

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: P951245

Luminaire Tested: **GALN-SB5B-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951245
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-SB5B-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19717 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

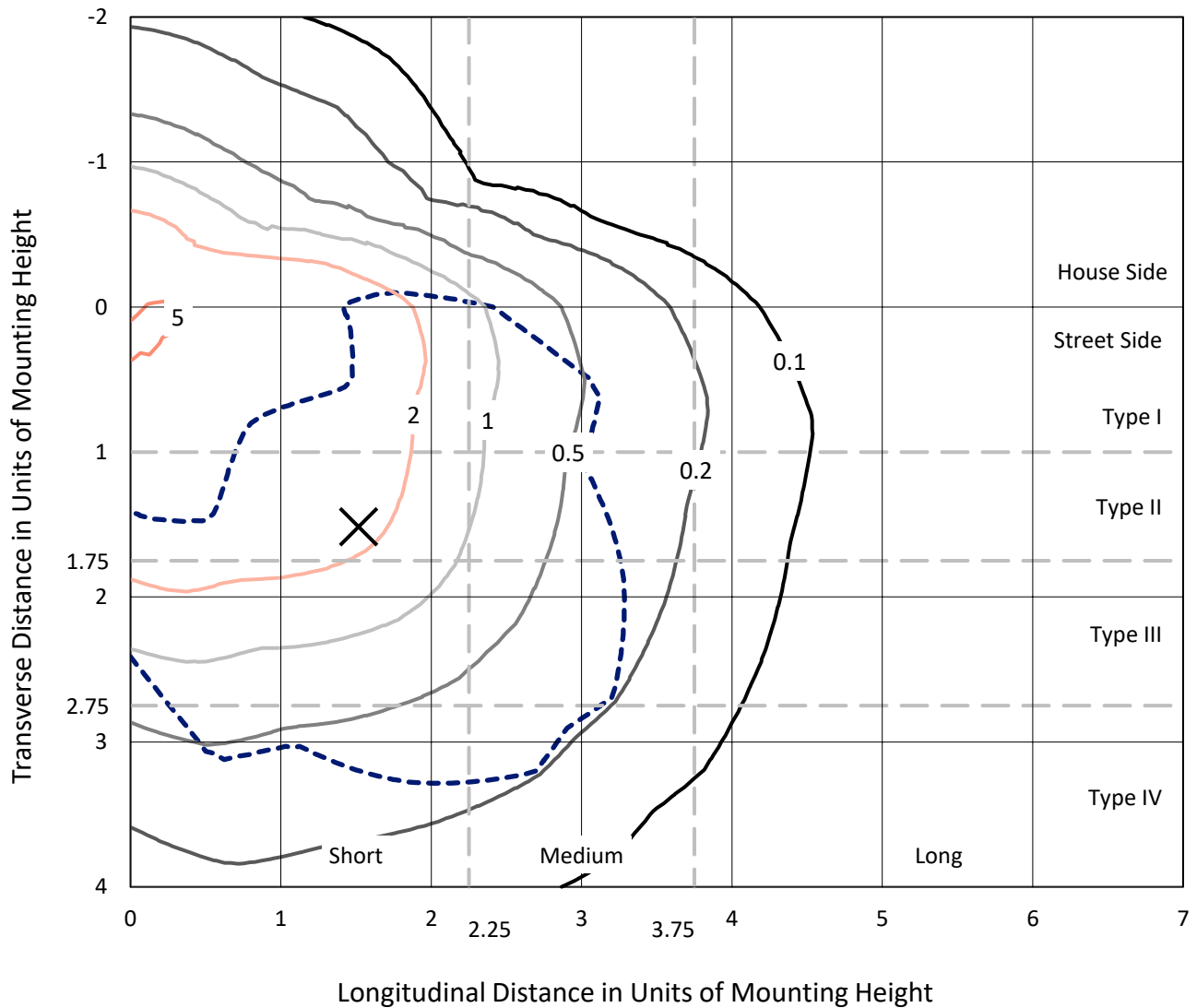
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

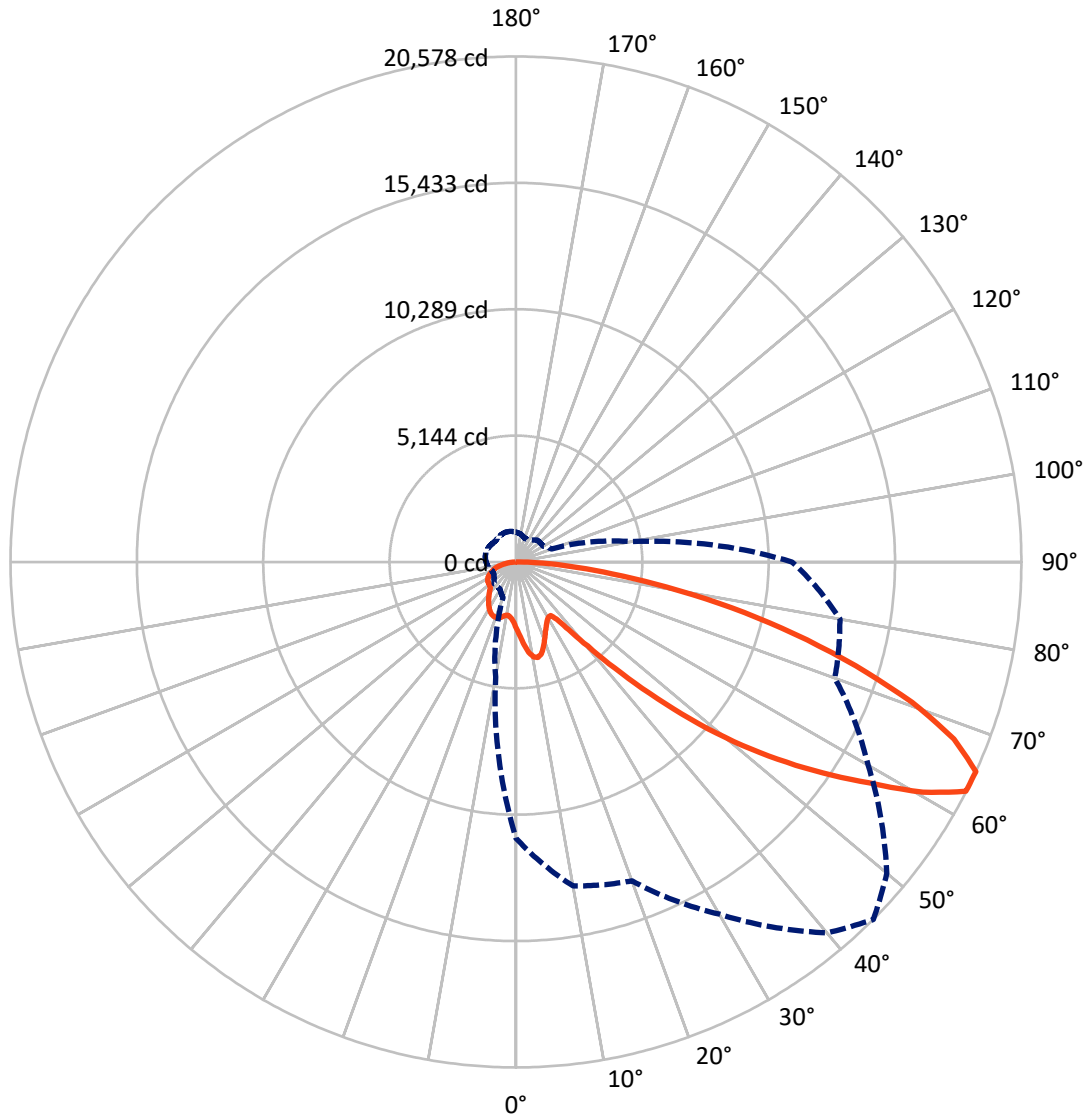
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	5011.1	0.0	5011.1
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14705.9	0.0	14705.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	19717.0	0.0	19717.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.0	1.4
10°-20°	844.3	4.3
20°-30°	1304.2	6.6
30°-40°	1652.7	8.4
40°-50°	2492.7	12.6
50°-60°	4027.3	20.4
60°-70°	5020.7	25.5
70°-80°	3292.3	16.7
80°-90°	813.9	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°	19717.0	100.0
0°-180°	19717.0	100.0



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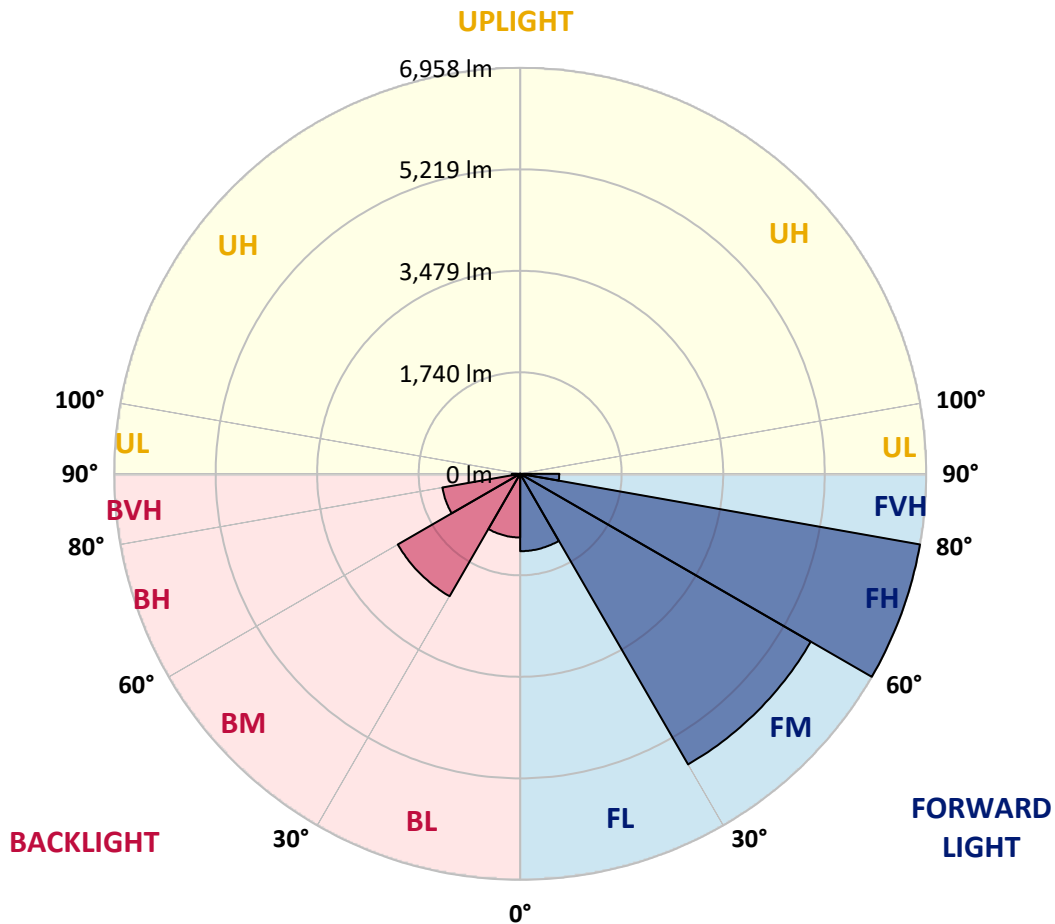
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1326.2	6.7			
FM (30°-60°)	5751.0	29.2			
FH (60°-80°)	6958.2	35.3			G3/7500
FVH (80°-90°)	670.5	3.4			G4/750
BL (0°-30°)	1091.2	5.5	B3/2500		
BM (30°-60°)	2421.7	12.3	B2/2500		
BH (60°-80°)	1354.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	143.4	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2.5°	2915.7	2926.7	2937.9	2953.6	2969.3	2978.6	2988.0	2992.7	2997.4	2995.3
5°	3135.2	3173.8	3212.5	3250.8	3289.2	3310.0	3330.8	3343.4	3356.1	3365.7
7.5°	3355.8	3418.6	3481.4	3537.8	3594.3	3628.4	3662.4	3680.8	3699.1	3708.0
10°	3524.8	3599.1	3673.4	3739.7	3806.0	3846.1	3886.1	3904.0	3921.8	3928.5
12.5°	3628.4	3708.9	3789.3	3849.2	3909.0	3938.1	3967.2	3977.0	3986.8	3987.8
15°	3691.3	3760.8	3830.2	3867.8	3905.4	3906.5	3907.5	3897.1	3886.7	3874.4
17.5°	3726.7	3773.6	3820.5	3821.2	3821.9	3779.7	3737.6	3699.0	3660.3	3633.0
20°	3765.7	3782.0	3798.5	3749.0	3699.6	3606.6	3513.6	3445.9	3378.1	3336.5
22.5°	3810.9	3789.5	3768.1	3665.7	3563.3	3426.5	3289.7	3205.0	3120.3	3074.4
25°	3869.2	3801.6	3734.0	3578.5	3423.1	3256.9	3090.8	3001.7	2912.9	2869.4
27.5°	3948.3	3827.4	3706.4	3500.5	3294.7	3110.6	2926.4	2838.8	2751.3	2710.2
30°	4054.9	3874.6	3694.4	3441.0	3187.5	2995.7	2803.9	2722.6	2641.3	2603.1
32.5°	4180.8	3933.9	3687.1	3400.4	3113.7	2933.4	2753.1	2689.3	2625.4	2597.9
35°	4333.7	4031.6	3729.6	3430.8	3132.1	3006.8	2881.7	2866.8	2851.9	2849.6
37.5°	4591.2	4235.8	3880.4	3608.9	3337.4	3329.2	3321.1	3389.2	3457.2	3492.6
40°	4980.3	4593.8	4207.3	4005.4	3803.5	3946.0	4088.5	4253.9	4419.4	4501.8
