

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: P948578

Luminaire Tested: **GALN-SB3C-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948578
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-SB3C-830-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20118 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

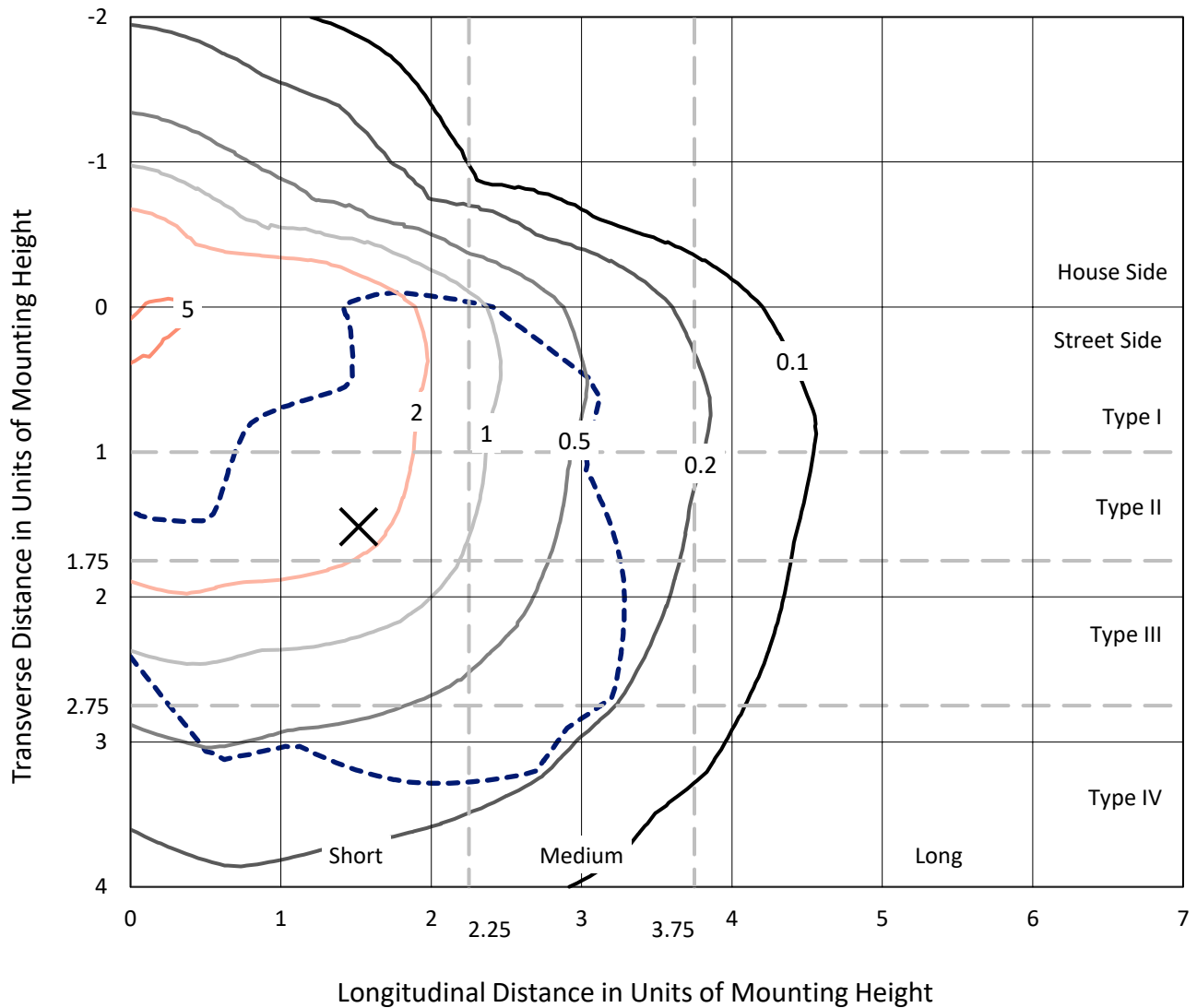
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

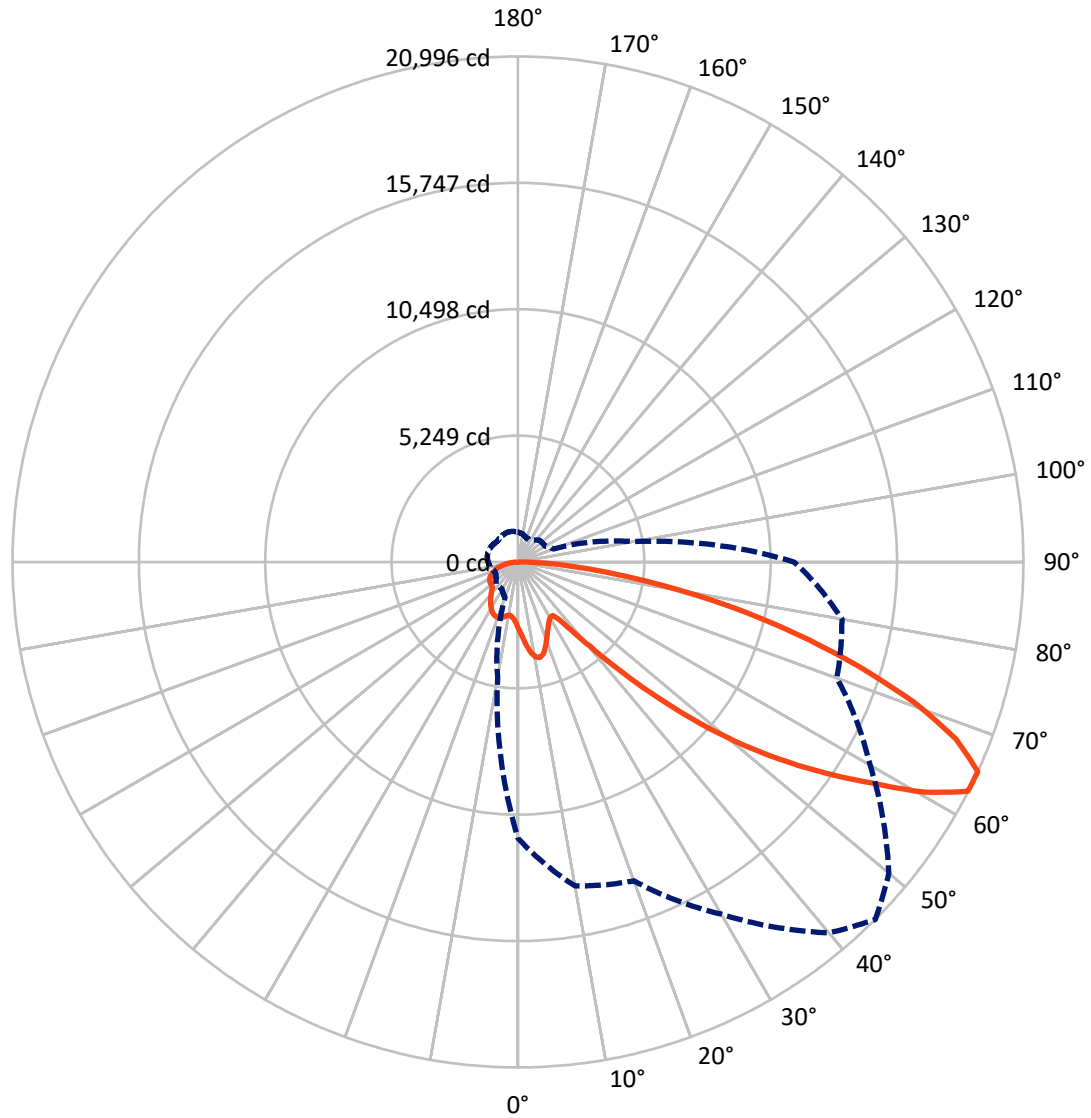
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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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CATALOG NUMBER: GALN-SB3C-830-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5113.0	0.0	5113.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15005.0	0.0	15005.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	20118.0	0.0	20118.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.4	1.4
10°-20°	861.5	4.3
20°-30°	1330.7	6.6
30°-40°	1686.3	8.4
40°-50°	2543.4	12.6
50°-60°	4109.2	20.4
60°-70°	5122.8	25.5
70°-80°	3359.3	16.7
80°-90°	830.5	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°	20118.0	100.0
0°-180°	20118.0	100.0

Coefficient of Utilization



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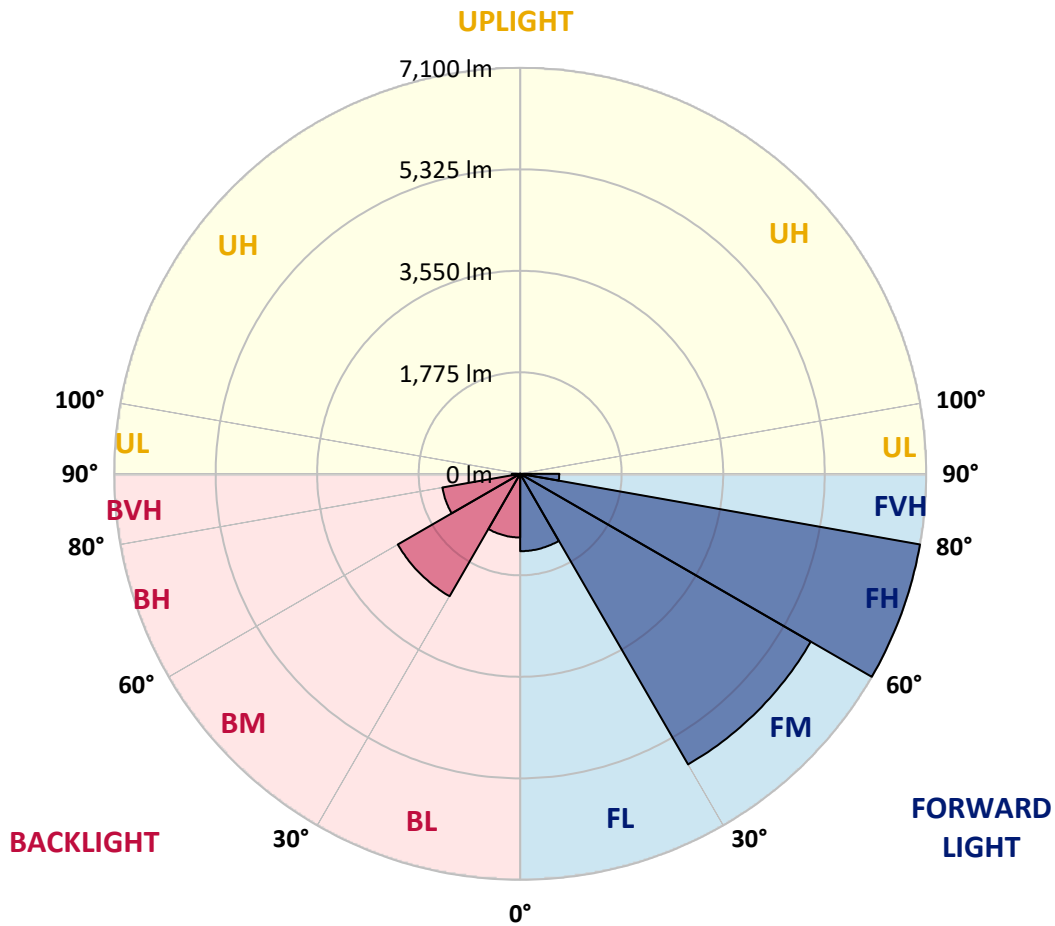
CATALOG NUMBER: GALN-SB3C-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1353.2	6.7			
FM (30°-60°)	5868.0	29.2			
FH (60°-80°)	7099.7	35.3			G3/7500
FVH (80°-90°)	684.1	3.4			G4/750
BL (0°-30°)	1113.4	5.5	B3/2500		
BM (30°-60°)	2470.9	12.3	B2/2500		
BH (60°-80°)	1382.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	146.3	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°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2.5°	2975.0	2986.2	2997.6	3013.6	3029.7	3039.2	3048.8	3053.5	3058.3	3056.2
5°	3199.0	3238.4	3277.9	3316.9	3356.1	3377.3	3398.6	3411.4	3424.3	3434.1
7.5°	3424.0	3488.1	3552.2	3609.8	3667.4	3702.2	3736.9	3755.7	3774.3	3783.4
10°	3596.5	3672.3	3748.1	3815.7	3883.4	3924.3	3965.1	3983.4	4001.5	4008.4
12.5°	3702.2	3784.3	3866.4	3927.5	3988.5	4018.2	4047.9	4057.9	4067.9	4068.9
15°	3766.4	3837.3	3908.1	3946.4	3984.8	3985.9	3987.0	3976.4	3965.7	3953.2
17.5°	3802.5	3850.3	3898.2	3899.0	3899.6	3856.6	3813.6	3774.2	3734.7	3706.9
20°	3842.3	3858.9	3875.7	3825.3	3774.9	3680.0	3585.1	3516.0	3446.9	3404.4
22.5°	3888.5	3866.6	3844.7	3740.3	3635.8	3496.2	3356.6	3270.2	3183.8	3136.9
25°	3947.9	3878.9	3809.9	3651.3	3492.7	3323.2	3153.7	3062.8	2972.1	2927.8
27.5°	4028.6	3905.2	3781.8	3571.7	3361.7	3173.8	2985.9	2896.5	2807.3	2765.3
30°	4137.4	3953.4	3769.6	3511.0	3252.4	3056.6	2860.9	2778.0	2695.1	2656.0
32.5°	4265.8	4013.9	3762.1	3469.6	3177.0	2993.0	2809.1	2744.0	2678.8	2650.7
