

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: P955384

Luminaire Tested: **GALN-SB8B-835-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955384  
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-SB8B-835-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

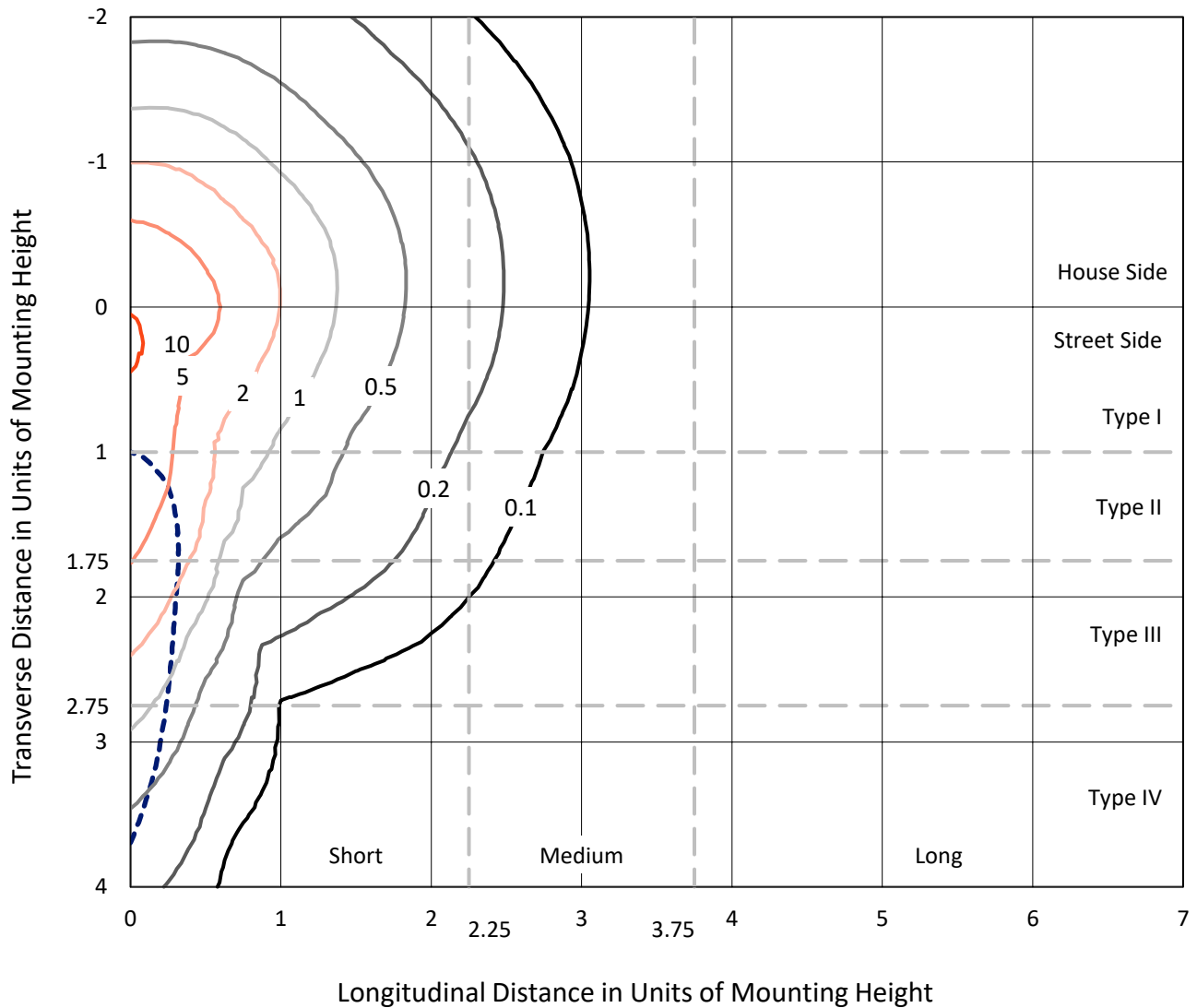
Lumens per Lamp: N/A  
Luminaire Lumens: 42083 lumens  
Efficiency: N/A  
Efficacy: 143.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): 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

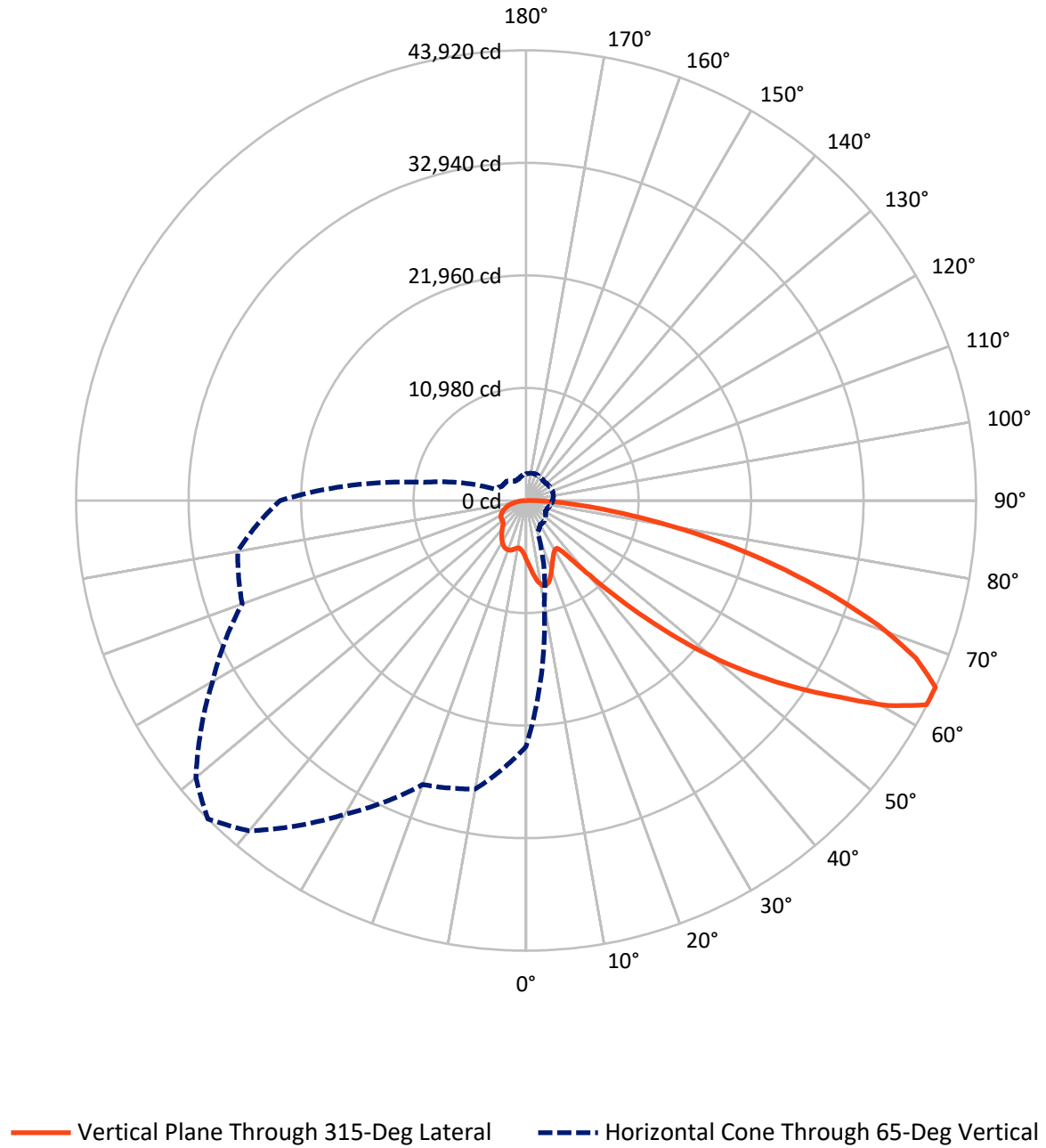
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10695.4	0.0	10695.4
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	31387.6	0.0	31387.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	42083.0	0.0	42083.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	574.0	1.4
10°-20°	1802.0	4.3
20°-30°	2783.5	6.6
30°-40°	3527.4	8.4
40°-50°	5320.3	12.6
50°-60°	8595.7	20.4
60°-70°	10715.9	25.5
70°-80°	7026.9	16.7
80°-90°	1737.2	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°	42083.0	100.0
0°-180°	42083.0	100.0



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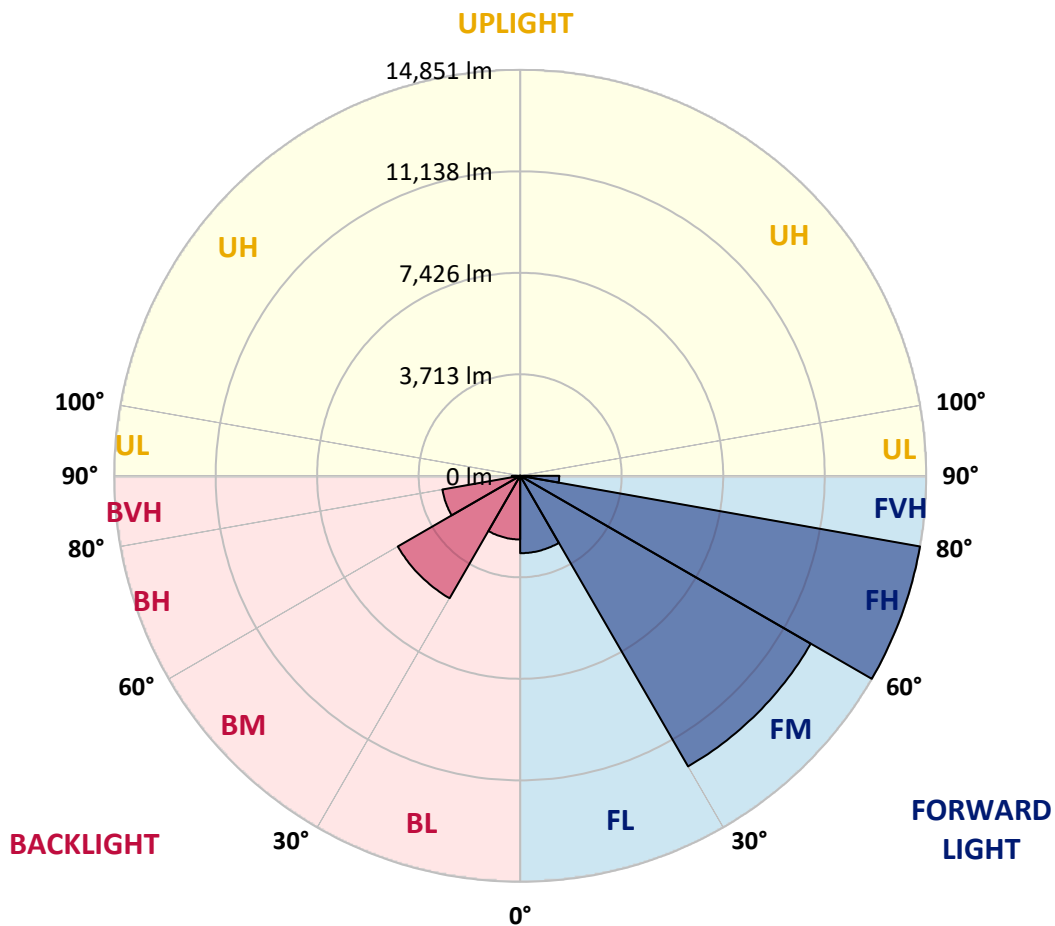
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2830.6	6.7			
FM (30°-60°)	12274.7	29.2			
FH (60°-80°)	14851.3	35.3			G5
FVH (80°-90°)	1431.1	3.4			G5
BL (0°-30°)	2329.0	5.5	B3/2500		
BM (30°-60°)	5168.7	12.3	B4/8500		
BH (60°-80°)	2891.5	6.9	B4/5000		G4/5000
BVH (80°-90°)	306.1	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°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
2.5°	6223.1	6175.4	6127.6	6076.8	6026.2	5975.1	5924.0	5875.2	5826.3	5779.0
5°	6691.7	6586.2	6480.7	6375.4	6270.4	6164.5	6058.8	5960.0	5861.2	5767.9
7.5°	7162.4	6988.3	6814.4	6653.7	6492.9	6336.4	6179.8	6041.9	5904.0	5776.8
10°	7523.3	7303.2	7083.1	6870.6	6658.3	6468.3	6278.0	6115.0	5951.5	5794.5
12.5°	7744.2	7502.4	7260.8	7020.1	6779.4	6555.1	6330.8	6146.3	5961.8	5796.8
15°	7878.5	7626.5	7374.5	7113.3	6852.2	6593.9	6335.7	6122.1	5908.5	5725.7
17.5°	7954.0	7698.5	7442.9	7158.0	6873.1	6573.3	6273.5	6016.6	5759.7	5544.7
20°	8037.3	7771.7	7505.9	7192.8	6879.7	6516.5	6153.2	5834.7	5516.3	5266.1
22.5°	8133.9	7862.6	7591.0	7239.9	6888.6	6446.7	6004.8	5621.3	5237.9	4953.0
25°	8258.3	7992.2	7726.4	7325.2	6923.7	6377.9	5832.3	5383.1	4934.1	4642.1
27.5°	8427.0	8173.4	7919.6	7458.4	6997.0	6331.9	5666.9	5165.2	4663.6	4397.8
30°	8654.6	8409.5	8164.5	7630.9	7097.3	6310.4	5523.0	4983.2	4443.3	4220.2
32.5°	8923.3	8680.6	8438.1	7811.0	7184.0	6283.7	5383.1	4826.2	4269.0	4089.2
35°	9249.7	9017.5	8785.0	8016.2	7247.5	6233.6	5220.1	4671.8	4123.6	3973.7
37.5°	9799.3	9503.1	9206.9	8246.0	7285.2	6147.6	5010.0	4490.2	3970.4	3839.3
