

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: P953723

Luminaire Tested: **GALN-SB7A-940-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7A-940-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23034 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

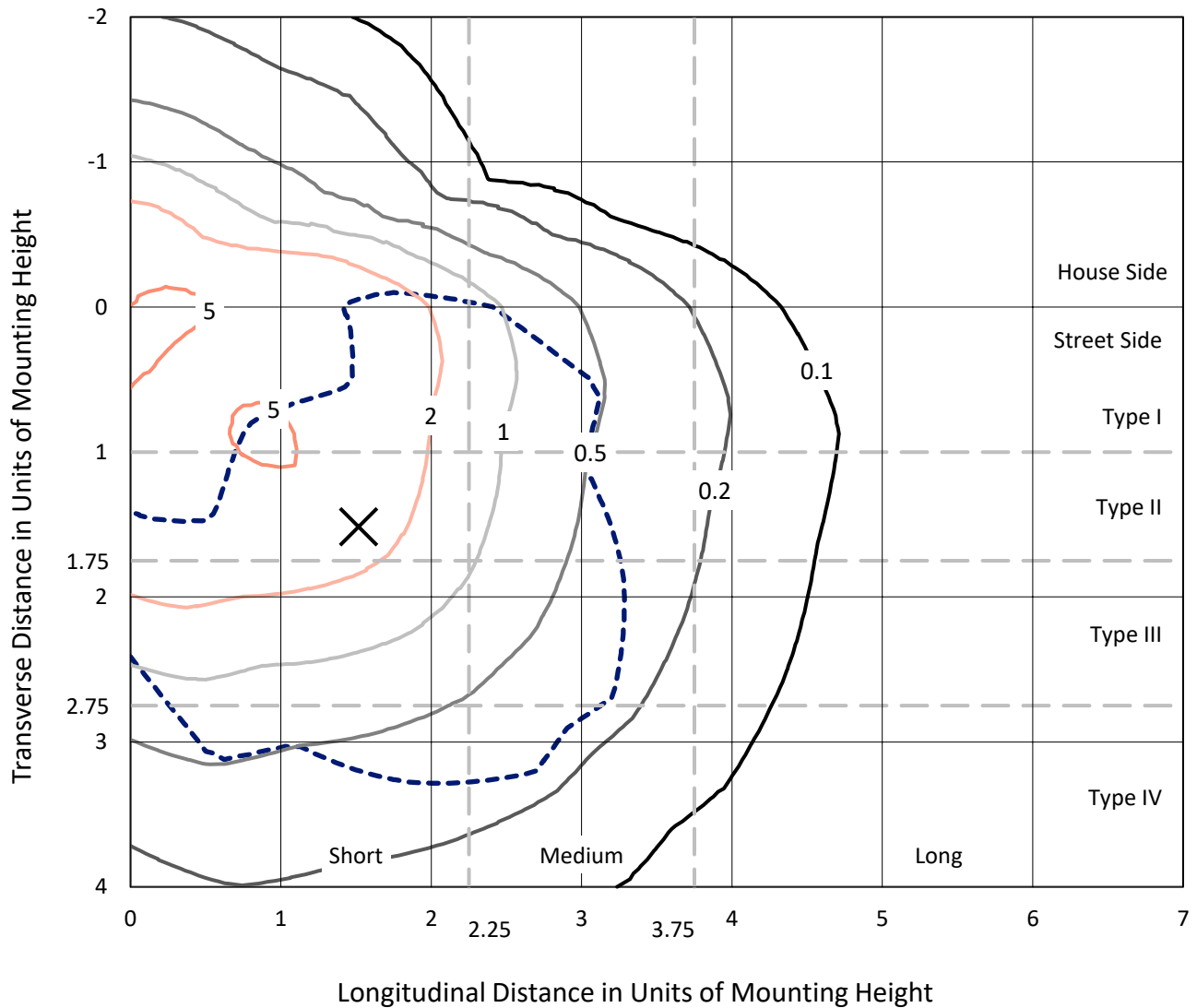
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

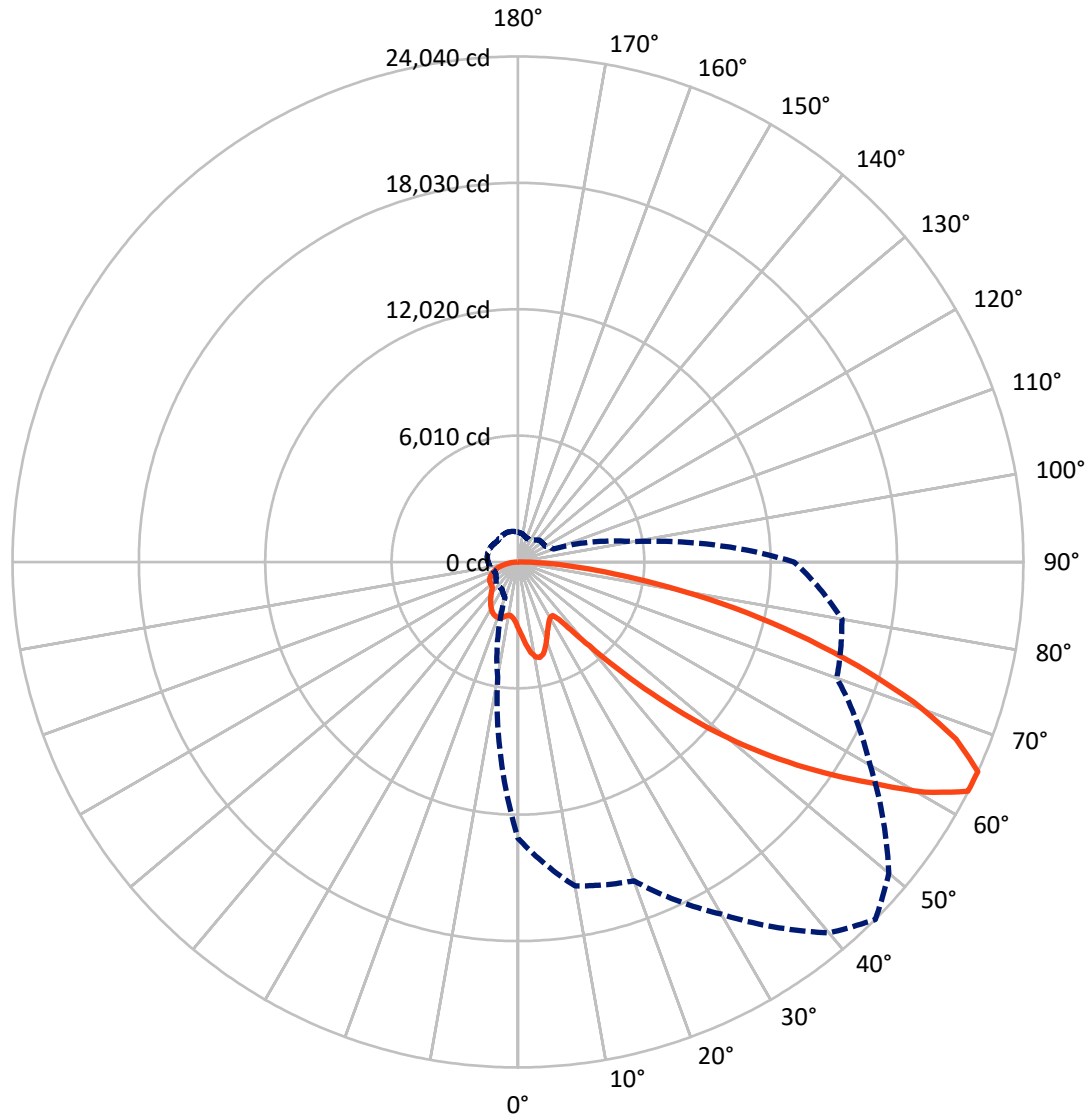
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	5854.1	0.0	5854.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	17179.9	0.0	17179.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	23034.0	0.0	23034.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.2	1.4
10°-20°	986.3	4.3
20°-30°	1523.6	6.6
30°-40°	1930.7	8.4
40°-50°	2912.0	12.6
50°-60°	4704.8	20.4
60°-70°	5865.3	25.5
70°-80°	3846.2	16.7
80°-90°	950.9	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°	23034.0	100.0
0°-180°	23034.0	100.0



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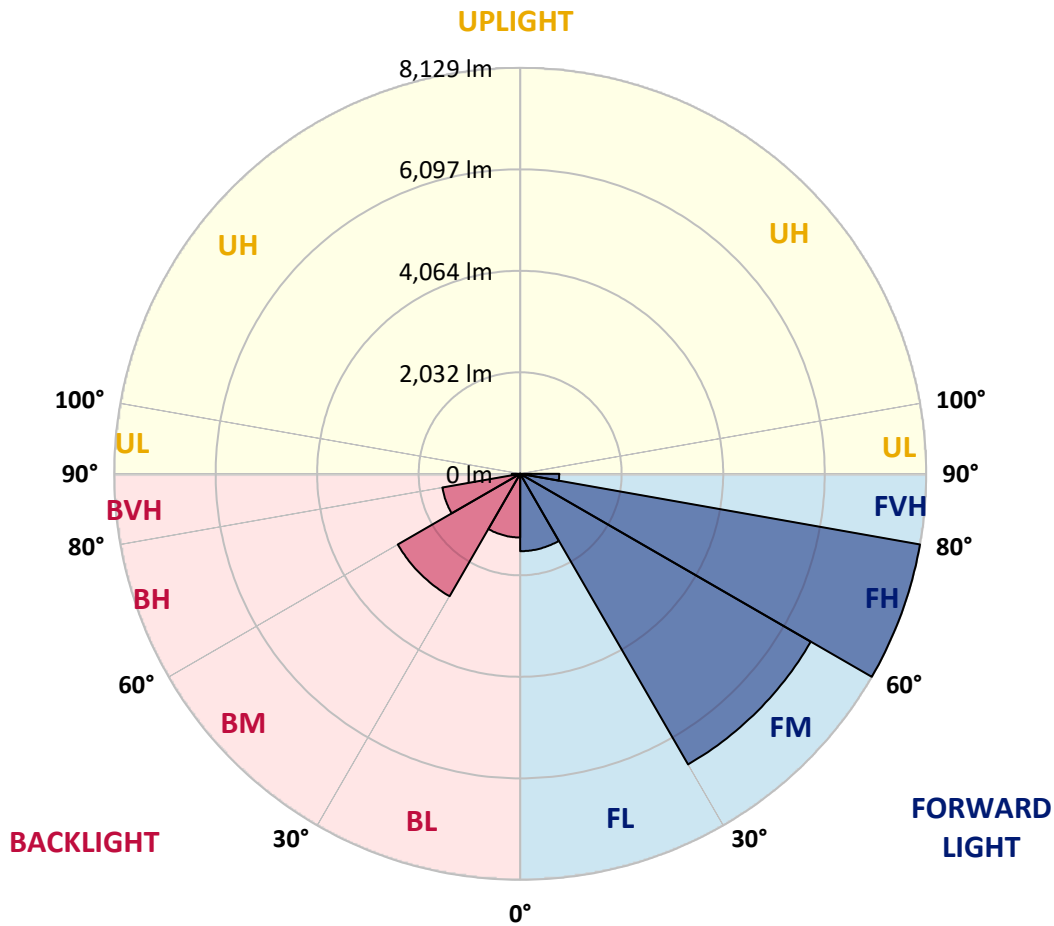
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1549.3	6.7			
FM (30°-60°)	6718.5	29.2			
FH (60°-80°)	8128.8	35.3			G4/12000
FVH (80°-90°)	783.3	3.4			G5
BL (0°-30°)	1274.8	5.5	B3/2500		
BM (30°-60°)	2829.0	12.3	B3/5000		
BH (60°-80°)	1582.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	167.6	0.7			G2/225
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°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
2.5°	3406.2	3419.1	3432.1	3450.4	3468.8	3479.7	3490.7	3496.1	3501.6	3499.2
5°	3662.7	3707.7	3753.0	3797.7	3842.5	3866.8	3891.2	3905.9	3920.7	3931.9
7.5°	3920.3	3993.7	4067.0	4133.0	4199.0	4238.8	4278.5	4300.0	4321.4	4331.7
10°	4117.8	4204.6	4291.4	4368.8	4446.2	4493.1	4539.8	4560.7	4581.5	4589.4
12.5°	4238.8	4332.8	4426.8	4496.8	4566.6	4600.6	4634.6	4646.0	4657.5	4658.7
15°	4312.3	4393.5	4474.6	4518.4	4562.4	4563.6	4564.9	4552.7	4540.6	4526.2
17.5°	4353.6	4408.4	4463.2	4464.1	4464.8	4415.6	4366.4	4321.3	4276.1	4244.2
20°	4399.2	4418.3	4437.5	4379.8	4322.0	4213.4	4104.7	4025.6	3946.5	3897.8
22.5°	4452.1	4427.0	4402.0	4282.4	4162.8	4003.0	3843.1	3744.2	3645.3	3591.6
25°	4520.1	4441.1	4362.1	4180.5	3999.0	3804.9	3610.8	3506.7	3402.9	3352.1
27.5°	4612.5	4471.3	4329.9	4089.4	3849.0	3633.8	3418.7	3316.4	3214.2	3166.2
30°	4737.1	4526.5	4315.9	4019.9	3723.8	3499.7	3275.5	3180.6	3085.7	3041.0
32.5°	4884.1	4595.7	4307.4	3972.5	3637.5	3426.9	3216.2	3141.7	3067.1	3034.9
35°	5062.8	4709.9	4357.0	4008.0	3659.0	3512.7	3366.5	3349.1	3331.7	3329.0
37.5°	5363.6	4948.4	4533.3	4216.0	3898.8	3889.3	3879.9	3959.3	4038.8	4080.2
40°	5818.2	5366.7	4915.1	4679.2	4443.3	4609.8	4776.3	4969.6	5162.8	5259.1
