

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: P950699

Luminaire Tested: **GALN-SB5A-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950699
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-SB5A-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19633 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

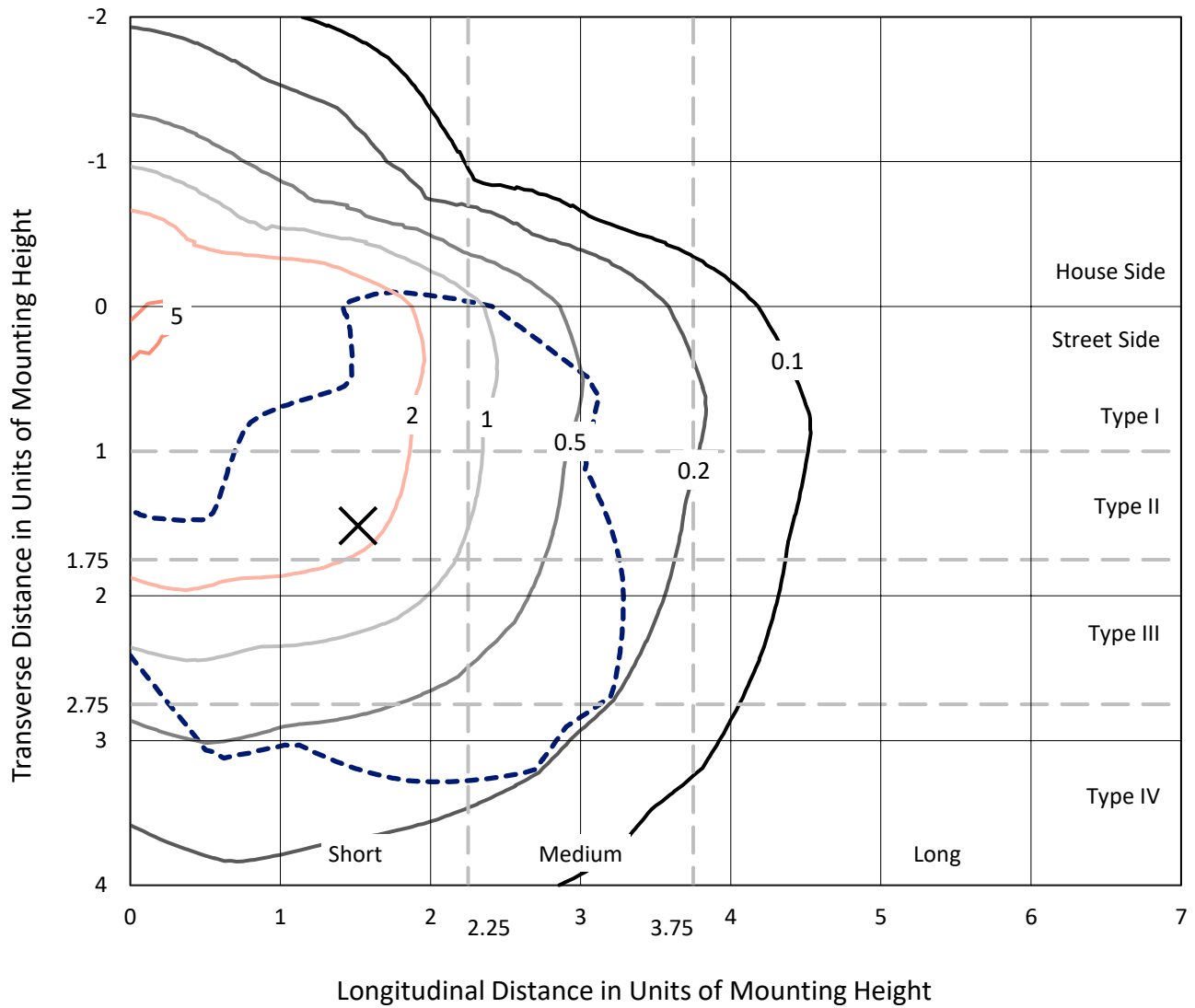
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

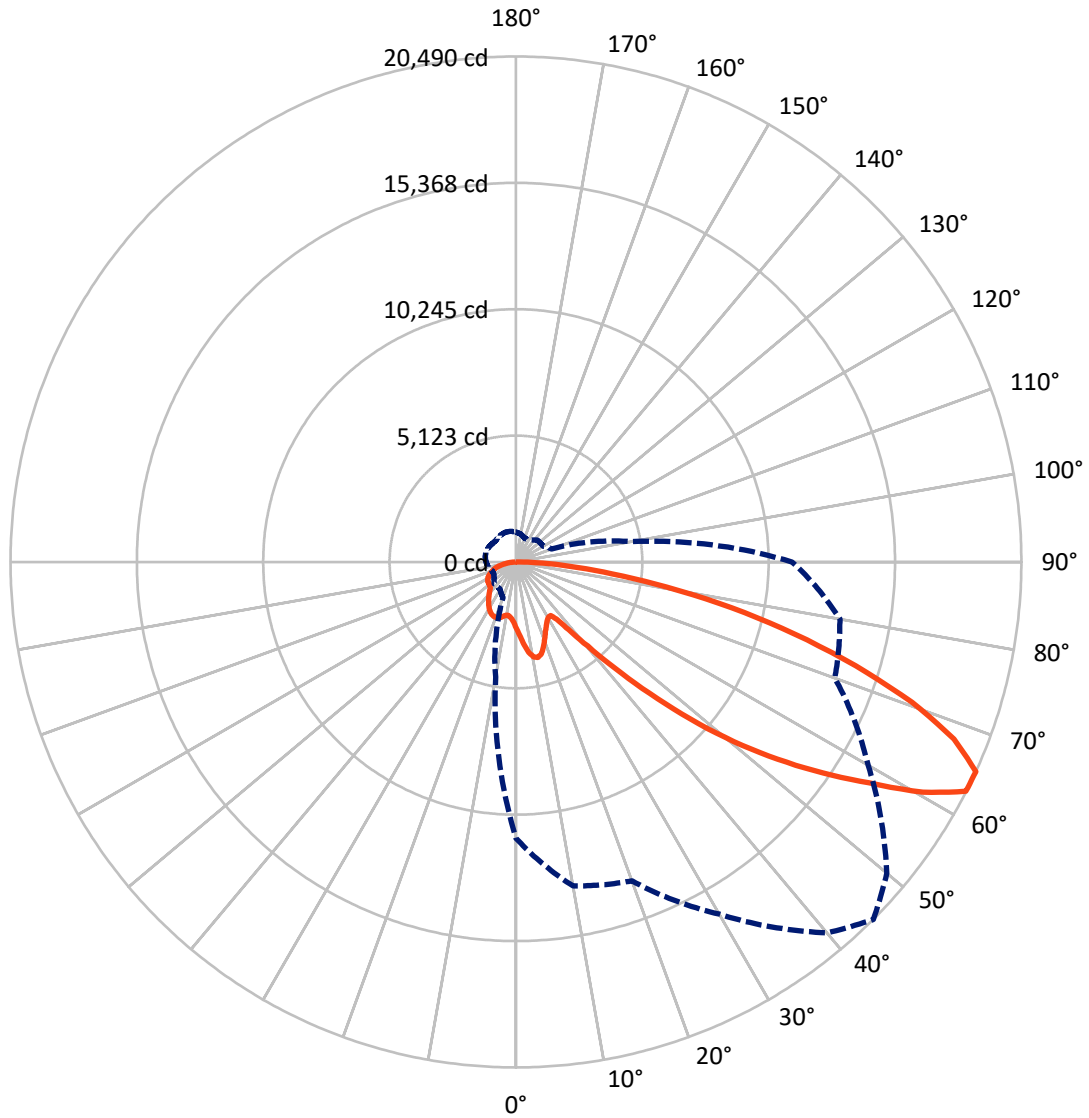
✕ Max cd
 - - - 1/2 Max cd



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	4989.7	0.0	4989.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14643.3	0.0	14643.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	19633.0	0.0	19633.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.8	1.4
10°-20°	840.7	4.3
20°-30°	1298.6	6.6
30°-40°	1645.7	8.4
40°-50°	2482.1	12.6
50°-60°	4010.1	20.4
60°-70°	4999.3	25.5
70°-80°	3278.3	16.7
80°-90°	810.5	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°	19633.0	100.0
0°-180°	19633.0	100.0



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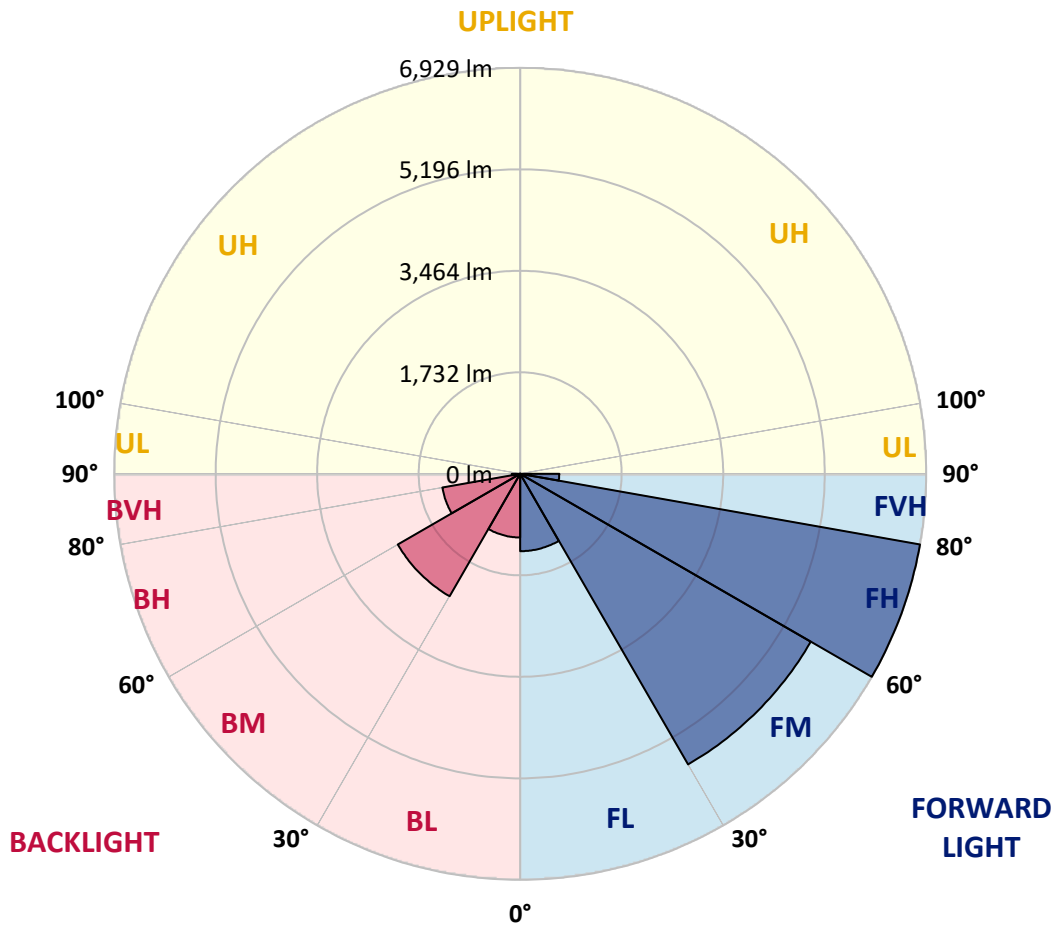
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1320.5	6.7			
FM (30°-60°)	5726.5	29.2			
FH (60°-80°)	6928.6	35.3			G3/7500
FVH (80°-90°)	667.7	3.4			G4/750
BL (0°-30°)	1086.6	5.5	B3/2500		
BM (30°-60°)	2411.3	12.3	B2/2500		
BH (60°-80°)	1349.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	142.8	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°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2.5°	2903.3	2914.3	2925.3	2941.0	2956.6	2965.9	2975.3	2979.9	2984.6	2982.5
5°	3121.9	3160.3	3198.8	3237.0	3275.2	3295.9	3316.6	3329.2	3341.8	3351.3
7.5°	3341.5	3404.1	3466.5	3522.8	3579.0	3612.9	3646.8	3665.1	3683.3	3692.2
10°	3509.8	3583.8	3657.8	3723.8	3789.7	3829.7	3869.5	3887.3	3905.0	3911.8
12.5°	3612.9	3693.1	3773.2	3832.8	3892.3	3921.3	3950.3	3960.1	3969.8	3970.8
15°	3675.6	3744.8	3813.9	3851.3	3888.8	3889.8	3890.9	3880.5	3870.1	3857.9
17.5°	3710.8	3757.5	3804.2	3805.0	3805.6	3763.6	3721.7	3683.2	3644.7	3617.6
20°	3749.7	3765.9	3782.3	3733.1	3683.9	3591.3	3498.6	3431.2	3363.8	3322.3
22.5°	3794.7	3773.4	3752.0	3650.1	3548.2	3411.9	3275.7	3191.4	3107.0	3061.3
25°	3852.7	3785.4	3718.1	3563.3	3408.5	3243.1	3077.6	2988.9	2900.5	2857.2
27.5°	3931.5	3811.1	3690.6	3485.6	3280.7	3097.3	2913.9	2826.7	2739.6	2698.7
30°	4037.6	3858.1	3678.7	3426.3	3174.0	2982.9	2791.9	2711.0	2630.1	2592.0
32.5°	4163.0	3917.2	3671.4	3385.9	3100.4	2920.9	2741.4	2677.8	2614.2	2586.8
35°	4315.3	4014.4	3713.7	3416.2	3118.8	2994.0	2869.4	2854.6	2839.8	2837.5
37.5°	4571.7	4217.8	3863.9	3593.5	3323.1	3315.1	3307.0	3374.7	3442.5	3477.7
