

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: P955069

Luminaire Tested: **GALN-SB8A-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955069
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-SB8A-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34571 lumens
Efficiency: N/A
Efficacy: 152.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

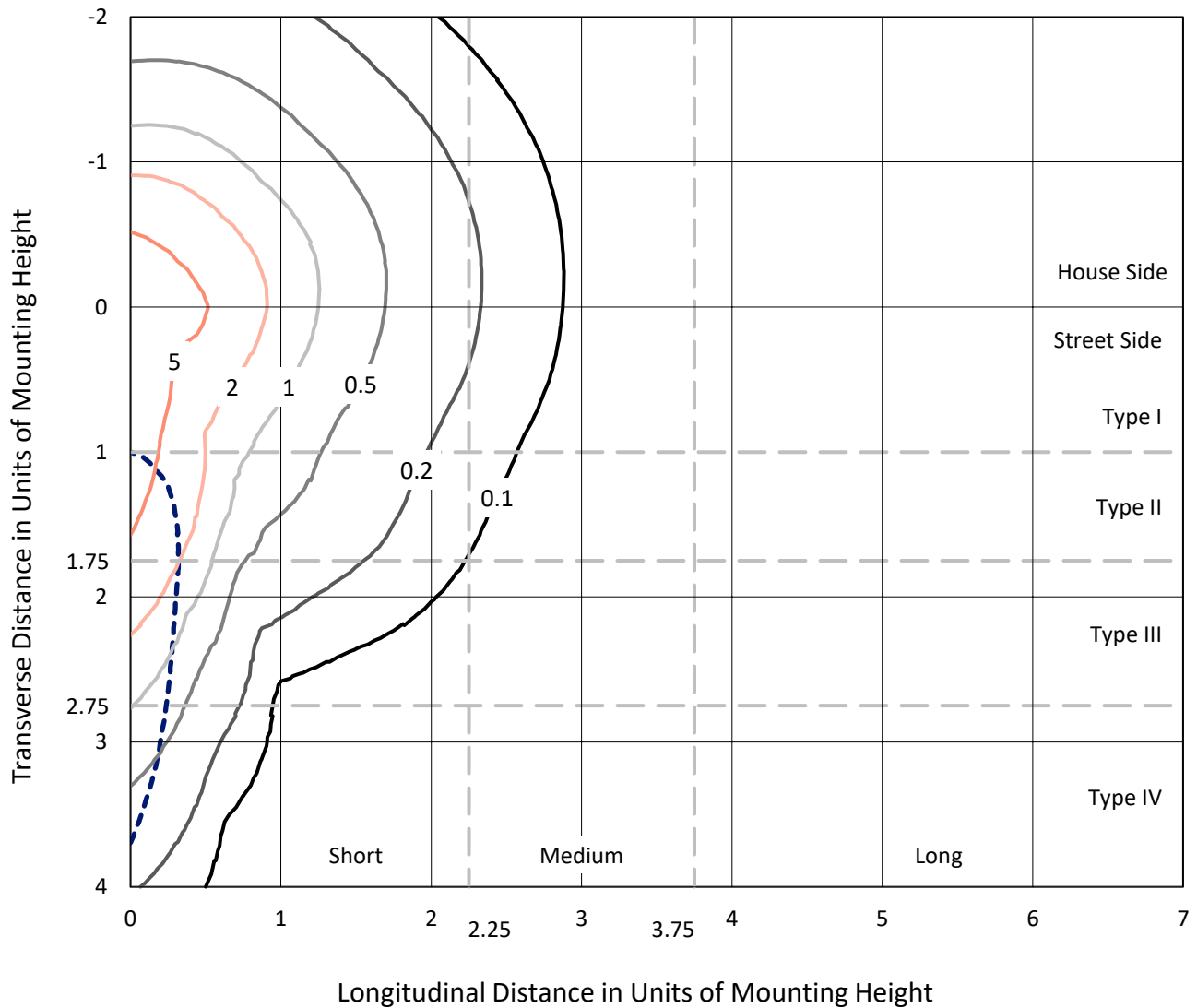
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

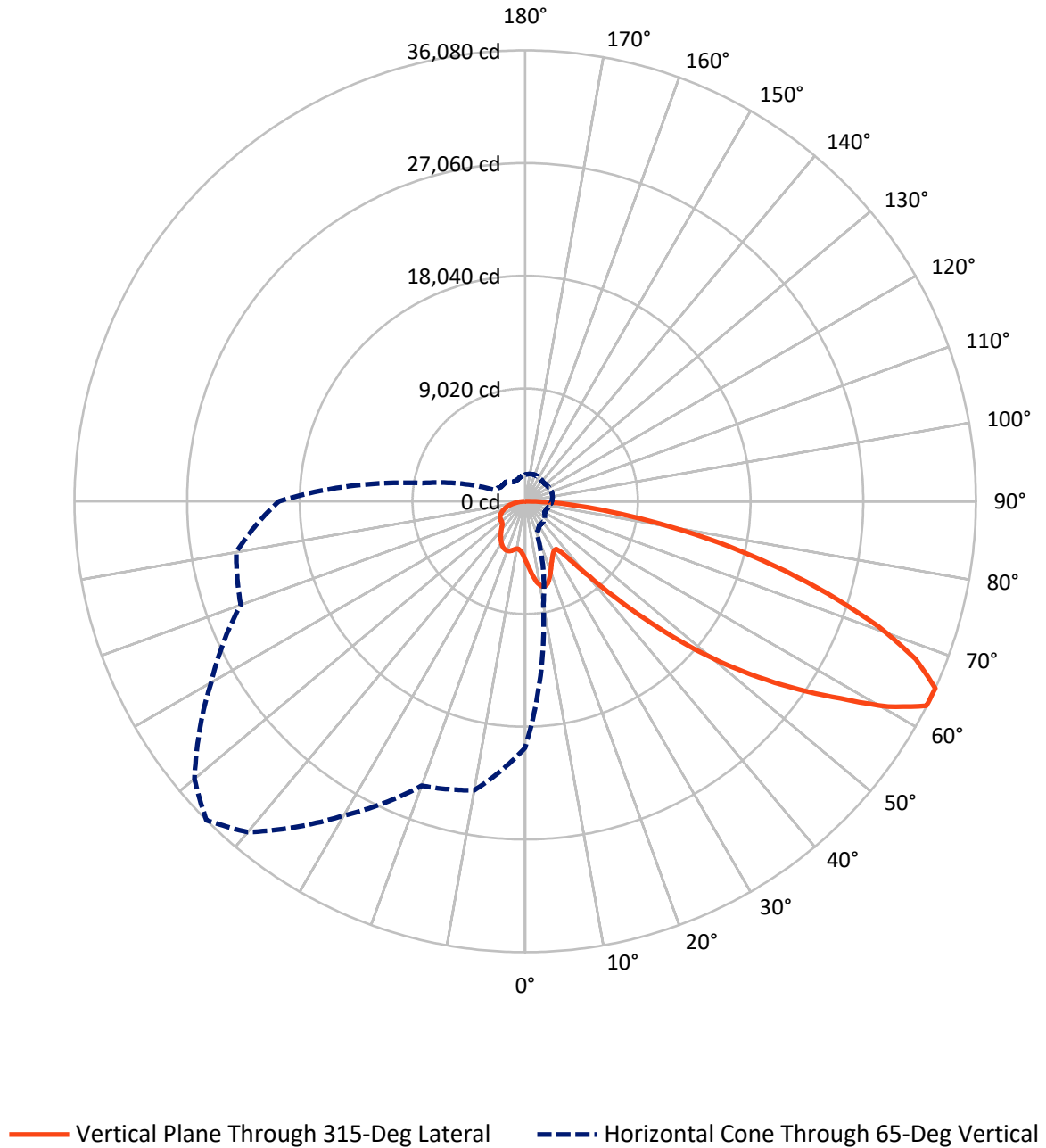
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	8786.2	0.0	8786.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	25784.8	0.0	25784.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	34571.0	0.0	34571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	471.6	1.4
10°-20°	1480.4	4.3
20°-30°	2286.7	6.6
30°-40°	2897.8	8.4
40°-50°	4370.6	12.6
50°-60°	7061.3	20.4
60°-70°	8803.0	25.5
70°-80°	5772.6	16.7
80°-90°	1427.1	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°	34571.0	100.0
0°-180°	34571.0	100.0

Coefficient of Utilization



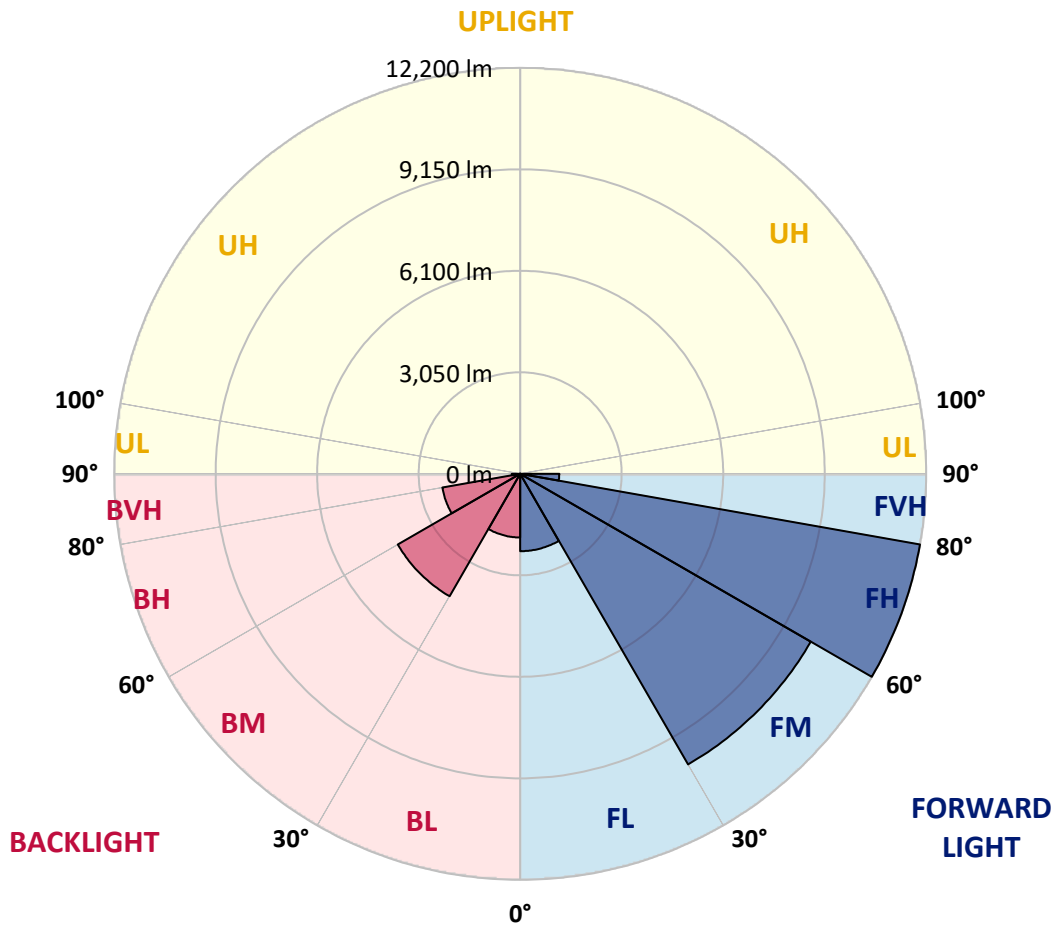
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2325.3	6.7			
FM (30°-60°)	10083.6	29.2			
FH (60°-80°)	12200.2	35.3			G5
FVH (80°-90°)	1175.6	3.4			G5
BL (0°-30°)	1913.3	5.5	B3/2500		
BM (30°-60°)	4246.0	12.3	B3/5000		
BH (60°-80°)	2375.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	251.5	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°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
2.5°	5112.3	5073.0	5033.8	4992.0	4950.5	4908.5	4866.5	4826.4	4786.3	4747.4
5°	5497.2	5410.5	5323.9	5237.4	5151.1	5064.1	4977.3	4896.1	4814.9	4738.3
7.5°	5883.9	5740.9	5598.0	5466.0	5333.9	5205.3	5076.7	4963.4	4850.1	4745.6
10°	6180.3	5999.5	5818.8	5644.2	5469.8	5313.7	5157.3	5023.4	4889.2	4760.2
12.5°	6361.8	6163.2	5964.7	5767.0	5569.2	5385.0	5200.7	5049.1	4897.6	4762.0
15°	6472.2	6265.1	6058.1	5843.6	5629.1	5416.9	5204.7	5029.3	4853.8	4703.6
17.5°	6534.2	6324.2	6114.3	5880.2	5646.2	5399.9	5153.7	4942.6	4731.6	4555.0
20°	6602.6	6384.4	6166.1	5908.9	5651.7	5353.2	5054.8	4793.2	4531.6	4326.0
22.5°	6682.0	6459.1	6236.0	5947.6	5659.0	5296.0	4932.9	4617.9	4302.9	4068.8
25°	6784.1	6565.6	6347.2	6017.6	5687.8	5239.4	4791.2	4422.2	4053.3	3813.4
27.5°	6922.8	6714.4	6505.9	6127.1	5748.0	5201.6	4655.3	4243.2	3831.1	3612.8
30°	7109.7	6908.3	6707.1	6268.8	5830.4	5184.0	4537.1	4093.6	3650.2	3466.9
32.5°	7330.5	7131.1	6931.9	6416.7	5901.6	5162.1	4422.2	3964.7	3507.0	3359.2
35°	7598.6	7407.8	7216.8	6585.3	5953.8	5120.8	4288.3	3837.9	3387.5	3264.4
37.5°	8050.1	7806.8	7563.4	6774.1	5984.8	5050.2	4115.7	3688.7	3261.6	3154.0
40°	8732.3	8377.7	8023.1	7013.8	6004.3	4953.0	3901.9	3510.6	3119.3	3021.8