35°	4421.9	4113.6	3805.4	3500.6	3195.8	3068.0	2940.3	2925.1	2909.9	2907.6
37.5°	4684.6	4322.0	3959.4	3682.3	3405.2	3397.0	3388.7	3458.1	3527.5	3563.6
40°	5081.6	4687.3	4292.9	4086.9	3880.8	4026.2	4171.7	4340.5	4509.3	4593.3
42.5°	5608.2	5216.9	4825.6	4706.9	4588.2	4905.4	5222.6	5529.6	5836.6	6016.9
45°	6258.4	5906.9	5555.3	5503.0	5450.5	5958.7	6467.0	6971.4	7476.0	7782.2
47.5°	7071.5	6729.6	6387.6	6376.9	6366.3	7099.4	7832.3	8570.8	9309.3	9742.9
50°	8137.3	7714.9	7292.6	7294.4	7296.2	8241.0	9185.8	10160.6	11135.4	11724.8
52.5°	9360.7	8849.3	8337.9	8286.2	8234.4	9363.0	10491.5	11697.6	12903.7	13610.1
55°	10663.3	10158.0	9652.7	9451.1	9249.5	10505.5	11761.4	13199.3	14637.2	15477.4
57.5°	11848.0	11572.8	11297.5	10893.2	10489.0	11757.2	13025.4	14654.1	16282.6	17324.5
60°	12564.0	12991.4	13418.8	12916.7	12414.6	13614.8	14815.0	16558.7	18302.4	19428.5
62.5°	12200.4	13368.2	14536.0	14479.4	14422.7	15522.2	16621.7	18280.7	19939.6	20980.5
65°	11472.7	12568.7	13664.8	13881.7	14098.4	15495.7	16893.0	18501.6	20110.2	20996.4
67.5°	10497.7	11540.1	12582.5	12684.2	12785.8	14241.6	15697.3	17312.9	18928.5	19622.7
70°	9326.2	10460.1	11594.0	11639.5	11685.0	12986.9	14288.7	15679.0	17069.2	17455.1
72.5°	7930.3	9231.4	10532.7	10565.4	10598.0	11616.5	12635.1	13676.4	14717.5	14756.6
75°	6164.4	7511.1	8857.8	8978.7	9099.6	9892.0	10684.5	11417.5	12150.5	11954.1
77.5°	4404.4	5661.5	6918.6	7091.7	7264.7	7867.1	8469.6	8989.4	9509.4	9171.8
80°	2882.6	3940.3	4997.8	5212.8	5427.9	5882.9	6337.7	6610.7	6883.6	6340.6
82.5°	1675.7	2398.7	3121.8	3362.0	3602.4	3915.5	4228.7	4342.6	4456.4	4029.6
85°	737.2	1121.0	1504.7	1709.1	1913.4	2170.8	2428.0	2492.6	2557.3	2215.5
87.5°	228.2	357.2	486.2	600.2	714.2	842.9	971.5	977.1	982.5	824.8
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°
2766.4	0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
3058.3	2.5°	3053.5	3048.8	3039.2	3029.7	3013.6	2997.6	2986.2	2975.0	2952.2	2929.3
3424.3	5°	3411.4	3398.6	3377.3	3356.1	3316.9	3277.9	3238.4	3199.0	3148.6	3098.1
3774.3	7.5°	3755.7	3736.9	3702.2	3667.4	3609.8	3552.2	3488.1	3424.0	3340.8	3257.7
4001.5	10°	3983.4	3965.1	3924.3	3883.4	3815.7	3748.1	3672.3	3596.5	3491.3	3386.1
4067.9	12.5°	4057.9	4047.9	4018.2	3988.5	3927.5	3866.4	3784.3	3702.2	3586.6	3471.1
3965.7	15°	3976.4	3987.0	3985.9	3984.8	3946.4	3908.1	3837.3	3766.4	3645.9	3525.4
3734.7	17.5°	3774.2	3813.6	3856.6	3899.6	3899.0	3898.2	3850.3	3802.5	3680.3	3558.1
3446.9	20°	3516.0	3585.1	3680.0	3774.9	3825.3	3875.7	3858.9	3842.3	3715.3	3588.2
3183.8	22.5°	3270.2	3356.6	3496.2	3635.8	3740.3	3844.7	3866.6	3888.5	3758.7	3628.9
2972.1	25°	3062.8	3153.7	3323.2	3492.7	3651.3	3809.9	3878.9	3947.9	3820.7	3693.7
