

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: P954689

Luminaire Tested: **GALN-SB7D-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954689
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-SB7D-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68974 lumens
Efficiency: N/A
Efficacy: 134.5 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

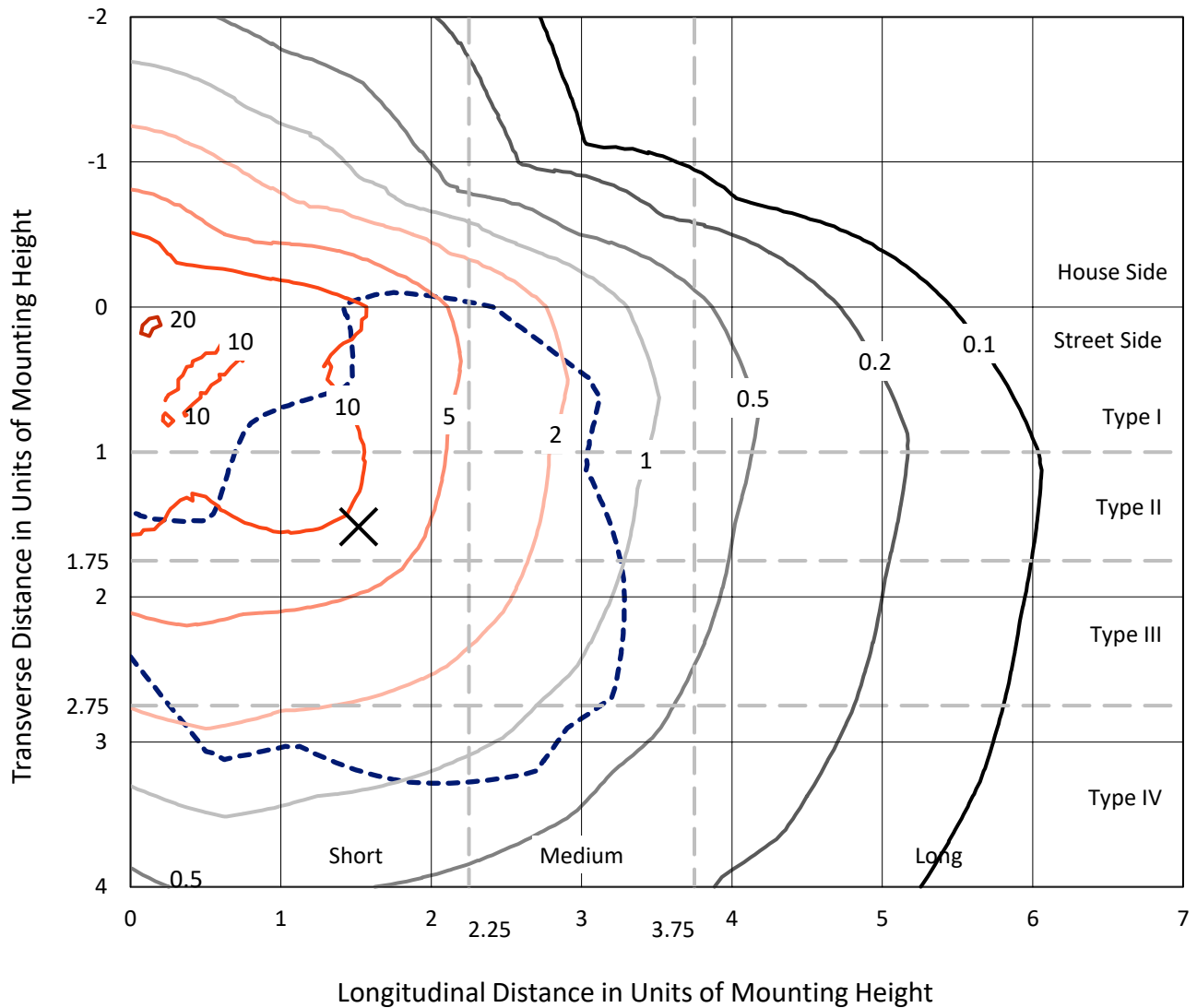
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

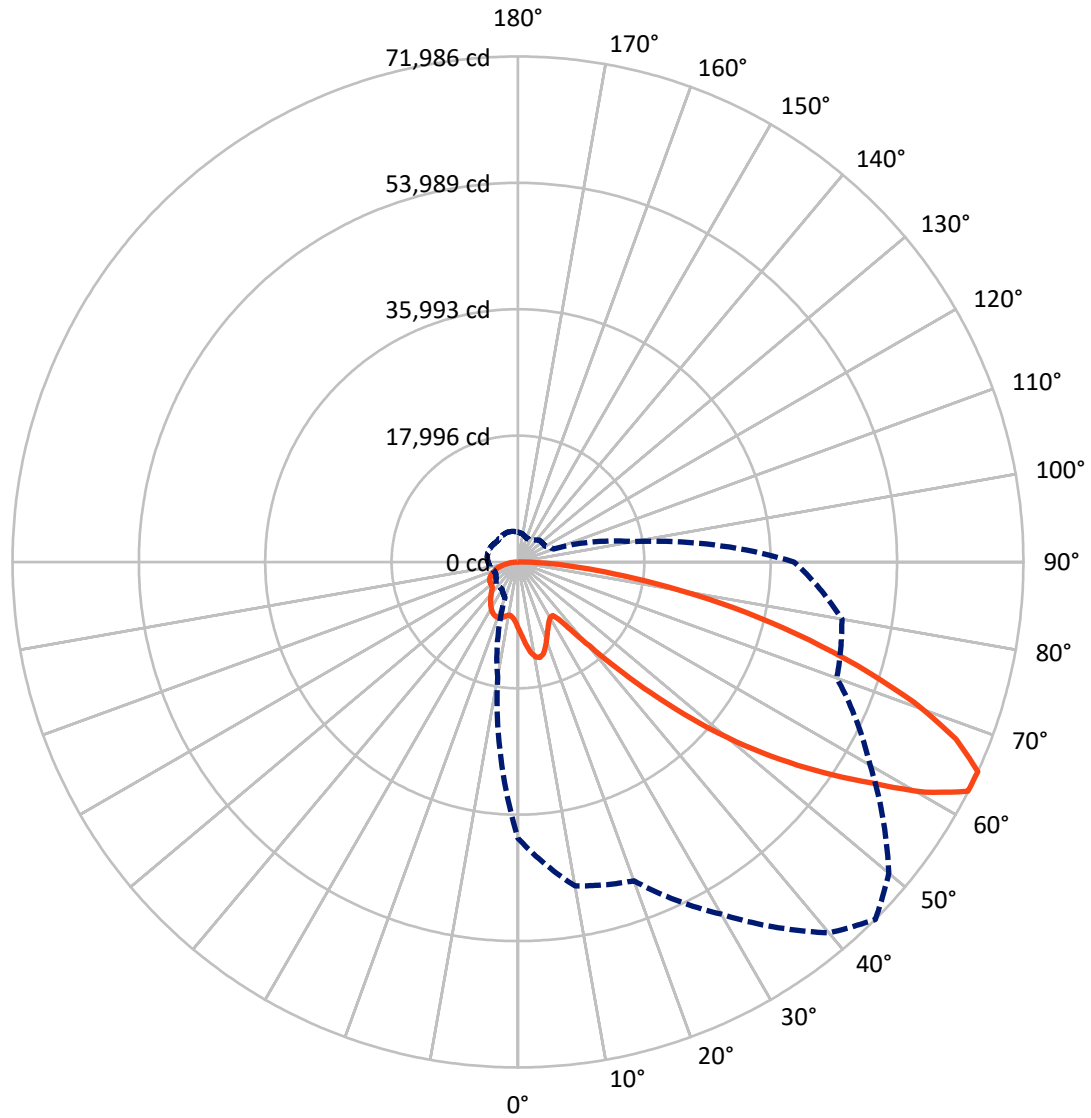
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21 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	17529.7	0.0	17529.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	51444.3	0.0	51444.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	68974.0	0.0	68974.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.8	1.4
10°-20°	2953.5	4.3
20°-30°	4562.2	6.6
30°-40°	5781.5	8.4
40°-50°	8719.9	12.6
50°-60°	14088.3	20.4
60°-70°	17563.3	25.5
70°-80°	11517.1	16.7
80°-90°	2847.3	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°	68974.0	100.0
0°-180°	68974.0	100.0



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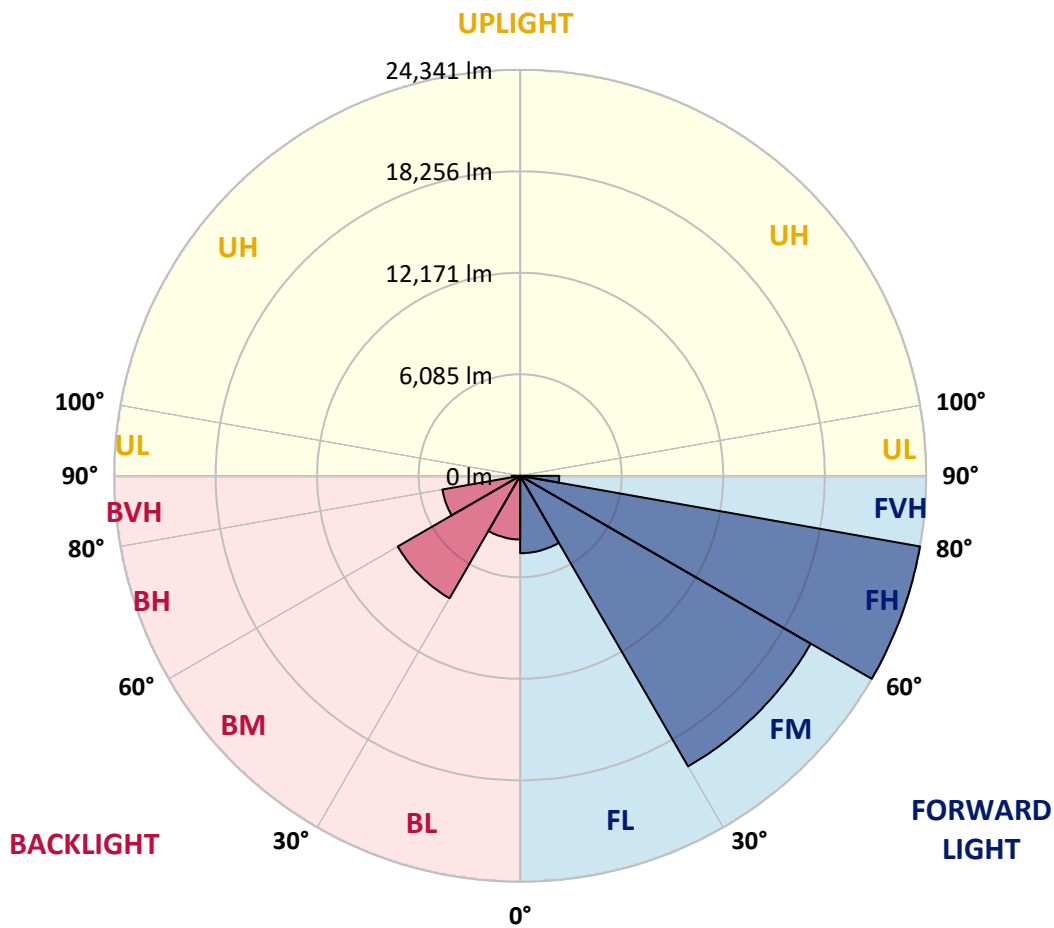
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4639.3	6.7			
FM (30°-60°)	20118.2	29.2			
FH (60°-80°)	24341.2	35.3			G5
FVH (80°-90°)	2345.6	3.4			G5
BL (0°-30°)	3817.3	5.5	B4/5000		
BM (30°-60°)	8471.4	12.3	B4/8500		
BH (60°-80°)	4739.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	501.8	0.7			G4/750
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°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
2.5°	10199.7	10238.3	10277.2	10332.2	10387.1	10419.9	10452.6	10469.0	10485.4	10478.1
5°	10967.6	11102.6	11238.0	11372.0	11506.3	11579.0	11651.8	11695.9	11740.3	11773.8
7.5°	11739.2	11959.0	12178.5	12376.1	12573.7	12692.7	12811.7	12876.2	12940.2	12971.2
10°	12330.6	12590.5	12850.3	13082.2	13314.0	13454.5	13594.2	13656.8	13719.1	13742.7
12.5°	12692.7	12974.4	13255.8	13465.4	13674.3	13776.2	13878.1	13912.3	13946.5	13950.2
15°	12912.9	13156.0	13398.8	13530.2	13661.9	13665.6	13669.2	13632.8	13596.4	13553.5
17.5°	13036.7	13200.8	13364.9	13367.5	13369.7	13222.3	13074.9	12939.9	12804.5	12709.1
20°	13173.1	13230.3	13287.8	13114.9	12942.0	12616.7	12291.3	12054.4	11817.4	11671.9
22.5°	13331.5	13256.5	13181.5	12823.4	12465.3	11986.7	11508.1	11211.8	10915.6	10754.7
25°	13535.3	13298.7	13062.1	12518.4	11974.7	11393.4	10812.2	10500.7	10189.9	10037.7
27.5°	13811.9	13389.0	12965.7	12245.4	11525.5	10881.4	10237.2	9930.7	9624.6	9480.9
30°	14184.9	13554.2	12923.8	12037.3	11150.7	10479.6	9808.4	9524.2	9239.9	9106.0
32.5°	14625.3	13761.7	12898.4	11895.3	10892.3	10261.6	9630.8	9407.7	9184.3	9087.8
35°	15160.3	14103.4	13046.9	12001.6	10956.7	10518.5	10080.7	10028.6	9976.6	9968.6
