

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: P951499

Luminaire Tested: **GALN-SB5C-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951499
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-SB5C-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36056 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

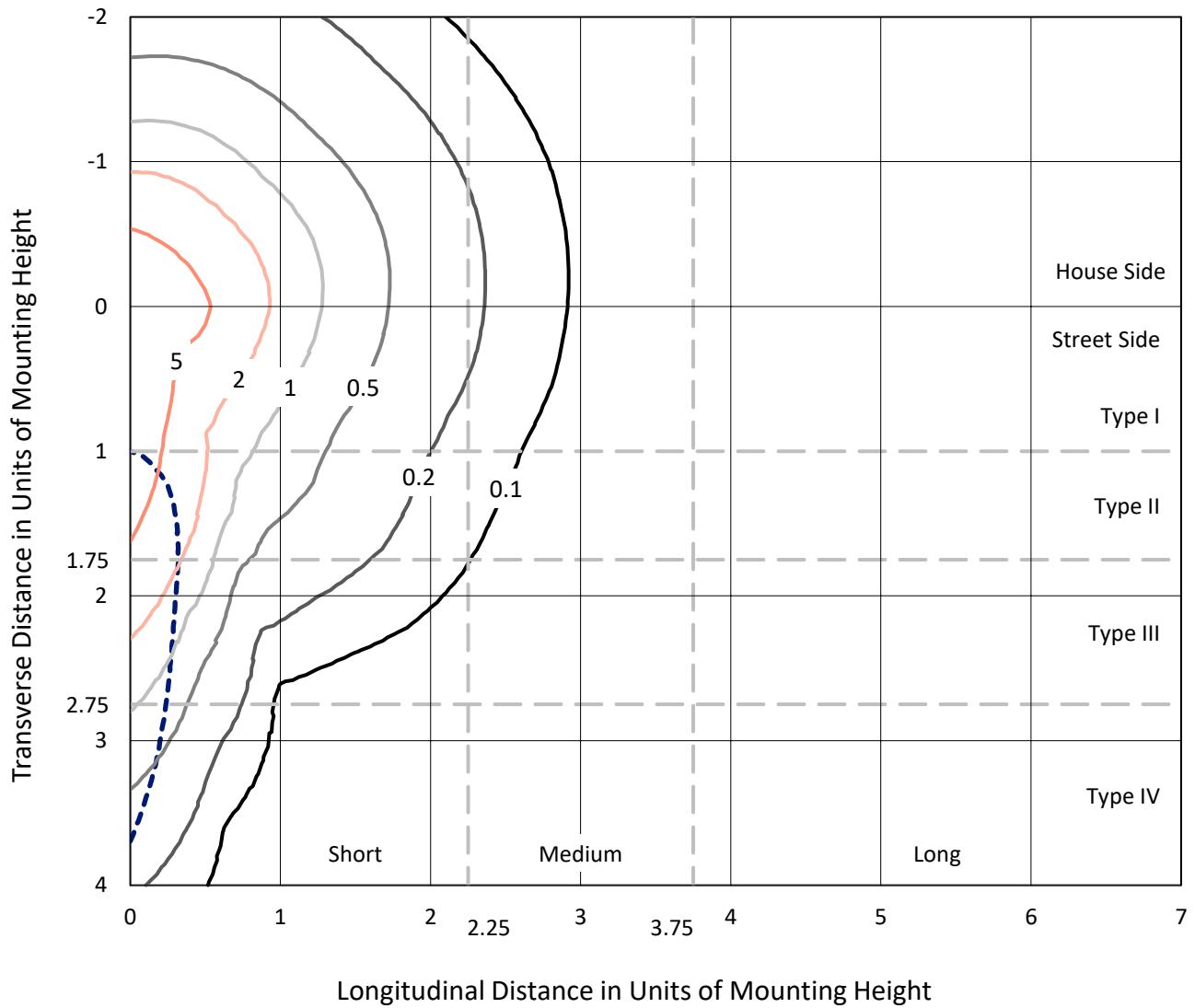
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

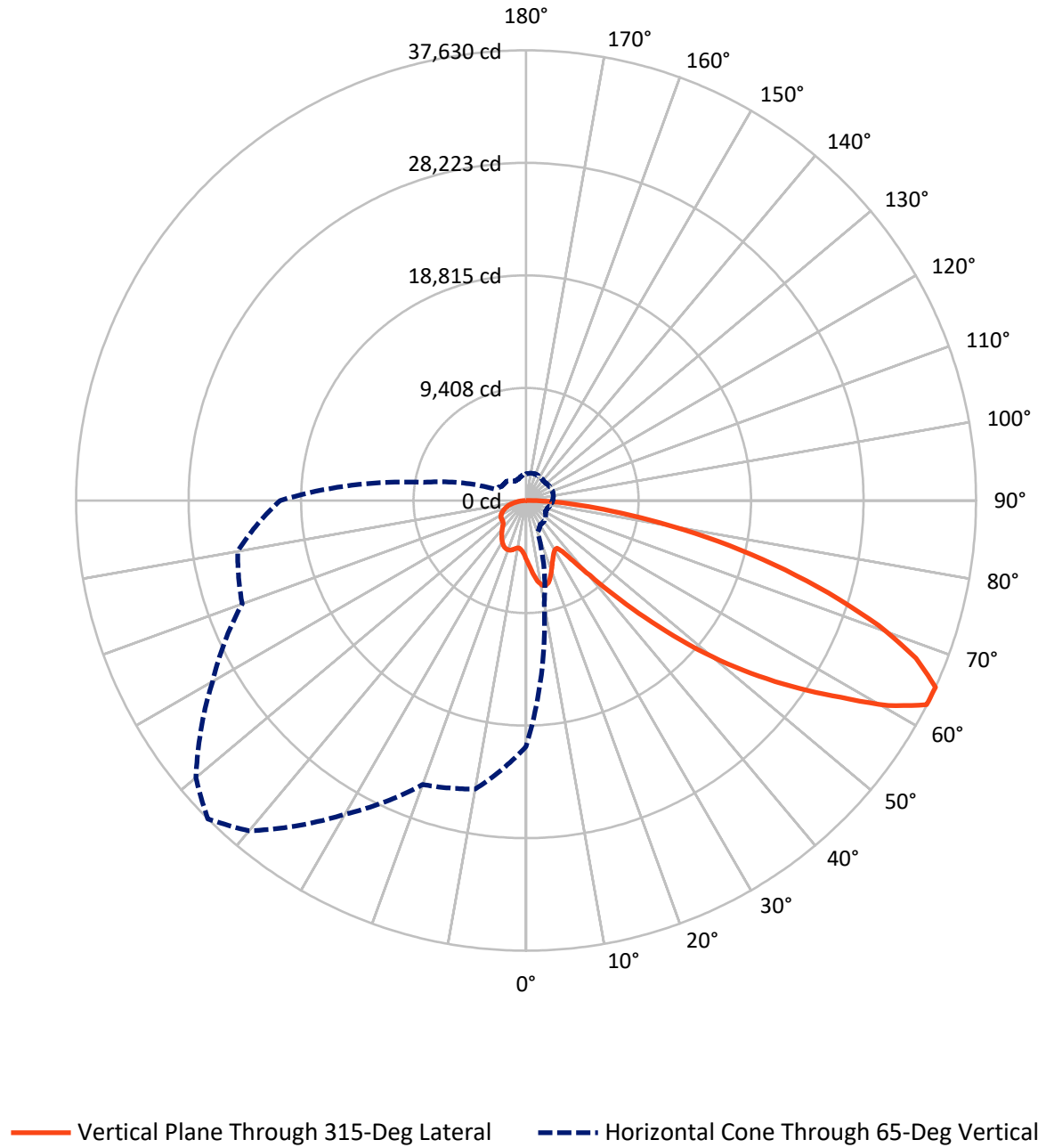
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9163.6	0.0	9163.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	26892.4	0.0	26892.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	36056.0	0.0	36056.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.8	1.4
10°-20°	1544.0	4.3
20°-30°	2384.9	6.6
30°-40°	3022.2	8.4
40°-50°	4558.3	12.6
50°-60°	7364.6	20.4
60°-70°	9181.2	25.5
70°-80°	6020.6	16.7
80°-90°	1488.4	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°	36056.0	100.0
0°-180°	36056.0	100.0

Coefficient of Utilization



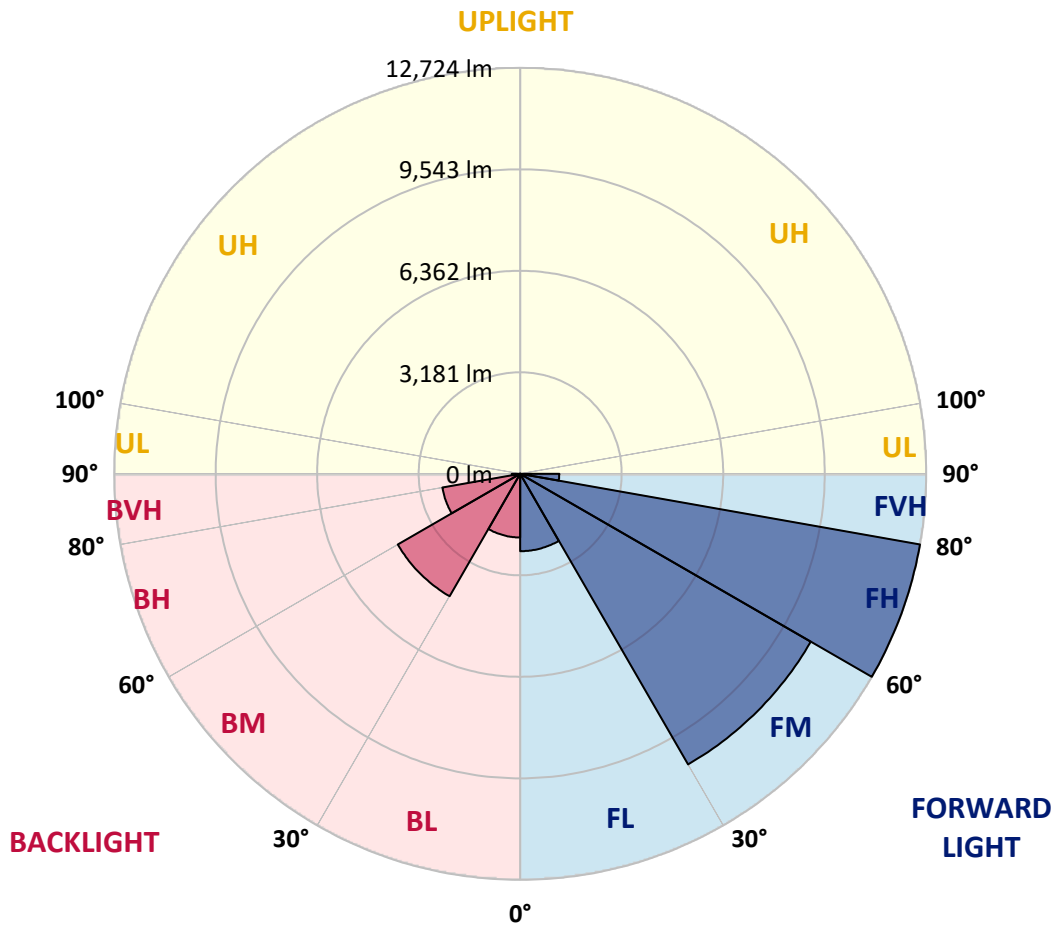
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2425.2	6.7			
FM (30°-60°)	10516.8	29.2			
FH (60°-80°)	12724.3	35.3			G5
FVH (80°-90°)	1226.1	3.4			G5
BL (0°-30°)	1995.5	5.5	B3/2500		
BM (30°-60°)	4428.4	12.3	B3/5000		
BH (60°-80°)	2477.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	262.3	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
2.5°	5331.9	5291.0	5250.0	5206.5	5163.1	5119.3	5075.6	5033.7	4991.9	4951.4
5°	5733.3	5642.9	5552.6	5462.4	5372.4	5281.6	5191.1	5106.4	5021.7	4941.8
7.5°	6136.6	5987.5	5838.5	5700.8	5563.0	5428.9	5294.8	5176.6	5058.5	4949.4
10°	6445.8	6257.3	6068.7	5886.6	5704.8	5541.9	5378.9	5239.2	5099.2	4964.7
12.5°	6635.1	6427.9	6220.9	6014.7	5808.4	5616.3	5424.1	5266.0	5107.9	4966.6
15°	6750.2	6534.3	6318.3	6094.6	5870.8	5649.6	5428.3	5245.3	5062.3	4905.7
17.5°	6814.9	6595.9	6376.9	6132.8	5888.7	5631.9	5375.0	5154.9	4934.8	4750.6
20°	6886.2	6658.7	6431.0	6162.7	5894.4	5583.2	5271.9	4999.1	4726.3	4511.9
22.5°	6969.0	6736.5	6503.8	6203.0	5902.0	5523.4	5144.8	4816.3	4487.7	4243.6
25°	7075.5	6847.6	6619.9	6276.1	5932.1	5464.5	4997.0	4612.1	4227.4	3977.3
27.5°	7220.1	7002.9	6785.4	6390.2	5994.9	5425.1	4855.3	4425.5	3995.7	3768.0
30°	7415.1	7205.1	6995.2	6538.1	6080.9	5406.6	4732.0	4269.5	3807.0	3615.8
32.5°	7645.3	7437.4	7229.6	6692.4	6155.1	5383.8	4612.1	4135.0	3657.6	3503.5
35°	7925.0	7726.0	7526.8	6868.2	6209.5	5340.8	4472.5	4002.7	3533.0	3404.6
37.5°	8395.9	8142.1	7888.3	7065.1	6241.8	5267.2	4292.5	3847.1	3401.7	3289.5
40°	9107.4	8737.6	8367.7	7315.1	6262.2	5165.8	4069.5	3661.4	3253.3	3151.6
42.5°	10051.1	9517.2	8983.4	7642.1	6300.8	5061.1	3821.8	3456.5	3091.2	2997.4