42.5°	5496.4	5112.9	4729.4	4613.1	4496.8	4807.6	5118.5	5419.4	5720.3	5896.9
45°	6133.6	5789.1	5444.6	5393.3	5341.9	5839.9	6338.1	6832.5	7326.9	7627.1
47.5°	6930.6	6595.5	6260.2	6249.8	6239.4	6957.9	7676.2	8400.0	9123.7	9548.7
50°	7975.1	7561.1	7147.3	7149.0	7150.8	8076.8	9002.7	9958.1	10913.5	11491.1
52.5°	9174.2	8672.9	8171.7	8121.1	8070.3	9176.3	10282.4	11464.5	12646.5	13338.8
55°	10450.7	9955.5	9460.3	9262.7	9065.1	10296.1	11527.0	12936.2	14345.4	15168.9
57.5°	11611.8	11342.1	11072.4	10676.1	10279.9	11522.8	12765.8	14362.0	15958.0	16979.2
60°	12313.5	12732.4	13151.4	12659.3	12167.2	13343.4	14519.7	16228.6	17937.6	19041.2
62.5°	11957.2	13101.7	14246.3	14190.8	14135.3	15212.8	16290.4	17916.4	19542.2	20562.3
65°	11244.0	12318.2	13392.4	13605.0	13817.4	15186.8	16556.3	18132.9	19709.4	20577.9
67.5°	10288.4	11310.1	12331.7	12431.4	12531.0	13957.8	15384.5	16967.8	18551.2	19231.6
70°	9140.3	10251.6	11362.9	11407.5	11452.1	12728.0	14003.9	15366.5	16729.0	17107.1
72.5°	7772.2	9047.4	10322.8	10354.8	10386.7	11385.0	12383.2	13403.8	14424.2	14462.5
75°	6041.5	7361.4	8681.2	8799.7	8918.2	9694.9	10471.5	11189.9	11908.3	11715.8
77.5°	4316.6	5548.6	6780.7	6950.3	7119.9	7710.3	8300.8	8810.2	9319.8	8989.0
80°	2825.2	3861.7	4898.2	5108.9	5319.7	5765.6	6211.3	6478.9	6746.4	6214.3
82.5°	1642.3	2350.9	3059.6	3295.0	3530.6	3837.5	4144.4	4256.0	4367.6	3949.3
85°	722.6	1098.7	1474.8	1675.0	1875.3	2127.5	2379.6	2442.9	2506.3	2171.3
87.5°	223.7	350.1	476.5	588.2	700.0	826.1	952.2	957.6	962.9	808.4
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°
2711.3	0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2997.4	2.5°	2992.7	2988.0	2978.6	2969.3	2953.6	2937.9	2926.7	2915.7	2893.3	2871.0
3356.1	5°	3343.4	3330.8	3310.0	3289.2	3250.8	3212.5	3173.8	3135.2	3085.8	3036.4
3699.1	7.5°	3680.8	3662.4	3628.4	3594.3	3537.8	3481.4	3418.6	3355.8	3274.2	3192.7
3921.8	10°	3904.0	3886.1	3846.1	3806.0	3739.7	3673.4	3599.1	3524.8	3421.7	3318.6
3986.8	12.5°	3977.0	3967.2	3938.1	3909.0	3849.2	3789.3	3708.9	3628.4	3515.1	3401.9
3886.7	15°	3897.1	3907.5	3906.5	3905.4	3867.8	3830.2	3760.8	3691.3	3573.2	3455.1
3660.3	17.5°	3699.0	3737.6	3779.7	3821.9	3821.2	3820.5	3773.6	3726.7	3606.9	3487.2
3378.1	20°	3445.9	3513.6	3606.6	3699.6	3749.0	3798.5	3782.0	3765.7	3641.3	3516.7
3120.3	22.5°	3205.0	3289.7	3426.5	3563.3	3665.7	3768.1	3789.5	3810.9	3683.8	3556.6
2912.9	25°	3001.7	3090.8	3256.9	3423.1	3578.5	3734.0	3801.6	3869.2	3744.6	3620.0
2751.3	27.5°	2838.8	2926.4	3110.6	3294.7	3500.5	3706.4	3827.4	3948.3	3829.5	3710.6
2641.3	30°	2722.6	2803.9	2995.7	3187.5	3441.0	3694.4	3874.6	4054.9	3940.1	3825.3