42.5°	6421.0	5973.0	5525.0	5389.2	5253.3	5616.4	5979.6	6331.1	6682.6	6889.0
45°	7165.5	6763.1	6360.5	6300.6	6240.6	6822.4	7404.3	7981.9	8559.6	8910.2
47.5°	8096.5	7705.0	7313.4	7301.2	7289.1	8128.5	8967.6	9813.1	10658.6	11155.1
50°	9316.8	8833.2	8349.7	8351.7	8353.8	9435.5	10517.2	11633.4	12749.5	13424.3
52.5°	10717.5	10131.9	9546.5	9487.3	9428.0	10720.1	12012.2	13393.2	14774.0	15582.8
55°	12208.9	11630.3	11051.8	10821.0	10590.2	12028.2	13466.2	15112.5	16758.8	17720.8
57.5°	13565.3	13250.2	12935.1	12472.1	12009.3	13461.3	14913.4	16778.1	18642.7	19835.6
60°	14385.1	14874.4	15363.8	14788.9	14214.0	15588.2	16962.3	18958.8	20955.2	22244.5
62.5°	13968.8	15305.9	16642.9	16578.1	16513.2	17772.1	19031.0	20930.4	22829.8	24021.5
65°	13135.6	14390.5	15645.4	15893.7	16141.9	17741.7	19341.5	21183.4	23025.1	24039.7
67.5°	12019.2	13212.8	14406.3	14522.8	14639.1	16305.9	17972.6	19822.3	21672.1	22467.0
70°	10678.0	11976.2	13274.5	13326.5	13378.7	14869.3	16359.7	17951.6	19543.3	19985.1
72.5°	9079.8	10569.5	12059.4	12096.8	12134.1	13300.3	14466.5	15658.7	16850.8	16895.5
75°	7057.9	8599.8	10141.7	10280.1	10418.5	11325.9	12233.2	13072.4	13911.6	13686.8
77.5°	5042.8	6482.1	7921.5	8119.6	8317.7	9007.4	9697.2	10292.4	10887.7	10501.2
80°	3300.5	4511.4	5722.2	5968.4	6214.7	6735.6	7256.3	7568.9	7881.4	7259.7
82.5°	1918.5	2746.4	3574.3	3849.3	4124.5	4483.1	4841.6	4972.0	5102.3	4613.7
85°	844.1	1283.5	1722.9	1956.8	2190.8	2485.4	2779.9	2853.9	2927.9	2536.6
87.5°	261.3	409.0	556.7	687.2	817.7	965.0	1112.3	1118.7	1124.9	944.4
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°
3167.4	0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
3501.6	2.5°	3496.1	3490.7	3479.7	3468.8	3450.4	3432.1	3419.1	3406.2	3380.1	3353.9
3920.7	5°	3905.9	3891.2	3866.8	3842.5	3797.7	3753.0	3707.7	3662.7	3604.9	3547.2
4321.4	7.5°	4300.0	4278.5	4238.8	4199.0	4133.0	4067.0	3993.7	3920.3	3825.0	3729.9
4581.5	10°	4560.7	4539.8	4493.1	4446.2	4368.8	4291.4	4204.6	4117.8	3997.4	3876.9
4657.5	12.5°	4646.0	4634.6	4600.6	4566.6	4496.8	4426.8	4332.8	4238.8	4106.4	3974.2
4540.6	15°	4552.7	4564.9	4563.6	4562.4	4518.4	4474.6	4393.5	4312.3	4174.3	4036.4
4276.1	17.5°	4321.3	4366.4	4415.6	4464.8	4464.1	4463.2	4408.4	4353.6	4213.7	4073.8
3946.5	20°	4025.6	4104.7	4213.4	4322.0	4379.8	4437.5	4418.3	4399.2	4253.8	4108.3
3645.3	22.5°	3744.2	3843.1	4003.0	4162.8	4282.4	4402.0	4427.0	4452.1	4303.5	4154.9
3402.9	25°	3506.7	3610.8	3804.9	3999.0	4180.5	4362.1	4441.1	4520.1	4374.5	4229.0
3214.2	27.5°	3316.4	3418.7	3633.8	3849.0	4089.4	4329.9	4471.3	4612.5	4473.7	4334.8
3085.7	30°	3180.6	3275.5	3499.7	3723.8	4019.9	4315.9	4526.5	4737.1	4602.9	4468.8