37.5°	16061.1	14817.8	13574.6	12624.7	11674.8	11646.4	11618.0	11856.0	12094.0	12217.8
40°	17422.3	16070.2	14718.1	14011.7	13305.3	13803.9	14302.5	14881.2	15459.8	15748.1
42.5°	19227.4	17885.9	16544.4	16137.5	15730.6	16818.1	17905.6	18958.1	20010.7	20628.6
45°	21456.6	20251.6	19046.2	18866.8	18687.0	20429.2	22171.8	23901.3	25631.1	26681.1
47.5°	24244.5	23072.2	21899.6	21863.2	21826.8	24340.2	26852.9	29384.9	31916.5	33403.3
50°	27898.5	26450.4	25002.6	25008.8	25015.0	28254.1	31493.3	34835.4	38177.6	40198.2
52.5°	32093.1	30339.5	28586.4	28409.2	28231.5	32100.7	35969.8	40105.0	44239.9	46661.9
55°	36558.7	34826.3	33093.9	32402.8	31711.6	36017.9	40323.8	45253.5	50183.2	53063.8
57.5°	40620.4	39677.0	38733.3	37347.0	35961.1	40309.2	44657.3	50241.0	55824.4	59396.5
60°	43075.2	44540.5	46006.1	44284.6	42563.1	46678.0	50792.8	56771.0	62749.2	66610.0
62.5°	41828.7	45832.5	49836.3	49642.3	49448.0	53217.4	56987.2	62675.0	68362.4	71930.9
65°	39333.8	43091.6	46849.4	47592.9	48336.1	53126.4	57917.1	63432.4	68947.3	71985.5
67.5°	35990.9	39564.9	43138.9	43487.6	43835.9	48827.1	53817.9	59356.9	64895.8	67276.0
70°	31974.8	35862.1	39749.8	39905.6	40061.7	44525.2	48988.3	53754.9	58521.2	59844.2
72.5°	27188.8	31649.8	36111.1	36223.1	36334.9	39827.0	43319.1	46889.0	50458.7	50592.6
75°	21134.5	25751.6	30368.7	30783.2	31197.7	33914.6	36631.5	39144.6	41657.6	40984.3
77.5°	15100.3	19410.1	23720.4	24313.6	24906.9	26972.3	29037.7	30820.0	32602.6	31445.2
80°	9883.0	13509.1	17134.7	17872.1	18609.5	20169.3	21728.5	22664.6	23600.3	21738.7
82.5°	5744.9	8223.8	10703.0	11526.6	12350.6	13424.3	14497.9	14888.4	15278.6	13815.5
85°	2527.6	3843.3	5159.0	5859.6	6560.2	7442.4	8324.2	8545.9	8767.5	7595.6
87.5°	782.5	1224.7	1666.9	2057.8	2448.7	2889.8	3330.9	3349.8	3368.4	2827.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
9484.5	0°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
10485.4	2.5°	10469.0	10452.6	10419.9	10387.1	10332.2	10277.2	10238.3	10199.7	10121.4	10043.2
11740.3	5°	11695.9	11651.8	11579.0	11506.3	11372.0	11238.0	11102.6	10967.6	10794.7	10621.9
12940.2	7.5°	12876.2	12811.7	12692.7	12573.7	12376.1	12178.5	11959.0	11739.2	11453.8	11168.9
13719.1	10°	13656.8	13594.2	13454.5	13314.0	13082.2	12850.3	12590.5	12330.6	11969.9	11609.3
13946.5	12.5°	13912.3	13878.1	13776.2	13674.3	13465.4	13255.8	12974.4	12692.7	12296.4	11900.4
13596.4	15°	13632.8	13669.2	13665.6	13661.9	13530.2	13398.8	13156.0	12912.9	12499.8	12086.8
12804.5	17.5°	12939.9	13074.9	13222.3	13369.7	13367.5	13364.9	13200.8	13036.7	12617.8	12198.9
11817.4	20°	12054.4	12291.3	12616.7	12942.0	13114.9	13287.8	13230.3	13173.1	12737.9	12302.2
10915.6	22.5°	11211.8	11508.1	11986.7	12465.3	12823.4	13181.5	13256.5	13331.5	12886.7	12441.6
10189.9	25°	10500.7	10812.2	11393.4	11974.7	12518.4	13062.1	13298.7	13535.3	13099.3	12663.6
