

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: P951940

Luminaire Tested: **GALN-SB5D-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951940
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-SB5D-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37116 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

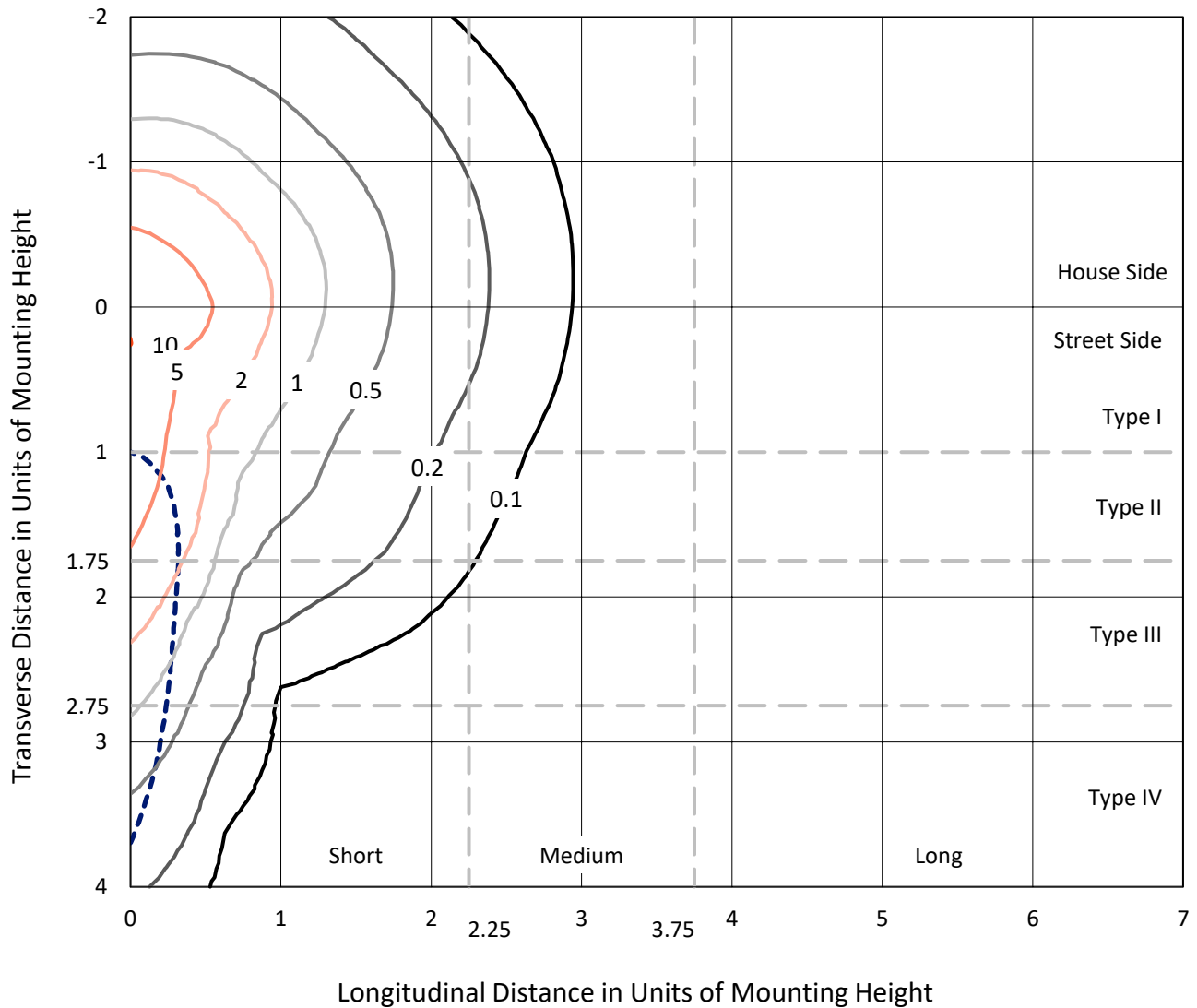
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

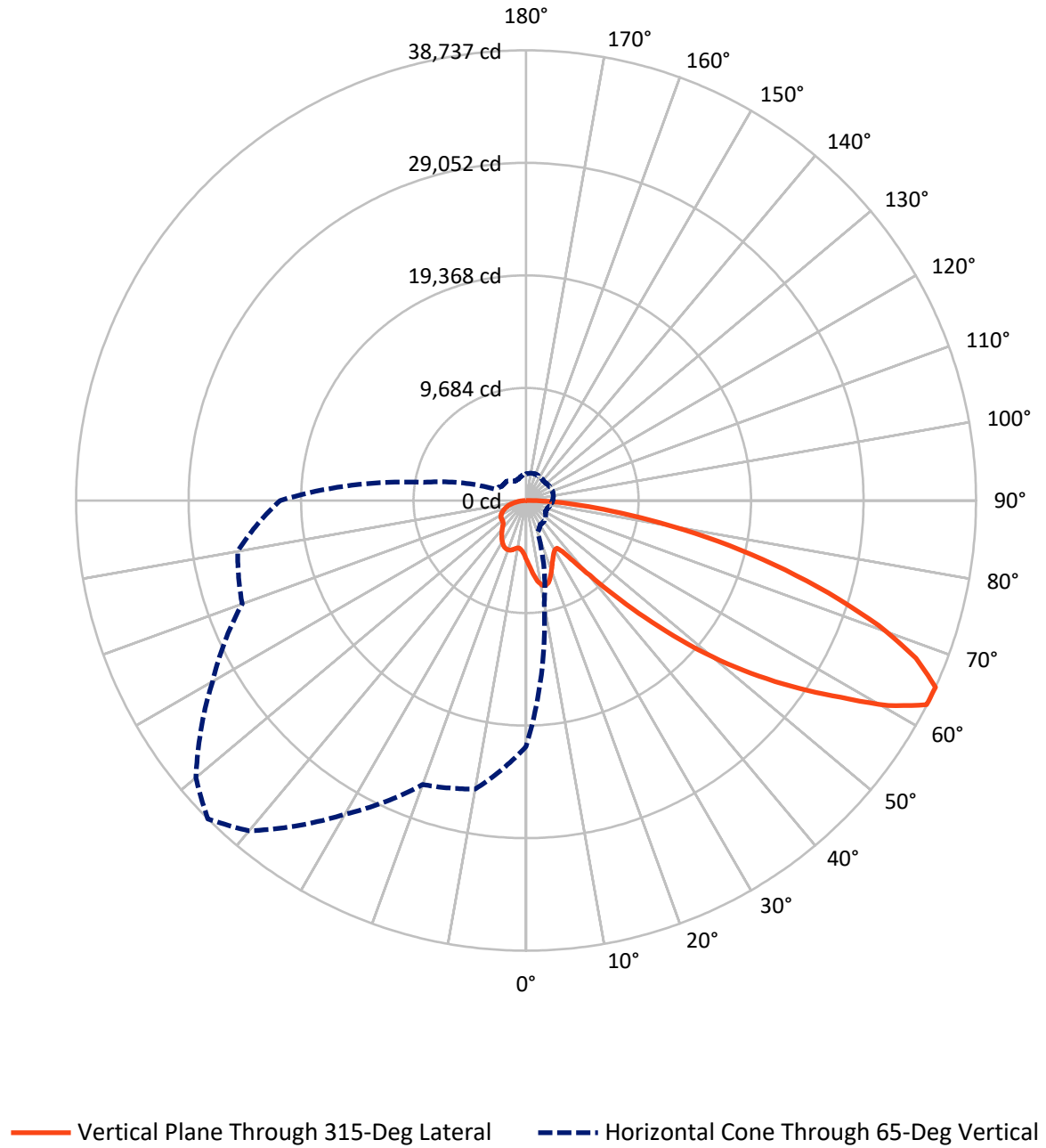
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	9433.0	0.0	9433.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	27683.0	0.0	27683.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	37116.0	0.0	37116.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	506.3	1.4
10°-20°	1589.4	4.3
20°-30°	2455.0	6.6
30°-40°	3111.1	8.4
40°-50°	4692.3	12.6
50°-60°	7581.1	20.4
60°-70°	9451.1	25.5
70°-80°	6197.6	16.7
80°-90°	1532.2	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°	37116.0	100.0
0°-180°	37116.0	100.0



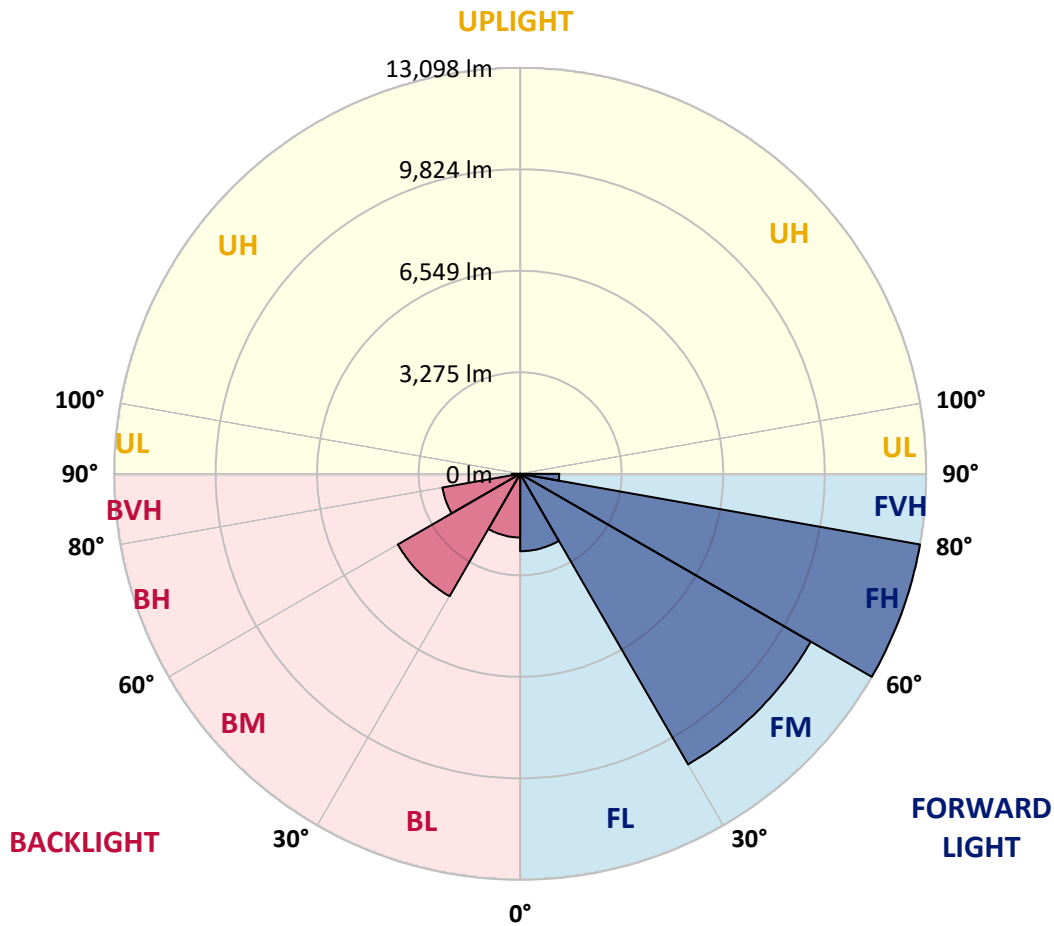
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2496.5	6.7			
FM (30°-60°)	10825.9	29.2			
FH (60°-80°)	13098.4	35.3			G5
FVH (80°-90°)	1262.2	3.4			G5
BL (0°-30°)	2054.2	5.5	B3/2500		
BM (30°-60°)	4558.6	12.3	B3/5000		
BH (60°-80°)	2550.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	270.0	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
2.5°	5488.6	5446.5	5404.4	5359.5	5314.9	5269.8	5224.8	5181.7	5138.6	5096.9
5°	5901.8	5808.8	5715.8	5623.0	5530.3	5436.9	5343.7	5256.5	5169.4	5087.1
7.5°	6317.0	6163.5	6010.1	5868.4	5726.6	5588.5	5450.4	5328.8	5207.2	5095.0
10°	6635.3	6441.2	6247.1	6059.7	5872.5	5704.8	5537.0	5393.2	5249.1	5110.6
12.5°	6830.2	6616.9	6403.8	6191.5	5979.2	5781.4	5583.6	5420.8	5258.1	5112.6
15°	6948.6	6726.4	6504.1	6273.8	6043.4	5815.7	5587.9	5399.5	5211.1	5049.9
17.5°	7015.2	6789.8	6564.4	6313.1	6061.9	5797.5	5533.1	5306.5	5079.9	4890.3
20°	7088.7	6854.4	6620.0	6343.9	6067.7	5747.3	5426.9	5146.1	4865.2	4644.5
22.5°	7173.9	6934.5	6695.0	6385.4	6075.6	5685.8	5296.1	4957.9	4619.6	4368.4
25°	7283.5	7048.9	6814.5	6460.6	6106.5	5625.1	5143.9	4747.7	4351.7	4094.2
27.5°	7432.4	7208.7	6984.9	6578.1	6171.1	5584.6	4998.0	4555.6	4113.2	3878.7
30°	7633.1	7416.9	7200.9	6730.3	6259.7	5565.6	4871.1	4395.0	3918.9	3722.1
32.5°	7870.1	7656.0	7442.2	6889.1	6336.0	5542.1	4747.7	4256.5	3765.2	3606.5
35°	8158.0	7953.1	7748.1	7070.1	6392.1	5497.8	4604.0	4120.4	3636.9	3504.7
37.5°	8642.7	8381.5	8120.2	7272.8	6425.3	5422.0	4418.7	3960.2	3501.7	3386.2
40°	9375.2	8994.5	8613.7	7530.1	6446.3	5317.6	4189.2	3769.1	3349.0	3244.2
42.5°	10346.6	9797.0	9247.5	7866.8	6486.1	5209.9	3934.2	3558.1	3182.1	3085.6
