

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: P951079

Luminaire Tested: **GALN-SB5B-830-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P951079  
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-SB5B-830-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

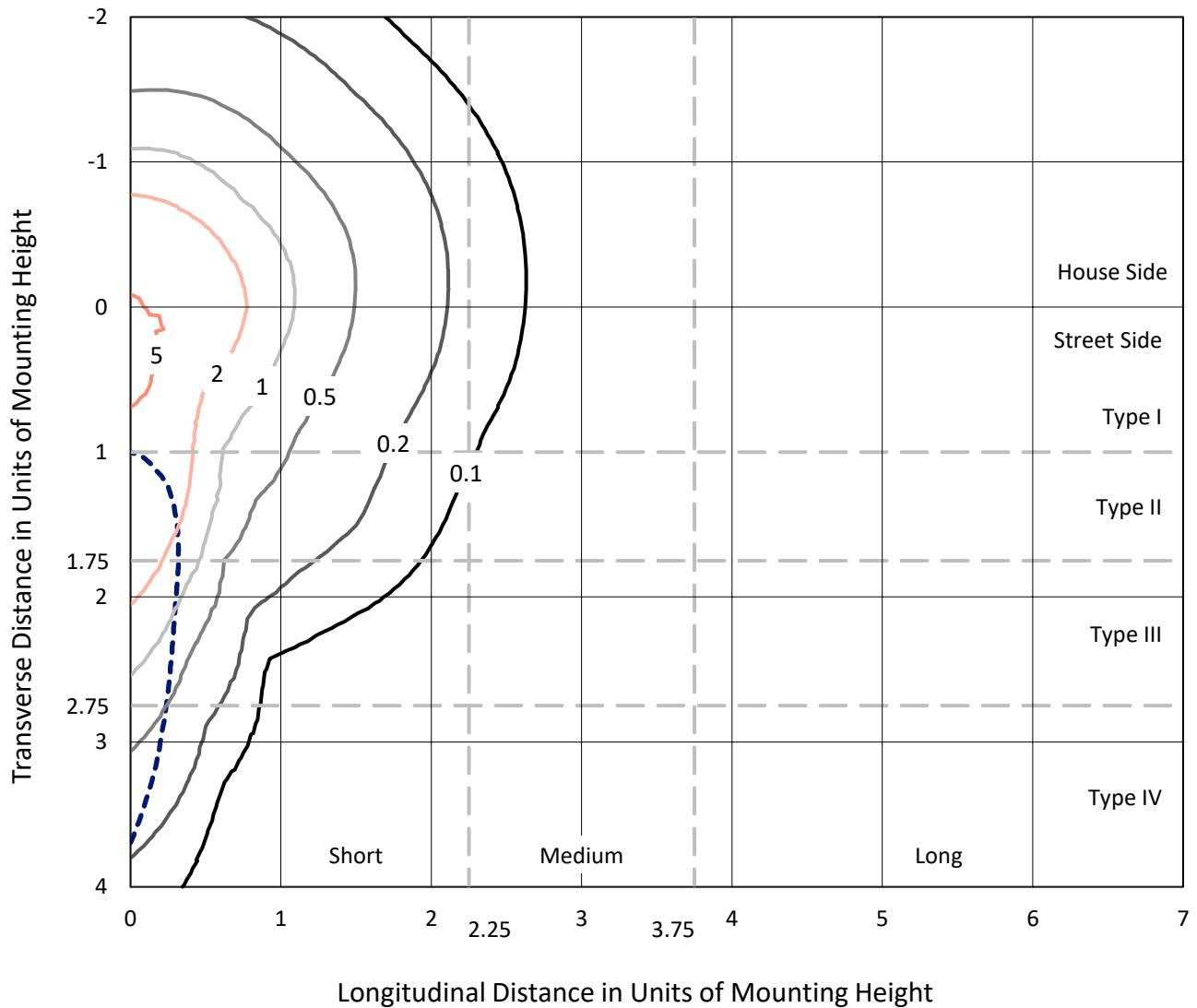
Lumens per Lamp: N/A  
Luminaire Lumens: 25468 lumens  
Efficiency: N/A  
Efficacy: 139.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

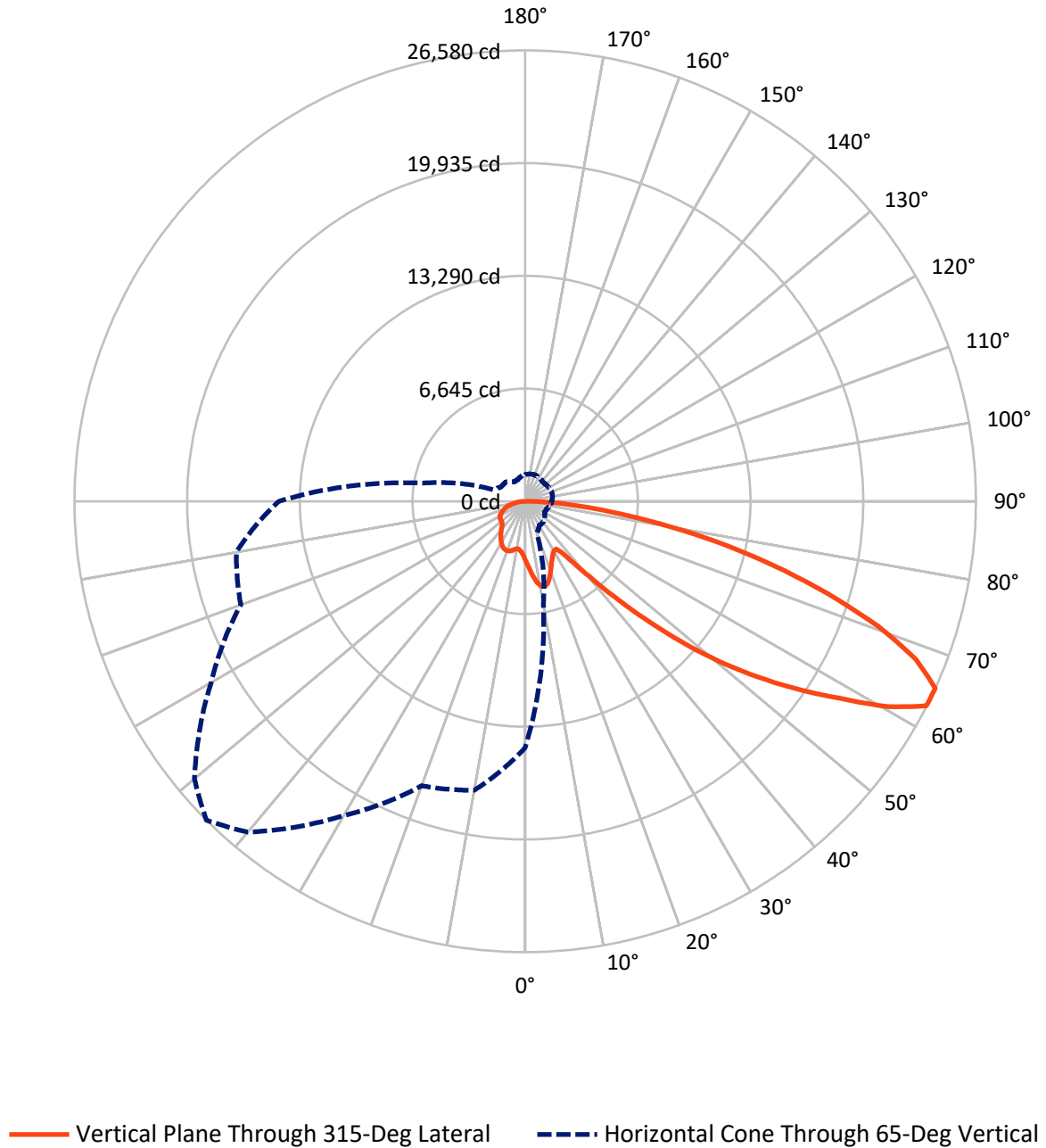
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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	6472.7	0.0	6472.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	18995.3	0.0	18995.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	25468.0	0.0	25468.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	347.4	1.4
10°-20°	1090.6	4.3
20°-30°	1684.6	6.6
30°-40°	2134.7	8.4
40°-50°	3219.7	12.6
50°-60°	5202.0	20.4
60°-70°	6485.1	25.5
70°-80°	4252.6	16.7
80°-90°	1051.3	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°	25468.0	100.0
0°-180°	25468.0	100.0

**Coefficient of Utilization**



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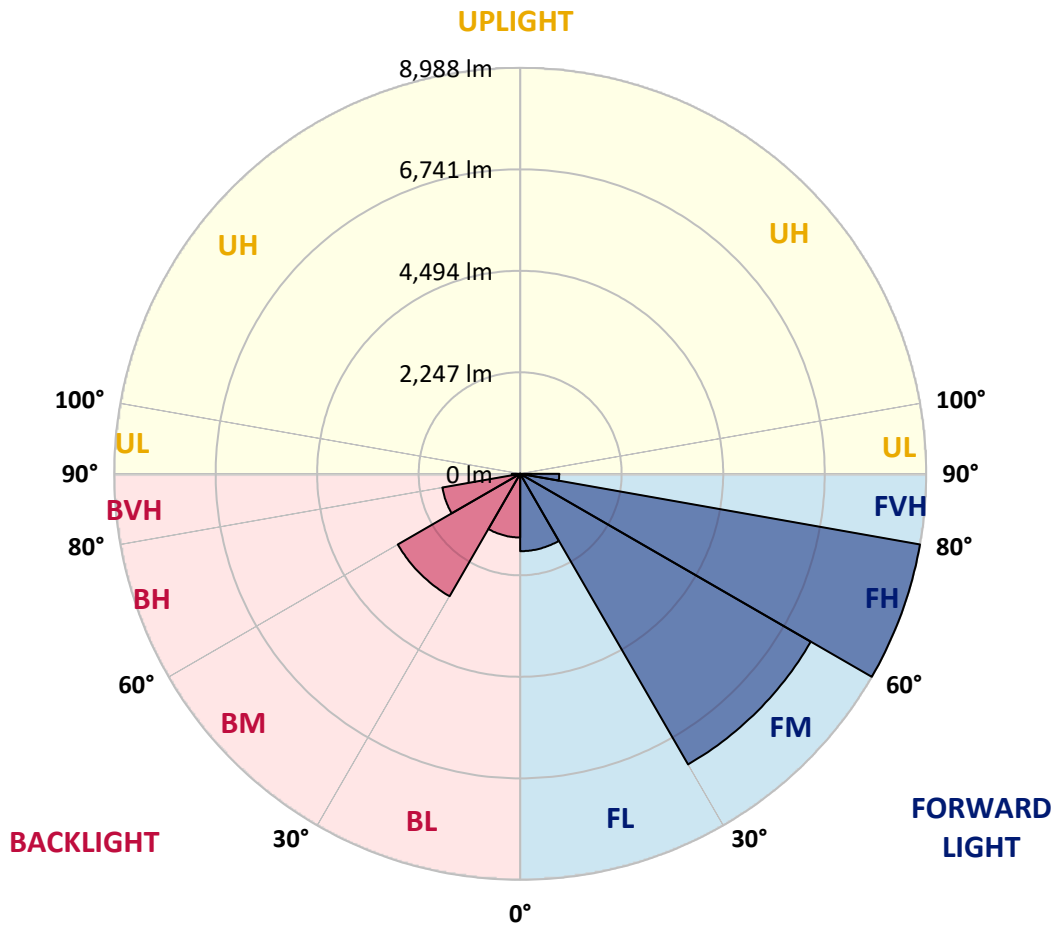
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1713.0	6.7			
FM (30°-60°)	7428.5	29.2			
FH (60°-80°)	8987.8	35.3			G4/12000
FVH (80°-90°)	866.1	3.4			G5
BL (0°-30°)	1409.5	5.5	B3/2500		
BM (30°-60°)	3128.0	12.3	B3/5000		
BH (60°-80°)	1749.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	185.3	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°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
2.5°	3766.1	3737.2	3708.4	3677.6	3646.9	3616.0	3585.1	3555.6	3526.0	3497.4
5°	4049.7	3985.9	3922.0	3858.3	3794.8	3730.7	3666.7	3606.9	3547.1	3490.6
7.5°	4334.6	4229.2	4124.0	4026.7	3929.4	3834.7	3739.9	3656.5	3573.0	3496.0
10°	4553.0	4419.8	4286.6	4158.0	4029.5	3914.5	3799.3	3700.7	3601.8	3506.8
12.5°	4686.7	4540.3	4394.1	4248.4	4102.8	3967.0	3831.3	3719.6	3608.0	3508.1
15°	4768.0	4615.4	4462.9	4304.9	4146.8	3990.6	3834.3	3705.0	3575.7	3465.1
17.5°	4813.7	4659.0	4504.3	4331.9	4159.5	3978.1	3796.6	3641.2	3485.7	3355.6
20°	4864.1	4703.3	4542.5	4353.0	4163.5	3943.7	3723.8	3531.1	3338.4	3186.9
22.5°	4922.5	4758.3	4593.9	4381.5	4168.9	3901.5	3634.0	3402.0	3169.9	2997.5
25°	4997.8	4836.8	4675.9	4433.1	4190.1	3859.8	3529.6	3257.8	2986.0	2809.3
27.5°	5099.9	4946.4	4792.8	4513.7	4234.5	3832.0	3429.5	3125.9	2822.4	2661.5
30°	5237.6	5089.3	4941.1	4618.1	4295.2	3818.9	3342.4	3015.7	2689.0	2554.0
32.5°	5400.3	5253.4	5106.6	4727.1	4347.6	3802.8	3257.8	2920.7	2583.5	2474.7
35°	5597.8	5457.2	5316.5	4851.3	4386.1	3772.5	3159.1	2827.3	2495.5	2404.8