40°	10629.8	10198.1	9766.5	8537.8	7309.0	6029.3	4749.8	4273.5	3797.2	3678.4
42.5°	11731.2	11108.1	10485.0	8919.5	7354.0	5907.1	4460.7	4034.3	3608.0	3498.5
45°	13091.3	12250.8	11410.3	9421.8	7433.3	5793.7	4154.2	3780.3	3406.3	3295.3
47.5°	14792.2	13609.4	12426.2	9957.0	7487.7	5700.0	3912.2	3579.3	3246.5	3103.2
50°	17021.7	15238.4	13454.8	10453.5	7452.2	5597.8	3743.4	3445.9	3148.3	2960.0
52.5°	19580.9	16949.5	14318.2	10775.9	7233.5	5425.3	3617.3	3357.9	3098.8	2882.3
55°	22305.5	18466.6	14627.9	10704.9	6781.6	5139.3	3496.9	3294.2	3091.5	2890.1
57.5°	24783.7	19541.8	14300.0	10204.8	6109.9	4736.0	3361.9	3218.7	3075.5	2897.8
60°	26281.4	19810.5	13339.3	9274.2	5209.0	4212.4	3215.8	3103.2	2990.6	2873.4
62.5°	25520.9	18679.1	11837.4	8015.8	4194.2	3585.8	2977.3	2902.5	2827.9	2813.4
65°	23998.7	17078.3	10157.9	6731.8	3306.0	3022.0	2737.9	2702.6	2667.3	2669.1
67.5°	21959.1	15173.3	8387.5	5474.1	2560.7	2480.1	2399.3	2419.1	2438.6	2433.7
70°	19508.7	13094.6	6680.5	4310.1	1939.7	1962.8	1985.6	2077.1	2168.4	2168.4
72.5°	16588.7	10841.2	5094.0	3295.1	1496.2	1565.7	1635.4	1765.1	1894.6	1916.3
75°	12894.8	8258.0	3621.3	2391.5	1161.8	1224.9	1287.9	1433.1	1578.4	1678.7
77.5°	9213.1	5779.9	2346.7	1620.6	894.4	937.3	980.4	1121.4	1262.4	1427.8
80°	6029.9	3723.9	1417.8	1044.1	670.6	688.4	706.1	825.6	944.8	1142.5
82.5°	3505.2	2155.3	805.6	642.2	479.2	482.3	485.9	573.8	661.7	830.5
85°	1542.2	969.5	397.0	343.3	289.8	288.2	286.5	350.8	415.2	540.7
87.5°	477.4	317.5	157.7	142.3	127.0	125.5	123.9	150.1	176.5	228.7
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°
5786.8	0°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
5726.4	2.5°	5683.7	5641.3	5602.9	5564.7	5531.2	5497.7	5463.9	5430.4	5404.4	5378.2
5675.7	5°	5595.4	5514.8	5447.3	5380.0	5320.5	5260.9	5207.0	5152.8	5111.3	5069.5
5657.5	7.5°	5550.5	5443.7	5354.9	5266.1	5191.2	5116.2	5050.0	4984.0	4934.5	4885.2
5666.4	10°	5553.6	5440.8	5352.0	5263.2	5182.6	5101.7	5027.3	4953.0	4893.9	4834.6
5677.5	12.5°	5585.1	5493.2	5434.2	5375.5	5312.0	5249.0	5171.9	5095.1	5019.6	4944.1
5630.2	15°	5586.0	5542.1	5550.1	5558.1	5541.6	5525.2	5458.4	5391.5	5284.0	5176.6
5485.9	17.5°	5502.1	5518.1	5614.9	5711.7	5763.2	5814.5	5760.6	5706.8	5564.5	5422.2
5250.5	20°	5326.0	5401.5	5569.6	5737.9	5845.6	5953.3	5928.4	5903.4	5740.6	5578.0
4983.4	22.5°	5095.1	5206.8	5398.6	5590.9	5731.0	5871.2	5886.3	5901.1	5745.7	5590.3
4724.2	25°	4853.0	4981.8	5154.4	5327.1	5465.0	5602.9	5654.4	5705.7	5578.3	5451.0
4497.7	27.5°	4622.1	4746.4	4888.3	5030.0	5140.6	5251.2	5308.5	5366.0	5275.2	5184.6
4298.6	30°	4397.1	4496.2	4613.9	4731.6	4823.3	4915.2	4961.8	5008.5	4939.4	4870.1
4124.0	32.5°	4182.4	4240.8	4334.8	4428.9	4516.8	4605.0	4656.7	4708.7	4645.2	4581.5
