

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: P948832

Luminaire Tested: **GALN-SB3D-735-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948832  
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-SB3D-735-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

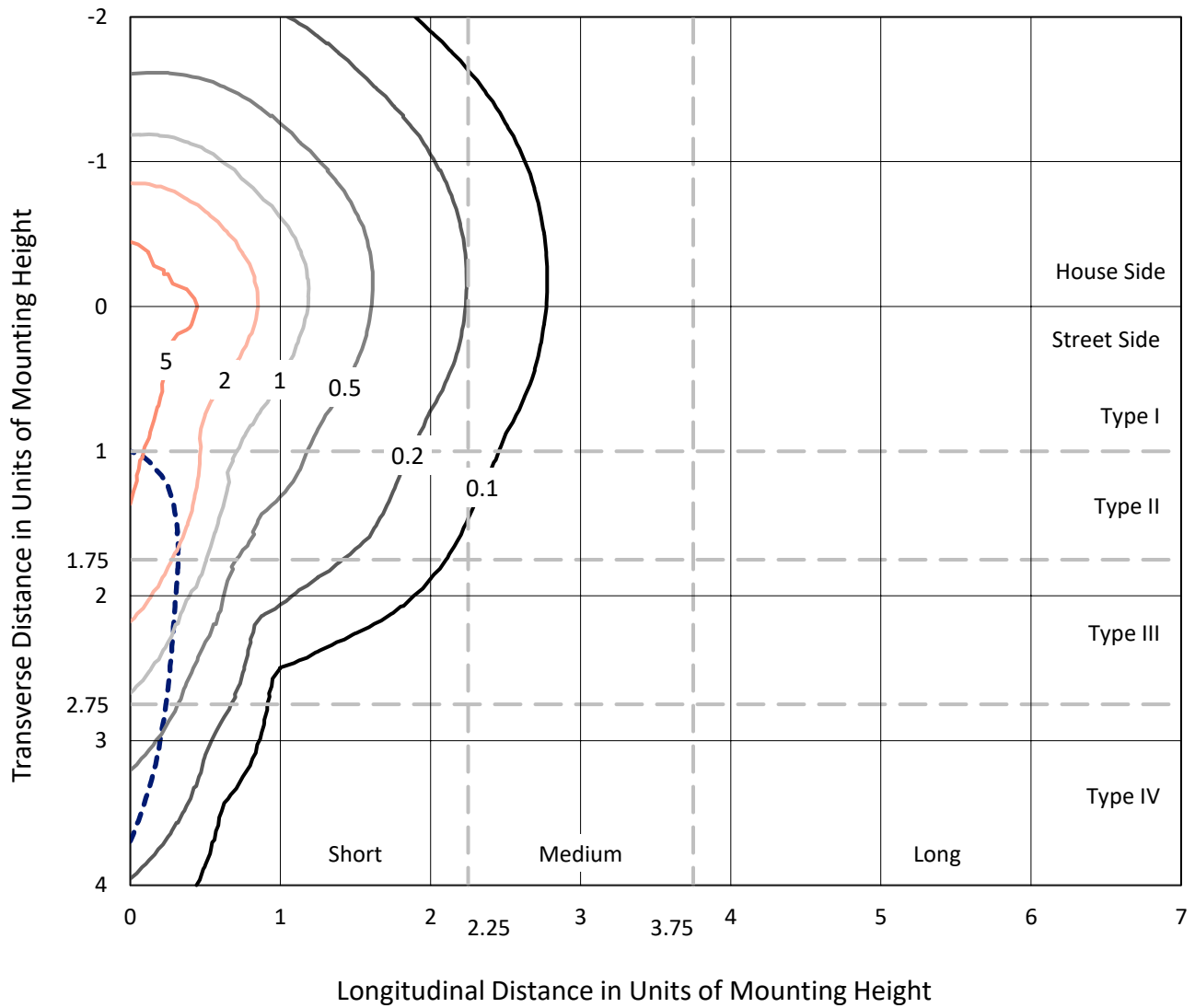
Lumens per Lamp: N/A  
Luminaire Lumens: 30422 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

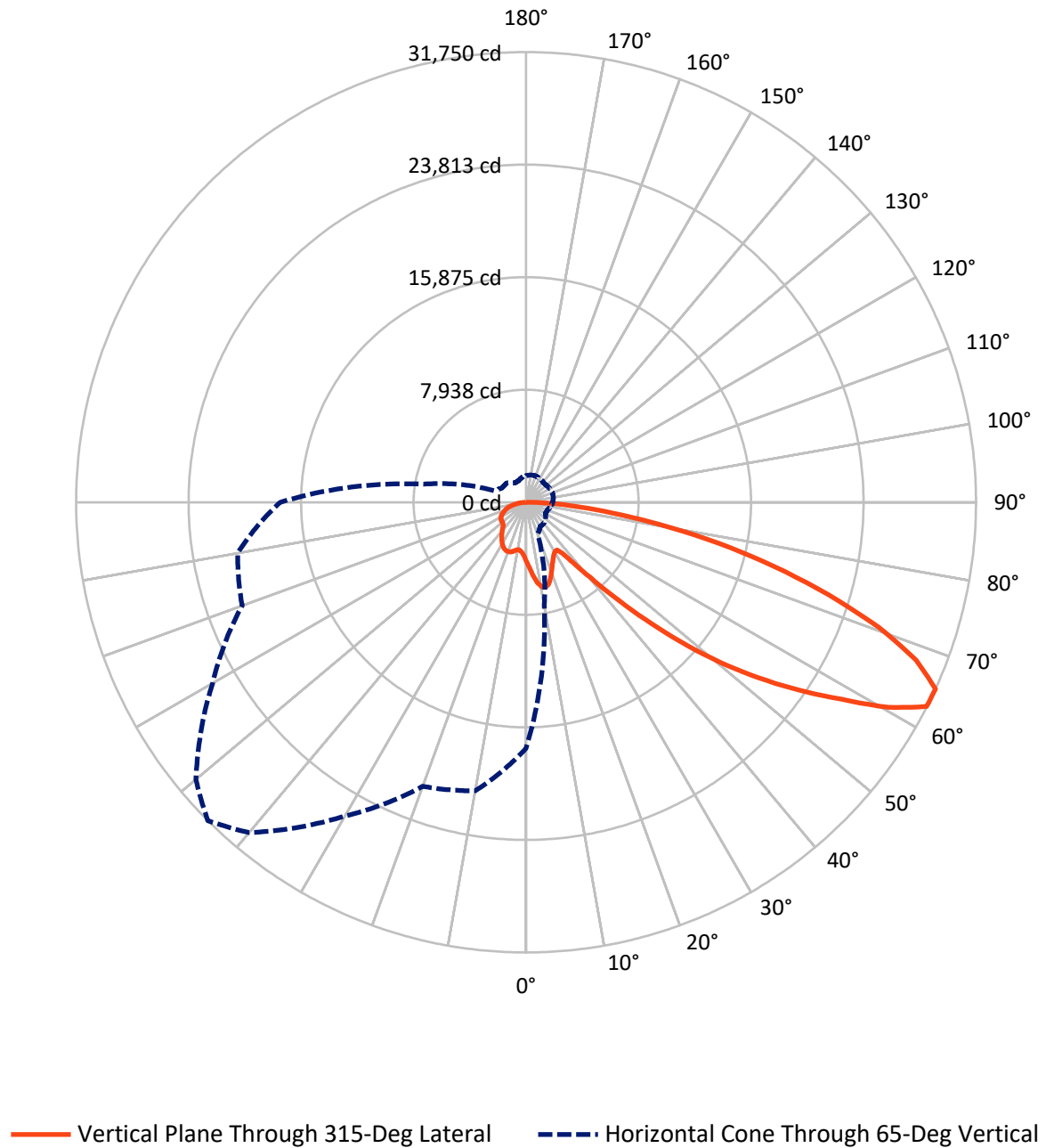
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	7731.7	0.0	7731.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	22690.3	0.0	22690.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	30422.0	0.0	30422.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	415.0	1.4
10°-20°	1302.7	4.3
20°-30°	2012.2	6.6
30°-40°	2550.0	8.4
40°-50°	3846.0	12.6
50°-60°	6213.9	20.4
60°-70°	7746.6	25.5
70°-80°	5079.8	16.7
80°-90°	1255.9	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°	30422.0	100.0
0°-180°	30422.0	100.0



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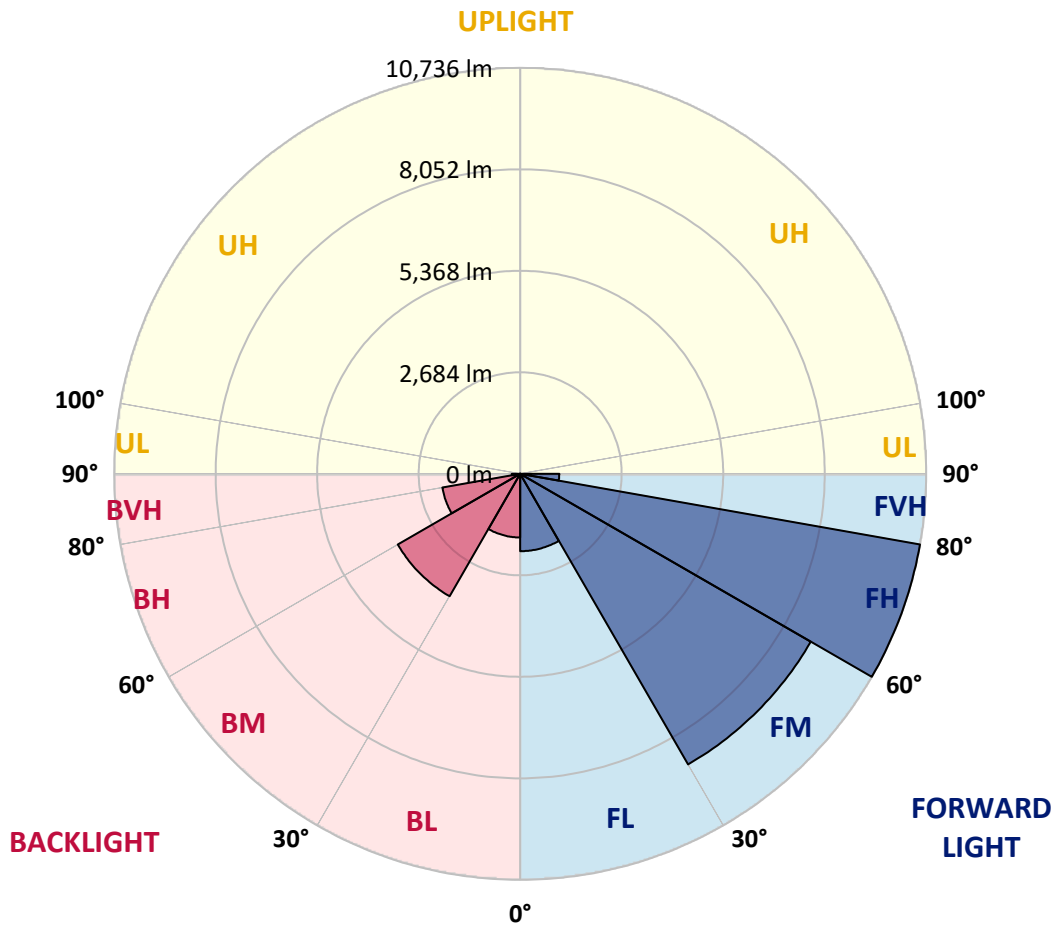
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2046.2	6.7			
FM (30°-60°)	8873.4	29.2			
FH (60°-80°)	10736.0	35.3			G4/12000
FVH (80°-90°)	1034.5	3.4			G5
BL (0°-30°)	1683.7	5.5	B3/2500		
BM (30°-60°)	3736.5	12.3	B3/5000		
BH (60°-80°)	2090.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	221.3	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
2.5°	4498.7	4464.2	4429.7	4392.9	4356.3	4319.4	4282.5	4247.2	4211.9	4177.7
5°	4837.4	4761.2	4684.9	4608.8	4532.9	4456.3	4379.9	4308.5	4237.1	4169.6
7.5°	5177.7	5051.9	4926.2	4810.0	4693.8	4580.6	4467.4	4367.7	4268.0	4176.1
10°	5438.6	5279.5	5120.4	4966.8	4813.3	4675.9	4538.4	4420.5	4302.4	4188.9
12.5°	5598.3	5423.5	5248.9	5074.8	4900.8	4738.7	4576.6	4443.2	4309.8	4190.5
15°	5695.4	5513.2	5331.0	5142.3	4953.5	4766.8	4580.1	4425.7	4271.3	4139.1
17.5°	5750.0	5565.2	5380.5	5174.5	4968.6	4751.9	4535.2	4349.4	4163.7	4008.3
20°	5810.2	5618.2	5426.1	5199.7	4973.4	4710.8	4448.2	4218.0	3987.8	3806.9
22.5°	5880.0	5683.9	5487.6	5233.8	4979.8	4660.4	4340.9	4063.7	3786.5	3580.5
25°	5969.9	5777.6	5585.5	5295.4	5005.2	4610.6	4216.2	3891.5	3566.9	3355.8
27.5°	6091.9	5908.6	5725.1	5391.7	5058.1	4577.4	4096.6	3734.0	3371.4	3179.2
30°	6256.5	6079.3	5902.2	5516.4	5130.7	4561.8	3992.6	3602.3	3212.1	3050.8
32.5°	6450.7	6275.3	6100.0	5646.6	5193.3	4542.5	3891.5	3488.9	3086.1	2956.1
35°	6686.7	6518.8	6350.7	5795.0	5239.2	4506.3	3773.6	3377.3	2981.0	2872.6
37.5°	7084.0	6869.8	6655.7	5961.1	5266.5	4444.1	3621.8	3246.0	2870.2	2775.5
40°	7684.3	7372.3	7060.2	6172.0	5283.7	4358.6	3433.6	3089.3	2745.0	2659.1