37.5°	5930.4	5751.1	5571.9	4990.4	4408.9	3720.4	3032.0	2717.4	2402.8	2323.5
40°	6433.0	6171.8	5910.5	5167.0	4423.3	3648.8	2874.5	2586.2	2298.0	2226.1
42.5°	7099.6	6722.5	6345.4	5398.0	4450.6	3574.9	2699.5	2441.5	2183.5	2117.2
45°	7922.7	7414.0	6905.4	5701.9	4498.5	3506.2	2514.1	2287.8	2061.5	1994.3
47.5°	8952.0	8236.2	7520.2	6025.8	4531.5	3449.5	2367.6	2166.1	1964.7	1878.0
50°	10301.3	9222.0	8142.6	6326.3	4510.0	3387.7	2265.5	2085.4	1905.3	1791.4
52.5°	11850.1	10257.6	8665.1	6521.4	4377.6	3283.3	2189.1	2032.2	1875.3	1744.3
55°	13499.0	11175.7	8852.6	6478.4	4104.1	3110.2	2116.3	1993.6	1870.9	1749.0
57.5°	14998.7	11826.4	8654.1	6175.8	3697.6	2866.2	2034.6	1947.9	1861.2	1753.7
60°	15905.1	11989.0	8072.8	5612.6	3152.4	2549.3	1946.2	1878.0	1809.9	1738.9
62.5°	15444.9	11304.3	7163.8	4851.0	2538.3	2170.0	1801.8	1756.5	1711.4	1702.7
65°	14523.6	10335.5	6147.4	4074.0	2000.7	1828.8	1657.0	1635.6	1614.2	1615.3
67.5°	13289.3	9182.7	5076.0	3312.9	1549.7	1500.9	1452.0	1464.0	1475.8	1472.9
70°	11806.4	7924.7	4043.0	2608.4	1173.9	1187.8	1201.7	1257.0	1312.3	1312.3
72.5°	10039.2	6560.9	3082.8	1994.1	905.5	947.5	989.7	1068.2	1146.6	1159.7
75°	7803.7	4997.6	2191.5	1447.3	703.1	741.3	779.4	867.3	955.2	1015.9
77.5°	5575.6	3497.9	1420.2	980.7	541.3	567.2	593.3	678.6	764.0	864.1
80°	3649.2	2253.6	858.0	631.9	405.8	416.6	427.3	499.6	571.8	691.4
82.5°	2121.3	1304.3	487.5	388.6	290.0	291.9	294.0	347.3	400.5	502.6
85°	933.3	586.7	240.3	207.8	175.4	174.4	173.4	212.3	251.3	327.2
87.5°	288.9	192.2	95.4	86.1	76.9	75.9	75.0	90.8	106.8	138.4
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°
3502.1	0°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
3465.5	2.5°	3439.7	3414.0	3390.8	3367.7	3347.4	3327.1	3306.7	3286.4	3270.7	3254.8
3434.9	5°	3386.2	3337.4	3296.6	3255.9	3219.9	3183.8	3151.2	3118.4	3093.3	3068.0
3423.9	7.5°	3359.1	3294.4	3240.7	3186.9	3141.6	3096.2	3056.2	3016.3	2986.3	2956.5
3429.2	10°	3361.0	3292.7	3238.9	3185.2	3136.4	3087.5	3042.5	2997.5	2961.7	2925.8
3436.0	12.5°	3380.0	3324.4	3288.7	3253.2	3214.8	3176.6	3130.0	3083.5	3037.8	2992.1
3407.3	15°	3380.6	3354.0	3358.8	3363.7	3353.7	3343.8	3303.3	3262.9	3197.8	3132.8
3320.0	17.5°	3329.8	3339.5	3398.1	3456.6	3487.8	3518.9	3486.2	3453.7	3367.6	3281.4
3177.5	20°	3223.2	3268.9	3370.6	3472.5	3537.7	3602.9	3587.8	3572.6	3474.1	3375.7
3015.9	22.5°	3083.5	3151.1	3267.2	3383.5	3468.3	3553.1	3562.3	3571.3	3477.2	3383.1
2859.0	25°	2937.0	3014.9	3119.3	3223.9	3307.3	3390.8	3422.0	3453.0	3375.9	3298.9
2722.0	27.5°	2797.2	2872.5	2958.3	3044.1	3111.0	3177.9	3212.6	3247.4	3192.4	3137.6
2601.4	30°	2661.1	2721.0	2792.2	2863.5	2919.0	2974.6	3002.8	3031.1	2989.3	2947.3
2495.8	32.5°	2531.1	2566.5	2623.3	2680.3	2733.5	2786.9	2818.2	2849.6	2811.2	2772.6