40°	4959.1	4574.3	4189.4	3988.3	3787.3	3929.2	4071.1	4235.8	4400.5	4482.6
42.5°	5473.0	5091.1	4709.3	4593.4	4477.6	4787.2	5096.7	5396.3	5695.9	5871.8
45°	6107.5	5764.5	5421.4	5370.3	5319.1	5815.0	6311.1	6803.3	7295.7	7594.6
47.5°	6901.0	6567.4	6233.6	6223.2	6212.8	6928.3	7643.5	8364.2	9084.8	9508.0
50°	7941.1	7528.9	7116.8	7118.6	7120.3	8042.3	8964.4	9915.7	10867.0	11442.2
52.5°	9135.1	8636.0	8136.9	8086.5	8035.9	9137.3	10238.6	11415.6	12592.6	13282.0
55°	10406.2	9913.1	9420.0	9223.2	9026.5	10252.3	11477.9	12881.1	14284.3	15104.3
57.5°	11562.3	11293.8	11025.2	10630.6	10236.1	11473.8	12711.4	14300.8	15890.0	16906.8
60°	12261.1	12678.2	13095.3	12605.3	12115.3	13286.6	14457.8	16159.5	17861.2	18960.1
62.5°	11906.3	13045.9	14185.6	14130.4	14075.0	15148.0	16221.0	17840.0	19458.9	20474.7
65°	11196.1	12265.7	13335.4	13547.0	13758.6	15122.1	16485.7	18055.6	19625.4	20490.2
67.5°	10244.6	11261.9	12279.2	12378.5	12477.6	13898.3	15318.9	16895.5	18472.2	19149.7
70°	9101.4	10207.9	11314.5	11358.9	11403.3	12673.8	13944.2	15301.0	16657.7	17034.3
72.5°	7739.1	9008.9	10278.8	10310.7	10342.5	11336.5	12330.5	13346.7	14362.7	14400.9
75°	6015.8	7330.0	8644.2	8762.2	8880.2	9653.6	10426.9	11142.2	11857.6	11665.9
77.5°	4298.2	5525.0	6751.9	6920.7	7089.6	7677.5	8265.4	8772.7	9280.1	8950.7
80°	2813.1	3845.3	4877.3	5087.2	5297.1	5741.1	6184.9	6451.3	6717.7	6187.8
82.5°	1635.3	2340.9	3046.5	3281.0	3515.5	3821.1	4126.7	4237.9	4349.0	3932.5
85°	719.5	1094.0	1468.5	1667.9	1867.3	2118.4	2369.4	2432.5	2495.6	2162.0
87.5°	222.7	348.6	474.5	585.7	697.0	822.6	948.1	953.5	958.8	804.9
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°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2984.6	2.5°	2979.9	2975.3	2965.9	2956.6	2941.0	2925.3	2914.3	2903.3	2881.0	2858.7
3341.8	5°	3329.2	3316.6	3295.9	3275.2	3237.0	3198.8	3160.3	3121.9	3072.7	3023.4
3683.3	7.5°	3665.1	3646.8	3612.9	3579.0	3522.8	3466.5	3404.1	3341.5	3260.3	3179.1
3905.0	10°	3887.3	3869.5	3829.7	3789.7	3723.8	3657.8	3583.8	3509.8	3407.2	3304.5
3969.8	12.5°	3960.1	3950.3	3921.3	3892.3	3832.8	3773.2	3693.1	3612.9	3500.1	3387.4
3870.1	15°	3880.5	3890.9	3889.8	3888.8	3851.3	3813.9	3744.8	3675.6	3558.0	3440.4
3644.7	17.5°	3683.2	3721.7	3763.6	3805.6	3805.0	3804.2	3757.5	3710.8	3591.6	3472.3
3363.8	20°	3431.2	3498.6	3591.3	3683.9	3733.1	3782.3	3765.9	3749.7	3625.7	3501.7
3107.0	22.5°	3191.4	3275.7	3411.9	3548.2	3650.1	3752.0	3773.4	3794.7	3668.1	3541.4
2900.5	25°	2988.9	3077.6	3243.1	3408.5	3563.3	3718.1	3785.4	3852.7	3728.6	3604.6
2739.6	27.5°	2826.7	2913.9	3097.3	3280.7	3485.6	3690.6	3811.1	3931.5	3813.2	3694.7