42.5°	8480.5	8030.1	7579.7	6448.0	5316.3	4270.3	3224.6	2916.4	2608.2	2529.1
45°	9463.8	8856.2	8248.6	6811.1	5373.6	4188.3	3003.1	2732.8	2462.5	2382.2
47.5°	10693.4	9838.3	8983.0	7198.0	5412.9	4120.5	2828.1	2587.5	2346.9	2243.3
50°	12305.1	11015.9	9726.5	7556.9	5387.2	4046.7	2706.1	2491.0	2275.9	2139.8
52.5°	14155.1	12252.9	10350.7	7790.0	5229.1	3922.0	2615.0	2427.5	2240.1	2083.6
55°	16124.8	13349.6	10574.6	7738.6	4902.4	3715.2	2528.0	2381.4	2234.8	2089.2
57.5°	17916.2	14126.9	10337.5	7377.1	4416.9	3423.7	2430.4	2326.8	2223.3	2094.9
60°	18999.0	14321.1	9643.1	6704.3	3765.6	3045.2	2324.7	2243.3	2162.0	2077.2
62.5°	18449.2	13503.2	8557.3	5794.6	3032.0	2592.2	2152.3	2098.2	2044.3	2033.9
65°	17348.8	12346.0	7343.2	4866.5	2389.9	2184.6	1979.3	1953.8	1928.2	1929.5
67.5°	15874.3	10968.8	6063.4	3957.3	1851.2	1792.9	1734.5	1748.8	1762.9	1759.4
70°	14102.9	9466.2	4829.4	3115.8	1402.2	1418.9	1435.4	1501.6	1567.5	1567.5
72.5°	11992.0	7837.2	3682.4	2382.0	1081.6	1131.9	1182.3	1276.0	1369.6	1385.3
75°	9321.7	5969.8	2617.8	1728.9	839.9	885.5	931.0	1036.0	1141.0	1213.6
77.5°	6660.2	4178.3	1696.4	1171.5	646.6	677.6	708.7	810.7	912.6	1032.2
80°	4359.1	2692.0	1025.0	754.8	484.8	497.6	510.5	596.8	683.0	825.9
82.5°	2533.9	1558.1	582.4	464.2	346.4	348.7	351.2	414.8	478.4	600.4
85°	1114.8	700.9	287.0	248.2	209.5	208.4	207.1	253.6	300.2	390.9
87.5°	345.1	229.6	114.0	102.9	91.8	90.7	89.6	108.5	127.6	165.3
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°
4183.3	0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
4139.6	2.5°	4108.8	4078.1	4050.4	4022.8	3998.5	3974.3	3949.9	3925.6	3906.9	3887.9
4103.0	5°	4044.9	3986.6	3937.8	3889.2	3846.2	3803.2	3764.2	3725.0	3695.0	3664.8
4089.9	7.5°	4012.5	3935.3	3871.1	3806.9	3752.8	3698.5	3650.7	3603.0	3567.2	3531.6
4096.3	10°	4014.7	3933.2	3869.0	3804.8	3746.5	3688.1	3634.3	3580.5	3537.8	3495.0
4104.3	12.5°	4037.5	3971.1	3928.4	3886.0	3840.1	3794.5	3738.8	3683.3	3628.7	3574.1
4070.1	15°	4038.2	4006.4	4012.2	4017.9	4006.1	3994.2	3945.9	3897.6	3819.9	3742.2
3965.8	17.5°	3977.5	3989.1	4059.0	4129.0	4166.3	4203.4	4164.3	4125.5	4022.6	3919.7
3795.6	20°	3850.2	3904.8	4026.3	4148.0	4225.8	4303.7	4285.7	4267.6	4149.9	4032.4
3602.5	22.5°	3683.3	3764.0	3902.7	4041.7	4143.0	4244.3	4255.2	4266.0	4153.6	4041.2
3415.2	25°	3508.3	3601.4	3726.1	3851.0	3950.7	4050.4	4087.6	4124.7	4032.6	3940.6
3251.4	27.5°	3341.3	3431.2	3533.8	3636.2	3716.2	3796.1	3837.5	3879.1	3813.4	3747.9
3107.4	30°	3178.7	3250.3	3335.4	3420.5	3486.8	3553.2	3586.9	3620.6	3570.7	3520.6
2981.3	32.5°	3023.5	3065.7	3133.6	3201.7	3265.2	3329.0	3366.4	3403.9	3358.0	3312.0
2862.2	35°	2873.7	2885.4	2937.3	2989.0	3051.9	3115.0	3159.9	3204.9	3172.1	3139.6
2737.3	37.5°	2724.4	2711.6	2748.8	2785.9	2848.7	2911.6	2967.1	3022.7	3007.6	2992.5