2807.3	27.5°	2896.5	2985.9	3173.8	3361.7	3571.7	3781.8	3905.2	4028.6	3907.4	3786.0
2695.1	30°	2778.0	2860.9	3056.6	3252.4	3511.0	3769.6	3953.4	4137.4	4020.2	3903.1
2678.8	32.5°	2744.0	2809.1	2993.0	3177.0	3469.6	3762.1	4013.9	4265.8	4149.8	4033.9
2909.9	35°	2925.1	2940.3	3068.0	3195.8	3500.6	3805.4	4113.6	4421.9	4310.8	4199.7
3527.5	37.5°	3458.1	3388.7	3397.0	3405.2	3682.3	3959.4	4322.0	4684.6	4543.0	4401.4
4509.3	40°	4340.5	4171.7	4026.2	3880.8	4086.9	4292.9	4687.3	5081.6	4875.3	4668.9
5836.6	42.5°	5529.6	5222.6	4905.4	4588.2	4706.9	4825.6	5216.9	5608.2	5310.3	5012.4
7476.0	45°	6971.4	6467.0	5958.7	5450.5	5503.0	5555.3	5906.9	6258.4	5856.6	5454.8
9309.3	47.5°	8570.8	7832.3	7099.4	6366.3	6376.9	6387.6	6729.6	7071.5	6506.0	5940.4
11135.4	50°	10160.6	9185.8	8241.0	7296.2	7294.4	7292.6	7714.9	8137.3	7284.8	6432.1
12903.7	52.5°	11697.6	10491.5	9363.0	8234.4	8286.2	8337.9	8849.3	9360.7	8102.8	6844.9
14637.2	55°	13199.3	11761.4	10505.5	9249.5	9451.1	9652.7	10158.0	10663.3	8828.1	6993.0
16282.6	57.5°	14654.1	13025.4	11757.2	10489.0	10893.2	11297.5	11572.8	11848.0	9342.1	6836.2
18302.4	60°	16558.7	14815.0	13614.8	12414.6	12916.7	13418.8	12991.4	12564.0	9470.5	6376.9
19939.6	62.5°	18280.7	16621.7	15522.2	14422.7	14479.4	14536.0	13368.2	12200.4	8929.6	5658.9
20110.2	65°	18501.6	16893.0	15495.7	14098.4	13881.7	13664.8	12568.7	11472.7	8164.4	4856.1
18928.5	67.5°	17312.9	15697.3	14241.6	12785.8	12684.2	12582.5	11540.1	10497.7	7253.7	4009.7
17069.2	70°	15679.0	14288.7	12986.9	11685.0	11639.5	11594.0	10460.1	9326.2	6260.0	3193.7
14717.5	72.5°	13676.4	12635.1	11616.5	10598.0	10565.4	10532.7	9231.4	7930.3	5182.7	2435.2
12150.5	75°	11417.5	10684.5	9892.0	9099.6	8978.7	8857.8	7511.1	6164.4	3947.8	1731.2
9509.4	77.5°	8989.4	8469.6	7867.1	7264.7	7091.7	6918.6	5661.5	4404.4	2763.1	1121.8
6883.6	80°	6610.7	6337.7	5882.9	5427.9	5212.8	4997.8	3940.3	2882.6	1780.2	677.8
4456.4	82.5°	4342.6	4228.7	3915.5	3602.4	3362.0	3121.8	2398.7	1675.7	1030.3	385.1
2557.3	85°	2492.6	2428.0	2170.8	1913.4	1709.1	1504.7	1121.0	737.2	463.5	189.8
982.5	87.5°	977.1	971.5	842.9	714.2	600.2	486.2	357.2	228.2	151.8	75.4
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°
2766.4	0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2905.0	2.5°	2880.8	2856.4	2832.0	2808.6	2785.3	2762.7	2737.5	2717.1	2696.9	2678.5
3047.8	5°	2997.6	2947.0	2896.4	2849.2	2802.0	2757.4	2713.3	2674.9	2636.4	2604.1
3180.8	7.5°	3104.0	3029.1	2954.3	2888.4	2822.4	2761.6	2704.6	2653.4	2602.4	2559.9
3284.5	10°	3183.1	3092.2	3001.2	2923.3	2845.2	2770.1	2708.9	2654.9	2601.0	2558.5
3356.0	12.5°	3240.9	3133.7	3026.5	2938.3	2850.0	2771.2	2714.2	2670.0	2626.1	2597.8