3959.3	35°	3975.2	3991.5	4063.2	4134.7	4221.7	4309.0	4371.2	4433.3	4388.0	4343.0
3786.5	37.5°	3768.7	3751.0	3802.5	3853.8	3940.6	4027.6	4104.5	4181.3	4160.4	4139.6
3597.3	40°	3557.1	3516.9	3554.0	3591.1	3675.0	3759.0	3847.3	3935.9	3941.0	3945.9
3396.3	42.5°	3343.1	3289.8	3320.0	3350.4	3429.9	3509.6	3605.1	3700.6	3726.1	3751.6
3196.5	45°	3144.5	3092.8	3118.1	3143.9	3219.4	3294.9	3393.9	3492.9	3529.6	3566.2
3018.2	47.5°	2974.7	2931.1	2955.1	2978.9	3052.8	3126.5	3224.3	3322.0	3364.1	3406.3
2861.2	50°	2822.6	2784.1	2821.4	2859.0	2928.7	2998.2	3085.7	3173.2	3227.4	3281.5
2744.2	52.5°	2706.0	2668.0	2724.2	2780.1	2844.1	2907.8	2989.3	3071.0	3135.2	3199.4
2682.0	55°	2621.6	2561.4	2641.1	2720.6	2789.5	2858.3	2929.8	3001.1	3069.0	3137.2
2644.7	57.5°	2556.8	2468.8	2554.5	2640.2	2721.1	2801.9	2872.5	2943.4	3012.0	3080.4
2609.6	60°	2495.7	2381.5	2456.8	2531.9	2624.7	2717.5	2789.2	2861.2	2930.0	2998.9
2568.7	62.5°	2426.2	2283.8	2331.6	2379.3	2487.5	2595.8	2672.4	2749.1	2812.1	2875.2
2482.6	65°	2331.1	2179.5	2197.9	2216.1	2332.0	2448.2	2521.4	2594.7	2650.2	2705.8
2328.9	67.5°	2202.8	2076.7	2070.9	2065.1	2172.2	2279.4	2348.9	2418.2	2466.2	2514.1
2134.0	70°	2044.2	1954.5	1934.6	1914.6	2008.7	2102.9	2162.8	2222.8	2266.1	2309.4
1916.8	72.5°	1855.3	1793.8	1764.5	1735.4	1809.5	1883.5	1937.7	1991.8	2034.3	2076.7
1670.3	75°	1623.0	1575.5	1547.5	1519.3	1574.4	1629.4	1678.5	1727.6	1766.2	1804.9
1423.4	77.5°	1385.4	1347.4	1319.0	1290.6	1335.4	1380.1	1422.3	1464.5	1505.1	1545.5
1141.8	80°	1110.1	1078.1	1054.3	1030.3	1067.6	1104.7	1140.3	1175.8	1206.7	1237.3
839.8	82.5°	824.3	808.7	791.9	775.0	771.9	768.8	756.3	743.9	809.6	875.3
552.9	85°	536.3	519.6	500.7	481.9	465.9	449.7	415.2	380.8	442.3	504.1
244.3	87.5°	237.6	230.9	227.4	223.8	223.2	222.5	196.3	169.9	195.6	221.6
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5786.8	0°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
5357.1	2.5°	5336.0	5319.6	5303.1	5288.0	5272.7	5253.8	5272.7	5288.0	5303.1	5319.6
5040.4	5°	5011.4	4990.7	4970.1	4954.3	4938.5	4923.0	4938.5	4954.3	4970.1	4990.7
4850.6	7.5°	4815.9	4792.2	4768.6	4754.4	4740.4	4729.8	4740.4	4754.4	4768.6	4792.2
4796.0	10°	4756.9	4734.5	4712.0	4700.0	4688.0	4683.2	4688.0	4700.0	4712.0	4734.5
4894.1	12.5°	4844.1	4819.1	4794.2	4784.0	4773.8	4772.0	4773.8	4784.0	4794.2	4819.1
5100.6	15°	5024.7	4989.8	4955.2	4941.9	4928.5	4927.4	4928.5	4941.9	4955.2	4989.8
5310.2	17.5°	5198.3	5146.8	5095.1	5078.2	5061.1	5058.4	5061.1	5078.2	5095.1	5146.8
5440.8	20°	5303.8	5237.9	5171.7	5150.6	5129.5	5122.8	5129.5	5150.6	5171.7	5237.9
5449.0	22.5°	5307.6	5238.1	5168.3	5145.0	5121.7	5111.7	5121.7	5145.0	5168.3	5238.1
5325.3	25°	5200.1	5139.7	5079.5	5057.5	5035.8	5022.9	5035.8	5057.5	5079.5	5139.7
5087.1	27.5°	4989.6	4949.2	4908.5	4898.6	4888.6	4885.2	4888.6	4898.6	4908.5	4949.2