45°	11216.4	10496.3	9776.2	8072.5	6368.7	4963.9	3559.3	3238.9	2918.5	2823.4
47.5°	12673.7	11660.3	10646.6	8531.0	6415.4	4883.6	3351.9	3066.7	2781.5	2658.8
50°	14583.9	13056.0	11527.9	8956.4	6384.9	4796.1	3207.3	2952.4	2697.4	2536.1
52.5°	16776.6	14522.1	12267.6	9232.6	6197.5	4648.3	3099.2	2877.0	2655.0	2469.5
55°	19111.0	15821.9	12533.0	9171.7	5810.3	4403.2	2996.1	2822.4	2648.7	2476.2
57.5°	21234.2	16743.1	12252.0	8743.3	5234.8	4057.7	2880.4	2757.7	2635.0	2482.8
60°	22517.5	16973.3	11428.9	7945.9	4463.0	3609.1	2755.3	2658.8	2562.3	2461.9
62.5°	21865.9	16003.9	10142.0	6867.8	3593.5	3072.2	2550.9	2486.8	2422.9	2410.5
65°	20561.7	14632.4	8703.2	5767.7	2832.5	2589.2	2345.8	2315.6	2285.3	2286.8
67.5°	18814.2	13000.2	7186.3	4690.1	2194.0	2124.9	2055.7	2072.6	2089.4	2085.2
70°	16714.7	11219.3	5723.8	3692.8	1661.9	1681.7	1701.2	1779.6	1857.8	1857.8
72.5°	14212.9	9288.6	4364.4	2823.2	1281.9	1341.5	1401.2	1512.3	1623.2	1641.9
75°	11048.0	7075.3	3102.7	2049.0	995.4	1049.4	1103.5	1227.9	1352.3	1438.3
77.5°	7893.6	4952.1	2010.6	1388.5	766.3	803.1	840.0	960.8	1081.6	1223.3
80°	5166.3	3190.6	1214.8	894.6	574.6	589.8	605.0	707.4	809.5	978.9
82.5°	3003.2	1846.6	690.2	550.2	410.6	413.2	416.3	491.6	567.0	711.5
85°	1321.3	830.6	340.2	294.1	248.3	246.9	245.4	300.6	355.8	463.3
87.5°	409.0	272.1	135.1	122.0	108.8	107.5	106.2	128.6	151.3	196.0
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°
4958.0	0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
4906.3	2.5°	4869.7	4833.4	4800.5	4767.8	4739.0	4710.3	4681.4	4652.7	4630.4	4607.9
4862.9	5°	4794.0	4724.9	4667.1	4609.5	4558.5	4507.5	4461.3	4414.8	4379.3	4343.5
4847.3	7.5°	4755.6	4664.1	4588.0	4511.9	4447.8	4383.4	4326.7	4270.2	4227.8	4185.6
4854.9	10°	4758.2	4661.6	4585.5	4509.4	4440.3	4371.1	4307.3	4243.6	4193.0	4142.2
4864.4	12.5°	4785.3	4706.5	4655.9	4605.7	4551.2	4497.2	4431.2	4365.4	4300.7	4236.0
4823.9	15°	4786.0	4748.4	4755.2	4762.0	4748.0	4733.9	4676.6	4619.4	4527.3	4435.2
4700.2	17.5°	4714.1	4727.8	4810.8	4893.7	4937.8	4981.8	4935.6	4889.5	4767.6	4645.6
4498.5	20°	4563.2	4627.9	4771.9	4916.2	5008.4	5100.7	5079.4	5057.9	4918.4	4779.2
4269.7	22.5°	4365.4	4461.1	4625.4	4790.2	4910.3	5030.3	5043.2	5056.0	4922.8	4789.6
4047.6	25°	4158.0	4268.3	4416.2	4564.2	4682.3	4800.5	4844.6	4888.6	4779.4	4670.3
3853.6	27.5°	3960.1	4066.7	4188.2	4309.6	4404.4	4499.1	4548.2	4597.5	4519.7	4442.0
3682.9	30°	3767.4	3852.3	3953.1	4053.9	4132.5	4211.3	4251.2	4291.2	4232.0	4172.6
3533.4	32.5°	3583.4	3633.5	3713.9	3794.6	3869.9	3945.5	3989.8	4034.3	3979.9	3925.3
3392.2	35°	3405.9	3419.8	3481.3	3542.5	3617.1	3691.9	3745.1	3798.4	3759.6	3721.0
3244.2	37.5°	3229.0	3213.8	3257.9	3301.9	3376.2	3450.8	3516.6	3582.5	3564.6	3546.7