3067.1	32.5°	3141.7	3216.2	3426.9	3637.5	3972.5	4307.4	4595.7	4884.1	4751.3	4618.6
3331.7	35°	3349.1	3366.5	3512.7	3659.0	4008.0	4357.0	4709.9	5062.8	4935.7	4808.4
4038.8	37.5°	3959.3	3879.9	3889.3	3898.8	4216.0	4533.3	4948.4	5363.6	5201.5	5039.4
5162.8	40°	4969.6	4776.3	4609.8	4443.3	4679.2	4915.1	5366.7	5818.2	5581.9	5345.6
6682.6	42.5°	6331.1	5979.6	5616.4	5253.3	5389.2	5525.0	5973.0	6421.0	6080.0	5738.9
8559.6	45°	7981.9	7404.3	6822.4	6240.6	6300.6	6360.5	6763.1	7165.5	6705.4	6245.4
10658.6	47.5°	9813.1	8967.6	8128.5	7289.1	7301.2	7313.4	7705.0	8096.5	7449.0	6801.5
12749.5	50°	11633.4	10517.2	9435.5	8353.8	8351.7	8349.7	8833.2	9316.8	8340.7	7364.4
14774.0	52.5°	13393.2	12012.2	10720.1	9428.0	9487.3	9546.5	10131.9	10717.5	9277.3	7837.0
16758.8	55°	15112.5	13466.2	12028.2	10590.2	10821.0	11051.8	11630.3	12208.9	10107.6	8006.6
18642.7	57.5°	16778.1	14913.4	13461.3	12009.3	12472.1	12935.1	13250.2	13565.3	10696.1	7827.0
20955.2	60°	18958.8	16962.3	15588.2	14214.0	14788.9	15363.8	14874.4	14385.1	10843.2	7301.2
22829.8	62.5°	20930.4	19031.0	17772.1	16513.2	16578.1	16642.9	15305.9	13968.8	10224.0	6479.1
23025.1	65°	21183.4	19341.5	17741.7	16141.9	15893.7	15645.4	14390.5	13135.6	9347.8	5559.9
21672.1	67.5°	19822.3	17972.6	16305.9	14639.1	14522.8	14406.3	13212.8	12019.2	8305.1	4590.9
19543.3	70°	17951.6	16359.7	14869.3	13378.7	13326.5	13274.5	11976.2	10678.0	7167.3	3656.6
16850.8	72.5°	15658.7	14466.5	13300.3	12134.1	12096.8	12059.4	10569.5	9079.8	5933.9	2788.2
13911.6	75°	13072.4	12233.2	11325.9	10418.5	10280.1	10141.7	8599.8	7057.9	4520.0	1982.1
10887.7	77.5°	10292.4	9697.2	9007.4	8317.7	8119.6	7921.5	6482.1	5042.8	3163.6	1284.5
7881.4	80°	7568.9	7256.3	6735.6	6214.7	5968.4	5722.2	4511.4	3300.5	2038.3	776.0
5102.3	82.5°	4972.0	4841.6	4483.1	4124.5	3849.3	3574.3	2746.4	1918.5	1179.7	441.0
2927.9	85°	2853.9	2779.9	2485.4	2190.8	1956.8	1722.9	1283.5	844.1	530.7	217.3
1124.9	87.5°	1118.7	1112.3	965.0	817.7	687.2	556.7	409.0	261.3	173.8	86.3
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3167.4	0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
3326.1	2.5°	3298.4	3270.4	3242.5	3215.7	3189.0	3163.1	3134.3	3111.0	3087.8	3066.7
3489.6	5°	3432.1	3374.1	3316.3	3262.2	3208.1	3157.0	3106.6	3062.6	3018.5	2981.5
3641.9	7.5°	3553.9	3468.2	3382.5	3307.0	3231.5	3161.9	3096.6	3038.1	2979.6	2931.0
3760.6	10°	3644.4	3540.4	3436.2	3347.0	3257.6	3171.6	3101.5	3039.8	2978.0	2929.4
3842.4	12.5°	3710.7	3587.9	3465.2	3364.1	3263.1	3172.8	3107.6	3057.0	3006.7	2974.4
3893.5	15°	3750.5	3609.2	3467.8	3350.9	3234.0	3133.9	3081.7	3057.5	3033.4	3037.8
3917.9	17.5°	3762.0	3597.9	3433.8	3293.2	3152.5	3034.9	3002.7	3011.6	3020.3	3073.3