42.5°	9637.1	9125.3	8613.4	7327.4	6041.3	4852.7	3664.4	3314.2	2963.9	2874.0
45°	10754.4	10064.0	9373.5	7740.0	6106.4	4759.5	3412.7	3105.5	2798.3	2707.1
47.5°	12151.8	11180.0	10208.1	8179.6	6151.1	4682.5	3213.8	2940.4	2666.9	2549.3
50°	13983.2	12518.2	11053.1	8587.5	6121.9	4598.6	3075.2	2830.8	2586.3	2431.6
52.5°	16085.6	13924.0	11762.3	8852.4	5942.3	4456.8	2971.6	2758.5	2545.6	2367.8
55°	18323.9	15170.2	12016.8	8794.0	5571.0	4221.9	2872.7	2706.2	2539.6	2374.2
57.5°	20359.7	16053.5	11747.3	8383.2	5019.2	3890.6	2761.8	2644.1	2526.5	2380.6
60°	21590.1	16274.2	10958.2	7618.7	4279.2	3460.5	2641.8	2549.3	2456.8	2360.5
62.5°	20965.3	15344.8	9724.3	6584.9	3445.5	2945.7	2445.9	2384.4	2323.1	2311.2
65°	19714.8	14029.8	8344.7	5530.2	2715.8	2482.5	2249.2	2220.2	2191.2	2192.7
67.5°	18039.3	12464.8	6890.3	4497.0	2103.6	2037.4	1971.0	1987.3	2003.3	1999.3
70°	16026.3	10757.2	5488.0	3540.7	1593.4	1612.4	1631.2	1706.3	1781.3	1781.3
72.5°	13627.5	8906.0	4184.7	2706.9	1229.1	1286.2	1343.5	1450.0	1556.4	1574.3
75°	10593.0	6783.9	2974.9	1964.6	954.4	1006.2	1058.0	1177.3	1296.6	1379.1
77.5°	7568.5	4748.2	1927.8	1331.3	734.8	770.0	805.4	921.2	1037.0	1172.9
80°	4953.6	3059.1	1164.7	857.7	550.9	565.5	580.1	678.2	776.2	938.5
82.5°	2879.5	1770.5	661.8	527.6	393.7	396.2	399.1	471.4	543.6	682.2
85°	1266.9	796.4	326.2	282.0	238.1	236.8	235.3	288.2	341.1	444.2
87.5°	392.2	260.9	129.5	116.9	104.3	103.1	101.8	123.3	145.0	187.9
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°
4753.8	0°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
4704.2	2.5°	4669.2	4634.3	4602.8	4571.4	4543.8	4516.3	4488.6	4461.0	4439.7	4418.2
4662.6	5°	4596.6	4530.3	4474.9	4419.6	4370.7	4321.8	4277.5	4233.0	4198.9	4164.6
4647.6	7.5°	4559.7	4472.0	4399.0	4326.0	4264.6	4202.9	4148.5	4094.4	4053.7	4013.2
4654.9	10°	4562.3	4469.6	4396.6	4323.7	4257.5	4191.1	4129.9	4068.8	4020.3	3971.6
4664.1	12.5°	4588.2	4512.7	4464.1	4416.0	4363.8	4312.0	4248.7	4185.6	4123.6	4061.5
4625.2	15°	4588.9	4552.8	4559.4	4565.9	4552.4	4538.9	4484.0	4429.1	4340.8	4252.5
4506.6	17.5°	4520.0	4533.1	4612.6	4692.2	4734.5	4776.6	4732.3	4688.1	4571.2	4454.3
4313.3	20°	4375.3	4437.3	4575.4	4713.7	4802.2	4890.6	4870.2	4849.6	4715.9	4582.3
4093.8	22.5°	4185.6	4277.3	4434.9	4592.9	4708.0	4823.1	4835.5	4847.8	4720.1	4592.4
3880.9	25°	3986.7	4092.5	4234.3	4376.2	4489.5	4602.8	4645.1	4687.2	4582.5	4478.0
3694.9	27.5°	3797.0	3899.2	4015.7	4132.1	4223.0	4313.8	4360.9	4408.1	4333.5	4259.1
3531.2	30°	3612.2	3693.6	3790.3	3887.0	3962.3	4037.8	4076.1	4114.4	4057.7	4000.8
3387.9	32.5°	3435.8	3483.8	3561.0	3638.3	3710.6	3783.0	3825.5	3868.2	3816.0	3763.6
3252.5	35°	3265.6	3279.0	3337.9	3396.6	3468.1	3539.8	3590.9	3642.0	3604.8	3567.7