2396.1	35°	2405.8	2415.6	2459.0	2502.2	2554.9	2607.7	2645.4	2683.0	2655.6	2628.3
2291.5	37.5°	2280.8	2270.0	2301.2	2332.2	2384.8	2437.5	2484.0	2530.5	2517.8	2505.2
2177.0	40°	2152.7	2128.4	2150.8	2173.3	2224.1	2274.9	2328.4	2382.0	2385.1	2388.0
2055.4	42.5°	2023.2	1990.9	2009.2	2027.6	2075.7	2124.0	2181.7	2239.5	2255.0	2270.4
1934.5	45°	1903.0	1871.7	1887.0	1902.6	1948.3	1994.0	2053.9	2113.9	2136.0	2158.2
1826.6	47.5°	1800.2	1773.9	1788.4	1802.8	1847.5	1892.1	1951.3	2010.4	2035.9	2061.5
1731.5	50°	1708.2	1684.9	1707.5	1730.2	1772.4	1814.5	1867.4	1920.4	1953.1	1985.9
1660.7	52.5°	1637.6	1614.6	1648.6	1682.5	1721.2	1759.8	1809.1	1858.5	1897.4	1936.2
1623.1	55°	1586.5	1550.1	1598.4	1646.5	1688.1	1729.8	1773.1	1816.2	1857.3	1898.6
1600.5	57.5°	1547.3	1494.1	1546.0	1597.8	1646.8	1695.7	1738.4	1781.3	1822.8	1864.2
1579.3	60°	1510.4	1441.3	1486.8	1532.3	1588.4	1644.6	1688.0	1731.5	1773.2	1814.9
1554.6	62.5°	1468.3	1382.1	1411.0	1439.9	1505.4	1571.0	1617.3	1663.7	1701.8	1740.0
1502.4	65°	1410.8	1319.0	1330.1	1341.2	1411.3	1481.6	1525.9	1570.3	1603.9	1637.5
1409.4	67.5°	1333.1	1256.8	1253.3	1249.8	1314.6	1379.5	1421.5	1463.5	1492.5	1521.5
1291.4	70°	1237.1	1182.9	1170.8	1158.7	1215.6	1272.6	1308.9	1345.2	1371.4	1397.6
1160.0	72.5°	1122.8	1085.6	1067.8	1050.2	1095.1	1139.9	1172.6	1205.4	1231.1	1256.8
1010.8	75°	982.2	953.5	936.5	919.5	952.8	986.1	1015.8	1045.5	1068.9	1092.3
861.4	77.5°	838.4	815.4	798.2	781.0	808.2	835.2	860.7	886.3	910.9	935.3
691.0	80°	671.8	652.4	638.1	623.5	646.1	668.6	690.1	711.6	730.2	748.8
508.2	82.5°	498.8	489.4	479.2	469.0	467.1	465.2	457.7	450.2	490.0	529.7
334.6	85°	324.5	314.5	303.0	291.6	281.9	272.1	251.3	230.5	267.7	305.1
147.8	87.5°	143.8	139.8	137.6	135.5	135.1	134.7	118.8	102.8	118.4	134.1
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°
3502.1	0°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
3242.0	2.5°	3229.3	3219.3	3209.4	3200.2	3191.0	3179.5	3191.0	3200.2	3209.4	3219.3
3050.4	5°	3032.8	3020.3	3007.8	2998.3	2988.7	2979.3	2988.7	2998.3	3007.8	3020.3
2935.5	7.5°	2914.5	2900.2	2885.9	2877.3	2868.8	2862.4	2868.8	2877.3	2885.9	2900.2
2902.4	10°	2878.8	2865.2	2851.6	2844.4	2837.1	2834.2	2837.1	2844.4	2851.6	2865.2
2961.8	12.5°	2931.6	2916.4	2901.4	2895.2	2889.0	2887.9	2889.0	2895.2	2901.4	2916.4
3086.8	15°	3040.9	3019.8	2998.8	2990.7	2982.7	2982.0	2982.7	2990.7	2998.8	3019.8
3213.7	17.5°	3145.9	3114.8	3083.5	3073.2	3062.9	3061.3	3062.9	3073.2	3083.5	3114.8
3292.7	20°	3209.8	3169.9	3129.8	3117.1	3104.3	3100.3	3104.3	3117.1	3129.8	3169.9
3297.7	22.5°	3212.1	3170.0	3127.8	3113.7	3099.6	3093.5	3099.6	3113.7	3127.8	3170.0
3222.8	25°	3147.0	3110.5	3074.1	3060.7	3047.6	3039.8	3047.6	3060.7	3074.1	3110.5