45°	11546.2	10804.9	10063.6	8309.8	6556.0	5109.8	3663.9	3334.1	3004.3	2906.4
47.5°	13046.3	12003.1	10959.6	8781.8	6604.0	5027.2	3450.4	3156.9	2863.3	2737.0
50°	15012.6	13439.8	11866.8	9219.7	6572.6	4937.1	3301.6	3039.2	2776.7	2610.6
52.5°	17269.8	14949.0	12628.2	9504.1	6379.7	4784.9	3190.3	2961.6	2733.0	2542.1
55°	19672.8	16287.0	12901.4	9441.4	5981.2	4532.7	3084.2	2905.4	2726.6	2548.9
57.5°	21858.5	17235.3	12612.1	9000.3	5388.7	4177.0	2965.1	2838.8	2712.5	2555.8
60°	23179.5	17472.3	11764.9	8179.5	4594.2	3715.2	2836.3	2737.0	2637.7	2534.3
62.5°	22508.7	16474.4	10440.2	7069.7	3699.2	3162.5	2625.9	2559.9	2494.1	2481.4
65°	21166.2	15062.6	8959.0	5937.3	2915.8	2665.3	2414.8	2383.7	2352.5	2354.1
67.5°	19367.3	13382.4	7397.5	4828.0	2258.5	2187.4	2116.1	2133.6	2150.8	2146.5
70°	17206.1	11549.1	5892.1	3801.4	1710.7	1731.1	1751.3	1832.0	1912.4	1912.4
72.5°	14630.7	9561.6	4492.7	2906.2	1319.6	1380.9	1442.4	1556.8	1671.0	1690.2
75°	11372.8	7283.3	3193.9	2109.3	1024.7	1080.3	1135.9	1264.0	1392.1	1480.6
77.5°	8125.7	5097.7	2069.7	1429.3	788.9	826.7	864.7	989.0	1113.4	1259.3
80°	5318.2	3284.4	1250.5	920.9	591.5	607.1	622.8	728.2	833.3	1007.6
82.5°	3091.4	1900.9	710.5	566.4	422.6	425.4	428.5	506.1	583.6	732.5
85°	1360.2	855.1	350.2	302.8	255.6	254.2	252.6	309.4	366.2	476.9
87.5°	421.1	280.1	139.1	125.5	112.0	110.7	109.3	132.4	155.7	201.7
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°
5103.8	0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
5050.5	2.5°	5012.9	4975.5	4941.6	4907.9	4878.3	4848.8	4819.0	4789.4	4766.5	4743.4
5005.8	5°	4934.9	4863.9	4804.3	4745.0	4692.5	4640.0	4592.4	4544.6	4508.0	4471.2
4989.8	7.5°	4895.4	4801.2	4722.8	4644.5	4578.5	4512.3	4453.9	4395.8	4352.1	4308.6
4997.6	10°	4898.1	4798.6	4720.3	4642.0	4570.9	4499.6	4434.0	4368.4	4316.3	4264.0
5007.4	12.5°	4925.9	4844.9	4792.8	4741.1	4685.0	4629.4	4561.5	4493.7	4427.1	4360.5
4965.7	15°	4926.7	4887.9	4895.0	4902.0	4887.6	4873.1	4814.1	4755.2	4660.4	4565.6
4838.4	17.5°	4852.7	4866.8	4952.2	5037.6	5083.0	5128.3	5080.7	5033.3	4907.7	4782.2
4630.8	20°	4697.4	4764.0	4912.2	5060.7	5155.7	5250.7	5228.7	5206.6	5063.0	4919.7
4395.2	22.5°	4493.7	4592.2	4761.4	4931.0	5054.6	5178.2	5191.5	5204.6	5067.5	4930.4
4166.6	25°	4280.2	4393.8	4546.0	4698.4	4820.0	4941.6	4987.0	5032.3	4919.9	4807.6
3966.9	27.5°	4076.6	4186.2	4311.4	4436.3	4533.9	4631.4	4681.9	4732.6	4652.5	4572.6
3791.2	30°	3878.2	3965.5	4069.3	4173.1	4254.0	4335.1	4376.2	4417.3	4356.4	4295.3
3637.3	32.5°	3688.8	3740.3	3823.1	3906.2	3983.7	4061.5	4107.1	4152.9	4096.9	4040.7
3491.9	35°	3506.1	3520.3	3583.6	3646.7	3723.4	3800.4	3855.2	3910.1	3870.1	3830.4
3339.6	37.5°	3323.9	3308.2	3353.7	3398.9	3475.5	3552.3	3620.0	3687.8	3669.4	3651.0