3937.0	20°	3765.6	3566.8	3367.9	3193.6	3019.3	2882.4	2873.9	2915.2	2956.5	3048.5
3962.7	22.5°	3770.5	3528.6	3286.7	3076.8	2866.9	2711.0	2727.6	2788.8	2849.9	2954.9
4009.4	25°	3789.7	3490.9	3192.3	2946.4	2700.7	2540.8	2585.8	2656.3	2726.8	2821.2
4082.3	27.5°	3829.8	3465.8	3101.7	2827.2	2552.6	2407.1	2461.8	2529.9	2598.0	2675.6
4176.8	30°	3884.7	3454.0	3023.0	2727.5	2432.0	2309.9	2352.8	2406.8	2461.0	2525.4
4275.3	32.5°	3932.1	3439.4	2946.4	2641.6	2336.6	2238.2	2257.3	2289.2	2321.2	2372.6
4387.7	35°	3966.9	3411.9	2857.2	2557.1	2257.0	2175.0	2167.1	2175.8	2184.7	2224.0
4513.4	37.5°	3987.5	3364.9	2742.2	2457.7	2173.2	2101.5	2072.5	2062.8	2053.1	2081.3
4673.2	40°	4000.5	3300.1	2599.8	2339.1	2078.4	2013.3	1969.0	1947.0	1925.0	1945.3
4882.1	42.5°	4025.2	3233.2	2441.5	2208.2	1974.8	1914.9	1859.0	1829.8	1800.6	1817.2
5157.0	45°	4068.6	3171.1	2273.8	2069.1	1864.4	1803.7	1749.6	1721.2	1692.8	1706.7
5449.9	47.5°	4098.4	3119.9	2141.3	1959.1	1776.9	1698.5	1652.0	1628.2	1604.3	1617.5
5721.7	50°	4078.9	3063.9	2048.9	1886.1	1723.2	1620.1	1566.1	1544.9	1523.9	1544.3
5898.2	52.5°	3959.2	2969.5	1979.9	1838.0	1696.1	1577.6	1502.0	1481.1	1460.3	1491.1
5859.3	55°	3711.9	2813.0	1914.0	1803.1	1692.1	1581.9	1468.0	1434.9	1402.0	1445.6
5585.6	57.5°	3344.2	2592.2	1840.1	1761.7	1683.4	1586.1	1447.6	1399.4	1351.3	1398.2
5076.2	60°	2851.1	2305.6	1760.2	1698.5	1636.9	1572.7	1428.4	1366.0	1303.5	1344.7
4387.4	62.5°	2295.7	1962.7	1629.6	1588.7	1547.8	1539.9	1406.0	1328.0	1250.1	1276.2
3684.7	65°	1809.5	1654.1	1498.6	1479.3	1460.0	1460.9	1358.8	1275.9	1192.9	1203.0
2996.2	67.5°	1401.6	1357.5	1313.3	1324.1	1334.8	1332.1	1274.7	1205.7	1136.7	1133.5
2359.1	70°	1061.7	1074.3	1086.8	1136.9	1186.9	1186.9	1168.0	1118.9	1069.8	1058.9
1803.6	72.5°	818.9	857.0	895.2	966.1	1037.0	1048.9	1049.1	1015.5	981.8	965.8
1309.0	75°	635.9	670.4	704.9	784.4	863.9	918.9	914.2	888.3	862.3	847.0
887.0	77.5°	489.6	513.0	536.6	613.8	691.0	781.5	779.1	758.3	737.5	722.0
571.5	80°	367.1	376.8	386.5	451.9	517.2	625.3	625.0	607.6	590.1	577.1
351.5	82.5°	262.3	264.0	265.9	314.1	362.2	454.6	459.7	451.2	442.7	433.4
187.9	85°	158.6	157.8	156.8	192.0	227.3	296.0	302.6	293.5	284.4	274.1
77.9	87.5°	69.5	68.7	67.8	82.2	96.6	125.2	133.7	130.0	126.4	124.5
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°
3167.4	0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
3045.8	2.5°	3027.5	3009.1	2990.7	2972.3	2958.1	2943.7	2932.2	2920.6	2911.6	2902.7
2944.7	5°	2912.1	2879.6	2850.0	2820.4	2797.6	2774.8	2758.9	2743.0	2731.6	2720.3
2882.4	7.5°	2841.4	2800.3	2764.1	2728.0	2700.9	2673.9	2655.0	2636.0	2623.0	2610.1
2880.8	10°	2836.7	2792.4	2751.7	2711.0	2678.7	2646.2	2625.1	2603.7	2591.4	2579.1