4800.4	30°	4730.2	4709.6	4688.7	4688.7	4688.7	4692.0	4688.7	4688.7	4688.7	4709.6
4525.7	32.5°	4470.0	4456.4	4442.9	4444.7	4446.7	4450.0	4446.7	4444.7	4442.9	4456.4
4291.5	35°	4240.2	4219.5	4199.1	4194.6	4190.2	4188.0	4190.2	4194.6	4199.1	4219.5
4092.3	37.5°	4044.7	4007.2	3969.9	3950.2	3930.4	3919.3	3930.4	3950.2	3969.9	4007.2
3905.7	40°	3865.5	3810.9	3756.7	3719.9	3683.5	3661.7	3683.5	3719.9	3756.7	3810.9
3717.7	42.5°	3683.9	3616.2	3548.5	3494.9	3441.4	3406.3	3441.4	3494.9	3548.5	3616.2
3535.6	45°	3505.2	3427.7	3350.4	3287.5	3224.7	3184.3	3224.7	3287.5	3350.4	3427.7
3385.0	47.5°	3363.7	3294.9	3226.0	3167.8	3109.9	3071.0	3109.9	3167.8	3226.0	3294.9
3280.2	50°	3279.3	3224.3	3169.2	3115.4	3061.7	3024.4	3061.7	3115.4	3169.2	3224.3
3210.9	52.5°	3222.5	3177.6	3132.8	3084.6	3036.6	3002.2	3036.6	3084.6	3132.8	3177.6
3153.2	55°	3169.2	3130.1	3091.0	3048.8	3006.6	2975.5	3006.6	3048.8	3091.0	3130.1
3096.6	57.5°	3112.8	3073.3	3033.7	2992.0	2950.0	2917.8	2950.0	2992.0	3033.7	3073.3
3016.6	60°	3034.4	2995.8	2957.3	2914.3	2871.2	2837.9	2871.2	2914.3	2957.3	2995.8
2892.3	62.5°	2909.4	2874.5	2839.6	2794.4	2749.1	2709.1	2749.1	2794.4	2839.6	2874.5
2723.3	65°	2740.6	2707.1	2673.6	2629.6	2585.8	2551.4	2585.8	2629.6	2673.6	2707.1
2531.2	67.5°	2548.1	2517.2	2486.6	2445.7	2404.9	2373.8	2404.9	2445.7	2486.6	2517.2
2325.8	70°	2342.2	2317.2	2292.1	2253.0	2213.9	2178.4	2213.9	2253.0	2292.1	2317.2
2096.2	72.5°	2115.7	2094.9	2074.0	2036.7	1999.6	1965.2	1999.6	2036.7	2074.0	2094.9
1825.3	75°	1845.7	1835.5	1825.3	1794.0	1762.7	1729.8	1762.7	1794.0	1825.3	1835.5
1564.6	77.5°	1583.7	1569.5	1554.8	1523.3	1491.8	1465.6	1491.8	1523.3	1554.8	1569.5
1262.6	80°	1287.9	1281.7	1275.7	1233.3	1190.7	1141.4	1190.7	1233.3	1275.7	1281.7
918.4	82.5°	961.5	958.8	956.0	920.2	884.2	852.7	884.2	920.2	956.0	958.8
557.4	85°	610.7	606.2	601.8	573.8	545.8	517.4	545.8	573.8	601.8	606.2
243.2	87.5°	264.7	259.4	253.6	239.4	224.7	211.0	224.7	239.4	253.6	259.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5786.8	0°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
5336.0	2.5°	5357.1	5378.2	5404.4	5430.4	5463.9	5497.7	5531.2	5564.7	5602.9	5641.3
5011.4	5°	5040.4	5069.5	5111.3	5152.8	5207.0	5260.9	5320.5	5380.0	5447.3	5514.8
4815.9	7.5°	4850.6	4885.2	4934.5	4984.0	5050.0	5116.2	5191.2	5266.1	5354.9	5443.7
4756.9	10°	4796.0	4834.6	4893.9	4953.0	5027.3	5101.7	5182.6	5263.2	5352.0	5440.8
4844.1	12.5°	4894.1	4944.1	5019.6	5095.1	5171.9	5249.0	5312.0	5375.5	5434.2	5493.2
5024.7	15°	5100.6	5176.6	5284.0	5391.5	5458.4	5525.2	5541.6	5558.1	5550.1	5542.1
5198.3	17.5°	5310.2	5422.2	5564.5	5706.8	5760.6	5814.5	5763.2	5711.7	5614.9	5518.1
5303.8	20°	5440.8	5578.0	5740.6	5903.4	5928.4	5953.3	5845.6	5737.9	5569.6	5401.5