2630.1	30°	2711.0	2791.9	2982.9	3174.0	3426.3	3678.7	3858.1	4037.6	3923.3	3809.0
2614.2	32.5°	2677.8	2741.4	2920.9	3100.4	3385.9	3671.4	3917.2	4163.0	4049.8	3936.6
2839.8	35°	2854.6	2869.4	2994.0	3118.8	3416.2	3713.7	4014.4	4315.3	4206.9	4098.5
3442.5	37.5°	3374.7	3307.0	3315.1	3323.1	3593.5	3863.9	4217.8	4571.7	4433.5	4295.3
4400.5	40°	4235.8	4071.1	3929.2	3787.3	3988.3	4189.4	4574.3	4959.1	4757.7	4556.4
5695.9	42.5°	5396.3	5096.7	4787.2	4477.6	4593.4	4709.3	5091.1	5473.0	5182.3	4891.6
7295.7	45°	6803.3	6311.1	5815.0	5319.1	5370.3	5421.4	5764.5	6107.5	5715.4	5323.3
9084.8	47.5°	8364.2	7643.5	6928.3	6212.8	6223.2	6233.6	6567.4	6901.0	6349.2	5797.2
10867.0	50°	9915.7	8964.4	8042.3	7120.3	7118.6	7116.8	7528.9	7941.1	7109.2	6277.1
12592.6	52.5°	11415.6	10238.6	9137.3	8035.9	8086.5	8136.9	8636.0	9135.1	7907.5	6679.9
14284.3	55°	12881.1	11477.9	10252.3	9026.5	9223.2	9420.0	9913.1	10406.2	8615.2	6824.4
15890.0	57.5°	14300.8	12711.4	11473.8	10236.1	10630.6	11025.2	11293.8	11562.3	9116.8	6671.4
17861.2	60°	16159.5	14457.8	13286.6	12115.3	12605.3	13095.3	12678.2	12261.1	9242.2	6223.2
19458.9	62.5°	17840.0	16221.0	15148.0	14075.0	14130.4	14185.6	13045.9	11906.3	8714.4	5522.5
19625.4	65°	18055.6	16485.7	15122.1	13758.6	13547.0	13335.4	12265.7	11196.1	7967.6	4739.0
18472.2	67.5°	16895.5	15318.9	13898.3	12477.6	12378.5	12279.2	11261.9	10244.6	7078.8	3913.0
16657.7	70°	15301.0	13944.2	12673.8	11403.3	11358.9	11314.5	10207.9	9101.4	6109.0	3116.7
14362.7	72.5°	13346.7	12330.5	11336.5	10342.5	10310.7	10278.8	9008.9	7739.1	5057.8	2376.5
11857.6	75°	11142.2	10426.9	9653.6	8880.2	8762.2	8644.2	7330.0	6015.8	3852.6	1689.4
9280.1	77.5°	8772.7	8265.4	7677.5	7089.6	6920.7	6751.9	5525.0	4298.2	2696.5	1094.8
6717.7	80°	6451.3	6184.9	5741.1	5297.1	5087.2	4877.3	3845.3	2813.1	1737.3	661.5
4349.0	82.5°	4237.9	4126.7	3821.1	3515.5	3281.0	3046.5	2340.9	1635.3	1005.5	375.8
2495.6	85°	2432.5	2369.4	2118.4	1867.3	1667.9	1468.5	1094.0	719.5	452.3	185.2
958.8	87.5°	953.5	948.1	822.6	697.0	585.7	474.5	348.6	222.7	148.1	73.6
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2835.0	2.5°	2811.4	2787.6	2763.7	2740.9	2718.1	2696.1	2671.5	2651.6	2631.9	2613.9
2974.3	5°	2925.3	2875.9	2826.6	2780.5	2734.4	2690.9	2647.9	2610.4	2572.8	2541.3
3104.1	7.5°	3029.1	2956.1	2883.1	2818.7	2754.4	2695.0	2639.4	2589.5	2539.7	2498.2
3205.4	10°	3106.3	3017.6	2928.9	2852.8	2776.6	2703.3	2643.6	2590.9	2538.3	2496.9
3275.1	12.5°	3162.8	3058.1	2953.5	2867.4	2781.3	2704.4	2648.7	2605.6	2562.8	2535.2
3318.6	15°	3196.8	3076.3	2955.8	2856.1	2756.5	2671.2	2626.7	2606.1	2585.5	2589.3
3339.4	17.5°	3206.5	3066.6	2926.8	2806.9	2687.1	2586.8	2559.3	2566.9	2574.4	2619.5