3082.1	40°	3047.7	3013.2	3045.0	3076.8	3148.7	3220.6	3296.3	3372.2	3376.6	3380.8
2909.9	42.5°	2864.3	2818.6	2844.5	2870.5	2938.7	3007.0	3088.8	3170.6	3192.5	3214.3
2738.7	45°	2694.2	2649.9	2671.5	2693.6	2758.3	2823.0	2907.8	2992.7	3024.1	3055.5
2585.9	47.5°	2548.6	2511.3	2531.9	2552.3	2615.6	2678.8	2762.5	2846.2	2882.3	2918.5
2451.4	50°	2418.3	2385.4	2417.4	2449.5	2509.3	2568.8	2643.8	2718.7	2765.1	2811.6
2351.2	52.5°	2318.4	2285.9	2334.0	2382.0	2436.8	2491.4	2561.2	2631.2	2686.2	2741.2
2297.9	55°	2246.1	2194.6	2262.9	2331.0	2390.0	2448.9	2510.2	2571.3	2629.5	2687.9
2265.9	57.5°	2190.6	2115.2	2188.7	2262.1	2331.4	2400.6	2461.1	2521.8	2580.6	2639.2
2235.9	60°	2138.3	2040.5	2105.0	2169.3	2248.8	2328.3	2389.8	2451.4	2510.4	2569.4
2200.9	62.5°	2078.7	1956.8	1997.7	2038.6	2131.2	2224.1	2289.7	2355.3	2409.4	2463.4
2127.0	65°	1997.3	1867.3	1883.1	1898.7	1998.0	2097.5	2160.3	2223.1	2270.7	2318.2
1995.4	67.5°	1887.3	1779.3	1774.3	1769.4	1861.1	1953.0	2012.5	2071.9	2113.0	2154.1
1828.3	70°	1751.5	1674.6	1657.5	1640.4	1721.0	1801.7	1853.1	1904.4	1941.5	1978.6
1642.3	72.5°	1589.6	1536.9	1511.8	1486.8	1550.4	1613.7	1660.2	1706.6	1742.9	1779.3
1431.1	75°	1390.6	1349.8	1325.9	1301.7	1348.9	1396.1	1438.1	1480.2	1513.3	1546.4
1219.5	77.5°	1187.0	1154.5	1130.1	1105.8	1144.2	1182.4	1218.6	1254.7	1289.5	1324.2
978.3	80°	951.1	923.7	903.3	882.8	914.7	946.5	977.0	1007.4	1033.8	1060.1
719.5	82.5°	706.2	692.9	678.4	664.0	661.3	658.7	648.0	637.3	693.7	750.0
473.7	85°	459.5	445.2	429.0	412.9	399.2	385.3	355.8	326.3	379.0	431.9
209.3	87.5°	203.6	197.9	194.8	191.8	191.2	190.6	168.2	145.5	167.6	189.9
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°
4958.0	0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
4589.9	2.5°	4571.8	4557.7	4543.6	4530.7	4517.6	4501.4	4517.6	4530.7	4543.6	4557.7
4318.6	5°	4293.6	4276.0	4258.3	4244.7	4231.2	4217.9	4231.2	4244.7	4258.3	4276.0
4155.9	7.5°	4126.2	4105.9	4085.7	4073.5	4061.5	4052.4	4061.5	4073.5	4085.7	4105.9
4109.1	10°	4075.6	4056.4	4037.2	4026.9	4016.6	4012.4	4016.6	4026.9	4037.2	4056.4
4193.2	12.5°	4150.4	4128.9	4107.6	4098.8	4090.1	4088.6	4090.1	4098.8	4107.6	4128.9
4370.1	15°	4305.1	4275.2	4245.5	4234.1	4222.7	4221.7	4222.7	4234.1	4245.5	4275.2
4549.7	17.5°	4453.8	4409.7	4365.4	4350.9	4336.3	4334.0	4336.3	4350.9	4365.4	4409.7
4661.6	20°	4544.2	4487.7	4431.0	4412.9	4394.9	4389.2	4394.9	4412.9	4431.0	4487.7
4668.6	22.5°	4547.4	4487.9	4428.2	4408.2	4388.2	4379.6	4388.2	4408.2	4428.2	4487.9
4562.7	25°	4455.4	4403.6	4352.1	4333.2	4314.6	4303.5	4314.6	4333.2	4352.1	4403.6
4358.5	27.5°	4275.0	4240.4	4205.6	4197.0	4188.4	4185.6	4188.4	4197.0	4205.6	4240.4
4112.9	30°	4052.8	4035.1	4017.2	4017.2	4017.2	4020.1	4017.2	4017.2	4017.2	4035.1