9624.6	27.5°	9930.7	10237.2	10881.4	11525.5	12245.4	12965.7	13389.0	13811.9	13396.2	12980.3
9239.9	30°	9524.2	9808.4	10479.6	11150.7	12037.3	12923.8	13554.2	14184.9	13783.1	13381.7
9184.3	32.5°	9407.7	9630.8	10261.6	10892.3	11895.3	12898.4	13761.7	14625.3	14227.5	13830.1
9976.6	35°	10028.6	10080.7	10518.5	10956.7	12001.6	13046.9	14103.4	15160.3	14779.6	14398.6
12094.0	37.5°	11856.0	11618.0	11646.4	11674.8	12624.7	13574.6	14817.8	16061.1	15575.6	15090.1
15459.8	40°	14881.2	14302.5	13803.9	13305.3	14011.7	14718.1	16070.2	17422.3	16714.7	16007.2
20010.7	42.5°	18958.1	17905.6	16818.1	15730.6	16137.5	16544.4	17885.9	19227.4	18206.2	17185.0
25631.1	45°	23901.3	22171.8	20429.2	18687.0	18866.8	19046.2	20251.6	21456.6	20079.1	18701.5
31916.5	47.5°	29384.9	26852.9	24340.2	21826.8	21863.2	21899.6	23072.2	24244.5	22305.7	20366.6
38177.6	50°	34835.4	31493.3	28254.1	25015.0	25008.8	25002.6	26450.4	27898.5	24975.7	22052.4
44239.9	52.5°	40105.0	35969.8	32100.7	28231.5	28409.2	28586.4	30339.5	32093.1	27780.3	23467.5
50183.2	55°	45253.5	40323.8	36017.9	31711.6	32402.8	33093.9	34826.3	36558.7	30266.8	23975.2
55824.4	57.5°	50241.0	44657.3	40309.2	35961.1	37347.0	38733.3	39677.0	40620.4	32029.0	23437.6
62749.2	60°	56771.0	50792.8	46678.0	42563.1	44284.6	46006.1	44540.5	43075.2	32469.4	21863.2
68362.4	62.5°	62675.0	56987.2	53217.4	49448.0	49642.3	49836.3	45832.5	41828.7	30615.1	19401.4
68947.3	65°	63432.4	57917.1	53126.4	48336.1	47592.9	46849.4	43091.6	39333.8	27991.3	16648.9
64895.8	67.5°	59356.9	53817.9	48827.1	43835.9	43487.6	43138.9	39564.9	35990.9	24869.0	13747.1
58521.2	70°	53754.9	48988.3	44525.2	40061.7	39905.6	39749.8	35862.1	31974.8	21462.1	10949.4
50458.7	72.5°	46889.0	43319.1	39827.0	36334.9	36223.1	36111.1	31649.8	27188.8	17768.7	8349.0
41657.6	75°	39144.6	36631.5	33914.6	31197.7	30783.2	30368.7	25751.6	21134.5	13534.9	5935.3
32602.6	77.5°	30820.0	29037.7	26972.3	24906.9	24313.6	23720.4	19410.1	15100.3	9473.2	3846.2
23600.3	80°	22664.6	21728.5	20169.3	18609.5	17872.1	17134.7	13509.1	9883.0	6103.4	2323.8
15278.6	82.5°	14888.4	14497.9	13424.3	12350.6	11526.6	10703.0	8223.8	5744.9	3532.5	1320.4
8767.5	85°	8545.9	8324.2	7442.4	6560.2	5859.6	5159.0	3843.3	2527.6	1589.0	650.7
3368.4	87.5°	3349.8	3330.9	2889.8	2448.7	2057.8	1666.9	1224.7	782.5	520.4	258.4
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°
9484.5	0°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
9959.8	2.5°	9876.9	9793.1	9709.4	9629.4	9549.3	9471.8	9385.5	9315.6	9246.1	9183.2
10449.3	5°	10277.2	10103.6	9930.4	9768.4	9606.4	9453.6	9302.5	9170.8	9038.7	8928.0
10905.4	7.5°	10641.9	10385.3	10128.7	9902.7	9676.7	9468.1	9272.7	9097.3	8922.2	8776.6
11261.0	10°	10913.0	10601.5	10289.6	10022.4	9754.6	9497.3	9287.3	9102.4	8917.5	8771.9
