	7035.1	6493.3	5951.7	5599.4	5698.5	5853.9	6009.3	6217.4
8996.6	27.5°	8440.0	7637.8	6835.6	6230.5	5625.4	5304.8	5425.3	5575.3	5725.3	5896.5
9204.7	30°	8561.1	7611.8	6662.0	6010.9	5359.7	5090.5	5185.1	5304.0	5423.5	5565.4
9421.9	32.5°	8665.5	7579.7	6493.3	5821.5	5149.4	4932.5	4974.5	5045.0	5115.4	5228.7
9669.4	35°	8742.1	7519.1	6296.7	5635.3	4974.0	4793.2	4775.8	4795.1	4814.6	4901.1
9946.7	37.5°	8787.7	7415.5	6043.3	5416.2	4789.2	4631.2	4567.4	4546.0	4524.5	4586.7
10298.6	40°	8816.3	7272.7	5729.3	5154.8	4580.3	4437.0	4339.2	4290.7	4242.2	4287.0
10759.1	42.5°	8870.7	7125.4	5380.6	4866.3	4352.1	4220.0	4096.8	4032.5	3968.2	4004.6
11364.9	45°	8966.3	6988.5	5011.0	4559.9	4108.8	3974.9	3855.7	3793.0	3730.6	3761.2
12010.5	47.5°	9032.0	6875.5	4719.0	4317.5	3916.0	3743.2	3640.6	3588.1	3535.6	3564.6
12609.4	50°	8989.1	6752.3	4515.4	4156.5	3797.6	3570.5	3451.3	3404.7	3358.3	3403.3
12998.3	52.5°	8725.3	6544.1	4363.3	4050.5	3737.9	3476.7	3310.1	3264.0	3218.2	3286.0
12912.6	55°	8180.2	6199.2	4218.1	3973.6	3729.0	3486.1	3235.1	3162.3	3089.7	3185.8
12309.4	57.5°	7369.9	5712.7	4055.3	3882.5	3709.7	3495.5	3190.1	3084.0	2978.0	3081.4
11186.8	60°	6283.3	5081.1	3879.0	3743.2	3607.4	3466.0	3147.8	3010.4	2872.7	2963.5
9668.9	62.5°	5059.2	4325.3	3591.4	3501.1	3411.1	3393.7	3098.5	2926.5	2754.9	2812.4
8120.2	65°	3987.8	3645.2	3302.6	3260.0	3217.4	3219.6	2994.6	2811.9	2629.0	2651.2
6603.1	67.5°	3088.9	2991.6	2894.1	2918.0	2941.5	2935.7	2809.2	2657.1	2504.9	2498.0
5199.0	70°	2339.7	2367.5	2395.1	2505.5	2615.6	2615.6	2574.1	2465.8	2357.6	2333.5
3974.6	72.5°	1804.8	1888.6	1972.7	2129.2	2285.3	2311.6	2312.1	2237.9	2163.7	2128.3
2884.8	75°	1401.4	1477.5	1553.5	1728.7	1903.9	2025.0	2014.8	1957.7	1900.4	1866.7
1954.8	77.5°	1078.9	1130.6	1182.6	1352.7	1522.7	1722.3	1716.9	1671.1	1625.3	1591.0
1259.4	80°	808.9	830.3	851.8	995.9	1139.7	1378.1	1377.3	1339.0	1300.4	1271.8
774.6	82.5°	578.0	581.8	586.1	692.1	798.2	1001.8	1013.0	994.3	975.5	955.2
414.1	85°	349.5	347.7	345.5	423.2	500.9	652.2	667.0	646.9	626.8	604.0
171.7	87.5°	153.2	151.3	149.5	181.1	212.9	275.9	294.6	286.6	278.6	274.3
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6980.2	0°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
6712.4	2.5°	6671.9	6631.5	6590.8	6550.3	6519.0	6487.4	6461.9	6436.5	6416.7	6396.8
6489.5	5°	6417.7	6345.9	6280.9	6215.5	6165.4	6115.1	6080.0	6044.9	6020.0	5995.1
6352.1	7.5°	6261.8	6171.3	6091.5	6011.9	5952.2	5892.7	5850.9	5809.2	5780.5	5752.1
6348.6	10°	6251.4	6153.9	6064.2	5974.4	5903.2	5831.7	5785.1	5737.9	5710.9	5683.8
6484.2	12.5°	6407.5	6331.5	6238.5	6145.9	6054.8	5963.7	5903.4	5843.2	5812.9	5782.9
6704.3	15°	6684.5	6664.7	6584.1	6503.4	6373.8	6244.2	6152.6	6060.9	6018.9	5977.1
