

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: P948620

Luminaire Tested: **GALN-SB3C-840-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948620
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-840-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21416 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

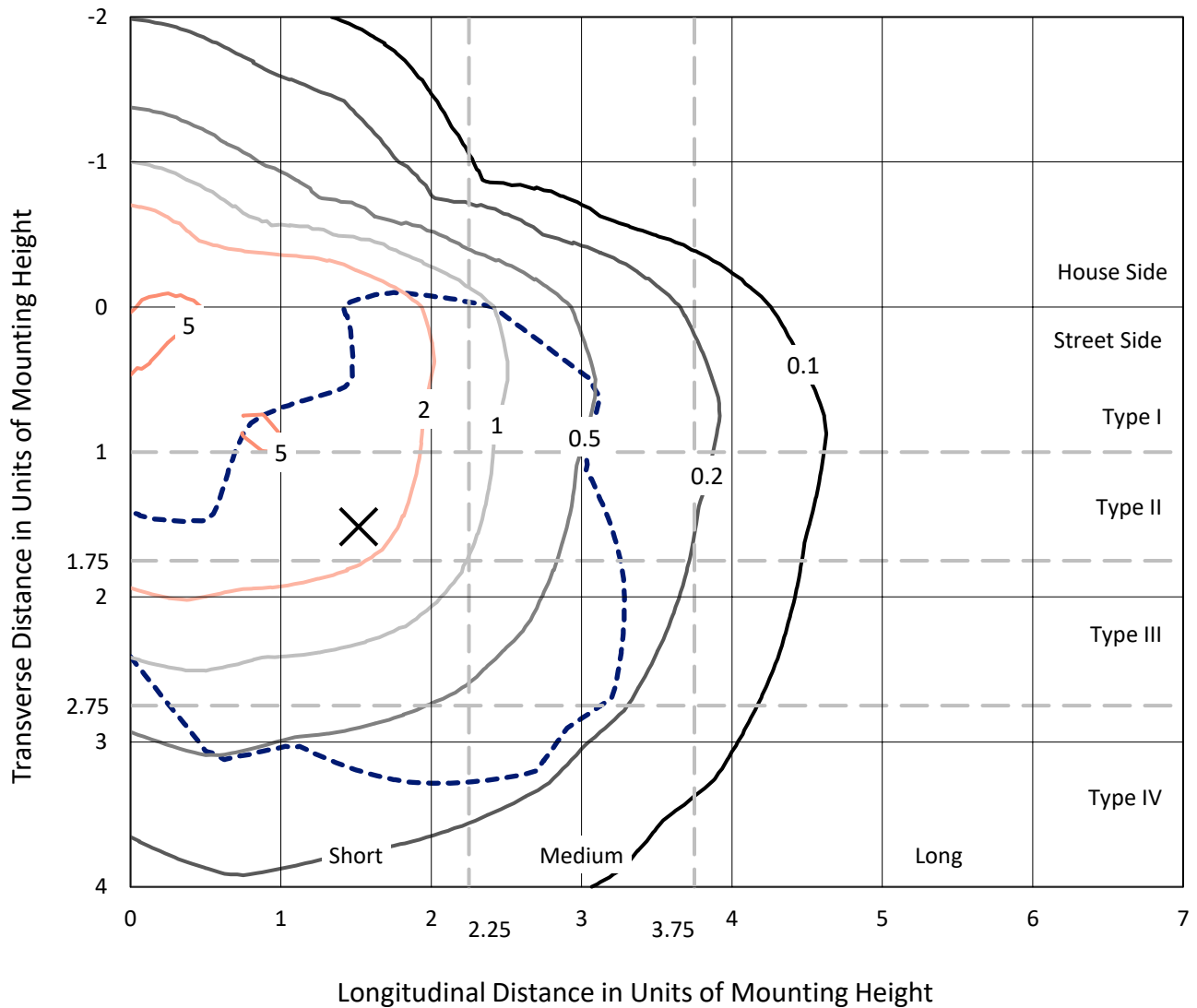
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

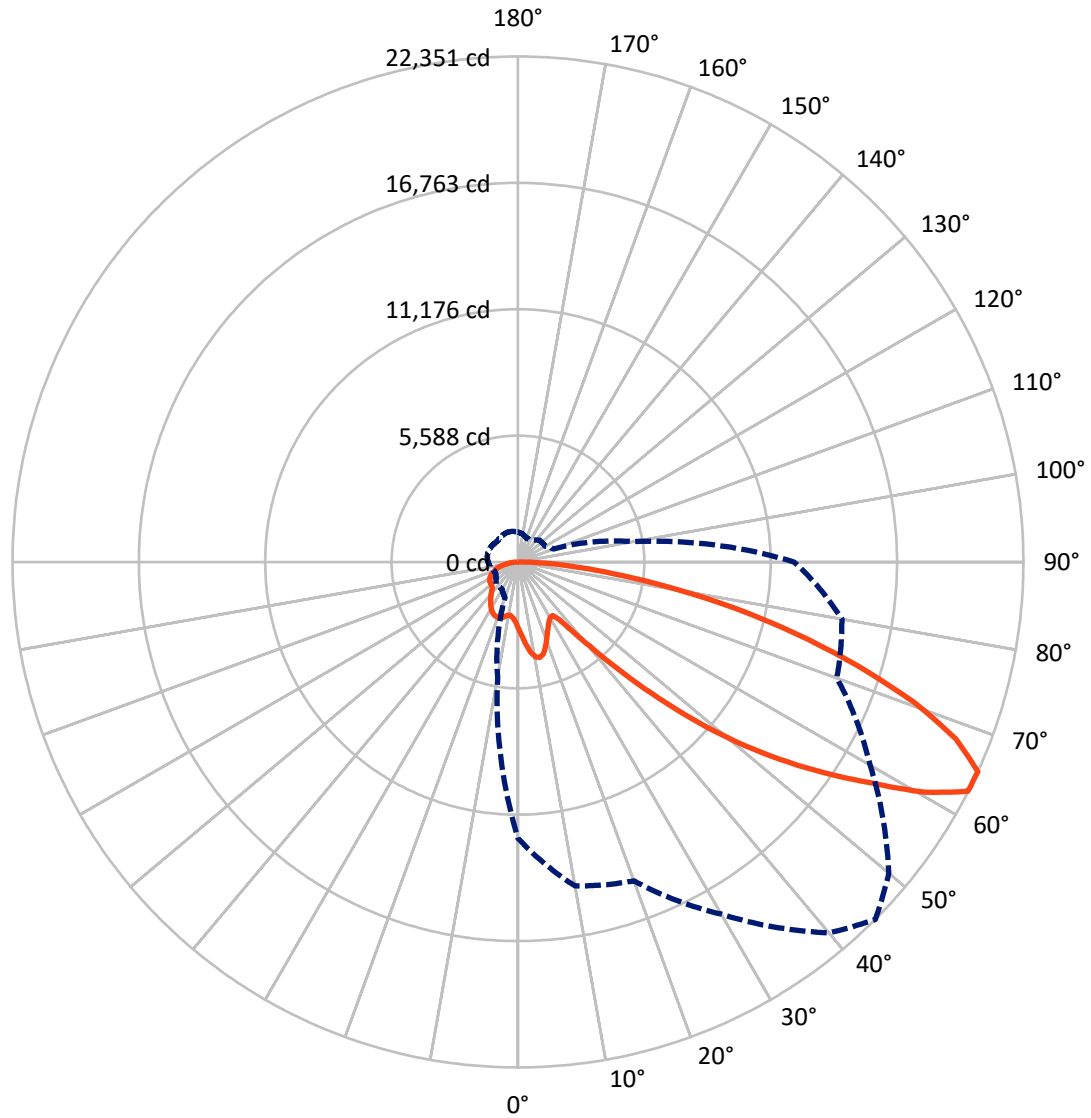
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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-840-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5442.9	0.0	5442.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	15973.1	0.0	15973.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	21416.0	0.0	21416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.1	1.4
10°-20°	917.1	4.3
20°-30°	1416.5	6.6
30°-40°	1795.1	8.4
40°-50°	2707.5	12.6
50°-60°	4374.3	20.4
60°-70°	5453.3	25.5
70°-80°	3576.0	16.7
80°-90°	884.1	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°	21416.0	100.0
0°-180°	21416.0	100.0

Coefficient of Utilization



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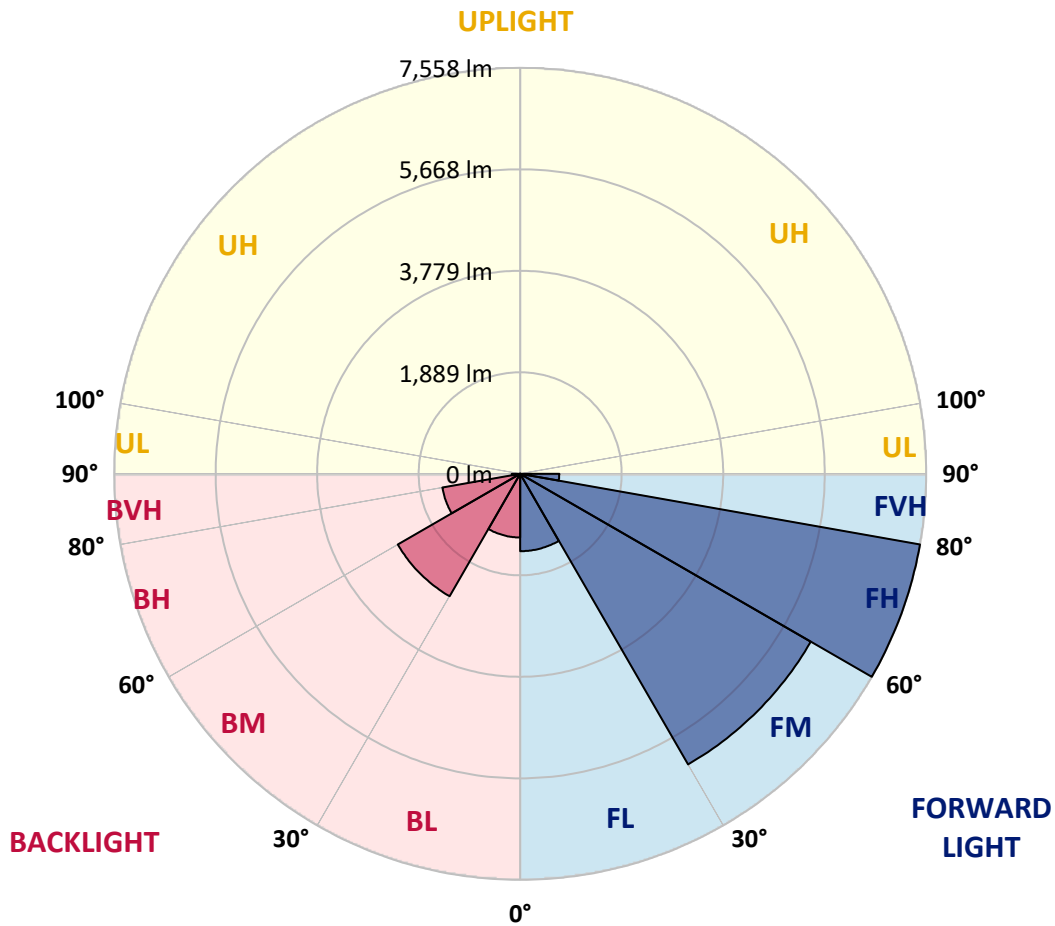
CATALOG NUMBER: GALN-SB3C-840-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1440.5	6.7			
FM (30°-60°)	6246.6	29.2			
FH (60°-80°)	7557.8	35.3			G4/12000
FVH (80°-90°)	728.3	3.4			G4/750
BL (0°-30°)	1185.3	5.5	B3/2500		
BM (30°-60°)	2630.3	12.3	B3/5000		
BH (60°-80°)	1471.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	155.8	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°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2.5°	3166.9	3178.9	3191.0	3208.1	3225.1	3235.3	3245.5	3250.6	3255.6	3253.4
5°	3405.4	3447.3	3489.3	3530.9	3572.6	3595.2	3617.8	3631.5	3645.3	3655.7
7.5°	3644.9	3713.2	3781.3	3842.7	3904.1	3941.0	3978.0	3998.0	4017.9	4027.5
10°	3828.6	3909.3	3989.9	4061.9	4133.9	4177.5	4220.9	4240.4	4259.7	4267.0
12.5°	3941.0	4028.5	4115.8	4180.9	4245.8	4277.4	4309.1	4319.7	4330.3	4331.4
15°	4009.4	4084.9	4160.2	4201.0	4241.9	4243.1	4244.2	4232.9	4221.6	4208.3
17.5°	4047.8	4098.8	4149.7	4150.5	4151.2	4105.4	4059.7	4017.7	3975.7	3946.1
20°	4090.2	4107.9	4125.8	4072.1	4018.4	3917.4	3816.4	3742.8	3669.2	3624.0
22.5°	4139.3	4116.1	4092.8	3981.6	3870.4	3721.8	3573.2	3481.2	3389.2	3339.3
25°	4202.6	4129.2	4055.7	3886.9	3718.1	3537.6	3357.1	3260.4	3163.9	3116.7
27.5°	4288.5	4157.2	4025.8	3802.1	3578.6	3378.6	3178.6	3083.4	2988.4	2943.8
30°	4404.3	4208.5	4012.8	3737.5	3462.2	3253.8	3045.5	2957.2	2868.9	2827.4
32.5°	4541.1	4272.9	4004.9	3693.4	3382.0	3186.1	2990.3	2921.0	2851.7	2821.7