3078.6	27.5°	3019.6	2995.2	2970.6	2964.5	2958.5	2956.5	2958.5	2964.5	2970.6	2995.2
2905.1	30°	2862.7	2850.2	2837.5	2837.5	2837.5	2839.6	2837.5	2837.5	2837.5	2850.2
2738.9	32.5°	2705.2	2697.0	2688.8	2689.8	2691.1	2693.1	2691.1	2689.8	2688.8	2697.0
2597.1	35°	2566.1	2553.6	2541.2	2538.5	2535.8	2534.5	2535.8	2538.5	2541.2	2553.6
2476.6	37.5°	2447.8	2425.1	2402.5	2390.6	2378.6	2371.9	2378.6	2390.6	2402.5	2425.1
2363.7	40°	2339.4	2306.3	2273.5	2251.2	2229.2	2216.0	2229.2	2251.2	2273.5	2306.3
2249.9	42.5°	2229.4	2188.5	2147.5	2115.1	2082.7	2061.5	2082.7	2115.1	2147.5	2188.5
2139.7	45°	2121.3	2074.4	2027.6	1989.6	1951.5	1927.1	1951.5	1989.6	2027.6	2074.4
2048.6	47.5°	2035.7	1994.0	1952.3	1917.1	1882.1	1858.5	1882.1	1917.1	1952.3	1994.0
1985.1	50°	1984.6	1951.3	1917.9	1885.4	1852.9	1830.3	1852.9	1885.4	1917.9	1951.3
1943.2	52.5°	1950.2	1923.0	1895.9	1866.7	1837.7	1816.9	1837.7	1866.7	1895.9	1923.0
1908.3	55°	1917.9	1894.3	1870.6	1845.1	1819.6	1800.8	1819.6	1845.1	1870.6	1894.3
1874.0	57.5°	1883.8	1859.9	1836.0	1810.7	1785.3	1765.8	1785.3	1810.7	1836.0	1859.9
1825.6	60°	1836.4	1813.0	1789.7	1763.7	1737.6	1717.4	1737.6	1763.7	1789.7	1813.0
1750.4	62.5°	1760.7	1739.6	1718.5	1691.1	1663.7	1639.5	1663.7	1691.1	1718.5	1739.6
1648.1	65°	1658.6	1638.3	1618.0	1591.4	1564.9	1544.1	1564.9	1591.4	1618.0	1638.3
1531.9	67.5°	1542.1	1523.4	1504.8	1480.1	1455.4	1436.6	1455.4	1480.1	1504.8	1523.4
1407.5	70°	1417.5	1402.3	1387.1	1363.5	1339.8	1318.3	1339.8	1363.5	1387.1	1402.3
1268.6	72.5°	1280.4	1267.8	1255.2	1232.6	1210.1	1189.3	1210.1	1232.6	1255.2	1267.8
1104.6	75°	1117.0	1110.8	1104.6	1085.7	1066.7	1046.9	1066.7	1085.7	1104.6	1110.8
946.9	77.5°	958.4	949.8	941.0	921.9	902.8	886.9	902.8	921.9	941.0	949.8
764.1	80°	779.4	775.7	772.0	746.4	720.6	690.7	720.6	746.4	772.0	775.7
555.8	82.5°	581.9	580.3	578.5	556.9	535.1	516.0	535.1	556.9	578.5	580.3
337.3	85°	369.6	366.9	364.2	347.3	330.3	313.1	330.3	347.3	364.2	366.9
147.2	87.5°	160.2	157.0	153.5	144.9	136.0	127.7	136.0	144.9	153.5	157.0
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°
3502.1	0°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
3229.3	2.5°	3242.0	3254.8	3270.7	3286.4	3306.7	3327.1	3347.4	3367.7	3390.8	3414.0
3032.8	5°	3050.4	3068.0	3093.3	3118.4	3151.2	3183.8	3219.9	3255.9	3296.6	3337.4
2914.5	7.5°	2935.5	2956.5	2986.3	3016.3	3056.2	3096.2	3141.6	3186.9	3240.7	3294.4
2878.8	10°	2902.4	2925.8	2961.7	2997.5	3042.5	3087.5	3136.4	3185.2	3238.9	3292.7
2931.6	12.5°	2961.8	2992.1	3037.8	3083.5	3130.0	3176.6	3214.8	3253.2	3288.7	3324.4
3040.9	15°	3086.8	3132.8	3197.8	3262.9	3303.3	3343.8	3353.7	3363.7	3358.8	3354.0
3145.9	17.5°	3213.7	3281.4	3367.6	3453.7	3486.2	3518.9	3487.8	3456.6	3398.1	3339.5