11505.9	12.5°	11111.4	10743.8	10376.2	10073.8	9771.3	9500.9	9305.5	9154.1	9003.4	8906.6
11658.8	15°	11230.7	10807.5	10384.2	10034.1	9684.0	9384.4	9227.9	9155.5	9083.4	9096.5
11731.9	17.5°	11265.0	10773.6	10282.3	9861.2	9440.1	9087.8	8991.4	9017.9	9044.1	9202.8
11789.0	20°	11275.9	10680.5	10085.0	9563.1	9041.2	8631.1	8605.6	8729.3	8853.1	9128.6
11866.2	22.5°	11290.4	10566.2	9841.9	9213.4	8584.8	8117.9	8167.8	8350.8	8533.9	8848.3
12006.0	25°	11347.9	10453.4	9559.1	8822.9	8087.0	7608.4	7743.0	7954.1	8165.2	8448.0
12224.3	27.5°	11468.0	10378.0	9288.0	8465.8	7643.7	7208.0	7371.8	7575.6	7779.4	8012.0
12507.1	30°	11632.5	10342.7	9052.1	8167.4	7282.6	6916.9	7045.3	7206.9	7369.2	7562.1
12802.3	32.5°	11774.5	10299.0	8822.9	7910.1	6996.9	6702.1	6759.3	6855.0	6950.7	7104.7
13138.6	35°	11878.6	10216.8	8555.7	7657.1	6758.5	6512.9	6489.2	6515.4	6542.0	6659.5
13515.3	37.5°	11940.4	10075.9	8211.4	7359.4	6507.4	6292.7	6206.1	6176.9	6147.8	6232.3
13993.5	40°	11979.4	9882.0	7784.9	7004.2	6223.5	6028.8	5896.0	5830.1	5764.2	5825.0
14619.1	42.5°	12053.3	9681.8	7311.0	6612.2	5913.4	5734.0	5566.6	5479.3	5391.9	5441.4
15442.4	45°	12183.2	9495.8	6808.8	6195.9	5583.0	5401.0	5239.1	5153.9	5069.1	5110.6
16319.5	47.5°	12272.4	9342.2	6412.1	5866.5	5320.9	5086.2	4946.8	4875.5	4804.1	4843.4
17133.3	50°	12214.1	9174.8	6135.5	5647.8	5160.1	4851.4	4689.5	4626.2	4563.2	4624.3
17661.7	52.5°	11855.6	8892.0	5928.7	5503.6	5078.9	4724.1	4497.7	4435.1	4372.9	4464.9
17545.3	55°	11115.0	8423.2	5731.5	5399.2	5066.9	4736.8	4395.8	4296.8	4198.2	4328.8
16725.7	57.5°	10014.1	7762.3	5510.2	5275.4	5040.7	4749.5	4334.6	4190.5	4046.4	4186.9
15200.3	60°	8537.5	6904.1	5270.7	5086.2	4901.7	4709.5	4277.1	4090.4	3903.4	4026.7
13137.8	62.5°	6874.3	5877.1	4879.8	4757.2	4634.9	4611.2	4210.2	3976.5	3743.2	3821.5
11033.5	65°	5418.5	4953.0	4487.5	4429.6	4371.8	4374.7	4069.0	3820.7	3572.2	3602.4
8972.1	67.5°	4197.1	4064.9	3932.5	3964.9	3996.9	3988.9	3817.1	3610.4	3403.7	3394.2
7064.3	70°	3179.1	3216.9	3254.4	3404.4	3554.0	3554.0	3497.6	3350.5	3203.5	3170.7
5400.6	72.5°	2452.3	2566.2	2680.5	2893.0	3105.2	3140.9	3141.6	3040.8	2940.0	2891.9
3919.7	75°	1904.2	2007.5	2110.9	2348.9	2587.0	2751.5	2737.6	2660.1	2582.2	2536.4
2656.1	77.5°	1466.0	1536.2	1606.8	1837.9	2069.1	2340.2	2332.9	2270.7	2208.4	2161.9
1711.3	80°	1099.1	1128.2	1157.4	1353.2	1548.6	1872.5	1871.4	1819.4	1767.0	1728.0
1052.5	82.5°	785.4	790.5	796.3	940.4	1084.6	1361.2	1376.5	1351.0	1325.5	1297.8
562.7	85°	475.0	472.4	469.5	575.0	680.6	886.2	906.2	878.9	851.6	820.7
233.3	87.5°	208.2	205.6	203.1	246.0	289.3	374.9	400.3	389.4	378.5	372.7
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°
9484.5	0°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
9120.6	2.5°	9065.6	9010.7	8955.3	8900.4	8857.8	8814.9	8780.3	8745.7	8718.8	8691.8
8817.8	5°	8720.2	8622.7	8534.2	8445.4	8377.4	8309.0	8261.3	8213.6	8179.8	8145.9