35°	4707.2	4379.0	4051.0	3726.4	3402.0	3265.9	3130.0	3113.8	3097.7	3095.2
37.5°	4986.9	4600.8	4214.8	3919.9	3624.9	3616.1	3607.3	3681.2	3755.1	3793.5
40°	5409.5	4989.7	4569.9	4350.5	4131.2	4286.0	4440.8	4620.5	4800.2	4889.7
42.5°	5970.0	5553.5	5136.9	5010.6	4884.3	5221.9	5559.6	5886.4	6213.2	6405.1
45°	6662.2	6288.0	5913.7	5858.0	5802.2	6343.1	6884.2	7421.2	7958.3	8284.3
47.5°	7527.8	7163.8	6799.7	6788.4	6777.1	7557.5	8337.7	9123.8	9909.9	10371.5
50°	8662.3	8212.7	7763.1	7765.1	7767.0	8772.7	9778.5	10816.2	11853.9	12481.3
52.5°	9964.7	9420.2	8875.9	8820.9	8765.7	9967.1	11168.4	12452.4	13736.2	14488.2
55°	11351.3	10813.4	10275.5	10060.9	9846.3	11183.3	12520.3	14050.9	15581.6	16476.0
57.5°	12612.4	12319.5	12026.5	11596.0	11165.7	12515.8	13865.8	15599.5	17333.1	18442.3
60°	13374.6	13829.5	14284.6	13750.1	13215.6	14493.2	15770.8	17627.0	19483.2	20682.0
62.5°	12987.6	14230.7	15473.9	15413.6	15353.3	16523.7	17694.2	19460.2	21226.1	22334.1
65°	12212.9	13379.7	14546.4	14777.3	15008.1	16495.4	17982.9	19695.4	21407.7	22351.1
67.5°	11175.0	12284.7	13394.4	13502.6	13610.8	15160.5	16710.1	18429.9	20149.7	20888.8
70°	9928.0	11135.0	12342.1	12390.4	12438.9	13824.8	15210.6	16690.6	18170.5	18581.2
72.5°	8442.0	9827.1	11212.3	11247.1	11281.8	12366.0	13450.3	14558.8	15667.1	15708.7
75°	6562.1	7995.7	9429.3	9558.0	9686.7	10530.3	11373.9	12154.1	12934.4	12725.4
77.5°	4688.5	6026.7	7365.0	7549.2	7733.4	8374.7	9016.0	9569.4	10122.9	9763.5
80°	3068.6	4194.5	5320.2	5549.2	5778.1	6262.5	6746.6	7037.2	7327.7	6749.7
82.5°	1783.8	2553.4	3323.2	3578.9	3834.8	4168.2	4501.5	4622.8	4743.9	4289.6
85°	784.8	1193.3	1601.8	1819.4	2036.9	2310.8	2584.6	2653.4	2722.3	2358.4
87.5°	243.0	380.3	517.6	638.9	760.3	897.3	1034.2	1040.1	1045.9	878.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
3255.6	2.5°	3250.6	3245.5	3235.3	3225.1	3208.1	3191.0	3178.9	3166.9	3142.6	3118.3
3645.3	5°	3631.5	3617.8	3595.2	3572.6	3530.9	3489.3	3447.3	3405.4	3351.7	3298.0
4017.9	7.5°	3998.0	3978.0	3941.0	3904.1	3842.7	3781.3	3713.2	3644.9	3556.3	3467.9
4259.7	10°	4240.4	4220.9	4177.5	4133.9	4061.9	3989.9	3909.3	3828.6	3716.6	3604.6
4330.3	12.5°	4319.7	4309.1	4277.4	4245.8	4180.9	4115.8	4028.5	3941.0	3818.0	3695.0
4221.6	15°	4232.9	4244.2	4243.1	4241.9	4201.0	4160.2	4084.9	4009.4	3881.1	3752.9
3975.7	17.5°	4017.7	4059.7	4105.4	4151.2	4150.5	4149.7	4098.8	4047.8	3917.7	3787.7
3669.2	20°	3742.8	3816.4	3917.4	4018.4	4072.1	4125.8	4107.9	4090.2	3955.0	3819.8
3389.2	22.5°	3481.2	3573.2	3721.8	3870.4	3981.6	4092.8	4116.1	4139.3	4001.2	3863.0
3163.9	25°	3260.4	3357.1	3537.6	3718.1	3886.9	4055.7	4129.2	4202.6	4067.2	3932.0