3400.6	15°	3275.7	3152.3	3028.8	2926.7	2824.6	2737.2	2691.6	2670.4	2649.4	2653.2
3421.9	17.5°	3285.7	3142.4	2999.1	2876.3	2753.4	2650.7	2622.6	2630.3	2638.0	2684.2
3438.6	20°	3288.9	3115.2	2941.6	2789.3	2637.1	2517.5	2510.0	2546.1	2582.2	2662.6
3461.1	22.5°	3293.1	3081.9	2870.6	2687.3	2504.0	2367.8	2382.3	2435.7	2489.1	2580.8
3501.8	25°	3309.9	3049.0	2788.2	2573.4	2358.8	2219.2	2258.4	2320.0	2381.6	2464.1
3565.5	27.5°	3344.9	3027.0	2709.1	2469.3	2229.5	2102.4	2150.2	2209.6	2269.1	2336.9
3648.0	30°	3392.9	3016.7	2640.3	2382.2	2124.2	2017.5	2054.9	2102.1	2149.4	2205.7
3734.1	32.5°	3434.3	3004.0	2573.4	2307.2	2040.8	1954.8	1971.5	1999.4	2027.3	2072.3
3832.2	35°	3464.7	2980.0	2495.5	2233.4	1971.3	1899.6	1892.7	1900.4	1908.1	1942.4
3942.1	37.5°	3482.7	2938.9	2395.1	2146.6	1898.1	1835.4	1810.2	1801.7	1793.2	1817.8
4081.6	40°	3494.1	2882.3	2270.7	2043.0	1815.2	1758.5	1719.7	1700.5	1681.3	1699.0
4264.0	42.5°	3515.6	2823.9	2132.4	1928.6	1724.8	1672.5	1623.6	1598.2	1572.7	1587.1
4504.2	45°	3553.5	2769.7	1985.9	1807.2	1628.4	1575.3	1528.1	1503.3	1478.5	1490.6
4760.0	47.5°	3579.5	2724.9	1870.2	1711.1	1552.0	1483.5	1442.9	1422.1	1401.2	1412.7
4997.4	50°	3562.6	2676.1	1789.6	1647.3	1505.1	1415.0	1367.8	1349.3	1331.0	1348.8
5151.5	52.5°	3458.0	2593.6	1729.3	1605.3	1481.4	1377.9	1311.9	1293.6	1275.5	1302.3
5117.5	55°	3242.0	2456.9	1671.7	1574.8	1477.9	1381.6	1282.1	1253.3	1224.5	1262.6
4878.5	57.5°	2920.9	2264.1	1607.2	1538.7	1470.2	1385.3	1264.3	1222.3	1180.2	1221.2
4433.6	60°	2490.2	2013.8	1537.3	1483.5	1429.7	1373.6	1247.5	1193.1	1138.5	1174.5
3832.0	62.5°	2005.1	1714.2	1423.3	1387.6	1351.9	1345.0	1228.0	1159.8	1091.8	1114.6
3218.2	65°	1580.4	1444.7	1308.9	1292.0	1275.1	1276.0	1186.8	1114.4	1041.9	1050.7
2616.9	67.5°	1224.2	1185.6	1147.0	1156.5	1165.8	1163.5	1113.4	1053.1	992.8	990.0
2060.5	70°	927.3	938.3	949.2	993.0	1036.6	1036.6	1020.1	977.3	934.4	924.8
1575.2	72.5°	715.3	748.5	781.8	843.8	905.7	916.1	916.3	886.9	857.5	843.5
1143.3	75°	555.4	585.6	615.7	685.1	754.5	802.5	798.5	775.9	753.2	739.8
774.7	77.5°	427.6	448.1	468.7	536.1	603.5	682.6	680.5	662.3	644.1	630.6
499.1	80°	320.6	329.1	337.6	394.7	451.7	546.2	545.8	530.7	515.4	504.0
307.0	82.5°	229.1	230.6	232.3	274.3	316.3	397.0	401.5	394.0	386.6	378.5
164.1	85°	138.5	137.8	136.9	167.7	198.5	258.5	264.3	256.4	248.4	239.4
68.0	87.5°	60.7	60.0	59.2	71.8	84.4	109.3	116.8	113.6	110.4	108.7
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°
2766.4	0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2660.2	2.5°	2644.2	2628.2	2612.0	2596.0	2583.6	2571.1	2561.0	2550.9	2543.0	2535.2
2571.9	5°	2543.5	2515.0	2489.2	2463.3	2443.5	2423.5	2409.6	2395.7	2385.8	2376.0
2517.5	7.5°	2481.7	2445.8	2414.2	2382.6	2359.0	2335.4	2318.8	2302.3	2290.9	2279.7