3877.6	32.5°	3829.8	3818.2	3806.6	3808.1	3809.8	3812.7	3809.8	3808.1	3806.6	3818.2
3676.8	35°	3632.9	3615.2	3597.7	3593.9	3590.1	3588.2	3590.1	3593.9	3597.7	3615.2
3506.2	37.5°	3465.5	3433.3	3401.4	3384.4	3367.5	3358.0	3367.5	3384.4	3401.4	3433.3
3346.4	40°	3311.9	3265.1	3218.7	3187.1	3155.9	3137.3	3155.9	3187.1	3218.7	3265.1
3185.2	42.5°	3156.3	3098.3	3040.3	2994.4	2948.6	2918.5	2948.6	2994.4	3040.3	3098.3
3029.2	45°	3003.2	2936.8	2870.5	2816.7	2762.9	2728.2	2762.9	2816.7	2870.5	2936.8
2900.2	47.5°	2882.0	2823.0	2764.0	2714.2	2664.5	2631.2	2664.5	2714.2	2764.0	2823.0
2810.4	50°	2809.7	2762.5	2715.3	2669.3	2623.2	2591.3	2623.2	2669.3	2715.3	2762.5
2751.1	52.5°	2761.0	2722.5	2684.1	2642.8	2601.7	2572.2	2601.7	2642.8	2684.1	2722.5
2701.6	55°	2715.3	2681.8	2648.3	2612.2	2576.0	2549.4	2576.0	2612.2	2648.3	2681.8
2653.1	57.5°	2667.0	2633.1	2599.2	2563.5	2527.5	2499.9	2527.5	2563.5	2599.2	2633.1
2584.6	60°	2599.8	2566.7	2533.8	2496.9	2460.0	2431.4	2460.0	2496.9	2533.8	2566.7
2478.1	62.5°	2492.7	2462.8	2433.0	2394.2	2355.3	2321.1	2355.3	2394.2	2433.0	2462.8
2333.3	65°	2348.1	2319.4	2290.7	2253.0	2215.5	2186.0	2215.5	2253.0	2290.7	2319.4
2168.7	67.5°	2183.2	2156.7	2130.5	2095.5	2060.4	2033.8	2060.4	2095.5	2130.5	2156.7
1992.7	70°	2006.8	1985.3	1963.8	1930.3	1896.8	1866.4	1896.8	1930.3	1963.8	1985.3
1796.0	72.5°	1812.7	1794.9	1777.0	1745.0	1713.2	1683.7	1713.2	1745.0	1777.0	1794.9
1563.9	75°	1581.4	1572.6	1563.9	1537.1	1510.2	1482.1	1510.2	1537.1	1563.9	1572.6
1340.5	77.5°	1356.9	1344.7	1332.2	1305.1	1278.1	1255.7	1278.1	1305.1	1332.2	1344.7
1081.8	80°	1103.5	1098.1	1093.0	1056.7	1020.1	977.9	1020.1	1056.7	1093.0	1098.1
786.9	82.5°	823.8	821.5	819.0	788.4	757.6	730.6	757.6	788.4	819.0	821.5
477.5	85°	523.2	519.4	515.6	491.6	467.6	443.3	467.6	491.6	515.6	519.4
208.3	87.5°	226.8	222.2	217.3	205.1	192.5	180.7	192.5	205.1	217.3	222.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4958.0	0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
4571.8	2.5°	4589.9	4607.9	4630.4	4652.7	4681.4	4710.3	4739.0	4767.8	4800.5	4833.4
4293.6	5°	4318.6	4343.5	4379.3	4414.8	4461.3	4507.5	4558.5	4609.5	4667.1	4724.9
4126.2	7.5°	4155.9	4185.6	4227.8	4270.2	4326.7	4383.4	4447.8	4511.9	4588.0	4664.1
4075.6	10°	4109.1	4142.2	4193.0	4243.6	4307.3	4371.1	4440.3	4509.4	4585.5	4661.6
4150.4	12.5°	4193.2	4236.0	4300.7	4365.4	4431.2	4497.2	4551.2	4605.7	4655.9	4706.5
4305.1	15°	4370.1	4435.2	4527.3	4619.4	4676.6	4733.9	4748.0	4762.0	4755.2	4748.4
4453.8	17.5°	4549.7	4645.6	4767.6	4889.5	4935.6	4981.8	4937.8	4893.7	4810.8	4727.8
4544.2	20°	4661.6	4779.2	4918.4	5057.9	5079.4	5100.7	5008.4	4916.2	4771.9	4627.9