3110.6	37.5°	3096.0	3081.4	3123.7	3165.9	3237.2	3308.7	3371.8	3434.9	3417.8	3400.6
2955.2	40°	2922.2	2889.1	2919.6	2950.1	3019.0	3088.0	3160.6	3233.4	3237.6	3241.6
2790.1	42.5°	2746.3	2702.5	2727.3	2752.3	2817.6	2883.1	2961.6	3040.0	3061.0	3082.0
2625.9	45°	2583.2	2540.7	2561.5	2582.7	2644.7	2706.7	2788.1	2869.4	2899.5	2929.6
2479.4	47.5°	2443.7	2407.9	2427.6	2447.1	2507.9	2568.4	2648.7	2729.0	2763.6	2798.3
2350.5	50°	2318.7	2287.2	2317.8	2348.6	2405.9	2463.0	2534.9	2606.8	2651.3	2695.8
2254.3	52.5°	2222.9	2191.8	2237.9	2283.9	2336.4	2388.8	2455.7	2522.8	2575.6	2628.3
2203.2	55°	2153.6	2104.2	2169.7	2235.0	2291.5	2348.1	2406.8	2465.4	2521.2	2577.2
2172.6	57.5°	2100.4	2028.1	2098.5	2168.9	2235.3	2301.7	2359.8	2417.9	2474.3	2530.5
2143.8	60°	2050.2	1956.4	2018.3	2079.9	2156.2	2232.4	2291.4	2350.5	2407.0	2463.6
2110.2	62.5°	1993.1	1876.2	1915.4	1954.6	2043.4	2132.5	2195.4	2258.3	2310.1	2361.9
2039.4	65°	1915.0	1790.4	1805.6	1820.5	1915.8	2011.2	2071.4	2131.6	2177.2	2222.8
1913.2	67.5°	1809.6	1706.0	1701.2	1696.5	1784.4	1872.5	1929.6	1986.5	2025.9	2065.3
1753.0	70°	1679.3	1605.6	1589.2	1572.8	1650.2	1727.5	1776.8	1826.0	1861.6	1897.1
1574.6	72.5°	1524.1	1473.6	1449.5	1425.6	1486.5	1547.3	1591.8	1636.3	1671.1	1706.0
1372.1	75°	1333.3	1294.3	1271.3	1248.1	1293.3	1338.6	1378.9	1419.2	1451.0	1482.7
1169.3	77.5°	1138.1	1106.9	1083.6	1060.2	1097.1	1133.7	1168.4	1203.0	1236.4	1269.6
938.0	80°	911.9	885.6	866.1	846.4	877.1	907.5	936.7	965.9	991.3	1016.4
689.9	82.5°	677.1	664.4	650.5	636.6	634.1	631.5	621.3	611.1	665.1	719.1
454.2	85°	440.5	426.9	411.4	395.8	382.7	369.4	341.1	312.8	363.4	414.1
200.7	87.5°	195.2	189.7	186.8	183.9	183.3	182.8	161.3	139.5	160.7	182.1
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4753.8	0°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
4400.8	2.5°	4383.5	4370.0	4356.5	4344.1	4331.5	4316.0	4331.5	4344.1	4356.5	4370.0
4140.7	5°	4116.8	4099.8	4082.9	4069.9	4057.0	4044.2	4057.0	4069.9	4082.9	4099.8
3984.7	7.5°	3956.3	3936.8	3917.4	3905.7	3894.3	3885.5	3894.3	3905.7	3917.4	3936.8
3939.9	10°	3907.8	3889.3	3870.9	3861.1	3851.2	3847.2	3851.2	3861.1	3870.9	3889.3
4020.5	12.5°	3979.4	3958.8	3938.4	3930.0	3921.6	3920.2	3921.6	3930.0	3938.4	3958.8
4190.1	15°	4127.8	4099.1	4070.7	4059.7	4048.8	4047.9	4048.8	4059.7	4070.7	4099.1
4362.3	17.5°	4270.4	4228.1	4185.6	4171.7	4157.7	4155.5	4157.7	4171.7	4185.6	4228.1
4469.6	20°	4357.1	4302.9	4248.5	4231.2	4213.9	4208.4	4213.9	4231.2	4248.5	4302.9
4476.4	22.5°	4360.2	4303.1	4245.8	4226.6	4207.5	4199.3	4207.5	4226.6	4245.8	4303.1
4374.7	25°	4271.9	4222.2	4172.8	4154.7	4136.9	4126.3	4136.9	4154.7	4172.8	4222.2
4179.0	27.5°	4098.9	4065.7	4032.3	4024.1	4015.9	4013.2	4015.9	4024.1	4032.3	4065.7