5307.6	22.5°	5449.0	5590.3	5745.7	5901.1	5886.3	5871.2	5731.0	5590.9	5398.6	5206.8
5200.1	25°	5325.3	5451.0	5578.3	5705.7	5654.4	5602.9	5465.0	5327.1	5154.4	4981.8
4989.6	27.5°	5087.1	5184.6	5275.2	5366.0	5308.5	5251.2	5140.6	5030.0	4888.3	4746.4
4730.2	30°	4800.4	4870.1	4939.4	5008.5	4961.8	4915.2	4823.3	4731.6	4613.9	4496.2
4470.0	32.5°	4525.7	4581.5	4645.2	4708.7	4656.7	4605.0	4516.8	4428.9	4334.8	4240.8
4240.2	35°	4291.5	4343.0	4388.0	4433.3	4371.2	4309.0	4221.7	4134.7	4063.2	3991.5
4044.7	37.5°	4092.3	4139.6	4160.4	4181.3	4104.5	4027.6	3940.6	3853.8	3802.5	3751.0
3865.5	40°	3905.7	3945.9	3941.0	3935.9	3847.3	3759.0	3675.0	3591.1	3554.0	3516.9
3683.9	42.5°	3717.7	3751.6	3726.1	3700.6	3605.1	3509.6	3429.9	3350.4	3320.0	3289.8
3505.2	45°	3535.6	3566.2	3529.6	3492.9	3393.9	3294.9	3219.4	3143.9	3118.1	3092.8
3363.7	47.5°	3385.0	3406.3	3364.1	3322.0	3224.3	3126.5	3052.8	2978.9	2955.1	2931.1
3279.3	50°	3280.2	3281.5	3227.4	3173.2	3085.7	2998.2	2928.7	2859.0	2821.4	2784.1
3222.5	52.5°	3210.9	3199.4	3135.2	3071.0	2989.3	2907.8	2844.1	2780.1	2724.2	2668.0
3169.2	55°	3153.2	3137.2	3069.0	3001.1	2929.8	2858.3	2789.5	2720.6	2641.1	2561.4
3112.8	57.5°	3096.6	3080.4	3012.0	2943.4	2872.5	2801.9	2721.1	2640.2	2554.5	2468.8
3034.4	60°	3016.6	2998.9	2930.0	2861.2	2789.2	2717.5	2624.7	2531.9	2456.8	2381.5
2909.4	62.5°	2892.3	2875.2	2812.1	2749.1	2672.4	2595.8	2487.5	2379.3	2331.6	2283.8
2740.6	65°	2723.3	2705.8	2650.2	2594.7	2521.4	2448.2	2332.0	2216.1	2197.9	2179.5
2548.1	67.5°	2531.2	2514.1	2466.2	2418.2	2348.9	2279.4	2172.2	2065.1	2070.9	2076.7
2342.2	70°	2325.8	2309.4	2266.1	2222.8	2162.8	2102.9	2008.7	1914.6	1934.6	1954.5
2115.7	72.5°	2096.2	2076.7	2034.3	1991.8	1937.7	1883.5	1809.5	1735.4	1764.5	1793.8
1845.7	75°	1825.3	1804.9	1766.2	1727.6	1678.5	1629.4	1574.4	1519.3	1547.5	1575.5
1583.7	77.5°	1564.6	1545.5	1505.1	1464.5	1422.3	1380.1	1335.4	1290.6	1319.0	1347.4
1287.9	80°	1262.6	1237.3	1206.7	1175.8	1140.3	1104.7	1067.6	1030.3	1054.3	1078.1
961.5	82.5°	918.4	875.3	809.6	743.9	756.3	768.8	771.9	775.0	791.9	808.7
610.7	85°	557.4	504.1	442.3	380.8	415.2	449.7	465.9	481.9	500.7	519.6
264.7	87.5°	243.2	221.6	195.6	169.9	196.3	222.5	223.2	223.8	227.4	230.9
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°
5786.8	0°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
5683.7	2.5°	5726.4	5779.0	5826.3	5875.2	5924.0	5975.1	6026.2	6076.8	6127.6	6175.4
5595.4	5°	5675.7	5767.9	5861.2	5960.0	6058.8	6164.5	6270.4	6375.4	6480.7	6586.2
5550.5	7.5°	5657.5	5776.8	5904.0	6041.9	6179.8	6336.4	6492.9	6653.7	6814.4	6988.3
5553.6	10°	5666.4	5794.5	5951.5	6115.0	6278.0	6468.3	6658.3	6870.6	7083.1	7303.2
5585.1	12.5°	5677.5	5796.8	5961.8	6146.3	6330.8	6555.1	6779.4	7020.1	7260.8	7502.4