4547.4	22.5°	4668.6	4789.6	4922.8	5056.0	5043.2	5030.3	4910.3	4790.2	4625.4	4461.1
4455.4	25°	4562.7	4670.3	4779.4	4888.6	4844.6	4800.5	4682.3	4564.2	4416.2	4268.3
4275.0	27.5°	4358.5	4442.0	4519.7	4597.5	4548.2	4499.1	4404.4	4309.6	4188.2	4066.7
4052.8	30°	4112.9	4172.6	4232.0	4291.2	4251.2	4211.3	4132.5	4053.9	3953.1	3852.3
3829.8	32.5°	3877.6	3925.3	3979.9	4034.3	3989.8	3945.5	3869.9	3794.6	3713.9	3633.5
3632.9	35°	3676.8	3721.0	3759.6	3798.4	3745.1	3691.9	3617.1	3542.5	3481.3	3419.8
3465.5	37.5°	3506.2	3546.7	3564.6	3582.5	3516.6	3450.8	3376.2	3301.9	3257.9	3213.8
3311.9	40°	3346.4	3380.8	3376.6	3372.2	3296.3	3220.6	3148.7	3076.8	3045.0	3013.2
3156.3	42.5°	3185.2	3214.3	3192.5	3170.6	3088.8	3007.0	2938.7	2870.5	2844.5	2818.6
3003.2	45°	3029.2	3055.5	3024.1	2992.7	2907.8	2823.0	2758.3	2693.6	2671.5	2649.9
2882.0	47.5°	2900.2	2918.5	2882.3	2846.2	2762.5	2678.8	2615.6	2552.3	2531.9	2511.3
2809.7	50°	2810.4	2811.6	2765.1	2718.7	2643.8	2568.8	2509.3	2449.5	2417.4	2385.4
2761.0	52.5°	2751.1	2741.2	2686.2	2631.2	2561.2	2491.4	2436.8	2382.0	2334.0	2285.9
2715.3	55°	2701.6	2687.9	2629.5	2571.3	2510.2	2448.9	2390.0	2331.0	2262.9	2194.6
2667.0	57.5°	2653.1	2639.2	2580.6	2521.8	2461.1	2400.6	2331.4	2262.1	2188.7	2115.2
2599.8	60°	2584.6	2569.4	2510.4	2451.4	2389.8	2328.3	2248.8	2169.3	2105.0	2040.5
2492.7	62.5°	2478.1	2463.4	2409.4	2355.3	2289.7	2224.1	2131.2	2038.6	1997.7	1956.8
2348.1	65°	2333.3	2318.2	2270.7	2223.1	2160.3	2097.5	1998.0	1898.7	1883.1	1867.3
2183.2	67.5°	2168.7	2154.1	2113.0	2071.9	2012.5	1953.0	1861.1	1769.4	1774.3	1779.3
2006.8	70°	1992.7	1978.6	1941.5	1904.4	1853.1	1801.7	1721.0	1640.4	1657.5	1674.6
1812.7	72.5°	1796.0	1779.3	1742.9	1706.6	1660.2	1613.7	1550.4	1486.8	1511.8	1536.9
1581.4	75°	1563.9	1546.4	1513.3	1480.2	1438.1	1396.1	1348.9	1301.7	1325.9	1349.8
1356.9	77.5°	1340.5	1324.2	1289.5	1254.7	1218.6	1182.4	1144.2	1105.8	1130.1	1154.5
1103.5	80°	1081.8	1060.1	1033.8	1007.4	977.0	946.5	914.7	882.8	903.3	923.7
823.8	82.5°	786.9	750.0	693.7	637.3	648.0	658.7	661.3	664.0	678.4	692.9
523.2	85°	477.5	431.9	379.0	326.3	355.8	385.3	399.2	412.9	429.0	445.2
226.8	87.5°	208.3	189.9	167.6	145.5	168.2	190.6	191.2	191.8	194.8	197.9
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4958.0	0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
4869.7	2.5°	4906.3	4951.4	4991.9	5033.7	5075.6	5119.3	5163.1	5206.5	5250.0	5291.0
4794.0	5°	4862.9	4941.8	5021.7	5106.4	5191.1	5281.6	5372.4	5462.4	5552.6	5642.9
4755.6	7.5°	4847.3	4949.4	5058.5	5176.6	5294.8	5428.9	5563.0	5700.8	5838.5	5987.5
4758.2	10°	4854.9	4964.7	5099.2	5239.2	5378.9	5541.9	5704.8	5886.6	6068.7	6257.3
4785.3	12.5°	4864.4	4966.6	5107.9	5266.0	5424.1	5616.3	5808.4	6014.7	6220.9	6427.9