3355.7	20°	3209.6	3040.1	2870.6	2722.1	2573.5	2456.8	2449.5	2484.7	2520.0	2598.4
3377.6	22.5°	3213.7	3007.6	2801.4	2622.5	2443.6	2310.7	2324.9	2377.0	2429.1	2518.6
3417.4	25°	3230.1	2975.5	2720.9	2511.4	2301.9	2165.7	2204.0	2264.1	2324.2	2404.7
3479.6	27.5°	3264.3	2954.0	2643.8	2409.7	2175.7	2051.7	2098.3	2156.3	2214.4	2280.6
3560.1	30°	3311.1	2944.0	2576.6	2324.8	2073.0	1968.8	2005.4	2051.4	2097.6	2152.5
3644.1	32.5°	3351.5	2931.6	2511.4	2251.6	1991.6	1907.7	1924.0	1951.2	1978.5	2022.3
3739.8	35°	3381.2	2908.1	2435.3	2179.6	1923.8	1853.8	1847.1	1854.6	1862.1	1895.6
3847.0	37.5°	3398.8	2868.0	2337.3	2094.8	1852.3	1791.2	1766.5	1758.2	1749.9	1774.0
3983.2	40°	3409.9	2812.8	2215.9	1993.7	1771.5	1716.1	1678.3	1659.5	1640.8	1658.1
4161.2	42.5°	3430.9	2755.9	2081.0	1882.1	1683.2	1632.2	1584.5	1559.6	1534.8	1548.9
4395.6	45°	3467.9	2702.9	1938.1	1763.6	1589.2	1537.4	1491.3	1467.0	1442.9	1454.7
4645.2	47.5°	3493.3	2659.2	1825.2	1669.9	1514.6	1447.8	1408.1	1387.8	1367.5	1378.7
4876.9	50°	3476.7	2611.5	1746.4	1607.6	1468.8	1380.9	1334.8	1316.8	1298.9	1316.3
5027.3	52.5°	3374.6	2531.1	1687.6	1566.6	1445.7	1344.7	1280.2	1262.4	1244.7	1270.9
4994.1	55°	3163.8	2397.6	1631.4	1536.8	1442.3	1348.3	1251.2	1223.1	1195.0	1232.2
4760.8	57.5°	2850.4	2209.5	1568.4	1501.6	1434.8	1351.9	1233.8	1192.8	1151.8	1191.8
4326.7	60°	2430.2	1965.2	1500.3	1447.8	1395.2	1340.5	1217.5	1164.3	1111.1	1146.2
3739.6	62.5°	1956.7	1672.9	1389.0	1354.1	1319.3	1312.6	1198.4	1131.9	1065.5	1087.8
3140.6	65°	1542.3	1409.8	1277.3	1260.9	1244.4	1245.2	1158.2	1087.5	1016.8	1025.4
2553.8	67.5°	1194.7	1157.1	1119.4	1128.6	1137.7	1135.4	1086.5	1027.7	968.8	966.1
2010.8	70°	904.9	915.7	926.4	969.0	1011.6	1011.6	995.6	953.7	911.9	902.5
1537.3	72.5°	698.0	730.5	763.0	823.5	883.9	894.0	894.2	865.5	836.8	823.2
1115.7	75°	542.0	571.4	600.9	668.6	736.4	783.2	779.2	757.2	735.0	722.0
756.0	77.5°	417.3	437.3	457.4	523.2	588.9	666.1	664.0	646.3	628.6	615.4
487.1	80°	312.9	321.1	329.4	385.2	440.8	533.0	532.7	517.9	503.0	491.9
299.6	82.5°	223.6	225.0	226.7	267.7	308.7	387.4	391.8	384.5	377.3	369.4
160.2	85°	135.2	134.5	133.6	163.7	193.7	252.3	258.0	250.2	242.4	233.6
66.4	87.5°	59.3	58.5	57.8	70.0	82.4	106.7	114.0	110.8	107.7	106.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2596.1	2.5°	2580.5	2564.8	2549.1	2533.4	2521.3	2509.1	2499.2	2489.4	2481.7	2474.1
2509.9	5°	2482.2	2454.4	2429.2	2403.9	2384.6	2365.1	2351.5	2338.0	2328.3	2318.7
2456.8	7.5°	2421.9	2386.8	2356.0	2325.2	2302.1	2279.1	2262.9	2246.8	2235.7	2224.7
2455.4	10°	2417.8	2380.1	2345.4	2310.7	2283.1	2255.5	2237.5	2219.2	2208.8	2198.3