2600.5	40°	2571.5	2542.4	2569.2	2596.0	2656.7	2717.4	2781.3	2845.3	2849.0	2852.5
2455.2	42.5°	2416.7	2378.2	2400.0	2422.0	2479.5	2537.1	2606.1	2675.2	2693.6	2712.1
2310.8	45°	2273.2	2235.8	2254.1	2272.7	2327.3	2381.9	2453.5	2525.1	2551.5	2578.0
2181.9	47.5°	2150.4	2118.9	2136.3	2153.4	2206.9	2260.2	2330.8	2401.5	2432.0	2462.5
2068.4	50°	2040.4	2012.7	2039.6	2066.8	2117.2	2167.4	2230.7	2293.9	2333.1	2372.2
1983.8	52.5°	1956.2	1928.7	1969.3	2009.8	2056.0	2102.1	2161.0	2220.1	2266.5	2312.8
1938.8	55°	1895.2	1851.7	1909.3	1966.8	2016.5	2066.3	2118.0	2169.5	2218.6	2267.9
1911.9	57.5°	1848.3	1784.7	1846.7	1908.6	1967.1	2025.5	2076.6	2127.8	2177.4	2226.8
1886.5	60°	1804.1	1721.6	1776.1	1830.3	1897.4	1964.5	2016.4	2068.4	2118.1	2167.9
1857.0	62.5°	1753.9	1651.0	1685.5	1720.0	1798.2	1876.5	1931.9	1987.3	2032.9	2078.5
1794.7	65°	1685.2	1575.6	1588.9	1602.0	1685.8	1769.8	1822.8	1875.7	1915.9	1956.0
1683.6	67.5°	1592.4	1501.2	1497.1	1492.9	1570.3	1647.8	1698.0	1748.1	1782.8	1817.5
1542.6	70°	1477.8	1412.9	1398.5	1384.0	1452.1	1520.2	1563.5	1606.9	1638.2	1669.5
1385.7	72.5°	1341.2	1296.7	1275.5	1254.5	1308.1	1361.6	1400.7	1439.9	1470.6	1501.2
1207.5	75°	1173.3	1138.9	1118.7	1098.3	1138.1	1177.9	1213.4	1248.9	1276.8	1304.7
1029.0	77.5°	1001.5	974.1	953.5	933.0	965.4	997.7	1028.2	1058.7	1088.0	1117.3
825.4	80°	802.5	779.3	762.2	744.8	771.8	798.6	824.3	850.0	872.3	894.4
607.1	82.5°	595.9	584.6	572.4	560.2	558.0	555.7	546.7	537.8	585.3	632.8
399.7	85°	387.7	375.6	362.0	348.3	336.8	325.1	300.2	275.3	319.8	364.4
176.6	87.5°	171.8	166.9	164.4	161.8	161.3	160.8	141.9	122.8	141.4	160.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4183.3	0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
3872.7	2.5°	3857.4	3845.5	3833.7	3822.7	3811.7	3798.0	3811.7	3822.7	3833.7	3845.5
3643.8	5°	3622.7	3607.8	3592.9	3581.5	3570.1	3558.8	3570.1	3581.5	3592.9	3607.8
3506.5	7.5°	3481.5	3464.3	3447.3	3437.0	3426.9	3419.2	3426.9	3437.0	3447.3	3464.3
3467.0	10°	3438.8	3422.6	3406.3	3397.7	3389.0	3385.5	3389.0	3397.7	3406.3	3422.6
3538.0	12.5°	3501.9	3483.7	3465.7	3458.4	3451.0	3449.7	3451.0	3458.4	3465.7	3483.7
3687.3	15°	3632.4	3607.2	3582.1	3572.5	3562.9	3562.1	3562.9	3572.5	3582.1	3607.2
3838.8	17.5°	3757.9	3720.7	3683.3	3671.1	3658.7	3656.8	3658.7	3671.1	3683.3	3720.7
3933.2	20°	3834.1	3786.5	3738.6	3723.4	3708.1	3703.3	3708.1	3723.4	3738.6	3786.5
3939.1	22.5°	3836.9	3786.6	3736.2	3719.4	3702.5	3695.3	3702.5	3719.4	3736.2	3786.6
3849.7	25°	3759.2	3715.5	3672.0	3656.1	3640.4	3631.1	3640.4	3656.1	3672.0	3715.5
3677.5	27.5°	3607.0	3577.8	3548.4	3541.2	3534.0	3531.6	3534.0	3541.2	3548.4	3577.8