6889.7	17.5°	6951.8	7013.7	6948.6	6883.8	6712.1	6540.4	6405.4	6270.4	6208.3	6145.9
6921.3	20°	7051.2	7181.1	7151.1	7120.8	6924.5	6728.4	6562.9	6397.6	6318.1	6238.3
6744.0	22.5°	6913.0	7082.0	7100.2	7118.2	6930.7	6743.2	6572.8	6402.2	6318.4	6234.2
6425.8	25°	6592.1	6758.4	6820.6	6882.4	6728.7	6575.2	6423.6	6272.5	6199.7	6127.1
6067.4	27.5°	6200.8	6334.2	6403.3	6472.6	6363.1	6253.8	6136.2	6018.6	5969.9	5920.9
5707.4	30°	5818.0	5928.9	5985.1	6041.4	5958.1	5874.5	5790.4	5705.8	5680.9	5655.7
5342.3	32.5°	5448.4	5554.7	5617.1	5679.8	5603.2	5526.3	5459.1	5391.9	5375.5	5359.2
4987.4	35°	5092.4	5197.7	5272.7	5347.7	5293.0	5238.6	5176.5	5114.6	5089.7	5065.1
4648.6	37.5°	4753.3	4858.3	4951.0	5043.6	5018.5	4993.3	4936.2	4878.9	4833.6	4788.7
4331.7	40°	4432.9	4534.2	4640.8	4747.7	4753.8	4759.7	4711.2	4662.8	4596.9	4531.5
4041.3	42.5°	4137.2	4233.4	4348.6	4463.7	4494.5	4525.4	4484.4	4443.7	4362.0	4280.3
3792.2	45°	3883.3	3974.4	4093.8	4213.3	4257.5	4301.7	4264.7	4228.0	4134.6	4041.3
3593.2	47.5°	3682.4	3771.4	3889.2	4007.1	4058.0	4108.8	4083.1	4057.4	3974.4	3891.3
3448.6	50°	3532.7	3616.5	3722.1	3827.6	3893.0	3958.3	3956.7	3955.6	3889.2	3822.8
3353.5	52.5°	3430.6	3507.5	3605.8	3704.4	3781.8	3859.2	3873.1	3887.1	3833.0	3778.9
3281.7	55°	3364.8	3447.8	3534.0	3620.0	3702.0	3784.2	3803.5	3822.8	3775.6	3728.5
3184.8	57.5°	3282.3	3379.8	3464.9	3550.4	3633.1	3715.6	3735.2	3754.7	3707.1	3659.4
3054.0	60°	3166.0	3278.0	3364.5	3451.3	3534.3	3617.3	3638.8	3660.2	3613.6	3567.2
2870.0	62.5°	3000.5	3131.2	3223.6	3316.0	3392.1	3468.1	3488.8	3509.4	3467.3	3425.3
2673.2	65°	2813.0	2953.1	3041.5	3129.8	3196.8	3263.8	3284.9	3305.8	3265.4	3224.9
2491.0	67.5°	2620.1	2749.5	2833.3	2916.9	2974.8	3032.6	3053.2	3073.6	3036.4	2999.4
2309.4	70°	2423.0	2536.6	2608.9	2681.2	2733.4	2785.7	2805.5	2825.3	2795.0	2764.8
2093.3	72.5°	2182.7	2271.9	2337.3	2402.6	2453.8	2504.9	2528.5	2552.1	2526.9	2501.7
1832.6	75°	1899.1	1965.5	2024.7	2083.9	2130.5	2177.1	2201.7	2226.4	2214.1	2201.7
1556.8	77.5°	1610.9	1664.7	1715.6	1766.5	1815.5	1864.2	1887.3	1910.3	1893.2	1875.5
1242.8	80°	1287.8	1332.6	1375.4	1418.3	1455.5	1492.5	1523.0	1553.5	1546.0	1538.8
934.8	82.5°	931.1	927.3	912.3	897.3	976.6	1055.9	1107.8	1159.8	1156.6	1153.1
581.2	85°	562.0	542.4	500.9	459.4	533.6	608.0	672.3	736.6	731.2	725.9
270.0	87.5°	269.2	268.4	236.8	204.9	236.0	267.3	293.3	319.3	312.9	305.9
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°
6980.2	0°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
6378.6	2.5°	6360.1	6337.4	6360.1	6378.6	6396.8	6416.7	6436.5	6461.9	6487.4	6519.0
5976.0	5°	5957.0	5938.3	5957.0	5976.0	5995.1	6020.0	6044.9	6080.0	6115.1	6165.4