2507.8	12.5°	2478.2	2448.8	2412.8	2377.0	2341.8	2306.6	2283.3	2259.9	2248.2	2236.6
2593.0	15°	2585.3	2577.7	2546.5	2515.3	2465.2	2415.0	2379.6	2344.2	2327.9	2311.7
2664.7	17.5°	2688.7	2712.7	2687.5	2662.4	2596.0	2529.6	2477.4	2425.2	2401.1	2377.0
2676.9	20°	2727.2	2777.4	2765.8	2754.1	2678.2	2602.3	2538.3	2474.4	2443.6	2412.7
2608.3	22.5°	2673.7	2739.1	2746.1	2753.1	2680.5	2608.0	2542.1	2476.1	2443.7	2411.2
2485.3	25°	2549.6	2613.9	2638.0	2661.9	2602.4	2543.1	2484.4	2426.0	2397.8	2369.8
2346.7	27.5°	2398.2	2449.8	2476.6	2503.4	2461.0	2418.8	2373.3	2327.8	2308.9	2290.0
2207.4	30°	2250.2	2293.1	2314.8	2336.6	2304.4	2272.1	2239.5	2206.8	2197.2	2187.4
2066.2	32.5°	2107.2	2148.4	2172.5	2196.7	2167.1	2137.4	2111.4	2085.4	2079.1	2072.7
1929.0	35°	1969.6	2010.3	2039.3	2068.3	2047.2	2026.1	2002.1	1978.2	1968.5	1959.0
1797.9	37.5°	1838.4	1879.0	1914.9	1950.7	1941.0	1931.2	1909.2	1887.0	1869.5	1852.1
1675.4	40°	1714.5	1753.7	1794.9	1836.2	1838.6	1840.9	1822.1	1803.4	1777.9	1752.6
1563.1	42.5°	1600.1	1637.3	1681.9	1726.4	1738.3	1750.3	1734.4	1718.7	1687.1	1655.5
1466.7	45°	1501.9	1537.2	1583.4	1629.6	1646.7	1663.7	1649.5	1635.3	1599.1	1563.1
1389.7	47.5°	1424.2	1458.6	1504.2	1549.8	1569.5	1589.2	1579.2	1569.3	1537.2	1505.0
1333.8	50°	1366.3	1398.8	1439.6	1480.4	1505.7	1530.9	1530.3	1529.9	1504.2	1478.5
1297.0	52.5°	1326.9	1356.6	1394.6	1432.7	1462.7	1492.6	1498.0	1503.4	1482.5	1461.5
1269.3	55°	1301.4	1333.5	1366.8	1400.1	1431.8	1463.6	1471.1	1478.5	1460.3	1442.1
1231.8	57.5°	1269.5	1307.2	1340.1	1373.2	1405.2	1437.1	1444.6	1452.2	1433.8	1415.3
1181.2	60°	1224.5	1267.8	1301.3	1334.8	1366.9	1399.1	1407.3	1415.6	1397.6	1379.7
1110.0	62.5°	1160.5	1211.0	1246.8	1282.5	1311.9	1341.4	1349.3	1357.3	1341.0	1324.8
1033.9	65°	1088.0	1142.1	1176.3	1210.5	1236.4	1262.3	1270.5	1278.6	1262.9	1247.3
963.4	67.5°	1013.4	1063.4	1095.8	1128.2	1150.5	1172.9	1180.9	1188.8	1174.4	1160.1
893.2	70°	937.1	981.1	1009.0	1037.0	1057.2	1077.4	1085.1	1092.7	1081.0	1069.3
809.6	72.5°	844.2	878.7	904.0	929.3	949.0	968.8	977.9	987.1	977.3	967.6
708.8	75°	734.5	760.2	783.1	806.0	824.0	842.0	851.6	861.1	856.3	851.6
602.1	77.5°	623.0	643.8	663.5	683.2	702.2	721.0	729.9	738.8	732.2	725.4
480.7	80°	498.1	515.4	532.0	548.5	562.9	577.2	589.0	600.9	598.0	595.2
361.5	82.5°	360.1	358.6	352.8	347.0	377.7	408.4	428.5	448.6	447.3	446.0
224.8	85°	217.3	209.8	193.7	177.7	206.4	235.2	260.0	284.9	282.8	280.7
104.4	87.5°	104.1	103.8	91.6	79.3	91.3	103.4	113.4	123.5	121.0	118.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2467.0	2.5°	2459.9	2451.1	2459.9	2467.0	2474.1	2481.7	2489.4	2499.2	2509.1	2521.3