2942.3	12.5°	2907.5	2873.0	2830.8	2788.8	2747.4	2706.1	2678.8	2651.4	2637.7	2624.1
3042.2	15°	3033.2	3024.2	2987.6	2951.0	2892.2	2833.4	2791.8	2750.2	2731.2	2712.2
3126.3	17.5°	3154.5	3182.6	3153.0	3123.6	3045.7	2967.8	2906.5	2845.3	2817.1	2788.8
3140.6	20°	3199.6	3258.5	3244.9	3231.2	3142.1	3053.1	2978.0	2903.0	2866.9	2830.7
3060.2	22.5°	3136.9	3213.6	3221.8	3230.0	3144.9	3059.8	2982.5	2905.1	2867.0	2828.9
2915.8	25°	2991.3	3066.7	3094.9	3123.0	3053.2	2983.6	2914.8	2846.3	2813.2	2780.3
2753.2	27.5°	2813.7	2874.2	2905.6	2937.1	2887.3	2837.8	2784.4	2731.0	2708.9	2686.7
2589.8	30°	2640.0	2690.3	2715.8	2741.4	2703.6	2665.6	2627.5	2589.1	2577.8	2566.4
2424.1	32.5°	2472.3	2520.5	2548.8	2577.3	2542.5	2507.6	2477.1	2446.6	2439.2	2431.8
2263.1	35°	2310.7	2358.5	2392.5	2426.6	2401.8	2377.1	2348.9	2320.8	2309.5	2298.4
2109.4	37.5°	2156.9	2204.5	2246.6	2288.6	2277.2	2265.8	2239.9	2213.9	2193.3	2172.9
1965.6	40°	2011.5	2057.5	2105.8	2154.3	2157.1	2159.8	2137.8	2115.8	2085.9	2056.2
1833.8	42.5°	1877.3	1921.0	1973.2	2025.5	2039.5	2053.4	2034.8	2016.4	1979.3	1942.2
1720.8	45°	1762.1	1803.4	1857.6	1911.8	1931.9	1952.0	1935.2	1918.5	1876.1	1833.8
1630.5	47.5°	1671.0	1711.3	1764.8	1818.3	1841.4	1864.4	1852.8	1841.1	1803.4	1765.8
1564.8	50°	1603.0	1641.1	1688.9	1736.8	1766.5	1796.1	1795.4	1794.9	1764.8	1734.6
1521.7	52.5°	1556.7	1591.6	1636.2	1680.9	1716.0	1751.2	1757.5	1763.8	1739.3	1714.7
1489.1	55°	1526.8	1564.5	1603.6	1642.6	1679.8	1717.1	1725.9	1734.6	1713.3	1691.9
1445.1	57.5°	1489.4	1533.6	1572.3	1611.0	1648.6	1686.0	1694.9	1703.8	1682.1	1660.5
1385.8	60°	1436.6	1487.4	1526.7	1566.1	1603.7	1641.4	1651.1	1660.9	1639.7	1618.7
1302.3	62.5°	1361.5	1420.8	1462.8	1504.7	1539.2	1573.7	1583.1	1592.4	1573.4	1554.3
1213.0	65°	1276.4	1340.0	1380.1	1420.2	1450.6	1481.0	1490.6	1500.1	1481.7	1463.4
1130.3	67.5°	1188.9	1247.6	1285.7	1323.6	1349.8	1376.1	1385.5	1394.7	1377.8	1361.0
1047.9	70°	1099.5	1151.0	1183.8	1216.6	1240.3	1264.0	1273.0	1282.0	1268.3	1254.6
949.8	72.5°	990.4	1030.9	1060.6	1090.2	1113.4	1136.7	1147.4	1158.0	1146.6	1135.2
831.6	75°	861.7	891.9	918.7	945.6	966.7	987.9	999.1	1010.3	1004.7	999.1
706.4	77.5°	731.0	755.4	778.5	801.6	823.8	845.9	856.4	866.8	859.1	851.0
564.0	80°	584.4	604.7	624.1	643.6	660.5	677.2	691.1	704.9	701.5	698.3
424.2	82.5°	422.5	420.8	414.0	407.2	443.1	479.1	502.7	526.3	524.8	523.2
263.7	85°	255.0	246.1	227.3	208.4	242.1	275.9	305.1	334.2	331.8	329.4
122.5	87.5°	122.1	121.8	107.4	93.0	107.1	121.3	133.1	144.9	142.0	138.8
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3167.4	0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
2894.4	2.5°	2886.0	2875.7	2886.0	2894.4	2902.7	2911.6	2920.6	2932.2	2943.7	2958.1