5735.0	7.5°	5718.1	5705.2	5718.1	5735.0	5752.1	5780.5	5809.2	5850.9	5892.7	5952.2
5669.3	10°	5654.9	5649.0	5654.9	5669.3	5683.8	5710.9	5737.9	5785.1	5831.7	5903.2
5770.6	12.5°	5758.3	5756.1	5758.3	5770.6	5782.9	5812.9	5843.2	5903.4	5963.7	6054.8
5961.0	15°	5945.0	5943.6	5945.0	5961.0	5977.1	6018.9	6060.9	6152.6	6244.2	6373.8
6125.5	17.5°	6104.9	6101.7	6104.9	6125.5	6145.9	6208.3	6270.4	6405.4	6540.4	6712.1
6212.8	20°	6187.4	6179.3	6187.4	6212.8	6238.3	6318.1	6397.6	6562.9	6728.4	6924.5
6206.1	22.5°	6178.0	6165.9	6178.0	6206.1	6234.2	6318.4	6402.2	6572.8	6743.2	6930.7
6100.6	25°	6074.3	6058.8	6074.3	6100.6	6127.1	6199.7	6272.5	6423.6	6575.2	6728.7
5908.8	27.5°	5896.8	5892.7	5896.8	5908.8	5920.9	5969.9	6018.6	6136.2	6253.8	6363.1
5655.7	30°	5655.7	5659.7	5655.7	5655.7	5655.7	5680.9	5705.8	5790.4	5874.5	5958.1
5361.3	32.5°	5363.7	5367.7	5363.7	5361.3	5359.2	5375.5	5391.9	5459.1	5526.3	5603.2
5059.7	35°	5054.4	5051.7	5054.4	5059.7	5065.1	5089.7	5114.6	5176.5	5238.6	5293.0
4764.8	37.5°	4741.0	4727.6	4741.0	4764.8	4788.7	4833.6	4878.9	4936.2	4993.3	5018.5
4487.0	40°	4443.1	4416.9	4443.1	4487.0	4531.5	4596.9	4662.8	4711.2	4759.7	4753.8
4215.7	42.5°	4151.2	4108.8	4151.2	4215.7	4280.3	4362.0	4443.7	4484.4	4525.4	4494.5
3965.5	45°	3889.7	3841.0	3889.7	3965.5	4041.3	4134.6	4228.0	4264.7	4301.7	4257.5
3821.2	47.5°	3751.3	3704.4	3751.3	3821.2	3891.3	3974.4	4057.4	4083.1	4108.8	4058.0
3758.0	50°	3693.1	3648.1	3693.1	3758.0	3822.8	3889.2	3955.6	3956.7	3958.3	3893.0
3720.7	52.5°	3662.9	3621.4	3662.9	3720.7	3778.9	3833.0	3887.1	3873.1	3859.2	3781.8
3677.6	55°	3626.7	3589.2	3626.7	3677.6	3728.5	3775.6	3822.8	3803.5	3784.2	3702.0
3609.0	57.5°	3558.4	3519.6	3558.4	3609.0	3659.4	3707.1	3754.7	3735.2	3715.6	3633.1
3515.3	60°	3463.3	3423.1	3463.3	3515.3	3567.2	3613.6	3660.2	3638.8	3617.3	3534.3
3370.6	62.5°	3316.0	3267.8	3316.0	3370.6	3425.3	3467.3	3509.4	3488.8	3468.1	3392.1
3171.9	65°	3119.1	3077.6	3119.1	3171.9	3224.9	3265.4	3305.8	3284.9	3263.8	3196.8
2950.1	67.5°	2900.8	2863.3	2900.8	2950.1	2999.4	3036.4	3073.6	3053.2	3032.6	2974.8
2717.6	70°	2670.5	2627.6	2670.5	2717.6	2764.8	2795.0	2825.3	2805.5	2785.7	2733.4
2456.7	72.5°	2412.0	2370.5	2412.0	2456.7	2501.7	2526.9	2552.1	2528.5	2504.9	2453.8
2164.0	75°	2126.2	2086.6	2126.2	2164.0	2201.7	2214.1	2226.4	2201.7	2177.1	2130.5
1837.5	77.5°	1799.4	1767.8	1799.4	1837.5	1875.5	1893.2	1910.3	1887.3	1864.2	1815.5
1487.6	80°	1436.2	1376.8	1436.2	1487.6	1538.8	1546.0	1553.5	1523.0	1492.5	1455.5
1110.0	82.5°	1066.6	1028.6	1066.6	1110.0	1153.1	1156.6	1159.8	1107.8	1055.9	976.6
692.1	85°	658.4	624.1	658.4	692.1	725.9	731.2	736.6	672.3	608.0	533.6
288.7	87.5°	271.1	254.5	271.1	288.7	305.9	312.9	319.3	293.3	267.3	236.0
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°