2311.3	5°	2304.0	2296.7	2304.0	2311.3	2318.7	2328.3	2338.0	2351.5	2365.1	2384.6
2218.1	7.5°	2211.6	2206.6	2211.6	2218.1	2224.7	2235.7	2246.8	2262.9	2279.1	2302.1
2192.7	10°	2187.1	2184.8	2187.1	2192.7	2198.3	2208.8	2219.2	2237.5	2255.5	2283.1
2231.9	12.5°	2227.1	2226.3	2227.1	2231.9	2236.6	2248.2	2259.9	2283.3	2306.6	2341.8
2305.5	15°	2299.3	2298.8	2299.3	2305.5	2311.7	2327.9	2344.2	2379.6	2415.0	2465.2
2369.1	17.5°	2361.2	2359.9	2361.2	2369.1	2377.0	2401.1	2425.2	2477.4	2529.6	2596.0
2402.9	20°	2393.1	2390.0	2393.1	2402.9	2412.7	2443.6	2474.4	2538.3	2602.3	2678.2
2400.3	22.5°	2389.4	2384.8	2389.4	2400.3	2411.2	2443.7	2476.1	2542.1	2608.0	2680.5
2359.5	25°	2349.3	2343.3	2349.3	2359.5	2369.8	2397.8	2426.0	2484.4	2543.1	2602.4
2285.3	27.5°	2280.7	2279.1	2280.7	2285.3	2290.0	2308.9	2327.8	2373.3	2418.8	2461.0
2187.4	30°	2187.4	2189.0	2187.4	2187.4	2187.4	2197.2	2206.8	2239.5	2272.1	2304.4
2073.6	32.5°	2074.5	2076.1	2074.5	2073.6	2072.7	2079.1	2085.4	2111.4	2137.4	2167.1
1956.9	35°	1954.9	1953.8	1954.9	1956.9	1959.0	1968.5	1978.2	2002.1	2026.1	2047.2
1842.9	37.5°	1833.6	1828.5	1833.6	1842.9	1852.1	1869.5	1887.0	1909.2	1931.2	1941.0
1735.4	40°	1718.4	1708.3	1718.4	1735.4	1752.6	1777.9	1803.4	1822.1	1840.9	1838.6
1630.5	42.5°	1605.5	1589.2	1605.5	1630.5	1655.5	1687.1	1718.7	1734.4	1750.3	1738.3
1533.7	45°	1504.4	1485.6	1504.4	1533.7	1563.1	1599.1	1635.3	1649.5	1663.7	1646.7
1477.9	47.5°	1450.9	1432.7	1450.9	1477.9	1505.0	1537.2	1569.3	1579.2	1589.2	1569.5
1453.4	50°	1428.4	1411.0	1428.4	1453.4	1478.5	1504.2	1529.9	1530.3	1530.9	1505.7
1439.0	52.5°	1416.7	1400.6	1416.7	1439.0	1461.5	1482.5	1503.4	1498.0	1492.6	1462.7
1422.4	55°	1402.7	1388.2	1402.7	1422.4	1442.1	1460.3	1478.5	1471.1	1463.6	1431.8
1395.8	57.5°	1376.3	1361.2	1376.3	1395.8	1415.3	1433.8	1452.2	1444.6	1437.1	1405.2
1359.6	60°	1339.5	1324.0	1339.5	1359.6	1379.7	1397.6	1415.6	1407.3	1399.1	1366.9
1303.6	62.5°	1282.5	1263.9	1282.5	1303.6	1324.8	1341.0	1357.3	1349.3	1341.4	1311.9
1226.8	65°	1206.4	1190.3	1206.4	1226.8	1247.3	1262.9	1278.6	1270.5	1262.3	1236.4
1141.0	67.5°	1121.9	1107.4	1121.9	1141.0	1160.1	1174.4	1188.8	1180.9	1172.9	1150.5
1051.1	70°	1032.9	1016.3	1032.9	1051.1	1069.3	1081.0	1092.7	1085.1	1077.4	1057.2
950.2	72.5°	932.9	916.8	932.9	950.2	967.6	977.3	987.1	977.9	968.8	949.0
837.0	75°	822.3	807.0	822.3	837.0	851.6	856.3	861.1	851.6	842.0	824.0
710.7	77.5°	696.0	683.7	696.0	710.7	725.4	732.2	738.8	729.9	721.0	702.2
575.4	80°	555.5	532.5	555.5	575.4	595.2	598.0	600.9	589.0	577.2	562.9
429.3	82.5°	412.5	397.8	412.5	429.3	446.0	447.3	448.6	428.5	408.4	377.7
267.7	85°	254.6	241.4	254.6	267.7	280.7	282.8	284.9	260.0	235.2	206.4