2988.4	27.5°	3083.4	3178.6	3378.6	3578.6	3802.1	4025.8	4157.2	4288.5	4159.5	4030.3
2868.9	30°	2957.2	3045.5	3253.8	3462.2	3737.5	4012.8	4208.5	4404.3	4279.6	4154.9
2851.7	32.5°	2921.0	2990.3	3186.1	3382.0	3693.4	4004.9	4272.9	4541.1	4417.6	4294.2
3097.7	35°	3113.8	3130.0	3265.9	3402.0	3726.4	4051.0	4379.0	4707.2	4589.0	4470.7
3755.1	37.5°	3681.2	3607.3	3616.1	3624.9	3919.9	4214.8	4600.8	4986.9	4836.1	4685.4
4800.2	40°	4620.5	4440.8	4286.0	4131.2	4350.5	4569.9	4989.7	5409.5	5189.8	4970.1
6213.2	42.5°	5886.4	5559.6	5221.9	4884.3	5010.6	5136.9	5553.5	5970.0	5652.9	5335.8
7958.3	45°	7421.2	6884.2	6343.1	5802.2	5858.0	5913.7	6288.0	6662.2	6234.4	5806.7
9909.9	47.5°	9123.8	8337.7	7557.5	6777.1	6788.4	6799.7	7163.8	7527.8	6925.8	6323.7
11853.9	50°	10816.2	9778.5	8772.7	7767.0	7765.1	7763.1	8212.7	8662.3	7754.8	6847.1
13736.2	52.5°	12452.4	11168.4	9967.1	8765.7	8820.9	8875.9	9420.2	9964.7	8625.6	7286.5
15581.6	55°	14050.9	12520.3	11183.3	9846.3	10060.9	10275.5	10813.4	11351.3	9397.6	7444.1
17333.1	57.5°	15599.5	13865.8	12515.8	11165.7	11596.0	12026.5	12319.5	12612.4	9944.8	7277.2
19483.2	60°	17627.0	15770.8	14493.2	13215.6	13750.1	14284.6	13829.5	13374.6	10081.5	6788.4
21226.1	62.5°	19460.2	17694.2	16523.7	15353.3	15413.6	15473.9	14230.7	12987.6	9505.8	6024.0
21407.7	65°	19695.4	17982.9	16495.4	15008.1	14777.3	14546.4	13379.7	12212.9	8691.1	5169.4
20149.7	67.5°	18429.9	16710.1	15160.5	13610.8	13502.6	13394.4	12284.7	11175.0	7721.7	4268.4
18170.5	70°	16690.6	15210.6	13824.8	12438.9	12390.4	12342.1	11135.0	9928.0	6663.8	3399.7
15667.1	72.5°	14558.8	13450.3	12366.0	11281.8	11247.1	11212.3	9827.1	8442.0	5517.1	2592.3
12934.4	75°	12154.1	11373.9	10530.3	9686.7	9558.0	9429.3	7995.7	6562.1	4202.5	1842.9
10122.9	77.5°	9569.4	9016.0	8374.7	7733.4	7549.2	7365.0	6026.7	4688.5	2941.4	1194.2
7327.7	80°	7037.2	6746.6	6262.5	5778.1	5549.2	5320.2	4194.5	3068.6	1895.1	721.5
4743.9	82.5°	4622.8	4501.5	4168.2	3834.8	3578.9	3323.2	2553.4	1783.8	1096.8	410.0
2722.3	85°	2653.4	2584.6	2310.8	2036.9	1819.4	1601.8	1193.3	784.8	493.4	202.1
1045.9	87.5°	1040.1	1034.2	897.3	760.3	638.9	517.6	380.3	243.0	161.6	80.2
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
3092.5	2.5°	3066.7	3040.7	3014.7	2989.9	2965.0	2940.9	2914.1	2892.5	2870.9	2851.3
3244.5	5°	3191.0	3137.1	3083.3	3033.0	2982.7	2935.3	2888.4	2847.5	2806.5	2772.1
3386.1	7.5°	3304.2	3224.6	3144.9	3074.7	3004.6	2939.8	2879.1	2824.6	2770.3	2725.1
3496.5	10°	3388.4	3291.7	3194.8	3111.9	3028.7	2948.8	2883.6	2826.2	2768.8	2723.6
3572.5	12.5°	3450.0	3335.9	3221.7	3127.8	3033.9	2950.0	2889.3	2842.3	2795.5	2765.4
3620.0	15°	3487.1	3355.7	3224.2	3115.5	3006.8	2913.8	2865.2	2842.7	2820.4	2824.4