2625.4	32.5°	2689.3	2753.1	2933.4	3113.7	3400.4	3687.1	3933.9	4180.8	4067.1	3953.5
2851.9	35°	2866.8	2881.7	3006.8	3132.1	3430.8	3729.6	4031.6	4333.7	4224.9	4116.0
3457.2	37.5°	3389.2	3321.1	3329.2	3337.4	3608.9	3880.4	4235.8	4591.2	4452.5	4313.7
4419.4	40°	4253.9	4088.5	3946.0	3803.5	4005.4	4207.3	4593.8	4980.3	4778.1	4575.8
5720.3	42.5°	5419.4	5118.5	4807.6	4496.8	4613.1	4729.4	5112.9	5496.4	5204.4	4912.5
7326.9	45°	6832.5	6338.1	5839.9	5341.9	5393.3	5444.6	5789.1	6133.6	5739.8	5346.0
9123.7	47.5°	8400.0	7676.2	6957.9	6239.4	6249.8	6260.2	6595.5	6930.6	6376.3	5822.0
10913.5	50°	9958.1	9002.7	8076.8	7150.8	7149.0	7147.3	7561.1	7975.1	7139.6	6303.9
12646.5	52.5°	11464.5	10282.4	9176.3	8070.3	8121.1	8171.7	8672.9	9174.2	7941.3	6708.4
14345.4	55°	12936.2	11527.0	10296.1	9065.1	9262.7	9460.3	9955.5	10450.7	8652.1	6853.6
15958.0	57.5°	14362.0	12765.8	11522.8	10279.9	10676.1	11072.4	11342.1	11611.8	9155.9	6699.9
17937.6	60°	16228.6	14519.7	13343.4	12167.2	12659.3	13151.4	12732.4	12313.5	9281.7	6249.8
19542.2	62.5°	17916.4	16290.4	15212.8	14135.3	14190.8	14246.3	13101.7	11957.2	8751.7	5546.1
19709.4	65°	18132.9	16556.3	15186.8	13817.4	13605.0	13392.4	12318.2	11244.0	8001.6	4759.3
18551.2	67.5°	16967.8	15384.5	13957.8	12531.0	12431.4	12331.7	11310.1	10288.4	7109.1	3929.8
16729.0	70°	15366.5	14003.9	12728.0	11452.1	11407.5	11362.9	10251.6	9140.3	6135.2	3130.0
14424.2	72.5°	13403.8	12383.2	11385.0	10386.7	10354.8	10322.8	9047.4	7772.2	5079.4	2386.7
11908.3	75°	11189.9	10471.5	9694.9	8918.2	8799.7	8681.2	7361.4	6041.5	3869.1	1696.7
9319.8	77.5°	8810.2	8300.8	7710.3	7119.9	6950.3	6780.7	5548.6	4316.6	2708.0	1099.5
6746.4	80°	6478.9	6211.3	5765.6	5319.7	5108.9	4898.2	3861.7	2825.2	1744.7	664.3
4367.6	82.5°	4256.0	4144.4	3837.5	3530.6	3295.0	3059.6	2350.9	1642.3	1009.8	377.5
2506.3	85°	2442.9	2379.6	2127.5	1875.3	1675.0	1474.8	1098.7	722.6	454.2	186.0
962.9	87.5°	957.6	952.2	826.1	700.0	588.2	476.5	350.1	223.7	148.8	73.9
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°
2711.3	0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2847.1	2.5°	2823.4	2799.5	2775.6	2752.7	2729.8	2707.6	2683.0	2663.0	2643.1	2625.1
2987.1	5°	2937.9	2888.2	2838.7	2792.4	2746.1	2702.4	2659.2	2621.6	2583.8	2552.2
3117.4	7.5°	3042.1	2968.8	2895.4	2830.8	2766.2	2706.6	2650.7	2600.6	2550.5	2508.9
3219.1	10°	3119.6	3030.6	2941.4	2865.0	2788.5	2714.9	2654.9	2602.0	2549.2	2507.5
3289.1	12.5°	3176.3	3071.2	2966.2	2879.7	2793.2	2715.9	2660.1	2616.8	2573.7	2546.0
3332.8	15°	3210.4	3089.4	2968.4	2868.4	2768.3	2682.6	2637.9	2617.2	2596.6	2600.4
3353.7	17.5°	3220.2	3079.8	2939.3	2818.9	2698.6	2597.9	2570.3	2577.9	2585.4	2630.7
3370.0	20°	3223.3	3053.1	2882.9	2733.7	2584.5	2467.3	2460.0	2495.4	2530.7	2609.5