3943.5	30°	3885.9	3868.9	3851.8	3851.8	3851.8	3854.5	3851.8	3851.8	3851.8	3868.9
3717.9	32.5°	3672.1	3660.9	3649.8	3651.3	3652.9	3655.7	3652.9	3651.3	3649.8	3660.9
3525.4	35°	3483.3	3466.3	3449.5	3445.9	3442.2	3440.4	3442.2	3445.9	3449.5	3466.3
3361.8	37.5°	3322.7	3291.9	3261.3	3245.0	3228.8	3219.7	3228.8	3245.0	3261.3	3291.9
3208.5	40°	3175.5	3130.7	3086.1	3055.9	3025.9	3008.1	3025.9	3055.9	3086.1	3130.7
3054.0	42.5°	3026.3	2970.7	2915.0	2871.1	2827.1	2798.3	2827.1	2871.1	2915.0	2970.7
2904.5	45°	2879.5	2815.8	2752.3	2700.7	2649.1	2615.9	2649.1	2700.7	2752.3	2815.8
2780.8	47.5°	2763.3	2706.7	2650.2	2602.4	2554.8	2522.8	2554.8	2602.4	2650.2	2706.7
2694.7	50°	2693.9	2648.7	2603.5	2559.3	2515.2	2484.5	2515.2	2559.3	2603.5	2648.7
2637.8	52.5°	2647.2	2610.4	2573.6	2534.0	2494.6	2466.3	2494.6	2534.0	2573.6	2610.4
2590.3	55°	2603.5	2571.4	2539.3	2504.6	2469.9	2444.4	2469.9	2504.6	2539.3	2571.4
2543.8	57.5°	2557.1	2524.7	2492.2	2457.9	2423.4	2397.0	2423.4	2457.9	2492.2	2524.7
2478.1	60°	2492.7	2461.0	2429.4	2394.1	2358.7	2331.3	2358.7	2394.1	2429.4	2461.0
2376.0	62.5°	2390.0	2361.4	2332.8	2295.5	2258.3	2225.5	2258.3	2295.5	2332.8	2361.4
2237.2	65°	2251.4	2223.9	2196.3	2160.2	2124.3	2096.0	2124.3	2160.2	2196.3	2223.9
2079.4	67.5°	2093.2	2067.9	2042.7	2009.2	1975.6	1950.0	1975.6	2009.2	2042.7	2067.9
1910.6	70°	1924.1	1903.5	1882.9	1850.8	1818.7	1789.5	1818.7	1850.8	1882.9	1903.5
1722.0	72.5°	1738.1	1720.9	1703.8	1673.1	1642.7	1614.4	1642.7	1673.1	1703.8	1720.9
1499.5	75°	1516.3	1507.9	1499.5	1473.8	1448.0	1421.0	1448.0	1473.8	1499.5	1507.9
1285.3	77.5°	1301.0	1289.3	1277.3	1251.4	1225.5	1204.0	1225.5	1251.4	1277.3	1289.3
1037.2	80°	1058.0	1052.9	1048.0	1013.1	978.1	937.6	978.1	1013.1	1048.0	1052.9
754.5	82.5°	789.9	787.7	785.3	755.9	726.4	700.5	726.4	755.9	785.3	787.7
457.9	85°	501.6	498.0	494.4	471.4	448.4	425.0	448.4	471.4	494.4	498.0
199.7	87.5°	217.4	213.1	208.3	196.6	184.6	173.3	184.6	196.6	208.3	213.1
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°
4753.8	0°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
4383.5	2.5°	4400.8	4418.2	4439.7	4461.0	4488.6	4516.3	4543.8	4571.4	4602.8	4634.3
4116.8	5°	4140.7	4164.6	4198.9	4233.0	4277.5	4321.8	4370.7	4419.6	4474.9	4530.3
3956.3	7.5°	3984.7	4013.2	4053.7	4094.4	4148.5	4202.9	4264.6	4326.0	4399.0	4472.0
3907.8	10°	3939.9	3971.6	4020.3	4068.8	4129.9	4191.1	4257.5	4323.7	4396.6	4469.6
3979.4	12.5°	4020.5	4061.5	4123.6	4185.6	4248.7	4312.0	4363.8	4416.0	4464.1	4512.7
4127.8	15°	4190.1	4252.5	4340.8	4429.1	4484.0	4538.9	4552.4	4565.9	4559.4	4552.8
4270.4	17.5°	4362.3	4454.3	4571.2	4688.1	4732.3	4776.6	4734.5	4692.2	4612.6	4533.1
4357.1	20°	4469.6	4582.3	4715.9	4849.6	4870.2	4890.6	4802.2	4713.7	4575.4	4437.3