6980.2	0°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
6550.3	2.5°	6590.8	6631.5	6671.9	6712.4	6758.4	6804.8	6855.9	6907.4	6970.8	7027.9
6215.5	5°	6280.9	6345.9	6417.7	6489.5	6570.7	6652.1	6749.3	6846.3	6957.4	7069.9
6011.9	7.5°	6091.5	6171.3	6261.8	6352.1	6459.2	6566.4	6695.2	6824.3	6968.2	7121.6
5974.4	10°	6064.2	6153.9	6251.4	6348.6	6455.8	6562.9	6699.0	6835.0	6989.6	7179.0
6145.9	12.5°	6238.5	6331.5	6407.5	6484.2	6554.9	6626.1	6737.0	6848.4	6992.3	7191.3
6503.4	15°	6584.1	6664.7	6684.5	6704.3	6694.7	6685.0	6738.1	6791.4	6906.6	7127.0
6883.8	17.5°	6948.6	7013.7	6951.8	6889.7	6772.9	6656.1	6636.8	6617.3	6688.3	6947.5
7120.8	20°	7151.1	7181.1	7051.2	6921.3	6718.3	6515.5	6424.4	6333.4	6352.1	6654.0
7118.2	22.5°	7100.2	7082.0	6913.0	6744.0	6512.0	6280.6	6145.9	6011.1	5974.4	6318.1
6882.4	25°	6820.6	6758.4	6592.1	6425.8	6217.4	6009.3	5853.9	5698.5	5599.4	5951.7
6472.6	27.5°	6403.3	6334.2	6200.8	6067.4	5896.5	5725.3	5575.3	5425.3	5304.8	5625.4
6041.4	30°	5985.1	5928.9	5818.0	5707.4	5565.4	5423.5	5304.0	5185.1	5090.5	5359.7
5679.8	32.5°	5617.1	5554.7	5448.4	5342.3	5228.7	5115.4	5045.0	4974.5	4932.5	5149.4
5347.7	35°	5272.7	5197.7	5092.4	4987.4	4901.1	4814.6	4795.1	4775.8	4793.2	4974.0
5043.6	37.5°	4951.0	4858.3	4753.3	4648.6	4586.7	4524.5	4546.0	4567.4	4631.2	4789.2
4747.7	40°	4640.8	4534.2	4432.9	4331.7	4287.0	4242.2	4290.7	4339.2	4437.0	4580.3
4463.7	42.5°	4348.6	4233.4	4137.2	4041.3	4004.6	3968.2	4032.5	4096.8	4220.0	4352.1
4213.3	45°	4093.8	3974.4	3883.3	3792.2	3761.2	3730.6	3793.0	3855.7	3974.9	4108.8
4007.1	47.5°	3889.2	3771.4	3682.4	3593.2	3564.6	3535.6	3588.1	3640.6	3743.2	3916.0
3827.6	50°	3722.1	3616.5	3532.7	3448.6	3403.3	3358.3	3404.7	3451.3	3570.5	3797.6
3704.4	52.5°	3605.8	3507.5	3430.6	3353.5	3286.0	3218.2	3264.0	3310.1	3476.7	3737.9
3620.0	55°	3534.0	3447.8	3364.8	3281.7	3185.8	3089.7	3162.3	3235.1	3486.1	3729.0
3550.4	57.5°	3464.9	3379.8	3282.3	3184.8	3081.4	2978.0	3084.0	3190.1	3495.5	3709.7
3451.3	60°	3364.5	3278.0	3166.0	3054.0	2963.5	2872.7	3010.4	3147.8	3466.0	3607.4
3316.0	62.5°	3223.6	3131.2	3000.5	2870.0	2812.4	2754.9	2926.5	3098.5	3393.7	3411.1
3129.8	65°	3041.5	2953.1	2813.0	2673.2	2651.2	2629.0	2811.9	2994.6	3219.6	3217.4
2916.9	67.5°	2833.3	2749.5	2620.1	2491.0	2498.0	2504.9	2657.1	2809.2	2935.7	2941.5
2681.2	70°	2608.9	2536.6	2423.0	2309.4	2333.5	2357.6	2465.8	2574.1	2615.6	2615.6
2402.6	72.5°	2337.3	2271.9	2182.7	2093.3	2128.3	2163.7	2237.9	2312.1	2311.6	2285.3
2083.9	75°	2024.7	1965.5	1899.1	1832.6	1866.7	1900.4	1957.7	2014.8	2025.0	1903.9
1766.5	77.5°	1715.6	1664.7	1610.9	1556.8	1591.0	1625.3	1671.1	1716.9	1722.3	1522.7
1418.3	80°	1375.4	1332.6	1287.8	1242.8	1271.8	1300.4	1339.0	1377.3	1378.1	1139.7