3392.1	22.5°	3227.5	3020.5	2813.4	2633.7	2454.1	2320.6	2334.8	2387.2	2439.5	2529.4
3432.0	25°	3243.9	2988.2	2732.6	2522.1	2311.7	2174.9	2213.4	2273.8	2334.1	2415.0
3494.5	27.5°	3278.3	2966.7	2655.1	2420.1	2185.0	2060.5	2107.3	2165.6	2223.8	2290.3
3575.3	30°	3325.3	2956.6	2587.7	2334.7	2081.8	1977.3	2014.0	2060.2	2106.6	2161.7
3659.7	32.5°	3365.9	2944.1	2522.1	2261.2	2000.2	1915.9	1932.2	1959.6	1986.9	2030.9
3755.8	35°	3395.6	2920.6	2445.7	2188.9	1932.0	1861.8	1855.0	1862.5	1870.1	1903.7
3863.5	37.5°	3413.3	2880.3	2347.3	2103.8	1860.2	1798.8	1774.1	1765.8	1757.4	1781.6
4000.2	40°	3424.4	2824.9	2225.4	2002.2	1779.1	1723.4	1685.4	1666.6	1647.8	1665.1
4179.0	42.5°	3445.6	2767.6	2089.9	1890.2	1690.4	1639.1	1591.3	1566.3	1541.3	1555.5
4414.4	45°	3482.7	2714.5	1946.4	1771.2	1596.0	1543.9	1497.6	1473.3	1449.1	1460.9
4665.1	47.5°	3508.2	2670.6	1833.0	1677.0	1521.1	1453.9	1414.1	1393.7	1373.3	1384.6
4897.7	50°	3491.6	2622.7	1753.9	1614.5	1475.1	1386.8	1340.5	1322.4	1304.4	1321.9
5048.8	52.5°	3389.1	2541.9	1694.8	1573.3	1451.9	1350.4	1285.7	1267.8	1250.0	1276.4
5015.5	55°	3177.4	2407.9	1638.4	1543.4	1448.4	1354.1	1256.6	1228.3	1200.1	1237.4
4781.2	57.5°	2862.6	2218.9	1575.2	1508.0	1440.9	1357.7	1239.1	1197.9	1156.7	1196.9
4345.2	60°	2440.5	1973.6	1506.7	1453.9	1401.2	1346.3	1222.7	1169.3	1115.8	1151.1
3755.6	62.5°	1965.1	1680.0	1395.0	1359.9	1324.9	1318.2	1203.5	1136.7	1070.0	1092.4
3154.0	65°	1548.9	1415.9	1282.8	1266.3	1249.7	1250.5	1163.2	1092.2	1021.1	1029.8
2564.8	67.5°	1199.8	1162.0	1124.1	1133.4	1142.6	1140.3	1091.2	1032.1	973.0	970.3
2019.4	70°	908.8	919.6	930.3	973.2	1015.9	1015.9	999.8	957.8	915.8	906.4
1543.8	72.5°	701.0	733.6	766.2	827.0	887.7	897.9	898.1	869.2	840.4	826.7
1120.5	75°	544.3	573.9	603.4	671.5	739.5	786.5	782.6	760.4	738.2	725.0
759.3	77.5°	419.1	439.1	459.3	525.4	591.5	669.0	666.9	649.1	631.3	618.0
489.2	80°	314.2	322.5	330.8	386.8	442.7	535.3	535.0	520.1	505.1	494.0
300.9	82.5°	224.5	226.0	227.6	268.8	310.0	389.1	393.5	386.2	378.9	371.0
160.8	85°	135.8	135.0	134.2	164.4	194.6	253.3	259.1	251.3	243.5	234.6
66.7	87.5°	59.5	58.8	58.1	70.3	82.7	107.2	114.4	111.3	108.2	106.5
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°
2711.3	0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2607.2	2.5°	2591.5	2575.8	2560.0	2544.3	2532.1	2519.8	2509.9	2500.1	2492.4	2484.7
2520.7	5°	2492.8	2464.9	2439.6	2414.2	2394.8	2375.2	2361.6	2348.0	2338.3	2328.6
2467.3	7.5°	2432.2	2397.1	2366.1	2335.2	2312.0	2288.9	2272.6	2256.4	2245.3	2234.2
2465.9	10°	2428.2	2390.3	2355.4	2320.6	2292.9	2265.1	2247.0	2228.7	2218.2	2207.7