3470.2	30°	3419.5	3404.6	3389.5	3389.5	3389.5	3391.9	3389.5	3389.5	3389.5	3404.6
3271.7	32.5°	3231.4	3221.6	3211.8	3213.1	3214.5	3216.9	3214.5	3213.1	3211.8	3221.6
3102.3	35°	3065.2	3050.3	3035.5	3032.3	3029.1	3027.5	3029.1	3032.3	3035.5	3050.3
2958.3	37.5°	2924.0	2896.8	2869.9	2855.6	2841.3	2833.3	2841.3	2855.6	2869.9	2896.8
2823.5	40°	2794.4	2754.9	2715.8	2689.1	2662.8	2647.1	2662.8	2689.1	2715.8	2754.9
2687.5	42.5°	2663.1	2614.2	2565.2	2526.5	2487.8	2462.5	2487.8	2526.5	2565.2	2614.2
2555.9	45°	2533.9	2477.9	2422.0	2376.6	2331.1	2301.9	2331.1	2376.6	2422.0	2477.9
2447.0	47.5°	2431.6	2381.9	2332.1	2290.1	2248.2	2220.1	2248.2	2290.1	2332.1	2381.9
2371.3	50°	2370.6	2330.8	2291.0	2252.2	2213.3	2186.4	2213.3	2252.2	2291.0	2330.8
2321.2	52.5°	2329.5	2297.1	2264.7	2229.9	2195.2	2170.3	2195.2	2229.9	2264.7	2297.1
2279.5	55°	2291.0	2262.8	2234.5	2204.0	2173.5	2151.0	2173.5	2204.0	2234.5	2262.8
2238.5	57.5°	2250.2	2221.7	2193.1	2162.9	2132.6	2109.3	2132.6	2162.9	2193.1	2221.7
2180.7	60°	2193.6	2165.6	2137.9	2106.7	2075.6	2051.5	2075.6	2106.7	2137.9	2165.6
2090.8	62.5°	2103.2	2078.0	2052.8	2020.0	1987.3	1958.4	1987.3	2020.0	2052.8	2078.0
1968.7	65°	1981.2	1957.0	1932.7	1900.9	1869.3	1844.4	1869.3	1900.9	1932.7	1957.0
1829.8	67.5°	1842.0	1819.7	1797.6	1768.0	1738.5	1716.0	1738.5	1768.0	1797.6	1819.7
1681.3	70°	1693.2	1675.1	1656.9	1628.7	1600.4	1574.8	1600.4	1628.7	1656.9	1675.1
1515.4	72.5°	1529.5	1514.4	1499.3	1472.3	1445.5	1420.6	1445.5	1472.3	1499.3	1514.4
1319.5	75°	1334.3	1326.9	1319.5	1296.9	1274.2	1250.5	1274.2	1296.9	1319.5	1326.9
1131.1	77.5°	1144.9	1134.6	1124.0	1101.2	1078.4	1059.5	1078.4	1101.2	1124.0	1134.6
912.7	80°	931.0	926.6	922.2	891.6	860.7	825.1	860.7	891.6	922.2	926.6
663.9	82.5°	695.1	693.1	691.1	665.2	639.2	616.4	639.2	665.2	691.1	693.1
402.9	85°	441.4	438.2	435.0	414.8	394.6	374.0	394.6	414.8	435.0	438.2
175.8	87.5°	191.3	187.5	183.3	173.0	162.5	152.5	162.5	173.0	183.3	187.5
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4183.3	0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
3857.4	2.5°	3872.7	3887.9	3906.9	3925.6	3949.9	3974.3	3998.5	4022.8	4050.4	4078.1
3622.7	5°	3643.8	3664.8	3695.0	3725.0	3764.2	3803.2	3846.2	3889.2	3937.8	3986.6
3481.5	7.5°	3506.5	3531.6	3567.2	3603.0	3650.7	3698.5	3752.8	3806.9	3871.1	3935.3
3438.8	10°	3467.0	3495.0	3537.8	3580.5	3634.3	3688.1	3746.5	3804.8	3869.0	3933.2
3501.9	12.5°	3538.0	3574.1	3628.7	3683.3	3738.8	3794.5	3840.1	3886.0	3928.4	3971.1
3632.4	15°	3687.3	3742.2	3819.9	3897.6	3945.9	3994.2	4006.1	4017.9	4012.2	4006.4
3757.9	17.5°	3838.8	3919.7	4022.6	4125.5	4164.3	4203.4	4166.3	4129.0	4059.0	3989.1
3834.1	20°	3933.2	4032.4	4149.9	4267.6	4285.7	4303.7	4225.8	4148.0	4026.3	3904.8