3209.8	20°	3292.7	3375.7	3474.1	3572.6	3587.8	3602.9	3537.7	3472.5	3370.6	3268.9
3212.1	22.5°	3297.7	3383.1	3477.2	3571.3	3562.3	3553.1	3468.3	3383.5	3267.2	3151.1
3147.0	25°	3222.8	3298.9	3375.9	3453.0	3422.0	3390.8	3307.3	3223.9	3119.3	3014.9
3019.6	27.5°	3078.6	3137.6	3192.4	3247.4	3212.6	3177.9	3111.0	3044.1	2958.3	2872.5
2862.7	30°	2905.1	2947.3	2989.3	3031.1	3002.8	2974.6	2919.0	2863.5	2792.2	2721.0
2705.2	32.5°	2738.9	2772.6	2811.2	2849.6	2818.2	2786.9	2733.5	2680.3	2623.3	2566.5
2566.1	35°	2597.1	2628.3	2655.6	2683.0	2645.4	2607.7	2554.9	2502.2	2459.0	2415.6
2447.8	37.5°	2476.6	2505.2	2517.8	2530.5	2484.0	2437.5	2384.8	2332.2	2301.2	2270.0
2339.4	40°	2363.7	2388.0	2385.1	2382.0	2328.4	2274.9	2224.1	2173.3	2150.8	2128.4
2229.4	42.5°	2249.9	2270.4	2255.0	2239.5	2181.7	2124.0	2075.7	2027.6	2009.2	1990.9
2121.3	45°	2139.7	2158.2	2136.0	2113.9	2053.9	1994.0	1948.3	1902.6	1887.0	1871.7
2035.7	47.5°	2048.6	2061.5	2035.9	2010.4	1951.3	1892.1	1847.5	1802.8	1788.4	1773.9
1984.6	50°	1985.1	1985.9	1953.1	1920.4	1867.4	1814.5	1772.4	1730.2	1707.5	1684.9
1950.2	52.5°	1943.2	1936.2	1897.4	1858.5	1809.1	1759.8	1721.2	1682.5	1648.6	1614.6
1917.9	55°	1908.3	1898.6	1857.3	1816.2	1773.1	1729.8	1688.1	1646.5	1598.4	1550.1
1883.8	57.5°	1874.0	1864.2	1822.8	1781.3	1738.4	1695.7	1646.8	1597.8	1546.0	1494.1
1836.4	60°	1825.6	1814.9	1773.2	1731.5	1688.0	1644.6	1588.4	1532.3	1486.8	1441.3
1760.7	62.5°	1750.4	1740.0	1701.8	1663.7	1617.3	1571.0	1505.4	1439.9	1411.0	1382.1
1658.6	65°	1648.1	1637.5	1603.9	1570.3	1525.9	1481.6	1411.3	1341.2	1330.1	1319.0
1542.1	67.5°	1531.9	1521.5	1492.5	1463.5	1421.5	1379.5	1314.6	1249.8	1253.3	1256.8
1417.5	70°	1407.5	1397.6	1371.4	1345.2	1308.9	1272.6	1215.6	1158.7	1170.8	1182.9
1280.4	72.5°	1268.6	1256.8	1231.1	1205.4	1172.6	1139.9	1095.1	1050.2	1067.8	1085.6
1117.0	75°	1104.6	1092.3	1068.9	1045.5	1015.8	986.1	952.8	919.5	936.5	953.5
958.4	77.5°	946.9	935.3	910.9	886.3	860.7	835.2	808.2	781.0	798.2	815.4
779.4	80°	764.1	748.8	730.2	711.6	690.1	668.6	646.1	623.5	638.1	652.4
581.9	82.5°	555.8	529.7	490.0	450.2	457.7	465.2	467.1	469.0	479.2	489.4
369.6	85°	337.3	305.1	267.7	230.5	251.3	272.1	281.9	291.6	303.0	314.5
160.2	87.5°	147.2	134.1	118.4	102.8	118.8	134.7	135.1	135.5	137.6	139.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3502.1	0°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
3439.7	2.5°	3465.5	3497.4	3526.0	3555.6	3585.1	3616.0	3646.9	3677.6	3708.4	3737.2
3386.2	5°	3434.9	3490.6	3547.1	3606.9	3666.7	3730.7	3794.8	3858.3	3922.0	3985.9
3359.1	7.5°	3423.9	3496.0	3573.0	3656.5	3739.9	3834.7	3929.4	4026.7	4124.0	4229.2
3361.0	10°	3429.2	3506.8	3601.8	3700.7	3799.3	3914.5	4029.5	4158.0	4286.6	4419.8