4786.0	15°	4823.9	4905.7	5062.3	5245.3	5428.3	5649.6	5870.8	6094.6	6318.3	6534.3
4714.1	17.5°	4700.2	4750.6	4934.8	5154.9	5375.0	5631.9	5888.7	6132.8	6376.9	6595.9
4563.2	20°	4498.5	4511.9	4726.3	4999.1	5271.9	5583.2	5894.4	6162.7	6431.0	6658.7
4365.4	22.5°	4269.7	4243.6	4487.7	4816.3	5144.8	5523.4	5902.0	6203.0	6503.8	6736.5
4158.0	25°	4047.6	3977.3	4227.4	4612.1	4997.0	5464.5	5932.1	6276.1	6619.9	6847.6
3960.1	27.5°	3853.6	3768.0	3995.7	4425.5	4855.3	5425.1	5994.9	6390.2	6785.4	7002.9
3767.4	30°	3682.9	3615.8	3807.0	4269.5	4732.0	5406.6	6080.9	6538.1	6995.2	7205.1
3583.4	32.5°	3533.4	3503.5	3657.6	4135.0	4612.1	5383.8	6155.1	6692.4	7229.6	7437.4
3405.9	35°	3392.2	3404.6	3533.0	4002.7	4472.5	5340.8	6209.5	6868.2	7526.8	7726.0
3229.0	37.5°	3244.2	3289.5	3401.7	3847.1	4292.5	5267.2	6241.8	7065.1	7888.3	8142.1
3047.7	40°	3082.1	3151.6	3253.3	3661.4	4069.5	5165.8	6262.2	7315.1	8367.7	8737.6
2864.3	42.5°	2909.9	2997.4	3091.2	3456.5	3821.8	5061.1	6300.8	7642.1	8983.4	9517.2
2694.2	45°	2738.7	2823.4	2918.5	3238.9	3559.3	4963.9	6368.7	8072.5	9776.2	10496.3
2548.6	47.5°	2585.9	2658.8	2781.5	3066.7	3351.9	4883.6	6415.4	8531.0	10646.6	11660.3
2418.3	50°	2451.4	2536.1	2697.4	2952.4	3207.3	4796.1	6384.9	8956.4	11527.9	13056.0
2318.4	52.5°	2351.2	2469.5	2655.0	2877.0	3099.2	4648.3	6197.5	9232.6	12267.6	14522.1
2246.1	55°	2297.9	2476.2	2648.7	2822.4	2996.1	4403.2	5810.3	9171.7	12533.0	15821.9
2190.6	57.5°	2265.9	2482.8	2635.0	2757.7	2880.4	4057.7	5234.8	8743.3	12252.0	16743.1
2138.3	60°	2235.9	2461.9	2562.3	2658.8	2755.3	3609.1	4463.0	7945.9	11428.9	16973.3
2078.7	62.5°	2200.9	2410.5	2422.9	2486.8	2550.9	3072.2	3593.5	6867.8	10142.0	16003.9
1997.3	65°	2127.0	2286.8	2285.3	2315.6	2345.8	2589.2	2832.5	5767.7	8703.2	14632.4
1887.3	67.5°	1995.4	2085.2	2089.4	2072.6	2055.7	2124.9	2194.0	4690.1	7186.3	13000.2
1751.5	70°	1828.3	1857.8	1857.8	1779.6	1701.2	1681.7	1661.9	3692.8	5723.8	11219.3
1589.6	72.5°	1642.3	1641.9	1623.2	1512.3	1401.2	1341.5	1281.9	2823.2	4364.4	9288.6
1390.6	75°	1431.1	1438.3	1352.3	1227.9	1103.5	1049.4	995.4	2049.0	3102.7	7075.3
1187.0	77.5°	1219.5	1223.3	1081.6	960.8	840.0	803.1	766.3	1388.5	2010.6	4952.1
951.1	80°	978.3	978.9	809.5	707.4	605.0	589.8	574.6	894.6	1214.8	3190.6
706.2	82.5°	719.5	711.5	567.0	491.6	416.3	413.2	410.6	550.2	690.2	1846.6
459.5	85°	473.7	463.3	355.8	300.6	245.4	246.9	248.3	294.1	340.2	830.6
203.6	87.5°	209.3	196.0	151.3	128.6	106.2	107.5	108.8	122.0	135.1	272.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4958.0	0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
5331.9	2.5°	5352.0	5372.4	5401.1	5429.8	5447.0	5464.1	5472.6	5481.2	5477.4	5481.2
5733.3	5°	5803.9	5874.7	5944.7	6014.9	6052.9	6091.0	6114.0	6137.2	6154.7	6137.2