3836.9	22.5°	3939.1	4041.2	4153.6	4266.0	4255.2	4244.3	4143.0	4041.7	3902.7	3764.0
3759.2	25°	3849.7	3940.6	4032.6	4124.7	4087.6	4050.4	3950.7	3851.0	3726.1	3601.4
3607.0	27.5°	3677.5	3747.9	3813.4	3879.1	3837.5	3796.1	3716.2	3636.2	3533.8	3431.2
3419.5	30°	3470.2	3520.6	3570.7	3620.6	3586.9	3553.2	3486.8	3420.5	3335.4	3250.3
3231.4	32.5°	3271.7	3312.0	3358.0	3403.9	3366.4	3329.0	3265.2	3201.7	3133.6	3065.7
3065.2	35°	3102.3	3139.6	3172.1	3204.9	3159.9	3115.0	3051.9	2989.0	2937.3	2885.4
2924.0	37.5°	2958.3	2992.5	3007.6	3022.7	2967.1	2911.6	2848.7	2785.9	2748.8	2711.6
2794.4	40°	2823.5	2852.5	2849.0	2845.3	2781.3	2717.4	2656.7	2596.0	2569.2	2542.4
2663.1	42.5°	2687.5	2712.1	2693.6	2675.2	2606.1	2537.1	2479.5	2422.0	2400.0	2378.2
2533.9	45°	2555.9	2578.0	2551.5	2525.1	2453.5	2381.9	2327.3	2272.7	2254.1	2235.8
2431.6	47.5°	2447.0	2462.5	2432.0	2401.5	2330.8	2260.2	2206.9	2153.4	2136.3	2118.9
2370.6	50°	2371.3	2372.2	2333.1	2293.9	2230.7	2167.4	2117.2	2066.8	2039.6	2012.7
2329.5	52.5°	2321.2	2312.8	2266.5	2220.1	2161.0	2102.1	2056.0	2009.8	1969.3	1928.7
2291.0	55°	2279.5	2267.9	2218.6	2169.5	2118.0	2066.3	2016.5	1966.8	1909.3	1851.7
2250.2	57.5°	2238.5	2226.8	2177.4	2127.8	2076.6	2025.5	1967.1	1908.6	1846.7	1784.7
2193.6	60°	2180.7	2167.9	2118.1	2068.4	2016.4	1964.5	1897.4	1830.3	1776.1	1721.6
2103.2	62.5°	2090.8	2078.5	2032.9	1987.3	1931.9	1876.5	1798.2	1720.0	1685.5	1651.0
1981.2	65°	1968.7	1956.0	1915.9	1875.7	1822.8	1769.8	1685.8	1602.0	1588.9	1575.6
1842.0	67.5°	1829.8	1817.5	1782.8	1748.1	1698.0	1647.8	1570.3	1492.9	1497.1	1501.2
1693.2	70°	1681.3	1669.5	1638.2	1606.9	1563.5	1520.2	1452.1	1384.0	1398.5	1412.9
1529.5	72.5°	1515.4	1501.2	1470.6	1439.9	1400.7	1361.6	1308.1	1254.5	1275.5	1296.7
1334.3	75°	1319.5	1304.7	1276.8	1248.9	1213.4	1177.9	1138.1	1098.3	1118.7	1138.9
1144.9	77.5°	1131.1	1117.3	1088.0	1058.7	1028.2	997.7	965.4	933.0	953.5	974.1
931.0	80°	912.7	894.4	872.3	850.0	824.3	798.6	771.8	744.8	762.2	779.3
695.1	82.5°	663.9	632.8	585.3	537.8	546.7	555.7	558.0	560.2	572.4	584.6
441.4	85°	402.9	364.4	319.8	275.3	300.2	325.1	336.8	348.3	362.0	375.6
191.3	87.5°	175.8	160.2	141.4	122.8	141.9	160.8	161.3	161.8	164.4	166.9
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°
4183.3	0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
4108.8	2.5°	4139.6	4177.7	4211.9	4247.2	4282.5	4319.4	4356.3	4392.9	4429.7	4464.2
4044.9	5°	4103.0	4169.6	4237.1	4308.5	4379.9	4456.3	4532.9	4608.8	4684.9	4761.2
4012.5	7.5°	4089.9	4176.1	4268.0	4367.7	4467.4	4580.6	4693.8	4810.0	4926.2	5051.9
4014.7	10°	4096.3	4188.9	4302.4	4420.5	4538.4	4675.9	4813.3	4966.8	5120.4	5279.5
4037.5	12.5°	4104.3	4190.5	4309.8	4443.2	4576.6	4738.7	4900.8	5074.8	5248.9	5423.5