2518.6	12.5°	2488.8	2459.3	2423.2	2387.2	2351.8	2316.4	2293.0	2269.6	2257.9	2246.2
2604.1	15°	2596.4	2588.7	2557.4	2526.1	2475.7	2425.4	2389.8	2354.2	2337.9	2321.6
2676.1	17.5°	2700.2	2724.3	2699.0	2673.8	2607.1	2540.4	2488.0	2435.6	2411.4	2387.2
2688.4	20°	2738.8	2789.3	2777.6	2765.9	2689.6	2613.5	2549.2	2485.0	2454.1	2423.1
2619.5	22.5°	2685.1	2750.8	2757.9	2764.8	2692.0	2619.2	2553.0	2486.7	2454.2	2421.5
2495.9	25°	2560.5	2625.1	2649.3	2673.3	2613.6	2554.0	2495.1	2436.4	2408.1	2379.9
2356.7	27.5°	2408.5	2460.3	2487.2	2514.1	2471.6	2429.1	2383.4	2337.8	2318.8	2299.8
2216.9	30°	2259.8	2302.9	2324.8	2346.6	2314.2	2281.8	2249.1	2216.2	2206.6	2196.8
2075.1	32.5°	2116.3	2157.6	2181.8	2206.1	2176.4	2146.5	2120.4	2094.3	2088.0	2081.6
1937.2	35°	1978.0	2018.9	2048.0	2077.1	2055.9	2034.8	2010.7	1986.6	1976.9	1967.4
1805.6	37.5°	1846.3	1887.1	1923.1	1959.1	1949.3	1939.5	1917.3	1895.1	1877.5	1860.0
1682.5	40°	1721.8	1761.2	1802.6	1844.1	1846.5	1848.8	1829.9	1811.1	1785.5	1760.1
1569.7	42.5°	1607.0	1644.3	1689.1	1733.8	1745.8	1757.7	1741.8	1726.0	1694.3	1662.5
1473.0	45°	1508.4	1543.7	1590.1	1636.5	1653.7	1670.9	1656.5	1642.3	1605.9	1569.7
1395.7	47.5°	1430.3	1464.9	1510.6	1556.4	1576.2	1596.0	1586.0	1576.0	1543.7	1511.5
1339.5	50°	1372.2	1404.7	1445.7	1486.7	1512.1	1537.5	1536.9	1536.4	1510.6	1484.8
1302.6	52.5°	1332.5	1362.4	1400.6	1438.9	1468.9	1499.0	1504.4	1509.8	1488.8	1467.8
1274.7	55°	1306.9	1339.2	1372.7	1406.1	1437.9	1469.9	1477.4	1484.8	1466.5	1448.2
1237.0	57.5°	1274.9	1312.8	1345.8	1379.0	1411.2	1443.2	1450.8	1458.4	1439.9	1421.4
1186.3	60°	1229.7	1273.2	1306.8	1340.5	1372.8	1405.0	1413.4	1421.7	1403.6	1385.6
1114.8	62.5°	1165.4	1216.2	1252.1	1288.0	1317.6	1347.1	1355.1	1363.1	1346.8	1330.5
1038.3	65°	1092.6	1147.0	1181.4	1215.7	1241.7	1267.7	1275.9	1284.0	1268.3	1252.6
967.6	67.5°	1017.7	1068.0	1100.5	1133.0	1155.5	1177.9	1185.9	1193.8	1179.4	1165.0
897.0	70°	941.1	985.2	1013.3	1041.4	1061.7	1082.0	1089.7	1097.4	1085.6	1073.9
813.1	72.5°	847.8	882.5	907.8	933.2	953.1	973.0	982.1	991.3	981.5	971.7
711.8	75°	737.6	763.4	786.4	809.4	827.5	845.6	855.2	864.8	860.0	855.2
604.7	77.5°	625.7	646.6	666.4	686.1	705.2	724.1	733.1	742.0	735.3	728.5
482.7	80°	500.2	517.6	534.2	550.9	565.3	579.7	591.6	603.4	600.5	597.7
363.1	82.5°	361.6	360.2	354.4	348.5	379.3	410.1	430.3	450.5	449.2	447.9
225.8	85°	218.3	210.7	194.6	178.4	207.2	236.2	261.1	286.1	284.0	281.9
104.9	87.5°	104.6	104.2	92.0	79.6	91.7	103.8	113.9	124.0	121.5	118.8
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°
2711.3	0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2477.6	2.5°	2470.4	2461.6	2470.4	2477.6	2484.7	2492.4	2500.1	2509.9	2519.8	2532.1