2711.7	5°	2703.1	2694.6	2703.1	2711.7	2720.3	2731.6	2743.0	2758.9	2774.8	2797.6
2602.3	7.5°	2594.7	2588.8	2594.7	2602.3	2610.1	2623.0	2636.0	2655.0	2673.9	2700.9
2572.5	10°	2566.0	2563.3	2566.0	2572.5	2579.1	2591.4	2603.7	2625.1	2646.2	2678.7
2618.5	12.5°	2612.9	2611.9	2612.9	2618.5	2624.1	2637.7	2651.4	2678.8	2706.1	2747.4
2704.9	15°	2697.6	2697.0	2697.6	2704.9	2712.2	2731.2	2750.2	2791.8	2833.4	2892.2
2779.5	17.5°	2770.2	2768.7	2770.2	2779.5	2788.8	2817.1	2845.3	2906.5	2967.8	3045.7
2819.2	20°	2807.6	2804.0	2807.6	2819.2	2830.7	2866.9	2903.0	2978.0	3053.1	3142.1
2816.1	22.5°	2803.4	2797.9	2803.4	2816.1	2828.9	2867.0	2905.1	2982.5	3059.8	3144.9
2768.2	25°	2756.3	2749.3	2756.3	2768.2	2780.3	2813.2	2846.3	2914.8	2983.6	3053.2
2681.2	27.5°	2675.7	2673.9	2675.7	2681.2	2686.7	2708.9	2731.0	2784.4	2837.8	2887.3
2566.4	30°	2566.4	2568.2	2566.4	2566.4	2566.4	2577.8	2589.1	2627.5	2665.6	2703.6
2432.8	32.5°	2433.9	2435.7	2433.9	2432.8	2431.8	2439.2	2446.6	2477.1	2507.6	2542.5
2295.9	35°	2293.5	2292.3	2293.5	2295.9	2298.4	2309.5	2320.8	2348.9	2377.1	2401.8
2162.1	37.5°	2151.3	2145.2	2151.3	2162.1	2172.9	2193.3	2213.9	2239.9	2265.8	2277.2
2036.1	40°	2016.1	2004.2	2016.1	2036.1	2056.2	2085.9	2115.8	2137.8	2159.8	2157.1
1912.9	42.5°	1883.7	1864.4	1883.7	1912.9	1942.2	1979.3	2016.4	2034.8	2053.4	2039.5
1799.4	45°	1765.0	1742.9	1765.0	1799.4	1833.8	1876.1	1918.5	1935.2	1952.0	1931.9
1733.9	47.5°	1702.2	1680.9	1702.2	1733.9	1765.8	1803.4	1841.1	1852.8	1864.4	1841.4
1705.2	50°	1675.8	1655.4	1675.8	1705.2	1734.6	1764.8	1794.9	1795.4	1796.1	1766.5
1688.3	52.5°	1662.1	1643.2	1662.1	1688.3	1714.7	1739.3	1763.8	1757.5	1751.2	1716.0
1668.8	55°	1645.7	1628.7	1645.7	1668.8	1691.9	1713.3	1734.6	1725.9	1717.1	1679.8
1637.7	57.5°	1614.7	1597.1	1614.7	1637.7	1660.5	1682.1	1703.8	1694.9	1686.0	1648.6
1595.1	60°	1571.5	1553.3	1571.5	1595.1	1618.7	1639.7	1660.9	1651.1	1641.4	1603.7
1529.5	62.5°	1504.7	1482.8	1504.7	1529.5	1554.3	1573.4	1592.4	1583.1	1573.7	1539.2
1439.3	65°	1415.4	1396.5	1415.4	1439.3	1463.4	1481.7	1500.1	1490.6	1481.0	1450.6
1338.7	67.5°	1316.3	1299.3	1316.3	1338.7	1361.0	1377.8	1394.7	1385.5	1376.1	1349.8
1233.2	70°	1211.8	1192.3	1211.8	1233.2	1254.6	1268.3	1282.0	1273.0	1264.0	1240.3
1114.8	72.5°	1094.5	1075.6	1094.5	1114.8	1135.2	1146.6	1158.0	1147.4	1136.7	1113.4
981.9	75°	964.8	946.8	964.8	981.9	999.1	1004.7	1010.3	999.1	987.9	966.7
833.8	77.5°	816.5	802.2	816.5	833.8	851.0	859.1	866.8	856.4	845.9	823.8
675.0	80°	651.7	624.7	651.7	675.0	698.3	701.5	704.9	691.1	677.2	660.5
503.7	82.5°	484.0	466.7	484.0	503.7	523.2	524.8	526.3	502.7	479.1	443.1
314.1	85°	298.7	283.2	298.7	314.1	329.4	331.8	334.2	305.1	275.9	242.1