8631.1	7.5°	8508.4	8385.4	8276.9	8168.8	8087.7	8006.9	7950.1	7893.3	7854.4	7815.8
8626.3	10°	8494.2	8361.7	8239.8	8117.9	8021.1	7923.9	7860.6	7796.5	7759.8	7723.0
8810.5	12.5°	8706.4	8603.0	8476.7	8350.8	8227.1	8103.3	8021.4	7939.6	7898.4	7857.7
9109.7	15°	9082.7	9055.8	8946.2	8836.7	8660.5	8484.4	8359.9	8235.4	8178.3	8121.5
9361.5	17.5°	9445.9	9530.0	9441.6	9353.5	9120.2	8886.9	8703.5	8520.1	8435.6	8350.8
9404.5	20°	9581.0	9757.5	9716.7	9675.6	9408.8	9142.4	8917.5	8692.9	8584.8	8476.4
9163.5	22.5°	9393.2	9622.8	9647.6	9672.0	9417.2	9162.4	8931.0	8699.1	8585.2	8470.9
8731.1	25°	8957.2	9183.2	9267.6	9351.7	9142.8	8934.2	8728.2	8523.0	8424.0	8325.3
8244.2	27.5°	8425.4	8606.7	8700.6	8794.8	8646.0	8497.5	8337.7	8177.9	8111.7	8045.1
7755.0	30°	7905.3	8056.0	8132.4	8208.9	8095.7	7982.1	7867.9	7752.8	7719.0	7684.8
7259.0	32.5°	7403.1	7547.6	7632.4	7717.5	7613.5	7509.0	7417.7	7326.3	7304.1	7281.9
6776.7	35°	6919.4	7062.4	7164.3	7266.2	7192.0	7118.1	7033.7	6949.6	6915.8	6882.3
6316.3	37.5°	6458.6	6601.3	6727.2	6853.2	6819.0	6784.7	6707.2	6629.3	6567.8	6506.7
5885.8	40°	6023.4	6160.9	6305.8	6451.0	6459.4	6467.4	6401.5	6335.6	6246.1	6157.3
5491.3	42.5°	5621.6	5752.2	5908.7	6065.2	6107.1	6148.9	6093.2	6037.9	5926.9	5815.9
5152.8	45°	5276.5	5400.3	5562.6	5724.9	5785.0	5845.0	5794.8	5744.9	5617.9	5491.3
4882.4	47.5°	5003.6	5124.4	5284.5	5444.7	5513.8	5583.0	5548.0	5513.1	5400.3	5287.5
4685.8	50°	4800.1	4914.0	5057.4	5200.8	5289.6	5378.4	5376.3	5374.8	5284.5	5194.3
4556.6	52.5°	4661.5	4765.9	4899.5	5033.4	5138.6	5243.8	5262.7	5281.6	5208.1	5134.6
4459.1	55°	4571.9	4684.8	4801.9	4918.8	5030.1	5141.9	5168.1	5194.3	5130.2	5066.2
4327.4	57.5°	4459.8	4592.3	4708.0	4824.1	4936.6	5048.7	5075.3	5101.8	5037.1	4972.3
4149.8	60°	4301.9	4454.0	4571.6	4689.5	4802.3	4915.1	4944.3	4973.4	4910.0	4847.1
3899.7	62.5°	4077.0	4254.6	4380.1	4505.7	4609.1	4712.4	4740.4	4768.5	4711.3	4654.2
3632.2	65°	3822.2	4012.5	4132.6	4252.7	4343.7	4434.7	4463.5	4491.9	4436.9	4381.9
3384.7	67.5°	3560.2	3735.9	3849.9	3963.4	4042.0	4120.6	4148.7	4176.3	4125.7	4075.5
3138.0	70°	3292.3	3446.6	3544.9	3643.1	3714.1	3785.1	3812.0	3838.9	3797.8	3756.7
2844.3	72.5°	2965.8	3087.0	3175.8	3264.6	3334.1	3403.7	3435.7	3467.7	3433.5	3399.3
2490.1	75°	2580.4	2670.7	2751.1	2831.5	2894.9	2958.2	2991.7	3025.1	3008.4	2991.7
2115.3	77.5°	2188.8	2261.9	2331.1	2400.2	2466.8	2533.1	2564.4	2595.7	2572.4	2548.4
1688.7	80°	1749.9	1810.6	1868.9	1927.1	1977.7	2027.9	2069.4	2110.9	2100.7	2090.9
1270.2	82.5°	1265.1	1260.0	1239.6	1219.2	1327.0	1434.7	1505.3	1575.9	1571.5	1566.8
789.8	85°	763.6	737.0	680.6	624.2	725.0	826.2	913.5	1000.9	993.6	986.3
366.9	87.5°	365.8	364.7	321.7	278.4	320.6	363.2	398.5	433.8	425.1	415.6
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°