2321.2	5°	2313.8	2306.5	2313.8	2321.2	2328.6	2338.3	2348.0	2361.6	2375.2	2394.8
2227.6	7.5°	2221.0	2216.0	2221.0	2227.6	2234.2	2245.3	2256.4	2272.6	2288.9	2312.0
2202.1	10°	2196.5	2194.2	2196.5	2202.1	2207.7	2218.2	2228.7	2247.0	2265.1	2292.9
2241.4	12.5°	2236.6	2235.8	2236.6	2241.4	2246.2	2257.9	2269.6	2293.0	2316.4	2351.8
2315.4	15°	2309.1	2308.6	2309.1	2315.4	2321.6	2337.9	2354.2	2389.8	2425.4	2475.7
2379.3	17.5°	2371.3	2370.0	2371.3	2379.3	2387.2	2411.4	2435.6	2488.0	2540.4	2607.1
2413.2	20°	2403.3	2400.2	2403.3	2413.2	2423.1	2454.1	2485.0	2549.2	2613.5	2689.6
2410.6	22.5°	2399.7	2395.0	2399.7	2410.6	2421.5	2454.2	2486.7	2553.0	2619.2	2692.0
2369.6	25°	2359.4	2353.4	2359.4	2369.6	2379.9	2408.1	2436.4	2495.1	2554.0	2613.6
2295.1	27.5°	2290.4	2288.9	2290.4	2295.1	2299.8	2318.8	2337.8	2383.4	2429.1	2471.6
2196.8	30°	2196.8	2198.3	2196.8	2196.8	2196.8	2206.6	2216.2	2249.1	2281.8	2314.2
2082.4	32.5°	2083.4	2084.9	2083.4	2082.4	2081.6	2088.0	2094.3	2120.4	2146.5	2176.4
1965.3	35°	1963.2	1962.2	1963.2	1965.3	1967.4	1976.9	1986.6	2010.7	2034.8	2055.9
1850.8	37.5°	1841.5	1836.3	1841.5	1850.8	1860.0	1877.5	1895.1	1917.3	1939.5	1949.3
1742.9	40°	1725.8	1715.6	1725.8	1742.9	1760.1	1785.5	1811.1	1829.9	1848.8	1846.5
1637.5	42.5°	1612.4	1596.0	1612.4	1637.5	1662.5	1694.3	1726.0	1741.8	1757.7	1745.8
1540.3	45°	1510.9	1491.9	1510.9	1540.3	1569.7	1605.9	1642.3	1656.5	1670.9	1653.7
1484.2	47.5°	1457.1	1438.9	1457.1	1484.2	1511.5	1543.7	1576.0	1586.0	1596.0	1576.2
1459.7	50°	1434.5	1417.0	1434.5	1459.7	1484.8	1510.6	1536.4	1536.9	1537.5	1512.1
1445.2	52.5°	1422.7	1406.6	1422.7	1445.2	1467.8	1488.8	1509.8	1504.4	1499.0	1468.9
1428.5	55°	1408.7	1394.1	1408.7	1428.5	1448.2	1466.5	1484.8	1477.4	1469.9	1437.9
1401.8	57.5°	1382.2	1367.1	1382.2	1401.8	1421.4	1439.9	1458.4	1450.8	1443.2	1411.2
1365.4	60°	1345.2	1329.6	1345.2	1365.4	1385.6	1403.6	1421.7	1413.4	1405.0	1372.8
1309.2	62.5°	1288.0	1269.3	1288.0	1309.2	1330.5	1346.8	1363.1	1355.1	1347.1	1317.6
1232.0	65°	1211.5	1195.4	1211.5	1232.0	1252.6	1268.3	1284.0	1275.9	1267.7	1241.7
1145.9	67.5°	1126.7	1112.2	1126.7	1145.9	1165.0	1179.4	1193.8	1185.9	1177.9	1155.5
1055.6	70°	1037.3	1020.6	1037.3	1055.6	1073.9	1085.6	1097.4	1089.7	1082.0	1061.7
954.2	72.5°	936.9	920.7	936.9	954.2	971.7	981.5	991.3	982.1	973.0	953.1
840.5	75°	825.9	810.5	825.9	840.5	855.2	860.0	864.8	855.2	845.6	827.5
713.7	77.5°	698.9	686.7	698.9	713.7	728.5	735.3	742.0	733.1	724.1	705.2
577.8	80°	557.9	534.8	557.9	577.8	597.7	600.5	603.4	591.6	579.7	565.3
431.1	82.5°	414.3	399.5	414.3	431.1	447.9	449.2	450.5	430.3	410.1	379.3
268.8	85°	255.7	242.4	255.7	268.8	281.9	284.0	286.1	261.1	236.2	207.2