131.0	87.5°	123.0	115.5	123.0	131.0	138.8	142.0	144.9	133.1	121.3	107.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3167.4	0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
2972.3	2.5°	2990.7	3009.1	3027.5	3045.8	3066.7	3087.8	3111.0	3134.3	3163.1	3189.0
2820.4	5°	2850.0	2879.6	2912.1	2944.7	2981.5	3018.5	3062.6	3106.6	3157.0	3208.1
2728.0	7.5°	2764.1	2800.3	2841.4	2882.4	2931.0	2979.6	3038.1	3096.6	3161.9	3231.5
2711.0	10°	2751.7	2792.4	2836.7	2880.8	2929.4	2978.0	3039.8	3101.5	3171.6	3257.6
2788.8	12.5°	2830.8	2873.0	2907.5	2942.3	2974.4	3006.7	3057.0	3107.6	3172.8	3263.1
2951.0	15°	2987.6	3024.2	3033.2	3042.2	3037.8	3033.4	3057.5	3081.7	3133.9	3234.0
3123.6	17.5°	3153.0	3182.6	3154.5	3126.3	3073.3	3020.3	3011.6	3002.7	3034.9	3152.5
3231.2	20°	3244.9	3258.5	3199.6	3140.6	3048.5	2956.5	2915.2	2873.9	2882.4	3019.3
3230.0	22.5°	3221.8	3213.6	3136.9	3060.2	2954.9	2849.9	2788.8	2727.6	2711.0	2866.9
3123.0	25°	3094.9	3066.7	2991.3	2915.8	2821.2	2726.8	2656.3	2585.8	2540.8	2700.7
2937.1	27.5°	2905.6	2874.2	2813.7	2753.2	2675.6	2598.0	2529.9	2461.8	2407.1	2552.6
2741.4	30°	2715.8	2690.3	2640.0	2589.8	2525.4	2461.0	2406.8	2352.8	2309.9	2432.0
2577.3	32.5°	2548.8	2520.5	2472.3	2424.1	2372.6	2321.2	2289.2	2257.3	2238.2	2336.6
2426.6	35°	2392.5	2358.5	2310.7	2263.1	2224.0	2184.7	2175.8	2167.1	2175.0	2257.0
2288.6	37.5°	2246.6	2204.5	2156.9	2109.4	2081.3	2053.1	2062.8	2072.5	2101.5	2173.2
2154.3	40°	2105.8	2057.5	2011.5	1965.6	1945.3	1925.0	1947.0	1969.0	2013.3	2078.4
2025.5	42.5°	1973.2	1921.0	1877.3	1833.8	1817.2	1800.6	1829.8	1859.0	1914.9	1974.8
1911.8	45°	1857.6	1803.4	1762.1	1720.8	1706.7	1692.8	1721.2	1749.6	1803.7	1864.4
1818.3	47.5°	1764.8	1711.3	1671.0	1630.5	1617.5	1604.3	1628.2	1652.0	1698.5	1776.9
1736.8	50°	1688.9	1641.1	1603.0	1564.8	1544.3	1523.9	1544.9	1566.1	1620.1	1723.2
1680.9	52.5°	1636.2	1591.6	1556.7	1521.7	1491.1	1460.3	1481.1	1502.0	1577.6	1696.1
1642.6	55°	1603.6	1564.5	1526.8	1489.1	1445.6	1402.0	1434.9	1468.0	1581.9	1692.1
1611.0	57.5°	1572.3	1533.6	1489.4	1445.1	1398.2	1351.3	1399.4	1447.6	1586.1	1683.4
1566.1	60°	1526.7	1487.4	1436.6	1385.8	1344.7	1303.5	1366.0	1428.4	1572.7	1636.9
1504.7	62.5°	1462.8	1420.8	1361.5	1302.3	1276.2	1250.1	1328.0	1406.0	1539.9	1547.8
1420.2	65°	1380.1	1340.0	1276.4	1213.0	1203.0	1192.9	1275.9	1358.8	1460.9	1460.0
1323.6	67.5°	1285.7	1247.6	1188.9	1130.3	1133.5	1136.7	1205.7	1274.7	1332.1	1334.8
1216.6	70°	1183.8	1151.0	1099.5	1047.9	1058.9	1069.8	1118.9	1168.0	1186.9	1186.9
1090.2	72.5°	1060.6	1030.9	990.4	949.8	965.8	981.8	1015.5	1049.1	1048.9	1037.0
945.6	75°	918.7	891.9	861.7	831.6	847.0	862.3	888.3	914.2	918.9	863.9