2516.1	10°	2477.6	2438.9	2403.3	2367.8	2339.5	2311.2	2292.7	2274.1	2263.3	2252.6
2569.8	12.5°	2539.4	2509.3	2472.5	2435.7	2399.6	2363.5	2339.7	2315.8	2303.8	2291.9
2657.1	15°	2649.2	2641.3	2609.4	2577.4	2526.1	2474.7	2438.4	2402.1	2385.4	2368.8
2730.5	17.5°	2755.1	2779.7	2753.9	2728.2	2660.1	2592.1	2538.6	2485.1	2460.5	2435.7
2743.0	20°	2794.5	2846.0	2834.1	2822.1	2744.3	2666.6	2601.0	2535.5	2504.0	2472.3
2672.8	22.5°	2739.8	2806.7	2814.0	2821.1	2746.8	2672.5	2604.9	2537.3	2504.1	2470.8
2546.7	25°	2612.6	2678.5	2703.1	2727.7	2666.7	2605.9	2545.8	2485.9	2457.1	2428.3
2404.6	27.5°	2457.5	2510.4	2537.7	2565.2	2521.8	2478.5	2431.9	2385.3	2366.0	2346.6
2261.9	30°	2305.8	2349.7	2372.0	2394.3	2361.3	2328.2	2294.9	2261.3	2251.4	2241.5
2117.3	32.5°	2159.3	2201.4	2226.2	2251.0	2220.7	2190.2	2163.5	2136.9	2130.4	2123.9
1976.6	35°	2018.2	2059.9	2089.7	2119.4	2097.7	2076.2	2051.6	2027.0	2017.2	2007.4
1842.3	37.5°	1883.8	1925.4	1962.2	1998.9	1988.9	1978.9	1956.3	1933.6	1915.7	1897.8
1716.7	40°	1756.9	1797.0	1839.2	1881.6	1884.0	1886.4	1867.2	1847.9	1821.8	1795.9
1601.7	42.5°	1639.7	1677.8	1723.4	1769.1	1781.3	1793.5	1777.2	1761.1	1728.7	1696.4
1502.9	45°	1539.0	1575.1	1622.5	1669.8	1687.3	1704.8	1690.2	1675.7	1638.6	1601.7
1424.1	47.5°	1459.4	1494.7	1541.4	1588.1	1608.2	1628.4	1618.2	1608.0	1575.1	1542.2
1366.7	50°	1400.1	1433.3	1475.1	1517.0	1542.9	1568.8	1568.1	1567.7	1541.4	1515.0
1329.1	52.5°	1359.6	1390.1	1429.1	1468.1	1498.8	1529.5	1535.0	1540.5	1519.1	1497.6
1300.6	55°	1333.5	1366.4	1400.6	1434.7	1467.2	1499.8	1507.4	1515.0	1496.4	1477.7
1262.2	57.5°	1300.8	1339.5	1373.2	1407.1	1439.9	1472.6	1480.3	1488.1	1469.2	1450.3
1210.4	60°	1254.8	1299.1	1333.4	1367.8	1400.7	1433.6	1442.1	1450.6	1432.1	1413.8
1137.5	62.5°	1189.1	1241.0	1277.6	1314.2	1344.3	1374.5	1382.7	1390.8	1374.2	1357.5
1059.4	65°	1114.8	1170.4	1205.4	1240.4	1267.0	1293.5	1301.9	1310.2	1294.1	1278.1
987.2	67.5°	1038.4	1089.7	1122.9	1156.0	1179.0	1201.9	1210.1	1218.1	1203.4	1188.7
915.3	70°	960.3	1005.3	1033.9	1062.6	1083.3	1104.0	1111.9	1119.7	1107.7	1095.7
829.6	72.5°	865.1	900.4	926.3	952.2	972.5	992.8	1002.1	1011.4	1001.5	991.5
726.3	75°	752.6	779.0	802.4	825.9	844.4	862.8	872.6	882.4	877.5	872.6
617.0	77.5°	638.4	659.8	679.9	700.1	719.5	738.8	748.0	757.1	750.3	743.3
492.6	80°	510.4	528.1	545.1	562.1	576.8	591.5	603.6	615.7	612.7	609.9
370.5	82.5°	369.0	367.5	361.6	355.6	387.0	418.5	439.1	459.7	458.4	457.0
230.4	85°	222.7	215.0	198.5	182.1	211.5	241.0	266.4	291.9	289.8	287.7
107.0	87.5°	106.7	106.4	93.8	81.2	93.5	105.9	116.2	126.5	124.0	121.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2766.4	0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2528.0	2.5°	2520.6	2511.6	2520.6	2528.0	2535.2	2543.0	2550.9	2561.0	2571.1	2583.6