112.2	87.5°	105.3	98.8	105.3	112.2	118.8	121.5	124.0	113.9	103.8	91.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2711.3	0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2544.3	2.5°	2560.0	2575.8	2591.5	2607.2	2625.1	2643.1	2663.0	2683.0	2707.6	2729.8
2414.2	5°	2439.6	2464.9	2492.8	2520.7	2552.2	2583.8	2621.6	2659.2	2702.4	2746.1
2335.2	7.5°	2366.1	2397.1	2432.2	2467.3	2508.9	2550.5	2600.6	2650.7	2706.6	2766.2
2320.6	10°	2355.4	2390.3	2428.2	2465.9	2507.5	2549.2	2602.0	2654.9	2714.9	2788.5
2387.2	12.5°	2423.2	2459.3	2488.8	2518.6	2546.0	2573.7	2616.8	2660.1	2715.9	2793.2
2526.1	15°	2557.4	2588.7	2596.4	2604.1	2600.4	2596.6	2617.2	2637.9	2682.6	2768.3
2673.8	17.5°	2699.0	2724.3	2700.2	2676.1	2630.7	2585.4	2577.9	2570.3	2597.9	2698.6
2765.9	20°	2777.6	2789.3	2738.8	2688.4	2609.5	2530.7	2495.4	2460.0	2467.3	2584.5
2764.8	22.5°	2757.9	2750.8	2685.1	2619.5	2529.4	2439.5	2387.2	2334.8	2320.6	2454.1
2673.3	25°	2649.3	2625.1	2560.5	2495.9	2415.0	2334.1	2273.8	2213.4	2174.9	2311.7
2514.1	27.5°	2487.2	2460.3	2408.5	2356.7	2290.3	2223.8	2165.6	2107.3	2060.5	2185.0
2346.6	30°	2324.8	2302.9	2259.8	2216.9	2161.7	2106.6	2060.2	2014.0	1977.3	2081.8
2206.1	32.5°	2181.8	2157.6	2116.3	2075.1	2030.9	1986.9	1959.6	1932.2	1915.9	2000.2
2077.1	35°	2048.0	2018.9	1978.0	1937.2	1903.7	1870.1	1862.5	1855.0	1861.8	1932.0
1959.1	37.5°	1923.1	1887.1	1846.3	1805.6	1781.6	1757.4	1765.8	1774.1	1798.8	1860.2
1844.1	40°	1802.6	1761.2	1721.8	1682.5	1665.1	1647.8	1666.6	1685.4	1723.4	1779.1
1733.8	42.5°	1689.1	1644.3	1607.0	1569.7	1555.5	1541.3	1566.3	1591.3	1639.1	1690.4
1636.5	45°	1590.1	1543.7	1508.4	1473.0	1460.9	1449.1	1473.3	1497.6	1543.9	1596.0
1556.4	47.5°	1510.6	1464.9	1430.3	1395.7	1384.6	1373.3	1393.7	1414.1	1453.9	1521.1
1486.7	50°	1445.7	1404.7	1372.2	1339.5	1321.9	1304.4	1322.4	1340.5	1386.8	1475.1
1438.9	52.5°	1400.6	1362.4	1332.5	1302.6	1276.4	1250.0	1267.8	1285.7	1350.4	1451.9
1406.1	55°	1372.7	1339.2	1306.9	1274.7	1237.4	1200.1	1228.3	1256.6	1354.1	1448.4
1379.0	57.5°	1345.8	1312.8	1274.9	1237.0	1196.9	1156.7	1197.9	1239.1	1357.7	1440.9
1340.5	60°	1306.8	1273.2	1229.7	1186.3	1151.1	1115.8	1169.3	1222.7	1346.3	1401.2
1288.0	62.5°	1252.1	1216.2	1165.4	1114.8	1092.4	1070.0	1136.7	1203.5	1318.2	1324.9
1215.7	65°	1181.4	1147.0	1092.6	1038.3	1029.8	1021.1	1092.2	1163.2	1250.5	1249.7
1133.0	67.5°	1100.5	1068.0	1017.7	967.6	970.3	973.0	1032.1	1091.2	1140.3	1142.6
1041.4	70°	1013.3	985.2	941.1	897.0	906.4	915.8	957.8	999.8	1015.9	1015.9
933.2	72.5°	907.8	882.5	847.8	813.1	826.7	840.4	869.2	898.1	897.9	887.7
809.4	75°	786.4	763.4	737.6	711.8	725.0	738.2	760.4	782.6	786.5	739.5