9484.5	0°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
8667.1	2.5°	8642.0	8611.0	8642.0	8667.1	8691.8	8718.8	8745.7	8780.3	8814.9	8857.8
8120.1	5°	8094.2	8068.8	8094.2	8120.1	8145.9	8179.8	8213.6	8261.3	8309.0	8377.4
7792.5	7.5°	7769.6	7752.1	7769.6	7792.5	7815.8	7854.4	7893.3	7950.1	8006.9	8087.7
7703.4	10°	7683.7	7675.7	7683.7	7703.4	7723.0	7759.8	7796.5	7860.6	7923.9	8021.1
7840.9	12.5°	7824.2	7821.3	7824.2	7840.9	7857.7	7898.4	7939.6	8021.4	8103.3	8227.1
8099.7	15°	8077.9	8076.0	8077.9	8099.7	8121.5	8178.3	8235.4	8359.9	8484.4	8660.5
8323.2	17.5°	8295.1	8290.8	8295.1	8323.2	8350.8	8435.6	8520.1	8703.5	8886.9	9120.2
8441.8	20°	8407.2	8396.3	8407.2	8441.8	8476.4	8584.8	8692.9	8917.5	9142.4	9408.8
8432.7	22.5°	8394.5	8378.1	8394.5	8432.7	8470.9	8585.2	8699.1	8931.0	9162.4	9417.2
8289.3	25°	8253.6	8232.5	8253.6	8289.3	8325.3	8424.0	8523.0	8728.2	8934.2	9142.8
8028.7	27.5°	8012.3	8006.9	8012.3	8028.7	8045.1	8111.7	8177.9	8337.7	8497.5	8646.0
7684.8	30°	7684.8	7690.2	7684.8	7684.8	7684.8	7719.0	7752.8	7867.9	7982.1	8095.7
7284.8	32.5°	7288.1	7293.5	7288.1	7284.8	7281.9	7304.1	7326.3	7417.7	7509.0	7613.5
6875.0	35°	6867.7	6864.1	6867.7	6875.0	6882.3	6915.8	6949.6	7033.7	7118.1	7192.0
6474.3	37.5°	6441.9	6423.7	6441.9	6474.3	6506.7	6567.8	6629.3	6707.2	6784.7	6819.0
6096.9	40°	6037.2	6001.5	6037.2	6096.9	6157.3	6246.1	6335.6	6401.5	6467.4	6459.4
5728.2	42.5°	5640.5	5583.0	5640.5	5728.2	5815.9	5926.9	6037.9	6093.2	6148.9	6107.1
5388.3	45°	5285.3	5219.0	5285.3	5388.3	5491.3	5617.9	5744.9	5794.8	5845.0	5785.0
5192.1	47.5°	5097.1	5033.4	5097.1	5192.1	5287.5	5400.3	5513.1	5548.0	5583.0	5513.8
5106.2	50°	5018.1	4957.0	5018.1	5106.2	5194.3	5284.5	5374.8	5376.3	5378.4	5289.6
5055.6	52.5°	4977.0	4920.6	4977.0	5055.6	5134.6	5208.1	5281.6	5262.7	5243.8	5138.6
4997.0	55°	4927.9	4876.9	4927.9	4997.0	5066.2	5130.2	5194.3	5168.1	5141.9	5030.1
4903.9	57.5°	4835.1	4782.3	4835.1	4903.9	4972.3	5037.1	5101.8	5075.3	5048.7	4936.6
4776.5	60°	4705.9	4651.3	4705.9	4776.5	4847.1	4910.0	4973.4	4944.3	4915.1	4802.3
4579.9	62.5°	4505.7	4440.2	4505.7	4579.9	4654.2	4711.3	4768.5	4740.4	4712.4	4609.1
4309.9	65°	4238.2	4181.8	4238.2	4309.9	4381.9	4436.9	4491.9	4463.5	4434.7	4343.7
4008.5	67.5°	3941.6	3890.6	3941.6	4008.5	4075.5	4125.7	4176.3	4148.7	4120.6	4042.0
3692.6	70°	3628.6	3570.3	3628.6	3692.6	3756.7	3797.8	3838.9	3812.0	3785.1	3714.1
3338.1	72.5°	3277.4	3221.0	3277.4	3338.1	3399.3	3433.5	3467.7	3435.7	3403.7	3334.1
2940.3	75°	2889.0	2835.2	2889.0	2940.3	2991.7	3008.4	3025.1	2991.7	2958.2	2894.9
2496.7	77.5°	2445.0	2402.1	2445.0	2496.7	2548.4	2572.4	2595.7	2564.4	2533.1	2466.8
2021.4	80°	1951.5	1870.7	1951.5	2021.4	2090.9	2100.7	2110.9	2069.4	2027.9	1977.7
1508.2	82.5°	1449.2	1397.6	1449.2	1508.2	1566.8	1571.5	1575.9	1505.3	1434.7	1327.0
940.4	85°	894.6	848.0	894.6	940.4	986.3	993.6	1000.9	913.5	826.2	725.0