3172.7	40°	3137.3	3101.8	3134.5	3167.2	3241.3	3315.3	3393.2	3471.4	3475.9	3480.2
2995.5	42.5°	2948.5	2901.5	2928.1	2954.9	3025.1	3095.4	3179.6	3263.8	3286.3	3308.8
2819.2	45°	2773.4	2727.8	2750.1	2772.8	2839.4	2906.0	2993.3	3080.7	3113.0	3145.3
2662.0	47.5°	2623.6	2585.2	2606.3	2627.3	2692.5	2757.5	2843.7	2929.9	2967.1	3004.3
2523.5	50°	2489.4	2455.5	2488.4	2521.5	2583.0	2644.3	2721.5	2798.7	2846.4	2894.2
2420.3	52.5°	2386.6	2353.1	2402.6	2452.0	2508.4	2564.6	2636.5	2708.6	2765.2	2821.8
2365.4	55°	2312.2	2259.1	2329.4	2399.5	2460.2	2520.9	2584.0	2646.9	2706.8	2766.9
2332.5	57.5°	2255.0	2177.4	2253.0	2328.6	2399.9	2471.2	2533.5	2596.0	2656.5	2716.8
2301.6	60°	2201.1	2100.5	2166.8	2233.0	2314.9	2396.8	2460.0	2523.5	2584.2	2644.9
2265.6	62.5°	2139.8	2014.3	2056.4	2098.5	2193.9	2289.5	2357.0	2424.6	2480.2	2535.8
2189.6	65°	2056.0	1922.2	1938.5	1954.6	2056.8	2159.2	2223.8	2288.5	2337.4	2386.4
2054.0	67.5°	1942.8	1831.6	1826.5	1821.4	1915.8	2010.4	2071.7	2132.8	2175.1	2217.4
1882.1	70°	1803.0	1723.8	1706.2	1688.6	1771.6	1854.7	1907.5	1960.4	1998.6	2036.8
1690.6	72.5°	1636.3	1582.1	1556.2	1530.5	1596.0	1661.2	1709.0	1756.7	1794.2	1831.6
1473.2	75°	1431.4	1389.5	1364.9	1340.0	1388.6	1437.1	1480.4	1523.7	1557.8	1591.8
1255.4	77.5°	1221.9	1188.4	1163.3	1138.3	1177.8	1217.2	1254.4	1291.6	1327.5	1363.1
1007.0	80°	979.0	950.8	929.9	908.7	941.6	974.3	1005.7	1037.0	1064.2	1091.3
740.7	82.5°	727.0	713.3	698.4	683.5	680.8	678.0	667.1	656.1	714.1	772.0
487.7	85°	473.0	458.3	441.6	425.0	410.9	396.6	366.2	335.9	390.1	444.6
215.4	87.5°	209.6	203.7	200.5	197.4	196.8	196.2	173.1	149.8	172.5	195.5
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5103.8	0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
4724.8	2.5°	4706.2	4691.7	4677.2	4663.9	4650.4	4633.7	4650.4	4663.9	4677.2	4691.7
4445.5	5°	4419.9	4401.7	4383.4	4369.5	4355.6	4341.9	4355.6	4369.5	4383.4	4401.7
4278.1	7.5°	4247.5	4226.6	4205.8	4193.3	4180.9	4171.5	4180.9	4193.3	4205.8	4226.6
4229.9	10°	4195.4	4175.7	4155.9	4145.3	4134.7	4130.4	4134.7	4145.3	4155.9	4175.7
4316.5	12.5°	4272.4	4250.3	4228.3	4219.3	4210.3	4208.7	4210.3	4219.3	4228.3	4250.3
4498.6	15°	4431.6	4400.9	4370.3	4358.6	4346.8	4345.8	4346.8	4358.6	4370.3	4400.9
4683.5	17.5°	4584.8	4539.3	4493.7	4478.8	4463.7	4461.4	4463.7	4478.8	4493.7	4539.3
4798.6	20°	4677.8	4619.6	4561.3	4542.7	4524.1	4518.2	4524.1	4542.7	4561.3	4619.6
4805.9	22.5°	4681.1	4619.8	4558.3	4537.8	4517.2	4508.4	4517.2	4537.8	4558.3	4619.8
4696.8	25°	4586.3	4533.1	4480.0	4460.6	4441.4	4430.1	4441.4	4460.6	4480.0	4533.1
4486.7	27.5°	4400.7	4365.0	4329.2	4320.4	4311.6	4308.6	4311.6	4320.4	4329.2	4365.0
4233.8	30°	4171.9	4153.7	4135.3	4135.3	4135.3	4138.2	4135.3	4135.3	4135.3	4153.7