5586.0	15°	5630.2	5725.7	5908.5	6122.1	6335.7	6593.9	6852.2	7113.3	7374.5	7626.5
5502.1	17.5°	5485.9	5544.7	5759.7	6016.6	6273.5	6573.3	6873.1	7158.0	7442.9	7698.5
5326.0	20°	5250.5	5266.1	5516.3	5834.7	6153.2	6516.5	6879.7	7192.8	7505.9	7771.7
5095.1	22.5°	4983.4	4953.0	5237.9	5621.3	6004.8	6446.7	6888.6	7239.9	7591.0	7862.6
4853.0	25°	4724.2	4642.1	4934.1	5383.1	5832.3	6377.9	6923.7	7325.2	7726.4	7992.2
4622.1	27.5°	4497.7	4397.8	4663.6	5165.2	5666.9	6331.9	6997.0	7458.4	7919.6	8173.4
4397.1	30°	4298.6	4220.2	4443.3	4983.2	5523.0	6310.4	7097.3	7630.9	8164.5	8409.5
4182.4	32.5°	4124.0	4089.2	4269.0	4826.2	5383.1	6283.7	7184.0	7811.0	8438.1	8680.6
3975.2	35°	3959.3	3973.7	4123.6	4671.8	5220.1	6233.6	7247.5	8016.2	8785.0	9017.5
3768.7	37.5°	3786.5	3839.3	3970.4	4490.2	5010.0	6147.6	7285.2	8246.0	9206.9	9503.1
3557.1	40°	3597.3	3678.4	3797.2	4273.5	4749.8	6029.3	7309.0	8537.8	9766.5	10198.1
3343.1	42.5°	3396.3	3498.5	3608.0	4034.3	4460.7	5907.1	7354.0	8919.5	10485.0	11108.1
3144.5	45°	3196.5	3295.3	3406.3	3780.3	4154.2	5793.7	7433.3	9421.8	11410.3	12250.8
2974.7	47.5°	3018.2	3103.2	3246.5	3579.3	3912.2	5700.0	7487.7	9957.0	12426.2	13609.4
2822.6	50°	2861.2	2960.0	3148.3	3445.9	3743.4	5597.8	7452.2	10453.5	13454.8	15238.4
2706.0	52.5°	2744.2	2882.3	3098.8	3357.9	3617.3	5425.3	7233.5	10775.9	14318.2	16949.5
2621.6	55°	2682.0	2890.1	3091.5	3294.2	3496.9	5139.3	6781.6	10704.9	14627.9	18466.6
2556.8	57.5°	2644.7	2897.8	3075.5	3218.7	3361.9	4736.0	6109.9	10204.8	14300.0	19541.8
2495.7	60°	2609.6	2873.4	2990.6	3103.2	3215.8	4212.4	5209.0	9274.2	13339.3	19810.5
2426.2	62.5°	2568.7	2813.4	2827.9	2902.5	2977.3	3585.8	4194.2	8015.8	11837.4	18679.1
2331.1	65°	2482.6	2669.1	2667.3	2702.6	2737.9	3022.0	3306.0	6731.8	10157.9	17078.3
2202.8	67.5°	2328.9	2433.7	2438.6	2419.1	2399.3	2480.1	2560.7	5474.1	8387.5	15173.3
2044.2	70°	2134.0	2168.4	2168.4	2077.1	1985.6	1962.8	1939.7	4310.1	6680.5	13094.6
1855.3	72.5°	1916.8	1916.3	1894.6	1765.1	1635.4	1565.7	1496.2	3295.1	5094.0	10841.2
1623.0	75°	1670.3	1678.7	1578.4	1433.1	1287.9	1224.9	1161.8	2391.5	3621.3	8258.0
1385.4	77.5°	1423.4	1427.8	1262.4	1121.4	980.4	937.3	894.4	1620.6	2346.7	5779.9
1110.1	80°	1141.8	1142.5	944.8	825.6	706.1	688.4	670.6	1044.1	1417.8	3723.9
824.3	82.5°	839.8	830.5	661.7	573.8	485.9	482.3	479.2	642.2	805.6	2155.3
536.3	85°	552.9	540.7	415.2	350.8	286.5	288.2	289.8	343.3	397.0	969.5
237.6	87.5°	244.3	228.7	176.5	150.1	123.9	125.5	127.0	142.3	157.7	317.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5786.8	0°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
6223.1	2.5°	6246.7	6270.4	6303.9	6337.5	6357.5	6377.4	6387.4	6397.4	6393.0	6397.4
6691.7	5°	6774.0	6856.6	6938.4	7020.3	7064.7	7109.1	7136.0	7163.1	7183.5	7163.1