6136.6	7.5°	6251.5	6366.3	6469.6	6572.9	6635.1	6697.3	6731.0	6764.5	6780.6	6764.5
6445.8	10°	6581.6	6717.5	6838.7	6959.9	7033.3	7106.4	7139.1	7171.6	7184.0	7171.6
6635.1	12.5°	6782.4	6929.4	7039.0	7148.2	7201.5	7254.8	7272.6	7290.5	7292.4	7290.5
6750.2	15°	6877.3	7004.2	7072.9	7141.7	7143.6	7145.5	7126.5	7107.5	7085.0	7107.5
6814.9	17.5°	6900.7	6986.5	6987.8	6989.0	6911.9	6834.9	6764.3	6693.5	6643.7	6693.5
6886.2	20°	6916.1	6946.2	6855.8	6765.4	6595.3	6425.2	6301.4	6177.5	6101.4	6177.5
6969.0	22.5°	6929.8	6890.6	6703.4	6516.2	6266.0	6015.8	5861.0	5706.1	5622.0	5706.1
7075.5	25°	6951.9	6828.2	6544.0	6259.7	5955.9	5652.1	5489.2	5326.7	5247.2	5326.7
7220.1	27.5°	6999.1	6777.8	6401.3	6025.0	5688.2	5351.5	5191.3	5031.3	4956.1	5031.3
7415.1	30°	7085.4	6755.9	6292.4	5829.0	5478.2	5127.3	4978.7	4830.2	4760.1	4830.2
7645.3	32.5°	7193.9	6742.6	6218.3	5693.9	5364.2	5034.5	4917.9	4801.1	4750.6	4801.1
7925.0	35°	7372.5	6820.2	6273.8	5727.6	5498.5	5269.6	5242.4	5215.2	5211.0	5215.2
8395.9	37.5°	7746.0	7096.1	6599.5	6103.0	6088.1	6073.3	6197.7	6322.1	6386.8	6322.1
9107.4	40°	8400.7	7693.9	7324.6	6955.3	7215.9	7476.6	7779.1	8081.6	8232.3	8081.6
10051.1	42.5°	9349.8	8648.6	8435.8	8223.1	8791.6	9360.1	9910.3	10460.5	10783.6	10460.5
11216.4	45°	10586.5	9956.4	9862.6	9768.6	10679.3	11590.3	12494.3	13398.6	13947.5	13398.6
12673.7	47.5°	12060.9	11447.9	11428.9	11409.9	12723.8	14037.3	15360.9	16684.3	17461.5	16684.3
14583.9	50°	13826.9	13070.0	13073.3	13076.5	14769.8	16463.0	18210.1	19957.2	21013.5	19957.2
16776.6	52.5°	15859.9	14943.5	14850.8	14758.0	16780.6	18803.2	20964.8	23126.3	24392.4	23126.3
19111.0	55°	18205.4	17299.8	16938.5	16577.2	18828.3	21079.2	23656.1	26233.1	27739.0	26233.1
21234.2	57.5°	20741.1	20247.7	19523.1	18798.6	21071.5	23344.5	26263.4	29182.1	31049.4	29182.1
22517.5	60°	23283.4	24049.6	23149.7	22249.8	24400.8	26551.8	29676.9	32802.0	34820.2	32802.0
21865.9	62.5°	23958.8	26051.8	25950.4	25848.8	27819.3	29789.9	32763.2	35736.3	37601.7	35736.3
20561.7	65°	22526.0	24490.4	24879.1	25267.6	27771.7	30276.0	33159.1	36042.0	37630.3	36042.0
18814.2	67.5°	20682.5	22550.8	22733.0	22915.1	25524.2	28133.2	31028.7	33924.1	35168.4	33924.1
16714.7	70°	18746.8	20779.1	20860.6	20942.2	23275.4	25608.5	28100.3	30591.8	31283.4	30591.8
14212.9	72.5°	16544.8	18877.0	18935.6	18994.0	20819.5	22644.9	24511.1	26377.1	26447.2	26377.1
11048.0	75°	13461.6	15875.1	16091.8	16308.5	17728.8	19149.0	20462.7	21776.4	21424.5	21776.4
7893.6	77.5°	10146.6	12399.8	12709.9	13020.0	14099.7	15179.4	16111.1	17042.9	16437.9	17042.9
5166.3	80°	7061.8	8957.1	9342.6	9728.1	10543.5	11358.5	11847.9	12337.0	11363.9	12337.0