4360.2	22.5°	4476.4	4592.4	4720.1	4847.8	4835.5	4823.1	4708.0	4592.9	4434.9	4277.3
4271.9	25°	4374.7	4478.0	4582.5	4687.2	4645.1	4602.8	4489.5	4376.2	4234.3	4092.5
4098.9	27.5°	4179.0	4259.1	4333.5	4408.1	4360.9	4313.8	4223.0	4132.1	4015.7	3899.2
3885.9	30°	3943.5	4000.8	4057.7	4114.4	4076.1	4037.8	3962.3	3887.0	3790.3	3693.6
3672.1	32.5°	3717.9	3763.6	3816.0	3868.2	3825.5	3783.0	3710.6	3638.3	3561.0	3483.8
3483.3	35°	3525.4	3567.7	3604.8	3642.0	3590.9	3539.8	3468.1	3396.6	3337.9	3279.0
3322.7	37.5°	3361.8	3400.6	3417.8	3434.9	3371.8	3308.7	3237.2	3165.9	3123.7	3081.4
3175.5	40°	3208.5	3241.6	3237.6	3233.4	3160.6	3088.0	3019.0	2950.1	2919.6	2889.1
3026.3	42.5°	3054.0	3082.0	3061.0	3040.0	2961.6	2883.1	2817.6	2752.3	2727.3	2702.5
2879.5	45°	2904.5	2929.6	2899.5	2869.4	2788.1	2706.7	2644.7	2582.7	2561.5	2540.7
2763.3	47.5°	2780.8	2798.3	2763.6	2729.0	2648.7	2568.4	2507.9	2447.1	2427.6	2407.9
2693.9	50°	2694.7	2695.8	2651.3	2606.8	2534.9	2463.0	2405.9	2348.6	2317.8	2287.2
2647.2	52.5°	2637.8	2628.3	2575.6	2522.8	2455.7	2388.8	2336.4	2283.9	2237.9	2191.8
2603.5	55°	2590.3	2577.2	2521.2	2465.4	2406.8	2348.1	2291.5	2235.0	2169.7	2104.2
2557.1	57.5°	2543.8	2530.5	2474.3	2417.9	2359.8	2301.7	2235.3	2168.9	2098.5	2028.1
2492.7	60°	2478.1	2463.6	2407.0	2350.5	2291.4	2232.4	2156.2	2079.9	2018.3	1956.4
2390.0	62.5°	2376.0	2361.9	2310.1	2258.3	2195.4	2132.5	2043.4	1954.6	1915.4	1876.2
2251.4	65°	2237.2	2222.8	2177.2	2131.6	2071.4	2011.2	1915.8	1820.5	1805.6	1790.4
2093.2	67.5°	2079.4	2065.3	2025.9	1986.5	1929.6	1872.5	1784.4	1696.5	1701.2	1706.0
1924.1	70°	1910.6	1897.1	1861.6	1826.0	1776.8	1727.5	1650.2	1572.8	1589.2	1605.6
1738.1	72.5°	1722.0	1706.0	1671.1	1636.3	1591.8	1547.3	1486.5	1425.6	1449.5	1473.6
1516.3	75°	1499.5	1482.7	1451.0	1419.2	1378.9	1338.6	1293.3	1248.1	1271.3	1294.3
1301.0	77.5°	1285.3	1269.6	1236.4	1203.0	1168.4	1133.7	1097.1	1060.2	1083.6	1106.9
1058.0	80°	1037.2	1016.4	991.3	965.9	936.7	907.5	877.1	846.4	866.1	885.6
789.9	82.5°	754.5	719.1	665.1	611.1	621.3	631.5	634.1	636.6	650.5	664.4
501.6	85°	457.9	414.1	363.4	312.8	341.1	369.4	382.7	395.8	411.4	426.9
217.4	87.5°	199.7	182.1	160.7	139.5	161.3	182.8	183.3	183.9	186.8	189.7
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4753.8	0°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
4669.2	2.5°	4704.2	4747.4	4786.3	4826.4	4866.5	4908.5	4950.5	4992.0	5033.8	5073.0
4596.6	5°	4662.6	4738.3	4814.9	4896.1	4977.3	5064.1	5151.1	5237.4	5323.9	5410.5
4559.7	7.5°	4647.6	4745.6	4850.1	4963.4	5076.7	5205.3	5333.9	5466.0	5598.0	5740.9
4562.3	10°	4654.9	4760.2	4889.2	5023.4	5157.3	5313.7	5469.8	5644.2	5818.8	5999.5
4588.2	12.5°	4664.1	4762.0	4897.6	5049.1	5200.7	5385.0	5569.2	5767.0	5964.7	6163.2