3642.7	17.5°	3497.7	3345.1	3192.6	3061.8	2931.1	2821.7	2791.8	2800.0	2808.1	2857.4
3660.4	20°	3501.1	3316.2	3131.3	2969.3	2807.2	2679.9	2672.0	2710.4	2748.8	2834.4
3684.4	22.5°	3505.6	3280.7	3055.9	2860.7	2665.5	2520.6	2536.0	2592.9	2649.7	2747.4
3727.8	25°	3523.5	3245.7	2968.1	2739.4	2510.9	2362.3	2404.2	2469.7	2535.2	2623.0
3795.6	27.5°	3560.8	3222.3	2883.9	2628.6	2373.3	2238.0	2288.9	2352.2	2415.5	2487.7
3883.4	30°	3611.8	3211.3	2810.6	2535.9	2261.2	2147.6	2187.5	2237.7	2288.1	2348.0
3975.0	32.5°	3655.9	3197.8	2739.4	2456.0	2172.5	2081.0	2098.7	2128.4	2158.2	2206.0
4079.4	35°	3688.2	3172.2	2656.5	2377.5	2098.5	2022.2	2014.9	2023.0	2031.2	2067.7
4196.4	37.5°	3707.4	3128.5	2549.6	2285.1	2020.5	1953.8	1926.9	1917.9	1908.9	1935.1
4344.9	40°	3719.5	3068.3	2417.2	2174.8	1932.4	1871.9	1830.7	1810.2	1789.8	1808.6
4539.1	42.5°	3742.5	3006.1	2270.0	2053.1	1836.1	1780.4	1728.4	1701.3	1674.2	1689.5
4794.8	45°	3782.8	2948.4	2114.1	1923.8	1733.5	1677.0	1626.7	1600.2	1573.9	1586.8
5067.1	47.5°	3810.5	2900.7	1990.9	1821.5	1652.1	1579.2	1536.0	1513.8	1491.7	1503.9
5319.8	50°	3792.4	2848.7	1905.0	1753.6	1602.2	1506.3	1456.1	1436.4	1416.8	1435.8
5483.9	52.5°	3681.1	2760.9	1840.8	1708.8	1577.0	1466.8	1396.5	1377.1	1357.7	1386.3
5447.7	55°	3451.1	2615.4	1779.6	1676.4	1573.2	1470.7	1364.9	1334.1	1303.5	1344.1
5193.2	57.5°	3109.3	2410.1	1710.9	1638.0	1565.1	1474.7	1345.9	1301.1	1256.4	1300.0
4719.6	60°	2650.8	2143.7	1636.5	1579.2	1521.9	1462.3	1328.0	1270.1	1212.0	1250.3
4079.2	62.5°	2134.4	1824.8	1515.2	1477.1	1439.1	1431.8	1307.2	1234.7	1162.2	1186.5
3425.8	65°	1682.4	1537.9	1393.3	1375.4	1357.4	1358.3	1263.4	1186.3	1109.1	1118.5
2785.8	67.5°	1303.2	1262.1	1221.0	1231.1	1241.0	1238.5	1185.2	1121.0	1056.8	1053.9
2193.4	70°	987.1	998.8	1010.5	1057.0	1103.5	1103.5	1086.0	1040.3	994.7	984.5
1676.9	72.5°	761.4	796.8	832.3	898.3	964.2	975.2	975.5	944.1	912.8	897.9
1217.1	75°	591.2	623.3	655.4	729.3	803.2	854.3	850.0	825.9	801.8	787.5
824.7	77.5°	455.2	477.0	498.9	570.7	642.4	726.6	724.4	705.0	685.7	671.2
531.3	80°	341.3	350.3	359.4	420.1	480.8	581.4	581.1	564.9	548.6	536.5
326.8	82.5°	243.9	245.4	247.3	292.0	336.8	422.6	427.4	419.5	411.6	403.0
174.7	85°	147.5	146.7	145.8	178.5	211.3	275.2	281.4	272.9	264.4	254.8
72.4	87.5°	64.6	63.8	63.1	76.4	89.8	116.4	124.3	120.9	117.5	115.7
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°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2831.9	2.5°	2814.8	2797.8	2780.6	2763.5	2750.3	2737.0	2726.2	2715.5	2707.1	2698.8
2737.9	5°	2707.6	2677.3	2649.8	2622.3	2601.1	2579.9	2565.1	2550.3	2539.8	2529.3
2679.9	7.5°	2641.8	2603.6	2569.9	2536.4	2511.2	2486.1	2468.5	2450.8	2438.7	2426.8