392.3	87.5°	368.3	345.8	368.3	392.3	415.6	425.1	433.8	398.5	363.2	320.6
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°
9484.5	0°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
8900.4	2.5°	8955.3	9010.7	9065.6	9120.6	9183.2	9246.1	9315.6	9385.5	9471.8	9549.3
8445.4	5°	8534.2	8622.7	8720.2	8817.8	8928.0	9038.7	9170.8	9302.5	9453.6	9606.4
8168.8	7.5°	8276.9	8385.4	8508.4	8631.1	8776.6	8922.2	9097.3	9272.7	9468.1	9676.7
8117.9	10°	8239.8	8361.7	8494.2	8626.3	8771.9	8917.5	9102.4	9287.3	9497.3	9754.6
8350.8	12.5°	8476.7	8603.0	8706.4	8810.5	8906.6	9003.4	9154.1	9305.5	9500.9	9771.3
8836.7	15°	8946.2	9055.8	9082.7	9109.7	9096.5	9083.4	9155.5	9227.9	9384.4	9684.0
9353.5	17.5°	9441.6	9530.0	9445.9	9361.5	9202.8	9044.1	9017.9	8991.4	9087.8	9440.1
9675.6	20°	9716.7	9757.5	9581.0	9404.5	9128.6	8853.1	8729.3	8605.6	8631.1	9041.2
9672.0	22.5°	9647.6	9622.8	9393.2	9163.5	8848.3	8533.9	8350.8	8167.8	8117.9	8584.8
9351.7	25°	9267.6	9183.2	8957.2	8731.1	8448.0	8165.2	7954.1	7743.0	7608.4	8087.0
8794.8	27.5°	8700.6	8606.7	8425.4	8244.2	8012.0	7779.4	7575.6	7371.8	7208.0	7643.7
8208.9	30°	8132.4	8056.0	7905.3	7755.0	7562.1	7369.2	7206.9	7045.3	6916.9	7282.6
7717.5	32.5°	7632.4	7547.6	7403.1	7259.0	7104.7	6950.7	6855.0	6759.3	6702.1	6996.9
7266.2	35°	7164.3	7062.4	6919.4	6776.7	6659.5	6542.0	6515.4	6489.2	6512.9	6758.5
6853.2	37.5°	6727.2	6601.3	6458.6	6316.3	6232.3	6147.8	6176.9	6206.1	6292.7	6507.4
6451.0	40°	6305.8	6160.9	6023.4	5885.8	5825.0	5764.2	5830.1	5896.0	6028.8	6223.5
6065.2	42.5°	5908.7	5752.2	5621.6	5491.3	5441.4	5391.9	5479.3	5566.6	5734.0	5913.4
5724.9	45°	5562.6	5400.3	5276.5	5152.8	5110.6	5069.1	5153.9	5239.1	5401.0	5583.0
5444.7	47.5°	5284.5	5124.4	5003.6	4882.4	4843.4	4804.1	4875.5	4946.8	5086.2	5320.9
5200.8	50°	5057.4	4914.0	4800.1	4685.8	4624.3	4563.2	4626.2	4689.5	4851.4	5160.1
5033.4	52.5°	4899.5	4765.9	4661.5	4556.6	4464.9	4372.9	4435.1	4497.7	4724.1	5078.9
4918.8	55°	4801.9	4684.8	4571.9	4459.1	4328.8	4198.2	4296.8	4395.8	4736.8	5066.9
4824.1	57.5°	4708.0	4592.3	4459.8	4327.4	4186.9	4046.4	4190.5	4334.6	4749.5	5040.7
4689.5	60°	4571.6	4454.0	4301.9	4149.8	4026.7	3903.4	4090.4	4277.1	4709.5	4901.7
4505.7	62.5°	4380.1	4254.6	4077.0	3899.7	3821.5	3743.2	3976.5	4210.2	4611.2	4634.9
4252.7	65°	4132.6	4012.5	3822.2	3632.2	3602.4	3572.2	3820.7	4069.0	4374.7	4371.8
3963.4	67.5°	3849.9	3735.9	3560.2	3384.7	3394.2	3403.7	3610.4	3817.1	3988.9	3996.9
3643.1	70°	3544.9	3446.6	3292.3	3138.0	3170.7	3203.5	3350.5	3497.6	3554.0	3554.0
3264.6	72.5°	3175.8	3087.0	2965.8	2844.3	2891.9	2940.0	3040.8	3141.6	3140.9	3105.2
2831.5	75°	2751.1	2670.7	2580.4	2490.1	2536.4	2582.2	2660.1	2737.6	2751.5	2587.0
2400.2	77.5°	2331.1	2261.9	2188.8	2115.3	2161.9	2208.4	2270.7	2332.9	2340.2	2069.1