111.7	87.5°	104.8	98.4	104.8	111.7	118.3	121.0	123.5	113.4	103.4	91.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2533.4	2.5°	2549.1	2564.8	2580.5	2596.1	2613.9	2631.9	2651.6	2671.5	2696.1	2718.1
2403.9	5°	2429.2	2454.4	2482.2	2509.9	2541.3	2572.8	2610.4	2647.9	2690.9	2734.4
2325.2	7.5°	2356.0	2386.8	2421.9	2456.8	2498.2	2539.7	2589.5	2639.4	2695.0	2754.4
2310.7	10°	2345.4	2380.1	2417.8	2455.4	2496.9	2538.3	2590.9	2643.6	2703.3	2776.6
2377.0	12.5°	2412.8	2448.8	2478.2	2507.8	2535.2	2562.8	2605.6	2648.7	2704.4	2781.3
2515.3	15°	2546.5	2577.7	2585.3	2593.0	2589.3	2585.5	2606.1	2626.7	2671.2	2756.5
2662.4	17.5°	2687.5	2712.7	2688.7	2664.7	2619.5	2574.4	2566.9	2559.3	2586.8	2687.1
2754.1	20°	2765.8	2777.4	2727.2	2676.9	2598.4	2520.0	2484.7	2449.5	2456.8	2573.5
2753.1	22.5°	2746.1	2739.1	2673.7	2608.3	2518.6	2429.1	2377.0	2324.9	2310.7	2443.6
2661.9	25°	2638.0	2613.9	2549.6	2485.3	2404.7	2324.2	2264.1	2204.0	2165.7	2301.9
2503.4	27.5°	2476.6	2449.8	2398.2	2346.7	2280.6	2214.4	2156.3	2098.3	2051.7	2175.7
2336.6	30°	2314.8	2293.1	2250.2	2207.4	2152.5	2097.6	2051.4	2005.4	1968.8	2073.0
2196.7	32.5°	2172.5	2148.4	2107.2	2066.2	2022.3	1978.5	1951.2	1924.0	1907.7	1991.6
2068.3	35°	2039.3	2010.3	1969.6	1929.0	1895.6	1862.1	1854.6	1847.1	1853.8	1923.8
1950.7	37.5°	1914.9	1879.0	1838.4	1797.9	1774.0	1749.9	1758.2	1766.5	1791.2	1852.3
1836.2	40°	1794.9	1753.7	1714.5	1675.4	1658.1	1640.8	1659.5	1678.3	1716.1	1771.5
1726.4	42.5°	1681.9	1637.3	1600.1	1563.1	1548.9	1534.8	1559.6	1584.5	1632.2	1683.2
1629.6	45°	1583.4	1537.2	1501.9	1466.7	1454.7	1442.9	1467.0	1491.3	1537.4	1589.2
1549.8	47.5°	1504.2	1458.6	1424.2	1389.7	1378.7	1367.5	1387.8	1408.1	1447.8	1514.6
1480.4	50°	1439.6	1398.8	1366.3	1333.8	1316.3	1298.9	1316.8	1334.8	1380.9	1468.8
1432.7	52.5°	1394.6	1356.6	1326.9	1297.0	1270.9	1244.7	1262.4	1280.2	1344.7	1445.7
1400.1	55°	1366.8	1333.5	1301.4	1269.3	1232.2	1195.0	1223.1	1251.2	1348.3	1442.3
1373.2	57.5°	1340.1	1307.2	1269.5	1231.8	1191.8	1151.8	1192.8	1233.8	1351.9	1434.8
1334.8	60°	1301.3	1267.8	1224.5	1181.2	1146.2	1111.1	1164.3	1217.5	1340.5	1395.2
1282.5	62.5°	1246.8	1211.0	1160.5	1110.0	1087.8	1065.5	1131.9	1198.4	1312.6	1319.3
1210.5	65°	1176.3	1142.1	1088.0	1033.9	1025.4	1016.8	1087.5	1158.2	1245.2	1244.4
1128.2	67.5°	1095.8	1063.4	1013.4	963.4	966.1	968.8	1027.7	1086.5	1135.4	1137.7
1037.0	70°	1009.0	981.1	937.1	893.2	902.5	911.9	953.7	995.6	1011.6	1011.6
929.3	72.5°	904.0	878.7	844.2	809.6	823.2	836.8	865.5	894.2	894.0	883.9
806.0	75°	783.1	760.2	734.5	708.8	722.0	735.0	757.2	779.2	783.2	736.4
683.2	77.5°	663.5	643.8	623.0	602.1	615.4	628.6	646.3	664.0	666.1	588.9