2678.4	10°	2637.4	2596.3	2558.4	2520.6	2490.5	2460.3	2440.7	2420.8	2409.4	2397.9
2735.6	12.5°	2703.3	2671.2	2632.0	2592.9	2554.5	2516.0	2490.6	2465.2	2452.4	2439.8
2828.5	15°	2820.1	2811.8	2777.8	2743.7	2689.0	2634.3	2595.7	2557.1	2539.3	2521.7
2906.7	17.5°	2932.9	2959.0	2931.5	2904.2	2831.8	2759.3	2702.4	2645.4	2619.2	2592.9
2920.0	20°	2974.8	3029.6	3017.0	3004.2	2921.4	2838.7	2768.8	2699.1	2665.5	2631.9
2845.2	22.5°	2916.5	2987.8	2995.5	3003.1	2924.0	2844.9	2773.0	2701.0	2665.7	2630.2
2711.0	25°	2781.1	2851.3	2877.5	2903.6	2838.8	2774.0	2710.1	2646.3	2615.6	2585.0
2559.8	27.5°	2616.0	2672.3	2701.5	2730.7	2684.5	2638.4	2588.8	2539.2	2518.6	2498.0
2407.9	30°	2454.6	2501.3	2525.1	2548.8	2513.7	2478.4	2442.9	2407.2	2396.7	2386.1
2253.9	32.5°	2298.6	2343.5	2369.8	2396.2	2363.9	2331.5	2303.1	2274.8	2267.9	2261.0
2104.1	35°	2148.4	2192.8	2224.5	2256.1	2233.1	2210.1	2183.9	2157.8	2147.3	2136.9
1961.2	37.5°	2005.4	2049.7	2088.8	2127.9	2117.2	2106.6	2082.6	2058.4	2039.3	2020.3
1827.5	40°	1870.2	1912.9	1957.9	2003.0	2005.6	2008.1	1987.6	1967.2	1939.4	1911.8
1705.0	42.5°	1745.5	1786.0	1834.6	1883.2	1896.2	1909.2	1891.9	1874.7	1840.3	1805.8
1599.9	45°	1638.3	1676.8	1727.2	1777.6	1796.2	1814.8	1799.2	1783.8	1744.3	1705.0
1515.9	47.5°	1553.6	1591.1	1640.8	1690.5	1712.0	1733.5	1722.6	1711.8	1676.8	1641.7
1454.9	50°	1490.4	1525.8	1570.3	1614.8	1642.4	1670.0	1669.3	1668.8	1640.8	1612.8
1414.8	52.5°	1447.4	1479.8	1521.3	1562.8	1595.5	1628.2	1634.0	1639.9	1617.1	1594.3
1384.5	55°	1419.6	1454.6	1491.0	1527.2	1561.8	1596.5	1604.7	1612.8	1592.9	1573.0
1343.6	57.5°	1384.8	1425.9	1461.8	1497.9	1532.8	1567.6	1575.8	1584.1	1564.0	1543.9
1288.5	60°	1335.7	1382.9	1419.4	1456.1	1491.1	1526.1	1535.2	1544.2	1524.5	1505.0
1210.8	62.5°	1265.9	1321.0	1360.0	1399.0	1431.1	1463.2	1471.9	1480.6	1462.8	1445.1
1127.8	65°	1186.8	1245.9	1283.2	1320.5	1348.7	1377.0	1385.9	1394.7	1377.6	1360.6
1050.9	67.5°	1105.4	1160.0	1195.4	1230.6	1255.0	1279.4	1288.1	1296.7	1281.0	1265.4
974.3	70°	1022.2	1070.1	1100.7	1131.2	1153.2	1175.2	1183.6	1192.0	1179.2	1166.4
883.1	72.5°	920.9	958.5	986.1	1013.6	1035.2	1056.8	1066.8	1076.7	1066.1	1055.5
773.2	75°	801.2	829.2	854.2	879.2	898.8	918.5	928.9	939.3	934.1	928.9
656.8	77.5°	679.6	702.3	723.8	745.3	765.9	786.5	796.2	805.9	798.7	791.3
524.3	80°	543.3	562.2	580.3	598.4	614.1	629.7	642.5	655.4	652.3	649.2
394.4	82.5°	392.8	391.2	384.9	378.6	412.0	445.5	467.4	489.3	488.0	486.5
245.2	85°	237.1	228.8	211.3	193.8	225.1	256.5	283.6	310.8	308.5	306.2
113.9	87.5°	113.6	113.2	99.9	86.4	99.6	112.8	123.7	134.7	132.0	129.1
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2691.1	2.5°	2683.3	2673.7	2683.3	2691.1	2698.8	2707.1	2715.5	2726.2	2737.0	2750.3