7162.4	7.5°	7296.5	7430.4	7551.0	7671.6	7744.2	7816.8	7856.1	7895.2	7914.1	7895.2
7523.3	10°	7681.8	7840.3	7981.8	8123.2	8209.0	8294.2	8332.4	8370.4	8384.8	8370.4
7744.2	12.5°	7916.1	8087.7	8215.6	8343.1	8405.3	8467.4	8488.3	8509.2	8511.4	8509.2
7878.5	15°	8026.9	8175.0	8255.1	8335.5	8337.8	8340.0	8317.8	8295.6	8269.4	8295.6
7954.0	17.5°	8054.2	8154.3	8155.9	8157.2	8067.3	7977.4	7895.0	7812.4	7754.2	7812.4
8037.3	20°	8072.2	8107.3	8001.8	7896.3	7697.8	7499.3	7354.7	7210.2	7121.3	7210.2
8133.9	22.5°	8088.2	8042.4	7823.9	7605.4	7313.4	7021.4	6840.7	6659.9	6561.7	6659.9
8258.3	25°	8113.9	7969.6	7637.8	7306.1	6951.5	6596.8	6406.8	6217.1	6124.3	6217.1
8427.0	27.5°	8169.0	7910.7	7471.3	7032.1	6639.0	6246.0	6059.0	5872.3	5784.6	5872.3
8654.6	30°	8269.8	7885.2	7344.3	6803.3	6393.9	5984.4	5811.0	5637.6	5555.8	5637.6
8923.3	32.5°	8396.4	7869.7	7257.7	6645.7	6260.9	5876.0	5739.9	5603.6	5544.7	5603.6
9249.7	35°	8604.9	7960.3	7322.5	6685.0	6417.6	6150.5	6118.7	6087.0	6082.1	6087.0
9799.3	37.5°	9040.8	8282.2	7702.7	7123.1	7105.8	7088.5	7233.7	7378.9	7454.4	7378.9
10629.8	40°	9804.9	8979.9	8548.9	8117.9	8422.1	8726.4	9079.4	9432.5	9608.4	9432.5
11731.2	42.5°	10912.7	10094.2	9846.0	9597.7	10261.2	10924.7	11566.9	12209.1	12586.1	12209.1
13091.3	45°	12356.1	11620.6	11511.2	11401.5	12464.4	13527.6	14582.9	15638.3	16278.9	15638.3
14792.2	47.5°	14077.0	13361.5	13339.3	13317.1	14850.6	16383.7	17928.6	19473.2	20380.3	19473.2
17021.7	50°	16138.1	15254.8	15258.6	15262.3	17238.6	19214.9	21254.1	23293.2	24526.1	23293.2
19580.9	52.5°	18511.0	17441.4	17333.2	17224.9	19585.5	21946.2	24469.2	26992.0	28469.8	26992.0
22305.5	55°	21248.5	20191.5	19769.9	19348.2	21975.5	24602.7	27610.4	30618.2	32375.7	30618.2
24783.7	57.5°	24208.1	23632.3	22786.5	21940.9	24593.8	27246.7	30653.5	34060.0	36239.5	34060.0
26281.4	60°	27175.4	28069.6	27019.3	25969.0	28479.5	30990.1	34637.6	38285.1	40640.7	38285.1
25520.9	62.5°	27963.7	30406.5	30288.2	30169.6	32469.4	34769.5	38239.8	41709.9	43887.1	41709.9
23998.7	65°	26291.4	28584.1	29037.8	29491.2	32413.9	35336.9	38701.9	42066.7	43920.4	42066.7
21959.1	67.5°	24139.7	26320.3	26533.0	26745.5	29790.8	32835.8	36215.3	39594.8	41047.0	39594.8
19508.7	70°	21880.5	24252.5	24347.5	24442.8	27166.1	29889.2	32797.4	35705.5	36512.6	35705.5
16588.7	72.5°	19310.4	22032.4	22100.8	22168.9	24299.6	26430.2	28608.3	30786.3	30868.0	30786.3
12894.8	75°	15711.8	18528.8	18781.7	19034.6	20692.3	22349.9	23883.2	25416.5	25005.7	25416.5
9213.1	77.5°	11842.7	14472.5	14834.4	15196.4	16456.6	17716.7	18804.1	19891.8	19185.6	19891.8
6029.9	80°	8242.3	10454.4	10904.3	11354.2	12305.9	13257.2	13828.3	14399.2	13263.4	14399.2
3505.2	82.5°	5017.6	6530.2	7032.7	7535.5	8190.5	8845.6	9083.9	9321.9	8429.2	9321.9