3380.0	12.5°	3436.0	3508.1	3608.0	3719.6	3831.3	3967.0	4102.8	4248.4	4394.1	4540.3
3380.6	15°	3407.3	3465.1	3575.7	3705.0	3834.3	3990.6	4146.8	4304.9	4462.9	4615.4
3329.8	17.5°	3320.0	3355.6	3485.7	3641.2	3796.6	3978.1	4159.5	4331.9	4504.3	4659.0
3223.2	20°	3177.5	3186.9	3338.4	3531.1	3723.8	3943.7	4163.5	4353.0	4542.5	4703.3
3083.5	22.5°	3015.9	2997.5	3169.9	3402.0	3634.0	3901.5	4168.9	4381.5	4593.9	4758.3
2937.0	25°	2859.0	2809.3	2986.0	3257.8	3529.6	3859.8	4190.1	4433.1	4675.9	4836.8
2797.2	27.5°	2722.0	2661.5	2822.4	3125.9	3429.5	3832.0	4234.5	4513.7	4792.8	4946.4
2661.1	30°	2601.4	2554.0	2689.0	3015.7	3342.4	3818.9	4295.2	4618.1	4941.1	5089.3
2531.1	32.5°	2495.8	2474.7	2583.5	2920.7	3257.8	3802.8	4347.6	4727.1	5106.6	5253.4
2405.8	35°	2396.1	2404.8	2495.5	2827.3	3159.1	3772.5	4386.1	4851.3	5316.5	5457.2
2280.8	37.5°	2291.5	2323.5	2402.8	2717.4	3032.0	3720.4	4408.9	4990.4	5571.9	5751.1
2152.7	40°	2177.0	2226.1	2298.0	2586.2	2874.5	3648.8	4423.3	5167.0	5910.5	6171.8
2023.2	42.5°	2055.4	2117.2	2183.5	2441.5	2699.5	3574.9	4450.6	5398.0	6345.4	6722.5
1903.0	45°	1934.5	1994.3	2061.5	2287.8	2514.1	3506.2	4498.5	5701.9	6905.4	7414.0
1800.2	47.5°	1826.6	1878.0	1964.7	2166.1	2367.6	3449.5	4531.5	6025.8	7520.2	8236.2
1708.2	50°	1731.5	1791.4	1905.3	2085.4	2265.5	3387.7	4510.0	6326.3	8142.6	9222.0
1637.6	52.5°	1660.7	1744.3	1875.3	2032.2	2189.1	3283.3	4377.6	6521.4	8665.1	10257.6
1586.5	55°	1623.1	1749.0	1870.9	1993.6	2116.3	3110.2	4104.1	6478.4	8852.6	11175.7
1547.3	57.5°	1600.5	1753.7	1861.2	1947.9	2034.6	2866.2	3697.6	6175.8	8654.1	11826.4
1510.4	60°	1579.3	1738.9	1809.9	1878.0	1946.2	2549.3	3152.4	5612.6	8072.8	11989.0
1468.3	62.5°	1554.6	1702.7	1711.4	1756.5	1801.8	2170.0	2538.3	4851.0	7163.8	11304.3
1410.8	65°	1502.4	1615.3	1614.2	1635.6	1657.0	1828.8	2000.7	4074.0	6147.4	10335.5
1333.1	67.5°	1409.4	1472.9	1475.8	1464.0	1452.0	1500.9	1549.7	3312.9	5076.0	9182.7
1237.1	70°	1291.4	1312.3	1312.3	1257.0	1201.7	1187.8	1173.9	2608.4	4043.0	7924.7
1122.8	72.5°	1160.0	1159.7	1146.6	1068.2	989.7	947.5	905.5	1994.1	3082.8	6560.9
982.2	75°	1010.8	1015.9	955.2	867.3	779.4	741.3	703.1	1447.3	2191.5	4997.6
838.4	77.5°	861.4	864.1	764.0	678.6	593.3	567.2	541.3	980.7	1420.2	3497.9
671.8	80°	691.0	691.4	571.8	499.6	427.3	416.6	405.8	631.9	858.0	2253.6
498.8	82.5°	508.2	502.6	400.5	347.3	294.0	291.9	290.0	388.6	487.5	1304.3
324.5	85°	334.6	327.2	251.3	212.3	173.4	174.4	175.4	207.8	240.3	586.7
143.8	87.5°	147.8	138.4	106.8	90.8	75.0	75.9	76.9	86.1	95.4	192.2
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3502.1	0°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
3766.1	2.5°	3780.4	3794.8	3815.1	3835.3	3847.4	3859.5	3865.6	3871.6	3868.9	3871.6