4038.2	15°	4070.1	4139.1	4271.3	4425.7	4580.1	4766.8	4953.5	5142.3	5331.0	5513.2
3977.5	17.5°	3965.8	4008.3	4163.7	4349.4	4535.2	4751.9	4968.6	5174.5	5380.5	5565.2
3850.2	20°	3795.6	3806.9	3987.8	4218.0	4448.2	4710.8	4973.4	5199.7	5426.1	5618.2
3683.3	22.5°	3602.5	3580.5	3786.5	4063.7	4340.9	4660.4	4979.8	5233.8	5487.6	5683.9
3508.3	25°	3415.2	3355.8	3566.9	3891.5	4216.2	4610.6	5005.2	5295.4	5585.5	5777.6
3341.3	27.5°	3251.4	3179.2	3371.4	3734.0	4096.6	4577.4	5058.1	5391.7	5725.1	5908.6
3178.7	30°	3107.4	3050.8	3212.1	3602.3	3992.6	4561.8	5130.7	5516.4	5902.2	6079.3
3023.5	32.5°	2981.3	2956.1	3086.1	3488.9	3891.5	4542.5	5193.3	5646.6	6100.0	6275.3
2873.7	35°	2862.2	2872.6	2981.0	3377.3	3773.6	4506.3	5239.2	5795.0	6350.7	6518.8
2724.4	37.5°	2737.3	2775.5	2870.2	3246.0	3621.8	4444.1	5266.5	5961.1	6655.7	6869.8
2571.5	40°	2600.5	2659.1	2745.0	3089.3	3433.6	4358.6	5283.7	6172.0	7060.2	7372.3
2416.7	42.5°	2455.2	2529.1	2608.2	2916.4	3224.6	4270.3	5316.3	6448.0	7579.7	8030.1
2273.2	45°	2310.8	2382.2	2462.5	2732.8	3003.1	4188.3	5373.6	6811.1	8248.6	8856.2
2150.4	47.5°	2181.9	2243.3	2346.9	2587.5	2828.1	4120.5	5412.9	7198.0	8983.0	9838.3
2040.4	50°	2068.4	2139.8	2275.9	2491.0	2706.1	4046.7	5387.2	7556.9	9726.5	11015.9
1956.2	52.5°	1983.8	2083.6	2240.1	2427.5	2615.0	3922.0	5229.1	7790.0	10350.7	12252.9
1895.2	55°	1938.8	2089.2	2234.8	2381.4	2528.0	3715.2	4902.4	7738.6	10574.6	13349.6
1848.3	57.5°	1911.9	2094.9	2223.3	2326.8	2430.4	3423.7	4416.9	7377.1	10337.5	14126.9
1804.1	60°	1886.5	2077.2	2162.0	2243.3	2324.7	3045.2	3765.6	6704.3	9643.1	14321.1
1753.9	62.5°	1857.0	2033.9	2044.3	2098.2	2152.3	2592.2	3032.0	5794.6	8557.3	13503.2
1685.2	65°	1794.7	1929.5	1928.2	1953.8	1979.3	2184.6	2389.9	4866.5	7343.2	12346.0
1592.4	67.5°	1683.6	1759.4	1762.9	1748.8	1734.5	1792.9	1851.2	3957.3	6063.4	10968.8
1477.8	70°	1542.6	1567.5	1567.5	1501.6	1435.4	1418.9	1402.2	3115.8	4829.4	9466.2
1341.2	72.5°	1385.7	1385.3	1369.6	1276.0	1182.3	1131.9	1081.6	2382.0	3682.4	7837.2
1173.3	75°	1207.5	1213.6	1141.0	1036.0	931.0	885.5	839.9	1728.9	2617.8	5969.8
1001.5	77.5°	1029.0	1032.2	912.6	810.7	708.7	677.6	646.6	1171.5	1696.4	4178.3
802.5	80°	825.4	825.9	683.0	596.8	510.5	497.6	484.8	754.8	1025.0	2692.0
595.9	82.5°	607.1	600.4	478.4	414.8	351.2	348.7	346.4	464.2	582.4	1558.1
387.7	85°	399.7	390.9	300.2	253.6	207.1	208.4	209.5	248.2	287.0	700.9
171.8	87.5°	176.6	165.3	127.6	108.5	89.6	90.7	91.8	102.9	114.0	229.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4183.3	0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
4498.7	2.5°	4515.7	4532.9	4557.2	4581.4	4595.8	4610.3	4617.5	4624.7	4621.5	4624.7
4837.4	5°	4897.0	4956.7	5015.8	5075.0	5107.1	5139.2	5158.6	5178.2	5193.0	5178.2