2368.4	5°	2360.9	2353.5	2360.9	2368.4	2376.0	2385.8	2395.7	2409.6	2423.5	2443.5
2272.9	7.5°	2266.2	2261.1	2266.2	2272.9	2279.7	2290.9	2302.3	2318.8	2335.4	2359.0
2246.9	10°	2241.1	2238.8	2241.1	2246.9	2252.6	2263.3	2274.1	2292.7	2311.2	2339.5
2287.0	12.5°	2282.1	2281.3	2282.1	2287.0	2291.9	2303.8	2315.8	2339.7	2363.5	2399.6
2362.5	15°	2356.1	2355.6	2356.1	2362.5	2368.8	2385.4	2402.1	2438.4	2474.7	2526.1
2427.7	17.5°	2419.5	2418.2	2419.5	2427.7	2435.7	2460.5	2485.1	2538.6	2592.1	2660.1
2462.3	20°	2452.2	2449.0	2452.2	2462.3	2472.3	2504.0	2535.5	2601.0	2666.6	2744.3
2459.6	22.5°	2448.5	2443.7	2448.5	2459.6	2470.8	2504.1	2537.3	2604.9	2672.5	2746.8
2417.8	25°	2407.4	2401.2	2407.4	2417.8	2428.3	2457.1	2485.9	2545.8	2605.9	2666.7
2341.8	27.5°	2337.0	2335.4	2337.0	2341.8	2346.6	2366.0	2385.3	2431.9	2478.5	2521.8
2241.5	30°	2241.5	2243.1	2241.5	2241.5	2241.5	2251.4	2261.3	2294.9	2328.2	2361.3
2124.8	32.5°	2125.8	2127.3	2125.8	2124.8	2123.9	2130.4	2136.9	2163.5	2190.2	2220.7
2005.3	35°	2003.1	2002.1	2003.1	2005.3	2007.4	2017.2	2027.0	2051.6	2076.2	2097.7
1888.4	37.5°	1878.9	1873.6	1878.9	1888.4	1897.8	1915.7	1933.6	1956.3	1978.9	1988.9
1778.3	40°	1760.9	1750.5	1760.9	1778.3	1795.9	1821.8	1847.9	1867.2	1886.4	1884.0
1670.8	42.5°	1645.2	1628.4	1645.2	1670.8	1696.4	1728.7	1761.1	1777.2	1793.5	1781.3
1571.6	45°	1541.6	1522.3	1541.6	1571.6	1601.7	1638.6	1675.7	1690.2	1704.8	1687.3
1514.4	47.5°	1486.7	1468.1	1486.7	1514.4	1542.2	1575.1	1608.0	1618.2	1628.4	1608.2
1489.4	50°	1463.7	1445.8	1463.7	1489.4	1515.0	1541.4	1567.7	1568.1	1568.8	1542.9
1474.6	52.5°	1451.7	1435.2	1451.7	1474.6	1497.6	1519.1	1540.5	1535.0	1529.5	1498.8
1457.5	55°	1437.3	1422.5	1437.3	1457.5	1477.7	1496.4	1515.0	1507.4	1499.8	1467.2
1430.3	57.5°	1410.3	1394.9	1410.3	1430.3	1450.3	1469.2	1488.1	1480.3	1472.6	1439.9
1393.2	60°	1372.6	1356.7	1372.6	1393.2	1413.8	1432.1	1450.6	1442.1	1433.6	1400.7
1335.9	62.5°	1314.2	1295.1	1314.2	1335.9	1357.5	1374.2	1390.8	1382.7	1374.5	1344.3
1257.1	65°	1236.2	1219.7	1236.2	1257.1	1278.1	1294.1	1310.2	1301.9	1293.5	1267.0
1169.2	67.5°	1149.7	1134.8	1149.7	1169.2	1188.7	1203.4	1218.1	1210.1	1201.9	1179.0
1077.0	70°	1058.4	1041.4	1058.4	1077.0	1095.7	1107.7	1119.7	1111.9	1104.0	1083.3
973.7	72.5°	955.9	939.5	955.9	973.7	991.5	1001.5	1011.4	1002.1	992.8	972.5
857.6	75°	842.7	826.9	842.7	857.6	872.6	877.5	882.4	872.6	862.8	844.4
728.2	77.5°	713.1	700.6	713.1	728.2	743.3	750.3	757.1	748.0	738.8	719.5
589.6	80°	569.2	545.6	569.2	589.6	609.9	612.7	615.7	603.6	591.5	576.8
439.9	82.5°	422.7	407.6	422.7	439.9	457.0	458.4	459.7	439.1	418.5	387.0