1927.1	80°	1868.9	1810.6	1749.9	1688.7	1728.0	1767.0	1819.4	1871.4	1872.5	1548.6
1219.2	82.5°	1239.6	1260.0	1265.1	1270.2	1297.8	1325.5	1351.0	1376.5	1361.2	1084.6
624.2	85°	680.6	737.0	763.6	789.8	820.7	851.6	878.9	906.2	886.2	680.6
278.4	87.5°	321.7	364.7	365.8	366.9	372.7	378.5	389.4	400.3	374.9	289.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
9484.5	0°	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5	9484.5
9629.4	2.5°	9709.4	9793.1	9876.9	9959.8	10043.2	10121.4	10199.7
9768.4	5°	9930.4	10103.6	10277.2	10449.3	10621.9	10794.7	10967.6
9902.7	7.5°	10128.7	10385.3	10641.9	10905.4	11168.9	11453.8	11739.2
10022.4	10°	10289.6	10601.5	10913.0	11261.0	11609.3	11969.9	12330.6
10073.8	12.5°	10376.2	10743.8	11111.4	11505.9	11900.4	12296.4	12692.7
10034.1	15°	10384.2	10807.5	11230.7	11658.8	12086.8	12499.8	12912.9
9861.2	17.5°	10282.3	10773.6	11265.0	11731.9	12198.9	12617.8	13036.7
9563.1	20°	10085.0	10680.5	11275.9	11789.0	12302.2	12737.9	13173.1
9213.4	22.5°	9841.9	10566.2	11290.4	11866.2	12441.6	12886.7	13331.5
8822.9	25°	9559.1	10453.4	11347.9	12006.0	12663.6	13099.3	13535.3
8465.8	27.5°	9288.0	10378.0	11468.0	12224.3	12980.3	13396.2	13811.9
8167.4	30°	9052.1	10342.7	11632.5	12507.1	13381.7	13783.1	14184.9
7910.1	32.5°	8822.9	10299.0	11774.5	12802.3	13830.1	14227.5	14625.3
7657.1	35°	8555.7	10216.8	11878.6	13138.6	14398.6	14779.6	15160.3
7359.4	37.5°	8211.4	10075.9	11940.4	13515.3	15090.1	15575.6	16061.1
7004.2	40°	7784.9	9882.0	11979.4	13993.5	16007.2	16714.7	17422.3
6612.2	42.5°	7311.0	9681.8	12053.3	14619.1	17185.0	18206.2	19227.4
6195.9	45°	6808.8	9495.8	12183.2	15442.4	18701.5	20079.1	21456.6
5866.5	47.5°	6412.1	9342.2	12272.4	16319.5	20366.6	22305.7	24244.5
5647.8	50°	6135.5	9174.8	12214.1	17133.3	22052.4	24975.7	27898.5
5503.6	52.5°	5928.7	8892.0	11855.6	17661.7	23467.5	27780.3	32093.1
5399.2	55°	5731.5	8423.2	11115.0	17545.3	23975.2	30266.8	36558.7
5275.4	57.5°	5510.2	7762.3	10014.1	16725.7	23437.6	32029.0	40620.4
5086.2	60°	5270.7	6904.1	8537.5	15200.3	21863.2	32469.4	43075.2
4757.2	62.5°	4879.8	5877.1	6874.3	13137.8	19401.4	30615.1	41828.7
4429.6	65°	4487.5	4953.0	5418.5	11033.5	16648.9	27991.3	39333.8
3964.9	67.5°	3932.5	4064.9	4197.1	8972.1	13747.1	24869.0	35990.9
3404.4	70°	3254.4	3216.9	3179.1	7064.3	10949.4	21462.1	31974.8
2893.0	72.5°	2680.5	2566.2	2452.3	5400.6	8349.0	17768.7	27188.8
2348.9	75°	2110.9	2007.5	1904.2	3919.7	5935.3	13534.9	21134.5
1837.9	77.5°	1606.8	1536.2	1466.0	2656.1	3846.2	9473.2	15100.3
1353.2	80°	1157.4	1128.2	1099.1	1711.3	2323.8	6103.4	9883.0
940.4	82.5°	796.3	790.5	785.4	1052.5	1320.4	3532.5	5744.9
575.0	85°	469.5	472.4	475.0	562.7	650.7	1589.0	2527.6
246.0	87.5°	203.1	205.6	208.2	233.3	258.4	520.4	782.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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