897.3	82.5°	912.3	927.3	931.1	934.8	955.2	975.5	994.3	1013.0	1001.8	798.2
459.4	85°	500.9	542.4	562.0	581.2	604.0	626.8	646.9	667.0	652.2	500.9
204.9	87.5°	236.8	268.4	269.2	270.0	274.3	278.6	286.6	294.6	275.9	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):

325°		330°	335°	340°	345°	350°	355°	360°
6980.2	0°	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2	6980.2
7086.8	2.5°	7145.7	7207.4	7269.0	7330.0	7391.4	7449.0	7506.5
7189.1	5°	7308.3	7435.8	7563.6	7690.3	7817.2	7944.5	8071.7
7288.0	7.5°	7454.3	7643.1	7832.0	8025.9	8219.8	8429.6	8639.6
7376.1	10°	7572.7	7802.2	8031.5	8287.6	8543.9	8809.4	9074.8
7413.9	12.5°	7636.4	7907.0	8177.5	8467.9	8758.2	9049.6	9341.3
7384.7	15°	7642.3	7953.9	8265.4	8580.4	8895.4	9199.4	9503.4
7257.4	17.5°	7567.3	7928.9	8290.5	8634.2	8977.8	9286.1	9594.4
7038.1	20°	7422.2	7860.4	8298.6	8676.2	9053.9	9374.5	9694.9
6780.7	22.5°	7243.2	7776.3	8309.3	8733.0	9156.5	9484.1	9811.4
6493.3	25°	7035.1	7693.2	8351.6	8835.9	9319.9	9640.5	9961.4
6230.5	27.5°	6835.6	7637.8	8440.0	8996.6	9552.9	9859.1	10165.0
6010.9	30°	6662.0	7611.8	8561.1	9204.7	9848.4	10143.8	10439.5
5821.5	32.5°	6493.3	7579.7	8665.5	9421.9	10178.4	10470.9	10763.6
5635.3	35°	6296.7	7519.1	8742.1	9669.4	10596.7	10877.2	11157.4
5416.2	37.5°	6043.3	7415.5	8787.7	9946.7	11105.7	11463.0	11820.3
5154.8	40°	5729.3	7272.7	8816.3	10298.6	11780.6	12301.4	12822.1
4866.3	42.5°	5380.6	7125.4	8870.7	10759.1	12647.4	13399.0	14150.6
4559.9	45°	5011.0	6988.5	8966.3	11364.9	13763.6	14777.4	15791.2
4317.5	47.5°	4719.0	6875.5	9032.0	12010.5	14989.0	16416.1	17842.9
4156.5	50°	4515.4	6752.3	8989.1	12609.4	16229.7	18381.0	20532.2
4050.5	52.5°	4363.3	6544.1	8725.3	12998.3	17271.1	20445.1	23619.2
3973.6	55°	4218.1	6199.2	8180.2	12912.6	17644.7	22275.1	26905.7
3882.5	57.5°	4055.3	5712.7	7369.9	12309.4	17249.1	23572.0	29894.9
3743.2	60°	3879.0	5081.1	6283.3	11186.8	16090.4	23896.1	31701.6
3501.1	62.5°	3591.4	4325.3	5059.2	9668.9	14278.6	22531.4	30784.2
3260.0	65°	3302.6	3645.2	3987.8	8120.2	12252.9	20600.5	28948.1
2918.0	67.5°	2894.1	2991.6	3088.9	6603.1	10117.3	18302.6	26487.8
2505.5	70°	2395.1	2367.5	2339.7	5199.0	8058.3	15795.2	23532.1
2129.2	72.5°	1972.7	1888.6	1804.8	3974.6	6144.5	13077.0	20009.9
1728.7	75°	1553.5	1477.5	1401.4	2884.8	4368.1	9961.1	15554.1
1352.7	77.5°	1182.6	1130.6	1078.9	1954.8	2830.7	6971.9	11113.2
995.9	80°	851.8	830.3	808.9	1259.4	1710.2	4491.9	7273.5
692.1	82.5°	586.1	581.8	578.0	774.6	971.8	2599.8	4228.0
423.2	85°	345.5	347.7	349.5	414.1	478.9	1169.4	1860.2
181.1	87.5°	149.5	151.3	153.2	171.7	190.2	383.0	575.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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