5177.7	7.5°	5274.7	5371.5	5458.7	5545.8	5598.3	5650.8	5679.2	5707.5	5721.1	5707.5
5438.6	10°	5553.2	5667.8	5770.1	5872.3	5934.3	5995.9	6023.5	6051.0	6061.4	6051.0
5598.3	12.5°	5722.6	5846.6	5939.1	6031.3	6076.2	6121.1	6136.2	6151.3	6152.9	6151.3
5695.4	15°	5802.7	5909.7	5967.7	6025.8	6027.4	6029.0	6013.0	5996.9	5978.0	5996.9
5750.0	17.5°	5822.4	5894.8	5895.9	5896.9	5831.9	5766.9	5707.3	5647.6	5605.5	5647.6
5810.2	20°	5835.4	5860.8	5784.5	5708.3	5564.8	5421.3	5316.8	5212.3	5148.0	5212.3
5880.0	22.5°	5847.0	5813.9	5655.9	5498.0	5286.9	5075.8	4945.1	4814.5	4743.5	4814.5
5969.9	25°	5865.6	5761.2	5521.4	5281.6	5025.2	4768.9	4631.5	4494.4	4427.3	4494.4
6091.9	27.5°	5905.4	5718.7	5401.0	5083.5	4799.4	4515.3	4380.1	4245.1	4181.7	4245.1
6256.5	30°	5978.3	5700.3	5309.2	4918.2	4622.2	4326.2	4200.8	4075.4	4016.3	4075.4
6450.7	32.5°	6069.8	5689.0	5246.6	4804.2	4526.0	4247.8	4149.4	4050.9	4008.3	4050.9
6686.7	35°	6220.5	5754.5	5293.5	4832.6	4639.3	4446.2	4423.3	4400.3	4396.8	4400.3
7084.0	37.5°	6535.6	5987.3	5568.3	5149.3	5136.8	5124.3	5229.3	5334.3	5388.8	5334.3
7684.3	40°	7088.0	6491.6	6180.1	5868.5	6088.4	6308.3	6563.6	6818.8	6945.9	6818.8
8480.5	42.5°	7888.9	7297.2	7117.7	6938.2	7417.9	7897.5	8361.8	8826.0	9098.6	8826.0
9463.8	45°	8932.3	8400.6	8321.5	8242.2	9010.6	9779.2	10542.0	11305.0	11768.1	11305.0
10693.4	47.5°	10176.3	9659.1	9643.1	9627.0	10735.6	11843.9	12960.6	14077.3	14733.0	14077.3
12305.1	50°	11666.3	11027.8	11030.5	11033.2	12461.9	13890.6	15364.7	16838.8	17730.0	16838.8
14155.1	52.5°	13381.7	12608.5	12530.3	12451.9	14158.5	15865.0	17688.9	19512.6	20580.9	19512.6
16124.8	55°	15360.7	14596.6	14291.7	13986.9	15886.2	17785.4	19959.7	22134.0	23404.6	22134.0
17916.2	57.5°	17500.1	17083.9	16472.5	15861.2	17779.0	19696.8	22159.5	24622.2	26197.7	24622.2
18999.0	60°	19645.2	20291.7	19532.4	18773.1	20588.0	22402.9	25039.7	27676.5	29379.3	27676.5
18449.2	62.5°	20215.1	21981.0	21895.5	21809.8	23472.3	25135.0	27643.7	30152.3	31726.2	30152.3
17348.8	65°	19006.2	20663.6	20991.6	21319.4	23432.2	25545.2	27977.8	30410.2	31750.3	30410.2
15874.3	67.5°	17450.7	19027.1	19180.8	19334.5	21535.9	23737.2	26180.2	28623.3	29673.1	28623.3
14102.9	70°	15817.5	17532.2	17600.9	17669.8	19638.5	21607.0	23709.4	25811.7	26395.2	25811.7
11992.0	72.5°	13959.6	15927.3	15976.8	16026.0	17566.3	19106.5	20681.1	22255.5	22314.6	22255.5
9321.7	75°	11358.1	13394.5	13577.4	13760.2	14958.5	16156.9	17265.3	18373.7	18076.7	18373.7
6660.2	77.5°	8561.1	10462.2	10723.9	10985.5	11896.5	12807.5	13593.6	14379.8	13869.4	14379.8
4359.1	80°	5958.4	7557.5	7882.8	8208.0	8896.0	9583.7	9996.5	10409.3	9588.2	10409.3
2533.9	82.5°	3627.2	4720.7	5084.0	5447.4	5921.0	6394.5	6566.8	6738.8	6093.5	6738.8