3991.6	32.5°	3942.4	3930.5	3918.5	3920.1	3921.8	3924.8	3921.8	3920.1	3918.5	3930.5
3784.9	35°	3739.7	3721.5	3703.5	3699.5	3695.6	3693.7	3695.6	3699.5	3703.5	3721.5
3609.3	37.5°	3567.4	3534.3	3501.4	3483.9	3466.5	3456.7	3466.5	3483.9	3501.4	3534.3
3444.8	40°	3409.3	3361.1	3313.3	3280.8	3248.7	3229.5	3248.7	3280.8	3313.3	3361.1
3278.9	42.5°	3249.1	3189.4	3129.6	3082.4	3035.2	3004.3	3035.2	3082.4	3129.6	3189.4
3118.3	45°	3091.4	3023.1	2954.9	2899.5	2844.1	2808.4	2844.1	2899.5	2954.9	3023.1
2985.5	47.5°	2966.7	2906.0	2845.3	2794.0	2742.8	2708.6	2742.8	2794.0	2845.3	2906.0
2893.1	50°	2892.3	2843.7	2795.1	2747.7	2700.3	2667.4	2700.3	2747.7	2795.1	2843.7
2831.9	52.5°	2842.1	2802.6	2763.0	2720.5	2678.2	2647.8	2678.2	2720.5	2763.0	2802.6
2781.0	55°	2795.1	2760.7	2726.2	2689.0	2651.8	2624.3	2651.8	2689.0	2726.2	2760.7
2731.1	57.5°	2745.4	2710.5	2675.7	2638.8	2601.8	2573.4	2601.8	2638.8	2675.7	2710.5
2660.6	60°	2676.2	2642.2	2608.3	2570.3	2532.3	2502.9	2532.3	2570.3	2608.3	2642.2
2550.9	62.5°	2566.0	2535.2	2504.5	2464.5	2424.6	2389.3	2424.6	2464.5	2504.5	2535.2
2401.9	65°	2417.1	2387.6	2358.0	2319.2	2280.6	2250.3	2280.6	2319.2	2358.0	2387.6
2232.5	67.5°	2247.3	2220.1	2193.1	2157.1	2121.0	2093.6	2121.0	2157.1	2193.1	2220.1
2051.3	70°	2065.8	2043.7	2021.5	1987.1	1952.6	1921.3	1952.6	1987.1	2021.5	2043.7
1848.8	72.5°	1866.0	1847.6	1829.2	1796.3	1763.6	1733.2	1763.6	1796.3	1829.2	1847.6
1609.9	75°	1627.9	1618.9	1609.9	1582.2	1554.6	1525.6	1554.6	1582.2	1609.9	1618.9
1379.9	77.5°	1396.8	1384.2	1371.3	1343.5	1315.7	1292.6	1315.7	1343.5	1371.3	1384.2
1113.6	80°	1135.9	1130.4	1125.1	1087.7	1050.1	1006.7	1050.1	1087.7	1125.1	1130.4
810.0	82.5°	848.0	845.7	843.1	811.6	779.9	752.1	779.9	811.6	843.1	845.7
491.6	85°	538.6	534.7	530.7	506.1	481.4	456.3	481.4	506.1	530.7	534.7
214.5	87.5°	233.4	228.7	223.7	211.1	198.2	186.1	198.2	211.1	223.7	228.7
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°
5103.8	0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
4706.2	2.5°	4724.8	4743.4	4766.5	4789.4	4819.0	4848.8	4878.3	4907.9	4941.6	4975.5
4419.9	5°	4445.5	4471.2	4508.0	4544.6	4592.4	4640.0	4692.5	4745.0	4804.3	4863.9
4247.5	7.5°	4278.1	4308.6	4352.1	4395.8	4453.9	4512.3	4578.5	4644.5	4722.8	4801.2
4195.4	10°	4229.9	4264.0	4316.3	4368.4	4434.0	4499.6	4570.9	4642.0	4720.3	4798.6
4272.4	12.5°	4316.5	4360.5	4427.1	4493.7	4561.5	4629.4	4685.0	4741.1	4792.8	4844.9
4431.6	15°	4498.6	4565.6	4660.4	4755.2	4814.1	4873.1	4887.6	4902.0	4895.0	4887.9
4584.8	17.5°	4683.5	4782.2	4907.7	5033.3	5080.7	5128.3	5083.0	5037.6	4952.2	4866.8
4677.8	20°	4798.6	4919.7	5063.0	5206.6	5228.7	5250.7	5155.7	5060.7	4912.2	4764.0
4681.1	22.5°	4805.9	4930.4	5067.5	5204.6	5191.5	5178.2	5054.6	4931.0	4761.4	4592.2