801.6	77.5°	778.5	755.4	731.0	706.4	722.0	737.5	758.3	779.1	781.5	691.0
643.6	80°	624.1	604.7	584.4	564.0	577.1	590.1	607.6	625.0	625.3	517.2
407.2	82.5°	414.0	420.8	422.5	424.2	433.4	442.7	451.2	459.7	454.6	362.2
208.4	85°	227.3	246.1	255.0	263.7	274.1	284.4	293.5	302.6	296.0	227.3
93.0	87.5°	107.4	121.8	122.1	122.5	124.5	126.4	130.0	133.7	125.2	96.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
3167.4	0°	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4	3167.4
3215.7	2.5°	3242.5	3270.4	3298.4	3326.1	3353.9	3380.1	3406.2
3262.2	5°	3316.3	3374.1	3432.1	3489.6	3547.2	3604.9	3662.7
3307.0	7.5°	3382.5	3468.2	3553.9	3641.9	3729.9	3825.0	3920.3
3347.0	10°	3436.2	3540.4	3644.4	3760.6	3876.9	3997.4	4117.8
3364.1	12.5°	3465.2	3587.9	3710.7	3842.4	3974.2	4106.4	4238.8
3350.9	15°	3467.8	3609.2	3750.5	3893.5	4036.4	4174.3	4312.3
3293.2	17.5°	3433.8	3597.9	3762.0	3917.9	4073.8	4213.7	4353.6
3193.6	20°	3367.9	3566.8	3765.6	3937.0	4108.3	4253.8	4399.2
3076.8	22.5°	3286.7	3528.6	3770.5	3962.7	4154.9	4303.5	4452.1
2946.4	25°	3192.3	3490.9	3789.7	4009.4	4229.0	4374.5	4520.1
2827.2	27.5°	3101.7	3465.8	3829.8	4082.3	4334.8	4473.7	4612.5
2727.5	30°	3023.0	3454.0	3884.7	4176.8	4468.8	4602.9	4737.1
2641.6	32.5°	2946.4	3439.4	3932.1	4275.3	4618.6	4751.3	4884.1
2557.1	35°	2857.2	3411.9	3966.9	4387.7	4808.4	4935.7	5062.8
2457.7	37.5°	2742.2	3364.9	3987.5	4513.4	5039.4	5201.5	5363.6
2339.1	40°	2599.8	3300.1	4000.5	4673.2	5345.6	5581.9	5818.2
2208.2	42.5°	2441.5	3233.2	4025.2	4882.1	5738.9	6080.0	6421.0
2069.1	45°	2273.8	3171.1	4068.6	5157.0	6245.4	6705.4	7165.5
1959.1	47.5°	2141.3	3119.9	4098.4	5449.9	6801.5	7449.0	8096.5
1886.1	50°	2048.9	3063.9	4078.9	5721.7	7364.4	8340.7	9316.8
1838.0	52.5°	1979.9	2969.5	3959.2	5898.2	7837.0	9277.3	10717.5
1803.1	55°	1914.0	2813.0	3711.9	5859.3	8006.6	10107.6	12208.9
1761.7	57.5°	1840.1	2592.2	3344.2	5585.6	7827.0	10696.1	13565.3
1698.5	60°	1760.2	2305.6	2851.1	5076.2	7301.2	10843.2	14385.1
1588.7	62.5°	1629.6	1962.7	2295.7	4387.4	6479.1	10224.0	13968.8
1479.3	65°	1498.6	1654.1	1809.5	3684.7	5559.9	9347.8	13135.6
1324.1	67.5°	1313.3	1357.5	1401.6	2996.2	4590.9	8305.1	12019.2
1136.9	70°	1086.8	1074.3	1061.7	2359.1	3656.6	7167.3	10678.0
966.1	72.5°	895.2	857.0	818.9	1803.6	2788.2	5933.9	9079.8
784.4	75°	704.9	670.4	635.9	1309.0	1982.1	4520.0	7057.9
613.8	77.5°	536.6	513.0	489.6	887.0	1284.5	3163.6	5042.8
451.9	80°	386.5	376.8	367.1	571.5	776.0	2038.3	3300.5
314.1	82.5°	265.9	264.0	262.3	351.5	441.0	1179.7	1918.5
192.0	85°	156.8	157.8	158.6	187.9	217.3	530.7	844.1
82.2	87.5°	67.8	68.7	69.5	77.9	86.3	173.8	261.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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