1542.2	85°	2344.9	3147.6	3575.1	4002.6	4540.8	5078.9	5214.1	5349.3	4634.3	5349.3
477.4	87.5°	747.2	1017.0	1255.5	1494.0	1763.1	2032.3	2043.8	2055.1	1725.4	2055.1
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):**

325°		330°	335°	340°	345°	350°	355°	360°
5786.8	0°	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8	5786.8
6387.4	2.5°	6377.4	6357.5	6337.5	6303.9	6270.4	6246.7	6223.1
7136.0	5°	7109.1	7064.7	7020.3	6938.4	6856.6	6774.0	6691.7
7856.1	7.5°	7816.8	7744.2	7671.6	7551.0	7430.4	7296.5	7162.4
8332.4	10°	8294.2	8209.0	8123.2	7981.8	7840.3	7681.8	7523.3
8488.3	12.5°	8467.4	8405.3	8343.1	8215.6	8087.7	7916.1	7744.2
8317.8	15°	8340.0	8337.8	8335.5	8255.1	8175.0	8026.9	7878.5
7895.0	17.5°	7977.4	8067.3	8157.2	8155.9	8154.3	8054.2	7954.0
7354.7	20°	7499.3	7697.8	7896.3	8001.8	8107.3	8072.2	8037.3
6840.7	22.5°	7021.4	7313.4	7605.4	7823.9	8042.4	8088.2	8133.9
6406.8	25°	6596.8	6951.5	7306.1	7637.8	7969.6	8113.9	8258.3
6059.0	27.5°	6246.0	6639.0	7032.1	7471.3	7910.7	8169.0	8427.0
5811.0	30°	5984.4	6393.9	6803.3	7344.3	7885.2	8269.8	8654.6
5739.9	32.5°	5876.0	6260.9	6645.7	7257.7	7869.7	8396.4	8923.3
6118.7	35°	6150.5	6417.6	6685.0	7322.5	7960.3	8604.9	9249.7
7233.7	37.5°	7088.5	7105.8	7123.1	7702.7	8282.2	9040.8	9799.3
9079.4	40°	8726.4	8422.1	8117.9	8548.9	8979.9	9804.9	10629.8
11566.9	42.5°	10924.7	10261.2	9597.7	9846.0	10094.2	10912.7	11731.2
14582.9	45°	13527.6	12464.4	11401.5	11511.2	11620.6	12356.1	13091.3
17928.6	47.5°	16383.7	14850.6	13317.1	13339.3	13361.5	14077.0	14792.2
21254.1	50°	19214.9	17238.6	15262.3	15258.6	15254.8	16138.1	17021.7
24469.2	52.5°	21946.2	19585.5	17224.9	17333.2	17441.4	18511.0	19580.9
27610.4	55°	24602.7	21975.5	19348.2	19769.9	20191.5	21248.5	22305.5
30653.5	57.5°	27246.7	24593.8	21940.9	22786.5	23632.3	24208.1	24783.7
34637.6	60°	30990.1	28479.5	25969.0	27019.3	28069.6	27175.4	26281.4
38239.8	62.5°	34769.5	32469.4	30169.6	30288.2	30406.5	27963.7	25520.9
38701.9	65°	35336.9	32413.9	29491.2	29037.8	28584.1	26291.4	23998.7
36215.3	67.5°	32835.8	29790.8	26745.5	26533.0	26320.3	24139.7	21959.1
32797.4	70°	29889.2	27166.1	24442.8	24347.5	24252.5	21880.5	19508.7
28608.3	72.5°	26430.2	24299.6	22168.9	22100.8	22032.4	19310.4	16588.7
23883.2	75°	22349.9	20692.3	19034.6	18781.7	18528.8	15711.8	12894.8
18804.1	77.5°	17716.7	16456.6	15196.4	14834.4	14472.5	11842.7	9213.1
13828.3	80°	13257.2	12305.9	11354.2	10904.3	10454.4	8242.3	6029.9
9083.9	82.5°	8845.6	8190.5	7535.5	7032.7	6530.2	5017.6	3505.2
5214.1	85°	5078.9	4540.8	4002.6	3575.1	3147.6	2344.9	1542.2
2043.8	87.5°	2032.3	1763.1	1494.0	1255.5	1017.0	747.2	477.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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