4586.3	25°	4696.8	4807.6	4919.9	5032.3	4987.0	4941.6	4820.0	4698.4	4546.0	4393.8
4400.7	27.5°	4486.7	4572.6	4652.5	4732.6	4681.9	4631.4	4533.9	4436.3	4311.4	4186.2
4171.9	30°	4233.8	4295.3	4356.4	4417.3	4376.2	4335.1	4254.0	4173.1	4069.3	3965.5
3942.4	32.5°	3991.6	4040.7	4096.9	4152.9	4107.1	4061.5	3983.7	3906.2	3823.1	3740.3
3739.7	35°	3784.9	3830.4	3870.1	3910.1	3855.2	3800.4	3723.4	3646.7	3583.6	3520.3
3567.4	37.5°	3609.3	3651.0	3669.4	3687.8	3620.0	3552.3	3475.5	3398.9	3353.7	3308.2
3409.3	40°	3444.8	3480.2	3475.9	3471.4	3393.2	3315.3	3241.3	3167.2	3134.5	3101.8
3249.1	42.5°	3278.9	3308.8	3286.3	3263.8	3179.6	3095.4	3025.1	2954.9	2928.1	2901.5
3091.4	45°	3118.3	3145.3	3113.0	3080.7	2993.3	2906.0	2839.4	2772.8	2750.1	2727.8
2966.7	47.5°	2985.5	3004.3	2967.1	2929.9	2843.7	2757.5	2692.5	2627.3	2606.3	2585.2
2892.3	50°	2893.1	2894.2	2846.4	2798.7	2721.5	2644.3	2583.0	2521.5	2488.4	2455.5
2842.1	52.5°	2831.9	2821.8	2765.2	2708.6	2636.5	2564.6	2508.4	2452.0	2402.6	2353.1
2795.1	55°	2781.0	2766.9	2706.8	2646.9	2584.0	2520.9	2460.2	2399.5	2329.4	2259.1
2745.4	57.5°	2731.1	2716.8	2656.5	2596.0	2533.5	2471.2	2399.9	2328.6	2253.0	2177.4
2676.2	60°	2660.6	2644.9	2584.2	2523.5	2460.0	2396.8	2314.9	2233.0	2166.8	2100.5
2566.0	62.5°	2550.9	2535.8	2480.2	2424.6	2357.0	2289.5	2193.9	2098.5	2056.4	2014.3
2417.1	65°	2401.9	2386.4	2337.4	2288.5	2223.8	2159.2	2056.8	1954.6	1938.5	1922.2
2247.3	67.5°	2232.5	2217.4	2175.1	2132.8	2071.7	2010.4	1915.8	1821.4	1826.5	1831.6
2065.8	70°	2051.3	2036.8	1998.6	1960.4	1907.5	1854.7	1771.6	1688.6	1706.2	1723.8
1866.0	72.5°	1848.8	1831.6	1794.2	1756.7	1709.0	1661.2	1596.0	1530.5	1556.2	1582.1
1627.9	75°	1609.9	1591.8	1557.8	1523.7	1480.4	1437.1	1388.6	1340.0	1364.9	1389.5
1396.8	77.5°	1379.9	1363.1	1327.5	1291.6	1254.4	1217.2	1177.8	1138.3	1163.3	1188.4
1135.9	80°	1113.6	1091.3	1064.2	1037.0	1005.7	974.3	941.6	908.7	929.9	950.8
848.0	82.5°	810.0	772.0	714.1	656.1	667.1	678.0	680.8	683.5	698.4	713.3
538.6	85°	491.6	444.6	390.1	335.9	366.2	396.6	410.9	425.0	441.6	458.3
233.4	87.5°	214.5	195.5	172.5	149.8	173.1	196.2	196.8	197.4	200.5	203.7
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°
5103.8	0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
5012.9	2.5°	5050.5	5096.9	5138.6	5181.7	5224.8	5269.8	5314.9	5359.5	5404.4	5446.5
4934.9	5°	5005.8	5087.1	5169.4	5256.5	5343.7	5436.9	5530.3	5623.0	5715.8	5808.8
4895.4	7.5°	4989.8	5095.0	5207.2	5328.8	5450.4	5588.5	5726.6	5868.4	6010.1	6163.5
4898.1	10°	4997.6	5110.6	5249.1	5393.2	5537.0	5704.8	5872.5	6059.7	6247.1	6441.2
4925.9	12.5°	5007.4	5112.6	5258.1	5420.8	5583.6	5781.4	5979.2	6191.5	6403.8	6616.9
4926.7	15°	4965.7	5049.9	5211.1	5399.5	5587.9	5815.7	6043.4	6273.8	6504.1	6726.4