548.5	80°	532.0	515.4	498.1	480.7	491.9	503.0	517.9	532.7	533.0	440.8
347.0	82.5°	352.8	358.6	360.1	361.5	369.4	377.3	384.5	391.8	387.4	308.7
177.7	85°	193.7	209.8	217.3	224.8	233.6	242.4	250.2	258.0	252.3	193.7
79.3	87.5°	91.6	103.8	104.1	104.4	106.1	107.7	110.8	114.0	106.7	82.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
2699.7	0°	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7	2699.7
2740.9	2.5°	2763.7	2787.6	2811.4	2835.0	2858.7	2881.0	2903.3
2780.5	5°	2826.6	2875.9	2925.3	2974.3	3023.4	3072.7	3121.9
2818.7	7.5°	2883.1	2956.1	3029.1	3104.1	3179.1	3260.3	3341.5
2852.8	10°	2928.9	3017.6	3106.3	3205.4	3304.5	3407.2	3509.8
2867.4	12.5°	2953.5	3058.1	3162.8	3275.1	3387.4	3500.1	3612.9
2856.1	15°	2955.8	3076.3	3196.8	3318.6	3440.4	3558.0	3675.6
2806.9	17.5°	2926.8	3066.6	3206.5	3339.4	3472.3	3591.6	3710.8
2722.1	20°	2870.6	3040.1	3209.6	3355.7	3501.7	3625.7	3749.7
2622.5	22.5°	2801.4	3007.6	3213.7	3377.6	3541.4	3668.1	3794.7
2511.4	25°	2720.9	2975.5	3230.1	3417.4	3604.6	3728.6	3852.7
2409.7	27.5°	2643.8	2954.0	3264.3	3479.6	3694.7	3813.2	3931.5
2324.8	30°	2576.6	2944.0	3311.1	3560.1	3809.0	3923.3	4037.6
2251.6	32.5°	2511.4	2931.6	3351.5	3644.1	3936.6	4049.8	4163.0
2179.6	35°	2435.3	2908.1	3381.2	3739.8	4098.5	4206.9	4315.3
2094.8	37.5°	2337.3	2868.0	3398.8	3847.0	4295.3	4433.5	4571.7
1993.7	40°	2215.9	2812.8	3409.9	3983.2	4556.4	4757.7	4959.1
1882.1	42.5°	2081.0	2755.9	3430.9	4161.2	4891.6	5182.3	5473.0
1763.6	45°	1938.1	2702.9	3467.9	4395.6	5323.3	5715.4	6107.5
1669.9	47.5°	1825.2	2659.2	3493.3	4645.2	5797.2	6349.2	6901.0
1607.6	50°	1746.4	2611.5	3476.7	4876.9	6277.1	7109.2	7941.1
1566.6	52.5°	1687.6	2531.1	3374.6	5027.3	6679.9	7907.5	9135.1
1536.8	55°	1631.4	2397.6	3163.8	4994.1	6824.4	8615.2	10406.2
1501.6	57.5°	1568.4	2209.5	2850.4	4760.8	6671.4	9116.8	11562.3
1447.8	60°	1500.3	1965.2	2430.2	4326.7	6223.2	9242.2	12261.1
1354.1	62.5°	1389.0	1672.9	1956.7	3739.6	5522.5	8714.4	11906.3
1260.9	65°	1277.3	1409.8	1542.3	3140.6	4739.0	7967.6	11196.1
1128.6	67.5°	1119.4	1157.1	1194.7	2553.8	3913.0	7078.8	10244.6
969.0	70°	926.4	915.7	904.9	2010.8	3116.7	6109.0	9101.4
823.5	72.5°	763.0	730.5	698.0	1537.3	2376.5	5057.8	7739.1
668.6	75°	600.9	571.4	542.0	1115.7	1689.4	3852.6	6015.8
523.2	77.5°	457.4	437.3	417.3	756.0	1094.8	2696.5	4298.2
385.2	80°	329.4	321.1	312.9	487.1	661.5	1737.3	2813.1
267.7	82.5°	226.7	225.0	223.6	299.6	375.8	1005.5	1635.3
163.7	85°	133.6	134.5	135.2	160.2	185.2	452.3	719.5
70.0	87.5°	57.8	58.5	59.3	66.4	73.6	148.1	222.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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