2521.2	5°	2513.2	2505.3	2513.2	2521.2	2529.3	2539.8	2550.3	2565.1	2579.9	2601.1
2419.5	7.5°	2412.4	2407.0	2412.4	2419.5	2426.8	2438.7	2450.8	2468.5	2486.1	2511.2
2391.8	10°	2385.7	2383.3	2385.7	2391.8	2397.9	2409.4	2420.8	2440.7	2460.3	2490.5
2434.6	12.5°	2429.4	2428.5	2429.4	2434.6	2439.8	2452.4	2465.2	2490.6	2516.0	2554.5
2514.9	15°	2508.1	2507.6	2508.1	2514.9	2521.7	2539.3	2557.1	2595.7	2634.3	2689.0
2584.3	17.5°	2575.6	2574.2	2575.6	2584.3	2592.9	2619.2	2645.4	2702.4	2759.3	2831.8
2621.1	20°	2610.4	2607.0	2610.4	2621.1	2631.9	2665.5	2699.1	2768.8	2838.7	2921.4
2618.3	22.5°	2606.4	2601.4	2606.4	2618.3	2630.2	2665.7	2701.0	2773.0	2844.9	2924.0
2573.8	25°	2562.7	2556.2	2562.7	2573.8	2585.0	2615.6	2646.3	2710.1	2774.0	2838.8
2492.9	27.5°	2487.8	2486.1	2487.8	2492.9	2498.0	2518.6	2539.2	2588.8	2638.4	2684.5
2386.1	30°	2386.1	2387.8	2386.1	2386.1	2386.1	2396.7	2407.2	2442.9	2478.4	2513.7
2261.9	32.5°	2262.9	2264.6	2262.9	2261.9	2261.0	2267.9	2274.8	2303.1	2331.5	2363.9
2134.6	35°	2132.4	2131.3	2132.4	2134.6	2136.9	2147.3	2157.8	2183.9	2210.1	2233.1
2010.2	37.5°	2000.2	1994.5	2000.2	2010.2	2020.3	2039.3	2058.4	2082.6	2106.6	2117.2
1893.0	40°	1874.5	1863.4	1874.5	1893.0	1911.8	1939.4	1967.2	1987.6	2008.1	2005.6
1778.6	42.5°	1751.3	1733.5	1751.3	1778.6	1805.8	1840.3	1874.7	1891.9	1909.2	1896.2
1673.0	45°	1641.0	1620.5	1641.0	1673.0	1705.0	1744.3	1783.8	1799.2	1814.8	1796.2
1612.1	47.5°	1582.6	1562.8	1582.6	1612.1	1641.7	1676.8	1711.8	1722.6	1733.5	1712.0
1585.4	50°	1558.1	1539.1	1558.1	1585.4	1612.8	1640.8	1668.8	1669.3	1670.0	1642.4
1569.7	52.5°	1545.3	1527.8	1545.3	1569.7	1594.3	1617.1	1639.9	1634.0	1628.2	1595.5
1551.5	55°	1530.1	1514.3	1530.1	1551.5	1573.0	1592.9	1612.8	1604.7	1596.5	1561.8
1522.6	57.5°	1501.3	1484.9	1501.3	1522.6	1543.9	1564.0	1584.1	1575.8	1567.6	1532.8
1483.1	60°	1461.1	1444.2	1461.1	1483.1	1505.0	1524.5	1544.2	1535.2	1526.1	1491.1
1422.0	62.5°	1399.0	1378.6	1399.0	1422.0	1445.1	1462.8	1480.6	1471.9	1463.2	1431.1
1338.2	65°	1315.9	1298.4	1315.9	1338.2	1360.6	1377.6	1394.7	1385.9	1377.0	1348.7
1244.6	67.5°	1223.8	1208.0	1223.8	1244.6	1265.4	1281.0	1296.7	1288.1	1279.4	1255.0
1146.5	70°	1126.6	1108.6	1126.6	1146.5	1166.4	1179.2	1192.0	1183.6	1175.2	1153.2
1036.5	72.5°	1017.6	1000.1	1017.6	1036.5	1055.5	1066.1	1076.7	1066.8	1056.8	1035.2
913.0	75°	897.0	880.3	897.0	913.0	928.9	934.1	939.3	928.9	918.5	898.8
775.2	77.5°	759.2	745.8	759.2	775.2	791.3	798.7	805.9	796.2	786.5	765.9
627.6	80°	605.9	580.8	605.9	627.6	649.2	652.3	655.4	642.5	629.7	614.1
468.3	82.5°	450.0	433.9	450.0	468.3	486.5	488.0	489.3	467.4	445.5	412.0