4852.7	17.5°	4838.4	4890.3	5079.9	5306.5	5533.1	5797.5	6061.9	6313.1	6564.4	6789.8
4697.4	20°	4630.8	4644.5	4865.2	5146.1	5426.9	5747.3	6067.7	6343.9	6620.0	6854.4
4493.7	22.5°	4395.2	4368.4	4619.6	4957.9	5296.1	5685.8	6075.6	6385.4	6695.0	6934.5
4280.2	25°	4166.6	4094.2	4351.7	4747.7	5143.9	5625.1	6106.5	6460.6	6814.5	7048.9
4076.6	27.5°	3966.9	3878.7	4113.2	4555.6	4998.0	5584.6	6171.1	6578.1	6984.9	7208.7
3878.2	30°	3791.2	3722.1	3918.9	4395.0	4871.1	5565.6	6259.7	6730.3	7200.9	7416.9
3688.8	32.5°	3637.3	3606.5	3765.2	4256.5	4747.7	5542.1	6336.0	6889.1	7442.2	7656.0
3506.1	35°	3491.9	3504.7	3636.9	4120.4	4604.0	5497.8	6392.1	7070.1	7748.1	7953.1
3323.9	37.5°	3339.6	3386.2	3501.7	3960.2	4418.7	5422.0	6425.3	7272.8	8120.2	8381.5
3137.3	40°	3172.7	3244.2	3349.0	3769.1	4189.2	5317.6	6446.3	7530.1	8613.7	8994.5
2948.5	42.5°	2995.5	3085.6	3182.1	3558.1	3934.2	5209.9	6486.1	7866.8	9247.5	9797.0
2773.4	45°	2819.2	2906.4	3004.3	3334.1	3663.9	5109.8	6556.0	8309.8	10063.6	10804.9
2623.6	47.5°	2662.0	2737.0	2863.3	3156.9	3450.4	5027.2	6604.0	8781.8	10959.6	12003.1
2489.4	50°	2523.5	2610.6	2776.7	3039.2	3301.6	4937.1	6572.6	9219.7	11866.8	13439.8
2386.6	52.5°	2420.3	2542.1	2733.0	2961.6	3190.3	4784.9	6379.7	9504.1	12628.2	14949.0
2312.2	55°	2365.4	2548.9	2726.6	2905.4	3084.2	4532.7	5981.2	9441.4	12901.4	16287.0
2255.0	57.5°	2332.5	2555.8	2712.5	2838.8	2965.1	4177.0	5388.7	9000.3	12612.1	17235.3
2201.1	60°	2301.6	2534.3	2637.7	2737.0	2836.3	3715.2	4594.2	8179.5	11764.9	17472.3
2139.8	62.5°	2265.6	2481.4	2494.1	2559.9	2625.9	3162.5	3699.2	7069.7	10440.2	16474.4
2056.0	65°	2189.6	2354.1	2352.5	2383.7	2414.8	2665.3	2915.8	5937.3	8959.0	15062.6
1942.8	67.5°	2054.0	2146.5	2150.8	2133.6	2116.1	2187.4	2258.5	4828.0	7397.5	13382.4
1803.0	70°	1882.1	1912.4	1912.4	1832.0	1751.3	1731.1	1710.7	3801.4	5892.1	11549.1
1636.3	72.5°	1690.6	1690.2	1671.0	1556.8	1442.4	1380.9	1319.6	2906.2	4492.7	9561.6
1431.4	75°	1473.2	1480.6	1392.1	1264.0	1135.9	1080.3	1024.7	2109.3	3193.9	7283.3
1221.9	77.5°	1255.4	1259.3	1113.4	989.0	864.7	826.7	788.9	1429.3	2069.7	5097.7
979.0	80°	1007.0	1007.6	833.3	728.2	622.8	607.1	591.5	920.9	1250.5	3284.4
727.0	82.5°	740.7	732.5	583.6	506.1	428.5	425.4	422.6	566.4	710.5	1900.9
473.0	85°	487.7	476.9	366.2	309.4	252.6	254.2	255.6	302.8	350.2	855.1
209.6	87.5°	215.4	201.7	155.7	132.4	109.3	110.7	112.0	125.5	139.1	280.1
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°
5103.8	0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
5488.6	2.5°	5509.4	5530.3	5559.9	5589.5	5607.1	5624.7	5633.5	5642.3	5638.4	5642.3
5901.8	5°	5974.5	6047.4	6119.4	6191.7	6230.9	6270.0	6293.7	6317.6	6335.6	6317.6