4049.7	5°	4099.5	4149.5	4199.0	4248.6	4275.5	4302.3	4318.6	4335.0	4347.4	4335.0
4334.6	7.5°	4415.8	4496.8	4569.8	4642.7	4686.7	4730.6	4754.4	4778.1	4789.5	4778.1
4553.0	10°	4648.9	4744.9	4830.5	4916.1	4967.9	5019.5	5042.7	5065.6	5074.4	5065.6
4686.7	12.5°	4790.7	4894.6	4972.0	5049.1	5086.7	5124.4	5137.0	5149.6	5151.0	5149.6
4768.0	15°	4857.7	4947.4	4995.9	5044.5	5045.9	5047.2	5033.8	5020.3	5004.5	5020.3
4813.7	17.5°	4874.3	4934.9	4935.8	4936.6	4882.2	4827.8	4777.9	4727.9	4692.7	4727.9
4864.1	20°	4885.2	4906.4	4842.6	4778.7	4658.6	4538.4	4451.0	4363.5	4309.7	4363.5
4922.5	22.5°	4894.8	4867.2	4734.9	4602.7	4426.0	4249.2	4139.9	4030.5	3971.1	4030.5
4997.8	25°	4910.4	4823.1	4622.3	4421.5	4206.9	3992.3	3877.3	3762.5	3706.3	3762.5
5099.9	27.5°	4943.8	4787.5	4521.5	4255.7	4017.8	3780.0	3666.8	3553.8	3500.7	3553.8
5237.6	30°	5004.8	4772.0	4444.6	4117.3	3869.5	3621.7	3516.7	3411.8	3362.3	3411.8
5400.3	32.5°	5081.4	4762.6	4392.2	4021.9	3789.0	3556.1	3473.7	3391.2	3355.6	3391.2
5597.8	35°	5207.5	4817.4	4431.5	4045.7	3883.9	3722.2	3703.0	3683.8	3680.8	3683.8
5930.4	37.5°	5471.3	5012.3	4661.5	4310.8	4300.3	4289.8	4377.7	4465.6	4511.3	4465.6
6433.0	40°	5933.8	5434.5	5173.7	4912.8	5096.9	5281.1	5494.7	5708.4	5814.8	5708.4
7099.6	42.5°	6604.2	6108.9	5958.6	5808.4	6209.9	6611.5	7000.1	7388.7	7616.9	7388.7
7922.7	45°	7477.7	7032.6	6966.4	6900.0	7543.3	8186.7	8825.3	9464.1	9851.8	9464.1
8952.0	47.5°	8519.2	8086.2	8072.8	8059.3	8987.4	9915.2	10850.1	11784.9	12333.8	11784.9
10301.3	50°	9766.6	9232.0	9234.3	9236.5	10432.6	11628.6	12862.6	14096.7	14842.8	14096.7
11850.1	52.5°	11202.6	10555.3	10489.8	10424.2	11852.9	13281.5	14808.4	16335.2	17229.5	16335.2
13499.0	55°	12859.3	12219.6	11964.4	11709.2	13299.3	14889.2	16709.4	18529.7	19593.3	18529.7
14998.7	57.5°	14650.4	14301.9	13790.0	13278.3	14883.8	16489.3	18551.0	20612.6	21931.6	20612.6
15905.1	60°	16446.2	16987.3	16351.7	15716.0	17235.4	18754.8	20962.2	23169.6	24595.1	23169.6
15444.9	62.5°	16923.2	18401.6	18330.0	18258.2	19650.0	21042.0	23142.1	25242.2	26559.8	25242.2
14523.6	65°	15911.2	17298.7	17573.2	17847.7	19616.4	21385.3	23421.8	25458.1	26580.0	25458.1
13289.3	67.5°	14609.0	15928.6	16057.4	16186.0	18028.9	19871.8	21917.0	23962.2	24841.0	23962.2
11806.4	70°	13241.7	14677.2	14734.8	14792.4	16440.5	18088.5	19848.5	21608.4	22096.9	21608.4
10039.2	72.5°	11686.4	13333.7	13375.1	13416.3	14705.7	15995.2	17313.3	18631.4	18680.8	18631.4
7803.7	75°	9508.5	11213.3	11366.4	11519.5	12522.7	13525.8	14453.8	15381.7	15133.1	15381.7
5575.6	77.5°	7167.0	8758.5	8977.6	9196.6	9959.3	10721.9	11380.0	12038.2	11610.9	12038.2
3649.2	80°	4988.1	6326.8	6599.1	6871.4	7447.3	8023.0	8368.7	8714.2	8026.8	8714.2