292.0	85°	277.8	263.3	277.8	292.0	306.2	308.5	310.8	283.6	256.5	225.1
121.8	87.5°	114.4	107.4	114.4	121.8	129.1	132.0	134.7	123.7	112.8	99.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2763.5	2.5°	2780.6	2797.8	2814.8	2831.9	2851.3	2870.9	2892.5	2914.1	2940.9	2965.0
2622.3	5°	2649.8	2677.3	2707.6	2737.9	2772.1	2806.5	2847.5	2888.4	2935.3	2982.7
2536.4	7.5°	2569.9	2603.6	2641.8	2679.9	2725.1	2770.3	2824.6	2879.1	2939.8	3004.6
2520.6	10°	2558.4	2596.3	2637.4	2678.4	2723.6	2768.8	2826.2	2883.6	2948.8	3028.7
2592.9	12.5°	2632.0	2671.2	2703.3	2735.6	2765.4	2795.5	2842.3	2889.3	2950.0	3033.9
2743.7	15°	2777.8	2811.8	2820.1	2828.5	2824.4	2820.4	2842.7	2865.2	2913.8	3006.8
2904.2	17.5°	2931.5	2959.0	2932.9	2906.7	2857.4	2808.1	2800.0	2791.8	2821.7	2931.1
3004.2	20°	3017.0	3029.6	2974.8	2920.0	2834.4	2748.8	2710.4	2672.0	2679.9	2807.2
3003.1	22.5°	2995.5	2987.8	2916.5	2845.2	2747.4	2649.7	2592.9	2536.0	2520.6	2665.5
2903.6	25°	2877.5	2851.3	2781.1	2711.0	2623.0	2535.2	2469.7	2404.2	2362.3	2510.9
2730.7	27.5°	2701.5	2672.3	2616.0	2559.8	2487.7	2415.5	2352.2	2288.9	2238.0	2373.3
2548.8	30°	2525.1	2501.3	2454.6	2407.9	2348.0	2288.1	2237.7	2187.5	2147.6	2261.2
2396.2	32.5°	2369.8	2343.5	2298.6	2253.9	2206.0	2158.2	2128.4	2098.7	2081.0	2172.5
2256.1	35°	2224.5	2192.8	2148.4	2104.1	2067.7	2031.2	2023.0	2014.9	2022.2	2098.5
2127.9	37.5°	2088.8	2049.7	2005.4	1961.2	1935.1	1908.9	1917.9	1926.9	1953.8	2020.5
2003.0	40°	1957.9	1912.9	1870.2	1827.5	1808.6	1789.8	1810.2	1830.7	1871.9	1932.4
1883.2	42.5°	1834.6	1786.0	1745.5	1705.0	1689.5	1674.2	1701.3	1728.4	1780.4	1836.1
1777.6	45°	1727.2	1676.8	1638.3	1599.9	1586.8	1573.9	1600.2	1626.7	1677.0	1733.5
1690.5	47.5°	1640.8	1591.1	1553.6	1515.9	1503.9	1491.7	1513.8	1536.0	1579.2	1652.1
1614.8	50°	1570.3	1525.8	1490.4	1454.9	1435.8	1416.8	1436.4	1456.1	1506.3	1602.2
1562.8	52.5°	1521.3	1479.8	1447.4	1414.8	1386.3	1357.7	1377.1	1396.5	1466.8	1577.0
1527.2	55°	1491.0	1454.6	1419.6	1384.5	1344.1	1303.5	1334.1	1364.9	1470.7	1573.2
1497.9	57.5°	1461.8	1425.9	1384.8	1343.6	1300.0	1256.4	1301.1	1345.9	1474.7	1565.1
1456.1	60°	1419.4	1382.9	1335.7	1288.5	1250.3	1212.0	1270.1	1328.0	1462.3	1521.9
1399.0	62.5°	1360.0	1321.0	1265.9	1210.8	1186.5	1162.2	1234.7	1307.2	1431.8	1439.1
1320.5	65°	1283.2	1245.9	1186.8	1127.8	1118.5	1109.1	1186.3	1263.4	1358.3	1357.4
1230.6	67.5°	1195.4	1160.0	1105.4	1050.9	1053.9	1056.8	1121.0	1185.2	1238.5	1241.0
1131.2	70°	1100.7	1070.1	1022.2	974.3	984.5	994.7	1040.3	1086.0	1103.5	1103.5
1013.6	72.5°	986.1	958.5	920.9	883.1	897.9	912.8	944.1	975.5	975.2	964.2
879.2	75°	854.2	829.2	801.2	773.2	787.5	801.8	825.9	850.0	854.3	803.2