6317.0	7.5°	6435.3	6553.4	6659.8	6766.1	6830.2	6894.2	6928.9	6963.3	6980.0	6963.3
6635.3	10°	6775.1	6915.0	7039.7	7164.5	7240.1	7315.3	7349.0	7382.4	7395.2	7382.4
6830.2	12.5°	6981.7	7133.1	7245.9	7358.4	7413.2	7468.0	7486.4	7504.9	7506.8	7504.9
6948.6	15°	7079.5	7210.1	7280.8	7351.7	7353.7	7355.6	7336.0	7316.4	7293.3	7316.4
7015.2	17.5°	7103.6	7191.9	7193.3	7194.4	7115.1	7035.8	6963.1	6890.3	6839.0	6890.3
7088.7	20°	7119.4	7150.4	7057.3	6964.3	6789.2	6614.1	6486.6	6359.1	6280.8	6359.1
7173.9	22.5°	7133.5	7093.2	6900.5	6707.8	6450.2	6192.7	6033.3	5873.8	5787.3	5873.8
7283.5	25°	7156.2	7028.9	6736.3	6443.8	6131.0	5818.2	5650.6	5483.3	5401.5	5483.3
7432.4	27.5°	7204.8	6977.0	6589.5	6202.1	5855.4	5508.8	5343.9	5179.2	5101.8	5179.2
7633.1	30°	7293.7	6954.5	6477.4	6000.4	5639.2	5278.1	5125.1	4972.2	4900.1	4972.2
7870.1	32.5°	7405.4	6940.8	6401.1	5861.3	5521.9	5182.5	5062.4	4942.2	4890.3	4942.2
8158.0	35°	7589.3	7020.7	6458.2	5896.0	5660.2	5424.6	5396.6	5368.6	5364.2	5368.6
8642.7	37.5°	7973.7	7304.7	6793.5	6282.4	6267.1	6251.8	6379.9	6508.0	6574.6	6508.0
9375.2	40°	8647.6	7920.0	7539.9	7159.8	7428.1	7696.4	8007.8	8319.2	8474.3	8319.2
10346.6	42.5°	9624.7	8902.8	8683.9	8464.9	9050.1	9635.3	10201.7	10768.1	11100.6	10768.1
11546.2	45°	10897.7	10249.1	10152.5	10055.8	10993.3	11931.0	12861.7	13792.5	14357.5	13792.5
13046.3	47.5°	12415.5	11784.5	11764.9	11745.3	13097.8	14450.0	15812.5	17174.8	17974.8	17174.8
15012.6	50°	14233.4	13454.3	13457.6	13460.9	15204.0	16947.0	18745.5	20543.9	21631.3	20543.9
17269.8	52.5°	16326.2	15382.8	15287.4	15191.8	17273.9	19355.9	21581.2	23806.2	25109.5	23806.2
19672.8	55°	18740.6	17808.4	17436.4	17064.5	19381.8	21698.9	24351.6	27004.3	28554.5	27004.3
21858.5	57.5°	21350.8	20843.0	20097.0	19351.2	21691.0	24030.8	27035.5	30040.0	31962.2	30040.0
23179.5	60°	23967.9	24756.6	23830.3	22903.9	25118.1	27332.4	30549.4	33766.4	35843.9	33766.4
22508.7	62.5°	24663.2	26817.7	26713.3	26608.7	28637.1	30665.7	33726.4	36786.9	38707.2	36786.9
21166.2	65°	23188.3	25210.4	25610.5	26010.4	28588.2	31166.1	34134.0	37101.6	38736.6	37101.6
19367.3	67.5°	21290.5	23213.7	23401.4	23588.8	26274.6	28960.3	31940.9	34921.5	36202.3	34921.5
17206.1	70°	19298.0	21390.0	21473.8	21557.8	23959.7	26361.4	28926.4	31491.2	32203.1	31491.2
14630.7	72.5°	17031.2	19431.9	19492.2	19552.4	21431.5	23310.7	25231.7	27152.6	27224.7	27152.6
11372.8	75°	13857.3	16341.9	16564.9	16788.0	18250.0	19712.0	21064.3	22416.6	22054.3	22416.6
8125.7	77.5°	10444.9	12764.3	13083.6	13402.8	14514.2	15625.6	16584.7	17544.0	16921.2	17544.0
5318.2	80°	7269.4	9220.5	9617.3	10014.0	10853.4	11692.5	12196.2	12699.7	11697.9	12699.7
3091.4	82.5°	4425.4	5759.5	6202.7	6646.1	7223.8	7801.6	8011.7	8221.7	7434.3	8221.7