2121.3	82.5°	3036.6	3952.0	4256.1	4560.4	4956.8	5353.2	5497.4	5641.5	5101.2	5641.5
933.3	85°	1419.1	1904.9	2163.6	2422.3	2748.0	3073.7	3155.5	3237.3	2804.6	3237.3
288.9	87.5°	452.2	615.5	759.8	904.1	1067.0	1229.9	1236.9	1243.7	1044.2	1243.7
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°
3502.1	0°	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1	3502.1
3865.6	2.5°	3859.5	3847.4	3835.3	3815.1	3794.8	3780.4	3766.1
4318.6	5°	4302.3	4275.5	4248.6	4199.0	4149.5	4099.5	4049.7
4754.4	7.5°	4730.6	4686.7	4642.7	4569.8	4496.8	4415.8	4334.6
5042.7	10°	5019.5	4967.9	4916.1	4830.5	4744.9	4648.9	4553.0
5137.0	12.5°	5124.4	5086.7	5049.1	4972.0	4894.6	4790.7	4686.7
5033.8	15°	5047.2	5045.9	5044.5	4995.9	4947.4	4857.7	4768.0
4777.9	17.5°	4827.8	4882.2	4936.6	4935.8	4934.9	4874.3	4813.7
4451.0	20°	4538.4	4658.6	4778.7	4842.6	4906.4	4885.2	4864.1
4139.9	22.5°	4249.2	4426.0	4602.7	4734.9	4867.2	4894.8	4922.5
3877.3	25°	3992.3	4206.9	4421.5	4622.3	4823.1	4910.4	4997.8
3666.8	27.5°	3780.0	4017.8	4255.7	4521.5	4787.5	4943.8	5099.9
3516.7	30°	3621.7	3869.5	4117.3	4444.6	4772.0	5004.8	5237.6
3473.7	32.5°	3556.1	3789.0	4021.9	4392.2	4762.6	5081.4	5400.3
3703.0	35°	3722.2	3883.9	4045.7	4431.5	4817.4	5207.5	5597.8
4377.7	37.5°	4289.8	4300.3	4310.8	4661.5	5012.3	5471.3	5930.4
5494.7	40°	5281.1	5096.9	4912.8	5173.7	5434.5	5933.8	6433.0
7000.1	42.5°	6611.5	6209.9	5808.4	5958.6	6108.9	6604.2	7099.6
8825.3	45°	8186.7	7543.3	6900.0	6966.4	7032.6	7477.7	7922.7
10850.1	47.5°	9915.2	8987.4	8059.3	8072.8	8086.2	8519.2	8952.0
12862.6	50°	11628.6	10432.6	9236.5	9234.3	9232.0	9766.6	10301.3
14808.4	52.5°	13281.5	11852.9	10424.2	10489.8	10555.3	11202.6	11850.1
16709.4	55°	14889.2	13299.3	11709.2	11964.4	12219.6	12859.3	13499.0
18551.0	57.5°	16489.3	14883.8	13278.3	13790.0	14301.9	14650.4	14998.7
20962.2	60°	18754.8	17235.4	15716.0	16351.7	16987.3	16446.2	15905.1
23142.1	62.5°	21042.0	19650.0	18258.2	18330.0	18401.6	16923.2	15444.9
23421.8	65°	21385.3	19616.4	17847.7	17573.2	17298.7	15911.2	14523.6
21917.0	67.5°	19871.8	18028.9	16186.0	16057.4	15928.6	14609.0	13289.3
19848.5	70°	18088.5	16440.5	14792.4	14734.8	14677.2	13241.7	11806.4
17313.3	72.5°	15995.2	14705.7	13416.3	13375.1	13333.7	11686.4	10039.2
14453.8	75°	13525.8	12522.7	11519.5	11366.4	11213.3	9508.5	7803.7
11380.0	77.5°	10721.9	9959.3	9196.6	8977.6	8758.5	7167.0	5575.6
8368.7	80°	8023.0	7447.3	6871.4	6599.1	6326.8	4988.1	3649.2
5497.4	82.5°	5353.2	4956.8	4560.4	4256.1	3952.0	3036.6	2121.3
3155.5	85°	3073.7	2748.0	2422.3	2163.6	1904.9	1419.1	933.3
1236.9	87.5°	1229.9	1067.0	904.1	759.8	615.5	452.2	288.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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