274.3	85°	260.9	247.3	260.9	274.3	287.7	289.8	291.9	266.4	241.0	211.5
114.4	87.5°	107.4	100.8	107.4	114.4	121.2	124.0	126.5	116.2	105.9	93.5
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2766.4	0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2596.0	2.5°	2612.0	2628.2	2644.2	2660.2	2678.5	2696.9	2717.1	2737.5	2762.7	2785.3
2463.3	5°	2489.2	2515.0	2543.5	2571.9	2604.1	2636.4	2674.9	2713.3	2757.4	2802.0
2382.6	7.5°	2414.2	2445.8	2481.7	2517.5	2559.9	2602.4	2653.4	2704.6	2761.6	2822.4
2367.8	10°	2403.3	2438.9	2477.6	2516.1	2558.5	2601.0	2654.9	2708.9	2770.1	2845.2
2435.7	12.5°	2472.5	2509.3	2539.4	2569.8	2597.8	2626.1	2670.0	2714.2	2771.2	2850.0
2577.4	15°	2609.4	2641.3	2649.2	2657.1	2653.2	2649.4	2670.4	2691.6	2737.2	2824.6
2728.2	17.5°	2753.9	2779.7	2755.1	2730.5	2684.2	2638.0	2630.3	2622.6	2650.7	2753.4
2822.1	20°	2834.1	2846.0	2794.5	2743.0	2662.6	2582.2	2546.1	2510.0	2517.5	2637.1
2821.1	22.5°	2814.0	2806.7	2739.8	2672.8	2580.8	2489.1	2435.7	2382.3	2367.8	2504.0
2727.7	25°	2703.1	2678.5	2612.6	2546.7	2464.1	2381.6	2320.0	2258.4	2219.2	2358.8
2565.2	27.5°	2537.7	2510.4	2457.5	2404.6	2336.9	2269.1	2209.6	2150.2	2102.4	2229.5
2394.3	30°	2372.0	2349.7	2305.8	2261.9	2205.7	2149.4	2102.1	2054.9	2017.5	2124.2
2251.0	32.5°	2226.2	2201.4	2159.3	2117.3	2072.3	2027.3	1999.4	1971.5	1954.8	2040.8
2119.4	35°	2089.7	2059.9	2018.2	1976.6	1942.4	1908.1	1900.4	1892.7	1899.6	1971.3
1998.9	37.5°	1962.2	1925.4	1883.8	1842.3	1817.8	1793.2	1801.7	1810.2	1835.4	1898.1
1881.6	40°	1839.2	1797.0	1756.9	1716.7	1699.0	1681.3	1700.5	1719.7	1758.5	1815.2
1769.1	42.5°	1723.4	1677.8	1639.7	1601.7	1587.1	1572.7	1598.2	1623.6	1672.5	1724.8
1669.8	45°	1622.5	1575.1	1539.0	1502.9	1490.6	1478.5	1503.3	1528.1	1575.3	1628.4
1588.1	47.5°	1541.4	1494.7	1459.4	1424.1	1412.7	1401.2	1422.1	1442.9	1483.5	1552.0
1517.0	50°	1475.1	1433.3	1400.1	1366.7	1348.8	1331.0	1349.3	1367.8	1415.0	1505.1
1468.1	52.5°	1429.1	1390.1	1359.6	1329.1	1302.3	1275.5	1293.6	1311.9	1377.9	1481.4
1434.7	55°	1400.6	1366.4	1333.5	1300.6	1262.6	1224.5	1253.3	1282.1	1381.6	1477.9
1407.1	57.5°	1373.2	1339.5	1300.8	1262.2	1221.2	1180.2	1222.3	1264.3	1385.3	1470.2
1367.8	60°	1333.4	1299.1	1254.8	1210.4	1174.5	1138.5	1193.1	1247.5	1373.6	1429.7
1314.2	62.5°	1277.6	1241.0	1189.1	1137.5	1114.6	1091.8	1159.8	1228.0	1345.0	1351.9
1240.4	65°	1205.4	1170.4	1114.8	1059.4	1050.7	1041.9	1114.4	1186.8	1276.0	1275.1
1156.0	67.5°	1122.9	1089.7	1038.4	987.2	990.0	992.8	1053.1	1113.4	1163.5	1165.8
1062.6	70°	1033.9	1005.3	960.3	915.3	924.8	934.4	977.3	1020.1	1036.6	1036.6
952.2	72.5°	926.3	900.4	865.1	829.6	843.5	857.5	886.9	916.3	916.1	905.7
825.9	75°	802.4	779.0	752.6	726.3	739.8	753.2	775.9	798.5	802.5	754.5