4588.9	15°	4625.2	4703.6	4853.8	5029.3	5204.7	5416.9	5629.1	5843.6	6058.1	6265.1
4520.0	17.5°	4506.6	4555.0	4731.6	4942.6	5153.7	5399.9	5646.2	5880.2	6114.3	6324.2
4375.3	20°	4313.3	4326.0	4531.6	4793.2	5054.8	5353.2	5651.7	5908.9	6166.1	6384.4
4185.6	22.5°	4093.8	4068.8	4302.9	4617.9	4932.9	5296.0	5659.0	5947.6	6236.0	6459.1
3986.7	25°	3880.9	3813.4	4053.3	4422.2	4791.2	5239.4	5687.8	6017.6	6347.2	6565.6
3797.0	27.5°	3694.9	3612.8	3831.1	4243.2	4655.3	5201.6	5748.0	6127.1	6505.9	6714.4
3612.2	30°	3531.2	3466.9	3650.2	4093.6	4537.1	5184.0	5830.4	6268.8	6707.1	6908.3
3435.8	32.5°	3387.9	3359.2	3507.0	3964.7	4422.2	5162.1	5901.6	6416.7	6931.9	7131.1
3265.6	35°	3252.5	3264.4	3387.5	3837.9	4288.3	5120.8	5953.8	6585.3	7216.8	7407.8
3096.0	37.5°	3110.6	3154.0	3261.6	3688.7	4115.7	5050.2	5984.8	6774.1	7563.4	7806.8
2922.2	40°	2955.2	3021.8	3119.3	3510.6	3901.9	4953.0	6004.3	7013.8	8023.1	8377.7
2746.3	42.5°	2790.1	2874.0	2963.9	3314.2	3664.4	4852.7	6041.3	7327.4	8613.4	9125.3
2583.2	45°	2625.9	2707.1	2798.3	3105.5	3412.7	4759.5	6106.4	7740.0	9373.5	10064.0
2443.7	47.5°	2479.4	2549.3	2666.9	2940.4	3213.8	4682.5	6151.1	8179.6	10208.1	11180.0
2318.7	50°	2350.5	2431.6	2586.3	2830.8	3075.2	4598.6	6121.9	8587.5	11053.1	12518.2
2222.9	52.5°	2254.3	2367.8	2545.6	2758.5	2971.6	4456.8	5942.3	8852.4	11762.3	13924.0
2153.6	55°	2203.2	2374.2	2539.6	2706.2	2872.7	4221.9	5571.0	8794.0	12016.8	15170.2
2100.4	57.5°	2172.6	2380.6	2526.5	2644.1	2761.8	3890.6	5019.2	8383.2	11747.3	16053.5
2050.2	60°	2143.8	2360.5	2456.8	2549.3	2641.8	3460.5	4279.2	7618.7	10958.2	16274.2
1993.1	62.5°	2110.2	2311.2	2323.1	2384.4	2445.9	2945.7	3445.5	6584.9	9724.3	15344.8
1915.0	65°	2039.4	2192.7	2191.2	2220.2	2249.2	2482.5	2715.8	5530.2	8344.7	14029.8
1809.6	67.5°	1913.2	1999.3	2003.3	1987.3	1971.0	2037.4	2103.6	4497.0	6890.3	12464.8
1679.3	70°	1753.0	1781.3	1781.3	1706.3	1631.2	1612.4	1593.4	3540.7	5488.0	10757.2
1524.1	72.5°	1574.6	1574.3	1556.4	1450.0	1343.5	1286.2	1229.1	2706.9	4184.7	8906.0
1333.3	75°	1372.1	1379.1	1296.6	1177.3	1058.0	1006.2	954.4	1964.6	2974.9	6783.9
1138.1	77.5°	1169.3	1172.9	1037.0	921.2	805.4	770.0	734.8	1331.3	1927.8	4748.2
911.9	80°	938.0	938.5	776.2	678.2	580.1	565.5	550.9	857.7	1164.7	3059.1
677.1	82.5°	689.9	682.2	543.6	471.4	399.1	396.2	393.7	527.6	661.8	1770.5
440.5	85°	454.2	444.2	341.1	288.2	235.3	236.8	238.1	282.0	326.2	796.4
195.2	87.5°	200.7	187.9	145.0	123.3	101.8	103.1	104.3	116.9	129.5	260.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4753.8	0°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
5112.3	2.5°	5131.6	5151.1	5178.7	5206.2	5222.6	5239.0	5247.3	5255.5	5251.8	5255.5
5497.2	5°	5564.8	5632.7	5699.8	5767.1	5803.6	5840.1	5862.2	5884.4	5901.2	5884.4