1360.2	85°	2068.1	2776.1	3153.1	3530.1	4004.9	4479.4	4598.7	4718.0	4087.3	4718.0
421.1	87.5°	659.0	897.0	1107.3	1317.7	1555.0	1792.4	1802.6	1812.6	1521.7	1812.6
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):

325°		330°	335°	340°	345°	350°	355°	360°
5103.8	0°	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8	5103.8
5633.5	2.5°	5624.7	5607.1	5589.5	5559.9	5530.3	5509.4	5488.6
6293.7	5°	6270.0	6230.9	6191.7	6119.4	6047.4	5974.5	5901.8
6928.9	7.5°	6894.2	6830.2	6766.1	6659.8	6553.4	6435.3	6317.0
7349.0	10°	7315.3	7240.1	7164.5	7039.7	6915.0	6775.1	6635.3
7486.4	12.5°	7468.0	7413.2	7358.4	7245.9	7133.1	6981.7	6830.2
7336.0	15°	7355.6	7353.7	7351.7	7280.8	7210.1	7079.5	6948.6
6963.1	17.5°	7035.8	7115.1	7194.4	7193.3	7191.9	7103.6	7015.2
6486.6	20°	6614.1	6789.2	6964.3	7057.3	7150.4	7119.4	7088.7
6033.3	22.5°	6192.7	6450.2	6707.8	6900.5	7093.2	7133.5	7173.9
5650.6	25°	5818.2	6131.0	6443.8	6736.3	7028.9	7156.2	7283.5
5343.9	27.5°	5508.8	5855.4	6202.1	6589.5	6977.0	7204.8	7432.4
5125.1	30°	5278.1	5639.2	6000.4	6477.4	6954.5	7293.7	7633.1
5062.4	32.5°	5182.5	5521.9	5861.3	6401.1	6940.8	7405.4	7870.1
5396.6	35°	5424.6	5660.2	5896.0	6458.2	7020.7	7589.3	8158.0
6379.9	37.5°	6251.8	6267.1	6282.4	6793.5	7304.7	7973.7	8642.7
8007.8	40°	7696.4	7428.1	7159.8	7539.9	7920.0	8647.6	9375.2
10201.7	42.5°	9635.3	9050.1	8464.9	8683.9	8902.8	9624.7	10346.6
12861.7	45°	11931.0	10993.3	10055.8	10152.5	10249.1	10897.7	11546.2
15812.5	47.5°	14450.0	13097.8	11745.3	11764.9	11784.5	12415.5	13046.3
18745.5	50°	16947.0	15204.0	13460.9	13457.6	13454.3	14233.4	15012.6
21581.2	52.5°	19355.9	17273.9	15191.8	15287.4	15382.8	16326.2	17269.8
24351.6	55°	21698.9	19381.8	17064.5	17436.4	17808.4	18740.6	19672.8
27035.5	57.5°	24030.8	21691.0	19351.2	20097.0	20843.0	21350.8	21858.5
30549.4	60°	27332.4	25118.1	22903.9	23830.3	24756.6	23967.9	23179.5
33726.4	62.5°	30665.7	28637.1	26608.7	26713.3	26817.7	24663.2	22508.7
34134.0	65°	31166.1	28588.2	26010.4	25610.5	25210.4	23188.3	21166.2
31940.9	67.5°	28960.3	26274.6	23588.8	23401.4	23213.7	21290.5	19367.3
28926.4	70°	26361.4	23959.7	21557.8	21473.8	21390.0	19298.0	17206.1
25231.7	72.5°	23310.7	21431.5	19552.4	19492.2	19431.9	17031.2	14630.7
21064.3	75°	19712.0	18250.0	16788.0	16564.9	16341.9	13857.3	11372.8
16584.7	77.5°	15625.6	14514.2	13402.8	13083.6	12764.3	10444.9	8125.7
12196.2	80°	11692.5	10853.4	10014.0	9617.3	9220.5	7269.4	5318.2
8011.7	82.5°	7801.6	7223.8	6646.1	6202.7	5759.5	4425.4	3091.4
4598.7	85°	4479.4	4004.9	3530.1	3153.1	2776.1	2068.1	1360.2
1802.6	87.5°	1792.4	1555.0	1317.7	1107.3	897.0	659.0	421.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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