1114.8	85°	1695.1	2275.4	2584.5	2893.5	3282.6	3671.5	3769.3	3867.1	3350.2	3867.1
345.1	87.5°	540.2	735.2	907.6	1080.0	1274.6	1469.1	1477.5	1485.7	1247.3	1485.7
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):**

325°		330°	335°	340°	345°	350°	355°	360°
4183.3	0°	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3	4183.3
4617.5	2.5°	4610.3	4595.8	4581.4	4557.2	4532.9	4515.7	4498.7
5158.6	5°	5139.2	5107.1	5075.0	5015.8	4956.7	4897.0	4837.4
5679.2	7.5°	5650.8	5598.3	5545.8	5458.7	5371.5	5274.7	5177.7
6023.5	10°	5995.9	5934.3	5872.3	5770.1	5667.8	5553.2	5438.6
6136.2	12.5°	6121.1	6076.2	6031.3	5939.1	5846.6	5722.6	5598.3
6013.0	15°	6029.0	6027.4	6025.8	5967.7	5909.7	5802.7	5695.4
5707.3	17.5°	5766.9	5831.9	5896.9	5895.9	5894.8	5822.4	5750.0
5316.8	20°	5421.3	5564.8	5708.3	5784.5	5860.8	5835.4	5810.2
4945.1	22.5°	5075.8	5286.9	5498.0	5655.9	5813.9	5847.0	5880.0
4631.5	25°	4768.9	5025.2	5281.6	5521.4	5761.2	5865.6	5969.9
4380.1	27.5°	4515.3	4799.4	5083.5	5401.0	5718.7	5905.4	6091.9
4200.8	30°	4326.2	4622.2	4918.2	5309.2	5700.3	5978.3	6256.5
4149.4	32.5°	4247.8	4526.0	4804.2	5246.6	5689.0	6069.8	6450.7
4423.3	35°	4446.2	4639.3	4832.6	5293.5	5754.5	6220.5	6686.7
5229.3	37.5°	5124.3	5136.8	5149.3	5568.3	5987.3	6535.6	7084.0
6563.6	40°	6308.3	6088.4	5868.5	6180.1	6491.6	7088.0	7684.3
8361.8	42.5°	7897.5	7417.9	6938.2	7117.7	7297.2	7888.9	8480.5
10542.0	45°	9779.2	9010.6	8242.2	8321.5	8400.6	8932.3	9463.8
12960.6	47.5°	11843.9	10735.6	9627.0	9643.1	9659.1	10176.3	10693.4
15364.7	50°	13890.6	12461.9	11033.2	11030.5	11027.8	11666.3	12305.1
17688.9	52.5°	15865.0	14158.5	12451.9	12530.3	12608.5	13381.7	14155.1
19959.7	55°	17785.4	15886.2	13986.9	14291.7	14596.6	15360.7	16124.8
22159.5	57.5°	19696.8	17779.0	15861.2	16472.5	17083.9	17500.1	17916.2
25039.7	60°	22402.9	20588.0	18773.1	19532.4	20291.7	19645.2	18999.0
27643.7	62.5°	25135.0	23472.3	21809.8	21895.5	21981.0	20215.1	18449.2
27977.8	65°	25545.2	23432.2	21319.4	20991.6	20663.6	19006.2	17348.8
26180.2	67.5°	23737.2	21535.9	19334.5	19180.8	19027.1	17450.7	15874.3
23709.4	70°	21607.0	19638.5	17669.8	17600.9	17532.2	15817.5	14102.9
20681.1	72.5°	19106.5	17566.3	16026.0	15976.8	15927.3	13959.6	11992.0
17265.3	75°	16156.9	14958.5	13760.2	13577.4	13394.5	11358.1	9321.7
13593.6	77.5°	12807.5	11896.5	10985.5	10723.9	10462.2	8561.1	6660.2
9996.5	80°	9583.7	8896.0	8208.0	7882.8	7557.5	5958.4	4359.1
6566.8	82.5°	6394.5	5921.0	5447.4	5084.0	4720.7	3627.2	2533.9
3769.3	85°	3671.5	3282.6	2893.5	2584.5	2275.4	1695.1	1114.8
1477.5	87.5°	1469.1	1274.6	1080.0	907.6	735.2	540.2	345.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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