5883.9	7.5°	5994.1	6104.1	6203.1	6302.2	6361.8	6421.5	6453.8	6485.9	6501.4	6485.9
6180.3	10°	6310.6	6440.8	6557.0	6673.2	6743.6	6813.7	6845.0	6876.2	6888.1	6876.2
6361.8	12.5°	6503.0	6644.0	6749.1	6853.8	6904.9	6956.0	6973.1	6990.3	6992.1	6990.3
6472.2	15°	6594.0	6715.7	6781.6	6847.6	6849.4	6851.3	6833.0	6814.8	6793.2	6814.8
6534.2	17.5°	6616.5	6698.7	6700.0	6701.1	6627.2	6553.4	6485.7	6417.8	6370.0	6417.8
6602.6	20°	6631.3	6660.1	6573.4	6486.8	6323.7	6160.6	6041.9	5923.1	5850.1	5923.1
6682.0	22.5°	6644.4	6606.8	6427.3	6247.8	6007.9	5768.1	5619.6	5471.1	5390.4	5471.1
6784.1	25°	6665.5	6547.0	6274.4	6001.9	5710.6	5419.3	5263.1	5107.3	5031.1	5107.3
6922.8	27.5°	6710.8	6498.6	6137.6	5776.8	5453.9	5131.1	4977.5	4824.0	4752.0	4824.0
7109.7	30°	6793.6	6477.7	6033.3	5588.9	5252.5	4916.2	4773.7	4631.2	4564.1	4631.2
7330.5	32.5°	6897.6	6464.9	5962.1	5459.4	5143.3	4827.1	4715.3	4603.3	4555.0	4603.3
7598.6	35°	7068.9	6539.3	6015.4	5491.7	5272.1	5052.6	5026.5	5000.4	4996.4	5000.4
8050.1	37.5°	7427.0	6803.8	6327.7	5851.6	5837.4	5823.1	5942.4	6061.7	6123.8	6061.7
8732.3	40°	8054.7	7377.0	7022.9	6668.8	6918.7	7168.7	7458.7	7748.7	7893.2	7748.7
9637.1	42.5°	8964.7	8292.4	8088.4	7884.5	8429.5	8974.6	9502.1	10029.7	10339.4	10029.7
10754.4	45°	10150.5	9546.3	9456.4	9366.2	10239.5	11112.9	11979.7	12846.8	13373.1	12846.8
12151.8	47.5°	11564.2	10976.4	10958.2	10940.0	12199.7	13459.2	14728.2	15997.1	16742.3	15997.1
13983.2	50°	13257.4	12531.7	12534.8	12537.9	14161.5	15785.0	17460.1	19135.3	20148.1	19135.3
16085.6	52.5°	15206.7	14328.0	14239.2	14150.2	16089.4	18028.7	20101.4	22173.8	23387.8	22173.8
18323.9	55°	17455.6	16587.3	16240.8	15894.4	18052.8	20211.0	22681.8	25152.7	26596.5	25152.7
20359.7	57.5°	19886.8	19413.8	18719.0	18024.3	20203.7	22383.0	25181.7	27980.2	29770.6	27980.2
21590.1	60°	22324.5	23059.1	22196.2	21333.4	23395.8	25458.2	28454.6	31451.0	33386.1	31451.0
20965.3	62.5°	22972.1	24978.8	24881.6	24784.2	26673.5	28563.0	31413.8	34264.5	36053.1	34264.5
19714.8	65°	21598.3	23481.7	23854.4	24226.9	26627.9	29029.1	31793.4	34557.6	36080.4	34557.6
18039.3	67.5°	19830.6	21622.0	21796.7	21971.3	24473.0	26974.5	29750.7	32526.9	33719.9	32526.9
16026.3	70°	17974.7	19923.3	20001.4	20079.6	22316.8	24553.8	26942.9	29331.9	29995.0	29331.9
13627.5	72.5°	15863.4	18099.5	18155.7	18211.7	19962.0	21712.3	23501.6	25290.8	25357.9	25290.8
10593.0	75°	12907.2	15221.3	15429.1	15636.9	16998.6	18360.4	19620.0	20879.6	20542.1	20879.6
7568.5	77.5°	9728.7	11889.1	12186.4	12483.8	13519.0	14554.2	15447.5	16341.0	15760.9	16341.0
4953.6	80°	6771.0	8588.2	8957.8	9327.4	10109.2	10890.7	11359.9	11828.9	10895.8	11828.9
2879.5	82.5°	4121.9	5364.5	5777.4	6190.4	6728.5	7266.6	7462.4	7657.9	6924.6	7657.9