686.1	77.5°	666.4	646.6	625.7	604.7	618.0	631.3	649.1	666.9	669.0	591.5
550.9	80°	534.2	517.6	500.2	482.7	494.0	505.1	520.1	535.0	535.3	442.7
348.5	82.5°	354.4	360.2	361.6	363.1	371.0	378.9	386.2	393.5	389.1	310.0
178.4	85°	194.6	210.7	218.3	225.8	234.6	243.5	251.3	259.1	253.3	194.6
79.6	87.5°	92.0	104.2	104.6	104.9	106.5	108.2	111.3	114.4	107.2	82.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
2711.3	0°	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3	2711.3
2752.7	2.5°	2775.6	2799.5	2823.4	2847.1	2871.0	2893.3	2915.7
2792.4	5°	2838.7	2888.2	2937.9	2987.1	3036.4	3085.8	3135.2
2830.8	7.5°	2895.4	2968.8	3042.1	3117.4	3192.7	3274.2	3355.8
2865.0	10°	2941.4	3030.6	3119.6	3219.1	3318.6	3421.7	3524.8
2879.7	12.5°	2966.2	3071.2	3176.3	3289.1	3401.9	3515.1	3628.4
2868.4	15°	2968.4	3089.4	3210.4	3332.8	3455.1	3573.2	3691.3
2818.9	17.5°	2939.3	3079.8	3220.2	3353.7	3487.2	3606.9	3726.7
2733.7	20°	2882.9	3053.1	3223.3	3370.0	3516.7	3641.3	3765.7
2633.7	22.5°	2813.4	3020.5	3227.5	3392.1	3556.6	3683.8	3810.9
2522.1	25°	2732.6	2988.2	3243.9	3432.0	3620.0	3744.6	3869.2
2420.1	27.5°	2655.1	2966.7	3278.3	3494.5	3710.6	3829.5	3948.3
2334.7	30°	2587.7	2956.6	3325.3	3575.3	3825.3	3940.1	4054.9
2261.2	32.5°	2522.1	2944.1	3365.9	3659.7	3953.5	4067.1	4180.8
2188.9	35°	2445.7	2920.6	3395.6	3755.8	4116.0	4224.9	4333.7
2103.8	37.5°	2347.3	2880.3	3413.3	3863.5	4313.7	4452.5	4591.2
2002.2	40°	2225.4	2824.9	3424.4	4000.2	4575.8	4778.1	4980.3
1890.2	42.5°	2089.9	2767.6	3445.6	4179.0	4912.5	5204.4	5496.4
1771.2	45°	1946.4	2714.5	3482.7	4414.4	5346.0	5739.8	6133.6
1677.0	47.5°	1833.0	2670.6	3508.2	4665.1	5822.0	6376.3	6930.6
1614.5	50°	1753.9	2622.7	3491.6	4897.7	6303.9	7139.6	7975.1
1573.3	52.5°	1694.8	2541.9	3389.1	5048.8	6708.4	7941.3	9174.2
1543.4	55°	1638.4	2407.9	3177.4	5015.5	6853.6	8652.1	10450.7
1508.0	57.5°	1575.2	2218.9	2862.6	4781.2	6699.9	9155.9	11611.8
1453.9	60°	1506.7	1973.6	2440.5	4345.2	6249.8	9281.7	12313.5
1359.9	62.5°	1395.0	1680.0	1965.1	3755.6	5546.1	8751.7	11957.2
1266.3	65°	1282.8	1415.9	1548.9	3154.0	4759.3	8001.6	11244.0
1133.4	67.5°	1124.1	1162.0	1199.8	2564.8	3929.8	7109.1	10288.4
973.2	70°	930.3	919.6	908.8	2019.4	3130.0	6135.2	9140.3
827.0	72.5°	766.2	733.6	701.0	1543.8	2386.7	5079.4	7772.2
671.5	75°	603.4	573.9	544.3	1120.5	1696.7	3869.1	6041.5
525.4	77.5°	459.3	439.1	419.1	759.3	1099.5	2708.0	4316.6
386.8	80°	330.8	322.5	314.2	489.2	664.3	1744.7	2825.2
268.8	82.5°	227.6	226.0	224.5	300.9	377.5	1009.8	1642.3
164.4	85°	134.2	135.0	135.8	160.8	186.0	454.2	722.6
70.3	87.5°	58.1	58.8	59.5	66.7	73.9	148.8	223.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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