700.1	77.5°	679.9	659.8	638.4	617.0	630.6	644.1	662.3	680.5	682.6	603.5
562.1	80°	545.1	528.1	510.4	492.6	504.0	515.4	530.7	545.8	546.2	451.7
355.6	82.5°	361.6	367.5	369.0	370.5	378.5	386.6	394.0	401.5	397.0	316.3
182.1	85°	198.5	215.0	222.7	230.4	239.4	248.4	256.4	264.3	258.5	198.5
81.2	87.5°	93.8	106.4	106.7	107.0	108.7	110.4	113.6	116.8	109.3	84.4
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°
2766.4	0°	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4	2766.4
2808.6	2.5°	2832.0	2856.4	2880.8	2905.0	2929.3	2952.2	2975.0
2849.2	5°	2896.4	2947.0	2997.6	3047.8	3098.1	3148.6	3199.0
2888.4	7.5°	2954.3	3029.1	3104.0	3180.8	3257.7	3340.8	3424.0
2923.3	10°	3001.2	3092.2	3183.1	3284.5	3386.1	3491.3	3596.5
2938.3	12.5°	3026.5	3133.7	3240.9	3356.0	3471.1	3586.6	3702.2
2926.7	15°	3028.8	3152.3	3275.7	3400.6	3525.4	3645.9	3766.4
2876.3	17.5°	2999.1	3142.4	3285.7	3421.9	3558.1	3680.3	3802.5
2789.3	20°	2941.6	3115.2	3288.9	3438.6	3588.2	3715.3	3842.3
2687.3	22.5°	2870.6	3081.9	3293.1	3461.1	3628.9	3758.7	3888.5
2573.4	25°	2788.2	3049.0	3309.9	3501.8	3693.7	3820.7	3947.9
2469.3	27.5°	2709.1	3027.0	3344.9	3565.5	3786.0	3907.4	4028.6
2382.2	30°	2640.3	3016.7	3392.9	3648.0	3903.1	4020.2	4137.4
2307.2	32.5°	2573.4	3004.0	3434.3	3734.1	4033.9	4149.8	4265.8
2233.4	35°	2495.5	2980.0	3464.7	3832.2	4199.7	4310.8	4421.9
2146.6	37.5°	2395.1	2938.9	3482.7	3942.1	4401.4	4543.0	4684.6
2043.0	40°	2270.7	2882.3	3494.1	4081.6	4668.9	4875.3	5081.6
1928.6	42.5°	2132.4	2823.9	3515.6	4264.0	5012.4	5310.3	5608.2
1807.2	45°	1985.9	2769.7	3553.5	4504.2	5454.8	5856.6	6258.4
1711.1	47.5°	1870.2	2724.9	3579.5	4760.0	5940.4	6506.0	7071.5
1647.3	50°	1789.6	2676.1	3562.6	4997.4	6432.1	7284.8	8137.3
1605.3	52.5°	1729.3	2593.6	3458.0	5151.5	6844.9	8102.8	9360.7
1574.8	55°	1671.7	2456.9	3242.0	5117.5	6993.0	8828.1	10663.3
1538.7	57.5°	1607.2	2264.1	2920.9	4878.5	6836.2	9342.1	11848.0
1483.5	60°	1537.3	2013.8	2490.2	4433.6	6376.9	9470.5	12564.0
1387.6	62.5°	1423.3	1714.2	2005.1	3832.0	5658.9	8929.6	12200.4
1292.0	65°	1308.9	1444.7	1580.4	3218.2	4856.1	8164.4	11472.7
1156.5	67.5°	1147.0	1185.6	1224.2	2616.9	4009.7	7253.7	10497.7
993.0	70°	949.2	938.3	927.3	2060.5	3193.7	6260.0	9326.2
843.8	72.5°	781.8	748.5	715.3	1575.2	2435.2	5182.7	7930.3
685.1	75°	615.7	585.6	555.4	1143.3	1731.2	3947.8	6164.4
536.1	77.5°	468.7	448.1	427.6	774.7	1121.8	2763.1	4404.4
394.7	80°	337.6	329.1	320.6	499.1	677.8	1780.2	2882.6
274.3	82.5°	232.3	230.6	229.1	307.0	385.1	1030.3	1675.7
167.7	85°	136.9	137.8	138.5	164.1	189.8	463.5	737.2
71.8	87.5°	59.2	60.0	60.7	68.0	75.4	151.8	228.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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