1266.9	85°	1926.3	2585.8	2936.9	3288.1	3730.3	4172.3	4283.4	4394.4	3807.1	4394.4
392.2	87.5°	613.8	835.5	1031.4	1227.3	1448.4	1669.5	1679.0	1688.3	1417.4	1688.3
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):

325°		330°	335°	340°	345°	350°	355°	360°
4753.8	0°	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8	4753.8
5247.3	2.5°	5239.0	5222.6	5206.2	5178.7	5151.1	5131.6	5112.3
5862.2	5°	5840.1	5803.6	5767.1	5699.8	5632.7	5564.8	5497.2
6453.8	7.5°	6421.5	6361.8	6302.2	6203.1	6104.1	5994.1	5883.9
6845.0	10°	6813.7	6743.6	6673.2	6557.0	6440.8	6310.6	6180.3
6973.1	12.5°	6956.0	6904.9	6853.8	6749.1	6644.0	6503.0	6361.8
6833.0	15°	6851.3	6849.4	6847.6	6781.6	6715.7	6594.0	6472.2
6485.7	17.5°	6553.4	6627.2	6701.1	6700.0	6698.7	6616.5	6534.2
6041.9	20°	6160.6	6323.7	6486.8	6573.4	6660.1	6631.3	6602.6
5619.6	22.5°	5768.1	6007.9	6247.8	6427.3	6606.8	6644.4	6682.0
5263.1	25°	5419.3	5710.6	6001.9	6274.4	6547.0	6665.5	6784.1
4977.5	27.5°	5131.1	5453.9	5776.8	6137.6	6498.6	6710.8	6922.8
4773.7	30°	4916.2	5252.5	5588.9	6033.3	6477.7	6793.6	7109.7
4715.3	32.5°	4827.1	5143.3	5459.4	5962.1	6464.9	6897.6	7330.5
5026.5	35°	5052.6	5272.1	5491.7	6015.4	6539.3	7068.9	7598.6
5942.4	37.5°	5823.1	5837.4	5851.6	6327.7	6803.8	7427.0	8050.1
7458.7	40°	7168.7	6918.7	6668.8	7022.9	7377.0	8054.7	8732.3
9502.1	42.5°	8974.6	8429.5	7884.5	8088.4	8292.4	8964.7	9637.1
11979.7	45°	11112.9	10239.5	9366.2	9456.4	9546.3	10150.5	10754.4
14728.2	47.5°	13459.2	12199.7	10940.0	10958.2	10976.4	11564.2	12151.8
17460.1	50°	15785.0	14161.5	12537.9	12534.8	12531.7	13257.4	13983.2
20101.4	52.5°	18028.7	16089.4	14150.2	14239.2	14328.0	15206.7	16085.6
22681.8	55°	20211.0	18052.8	15894.4	16240.8	16587.3	17455.6	18323.9
25181.7	57.5°	22383.0	20203.7	18024.3	18719.0	19413.8	19886.8	20359.7
28454.6	60°	25458.2	23395.8	21333.4	22196.2	23059.1	22324.5	21590.1
31413.8	62.5°	28563.0	26673.5	24784.2	24881.6	24978.8	22972.1	20965.3
31793.4	65°	29029.1	26627.9	24226.9	23854.4	23481.7	21598.3	19714.8
29750.7	67.5°	26974.5	24473.0	21971.3	21796.7	21622.0	19830.6	18039.3
26942.9	70°	24553.8	22316.8	20079.6	20001.4	19923.3	17974.7	16026.3
23501.6	72.5°	21712.3	19962.0	18211.7	18155.7	18099.5	15863.4	13627.5
19620.0	75°	18360.4	16998.6	15636.9	15429.1	15221.3	12907.2	10593.0
15447.5	77.5°	14554.2	13519.0	12483.8	12186.4	11889.1	9728.7	7568.5
11359.9	80°	10890.7	10109.2	9327.4	8957.8	8588.2	6771.0	4953.6
7462.4	82.5°	7266.6	6728.5	6190.4	5777.4	5364.5	4121.9	2879.5
4283.4	85°	4172.3	3730.3	3288.1	2936.9	2585.8	1926.3	1266.9
1679.0	87.5°	1669.5	1448.4	1227.3	1031.4	835.5	613.8	392.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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