3003.2	82.5°	4299.0	5595.0	6025.5	6456.3	7017.5	7578.8	7782.9	7986.8	7222.0	7986.8
1321.3	85°	2009.1	2696.8	3063.1	3429.3	3890.5	4351.5	4467.3	4583.2	3970.6	4583.2
409.0	87.5°	640.2	871.4	1075.7	1280.0	1510.6	1741.2	1751.1	1760.8	1478.3	1760.8
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°
4958.0	0°	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0	4958.0
5472.6	2.5°	5464.1	5447.0	5429.8	5401.1	5372.4	5352.0	5331.9
6114.0	5°	6091.0	6052.9	6014.9	5944.7	5874.7	5803.9	5733.3
6731.0	7.5°	6697.3	6635.1	6572.9	6469.6	6366.3	6251.5	6136.6
7139.1	10°	7106.4	7033.3	6959.9	6838.7	6717.5	6581.6	6445.8
7272.6	12.5°	7254.8	7201.5	7148.2	7039.0	6929.4	6782.4	6635.1
7126.5	15°	7145.5	7143.6	7141.7	7072.9	7004.2	6877.3	6750.2
6764.3	17.5°	6834.9	6911.9	6989.0	6987.8	6986.5	6900.7	6814.9
6301.4	20°	6425.2	6595.3	6765.4	6855.8	6946.2	6916.1	6886.2
5861.0	22.5°	6015.8	6266.0	6516.2	6703.4	6890.6	6929.8	6969.0
5489.2	25°	5652.1	5955.9	6259.7	6544.0	6828.2	6951.9	7075.5
5191.3	27.5°	5351.5	5688.2	6025.0	6401.3	6777.8	6999.1	7220.1
4978.7	30°	5127.3	5478.2	5829.0	6292.4	6755.9	7085.4	7415.1
4917.9	32.5°	5034.5	5364.2	5693.9	6218.3	6742.6	7193.9	7645.3
5242.4	35°	5269.6	5498.5	5727.6	6273.8	6820.2	7372.5	7925.0
6197.7	37.5°	6073.3	6088.1	6103.0	6599.5	7096.1	7746.0	8395.9
7779.1	40°	7476.6	7215.9	6955.3	7324.6	7693.9	8400.7	9107.4
9910.3	42.5°	9360.1	8791.6	8223.1	8435.8	8648.6	9349.8	10051.1
12494.3	45°	11590.3	10679.3	9768.6	9862.6	9956.4	10586.5	11216.4
15360.9	47.5°	14037.3	12723.8	11409.9	11428.9	11447.9	12060.9	12673.7
18210.1	50°	16463.0	14769.8	13076.5	13073.3	13070.0	13826.9	14583.9
20964.8	52.5°	18803.2	16780.6	14758.0	14850.8	14943.5	15859.9	16776.6
23656.1	55°	21079.2	18828.3	16577.2	16938.5	17299.8	18205.4	19111.0
26263.4	57.5°	23344.5	21071.5	18798.6	19523.1	20247.7	20741.1	21234.2
29676.9	60°	26551.8	24400.8	22249.8	23149.7	24049.6	23283.4	22517.5
32763.2	62.5°	29789.9	27819.3	25848.8	25950.4	26051.8	23958.8	21865.9
33159.1	65°	30276.0	27771.7	25267.6	24879.1	24490.4	22526.0	20561.7
31028.7	67.5°	28133.2	25524.2	22915.1	22733.0	22550.8	20682.5	18814.2
28100.3	70°	25608.5	23275.4	20942.2	20860.6	20779.1	18746.8	16714.7
24511.1	72.5°	22644.9	20819.5	18994.0	18935.6	18877.0	16544.8	14212.9
20462.7	75°	19149.0	17728.8	16308.5	16091.8	15875.1	13461.6	11048.0
16111.1	77.5°	15179.4	14099.7	13020.0	12709.9	12399.8	10146.6	7893.6
11847.9	80°	11358.5	10543.5	9728.1	9342.6	8957.1	7061.8	5166.3
7782.9	82.5°	7578.8	7017.5	6456.3	6025.5	5595.0	4299.0	3003.2
4467.3	85°	4351.5	3890.5	3429.3	3063.1	2696.8	2009.1	1321.3
1751.1	87.5°	1741.2	1510.6	1280.0	1075.7	871.4	640.2	409.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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