745.3	77.5°	723.8	702.3	679.6	656.8	671.2	685.7	705.0	724.4	726.6	642.4
598.4	80°	580.3	562.2	543.3	524.3	536.5	548.6	564.9	581.1	581.4	480.8
378.6	82.5°	384.9	391.2	392.8	394.4	403.0	411.6	419.5	427.4	422.6	336.8
193.8	85°	211.3	228.8	237.1	245.2	254.8	264.4	272.9	281.4	275.2	211.3
86.4	87.5°	99.9	113.2	113.6	113.9	115.7	117.5	120.9	124.3	116.4	89.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
2944.9	0°	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9	2944.9
2989.9	2.5°	3014.7	3040.7	3066.7	3092.5	3118.3	3142.6	3166.9
3033.0	5°	3083.3	3137.1	3191.0	3244.5	3298.0	3351.7	3405.4
3074.7	7.5°	3144.9	3224.6	3304.2	3386.1	3467.9	3556.3	3644.9
3111.9	10°	3194.8	3291.7	3388.4	3496.5	3604.6	3716.6	3828.6
3127.8	12.5°	3221.7	3335.9	3450.0	3572.5	3695.0	3818.0	3941.0
3115.5	15°	3224.2	3355.7	3487.1	3620.0	3752.9	3881.1	4009.4
3061.8	17.5°	3192.6	3345.1	3497.7	3642.7	3787.7	3917.7	4047.8
2969.3	20°	3131.3	3316.2	3501.1	3660.4	3819.8	3955.0	4090.2
2860.7	22.5°	3055.9	3280.7	3505.6	3684.4	3863.0	4001.2	4139.3
2739.4	25°	2968.1	3245.7	3523.5	3727.8	3932.0	4067.2	4202.6
2628.6	27.5°	2883.9	3222.3	3560.8	3795.6	4030.3	4159.5	4288.5
2535.9	30°	2810.6	3211.3	3611.8	3883.4	4154.9	4279.6	4404.3
2456.0	32.5°	2739.4	3197.8	3655.9	3975.0	4294.2	4417.6	4541.1
2377.5	35°	2656.5	3172.2	3688.2	4079.4	4470.7	4589.0	4707.2
2285.1	37.5°	2549.6	3128.5	3707.4	4196.4	4685.4	4836.1	4986.9
2174.8	40°	2417.2	3068.3	3719.5	4344.9	4970.1	5189.8	5409.5
2053.1	42.5°	2270.0	3006.1	3742.5	4539.1	5335.8	5652.9	5970.0
1923.8	45°	2114.1	2948.4	3782.8	4794.8	5806.7	6234.4	6662.2
1821.5	47.5°	1990.9	2900.7	3810.5	5067.1	6323.7	6925.8	7527.8
1753.6	50°	1905.0	2848.7	3792.4	5319.8	6847.1	7754.8	8662.3
1708.8	52.5°	1840.8	2760.9	3681.1	5483.9	7286.5	8625.6	9964.7
1676.4	55°	1779.6	2615.4	3451.1	5447.7	7444.1	9397.6	11351.3
1638.0	57.5°	1710.9	2410.1	3109.3	5193.2	7277.2	9944.8	12612.4
1579.2	60°	1636.5	2143.7	2650.8	4719.6	6788.4	10081.5	13374.6
1477.1	62.5°	1515.2	1824.8	2134.4	4079.2	6024.0	9505.8	12987.6
1375.4	65°	1393.3	1537.9	1682.4	3425.8	5169.4	8691.1	12212.9
1231.1	67.5°	1221.0	1262.1	1303.2	2785.8	4268.4	7721.7	11175.0
1057.0	70°	1010.5	998.8	987.1	2193.4	3399.7	6663.8	9928.0
898.3	72.5°	832.3	796.8	761.4	1676.9	2592.3	5517.1	8442.0
729.3	75°	655.4	623.3	591.2	1217.1	1842.9	4202.5	6562.1
570.7	77.5°	498.9	477.0	455.2	824.7	1194.2	2941.4	4688.5
420.1	80°	359.4	350.3	341.3	531.3	721.5	1895.1	3068.6
292.0	82.5°	247.3	245.4	243.9	326.8	410.0	1096.8	1783.8
178.5	85°	145.8	146.7	147.5	174.7	202.1	493.4	784.8
76.4	87.5°	63.1	63.8	64.6	72.4	80.2	161.6	243.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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