

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: P948538

Luminaire Tested: **GALN-SB3C-760-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948538
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-SB3C-760-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23687 lumens
Efficiency: N/A
Efficacy: 158.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

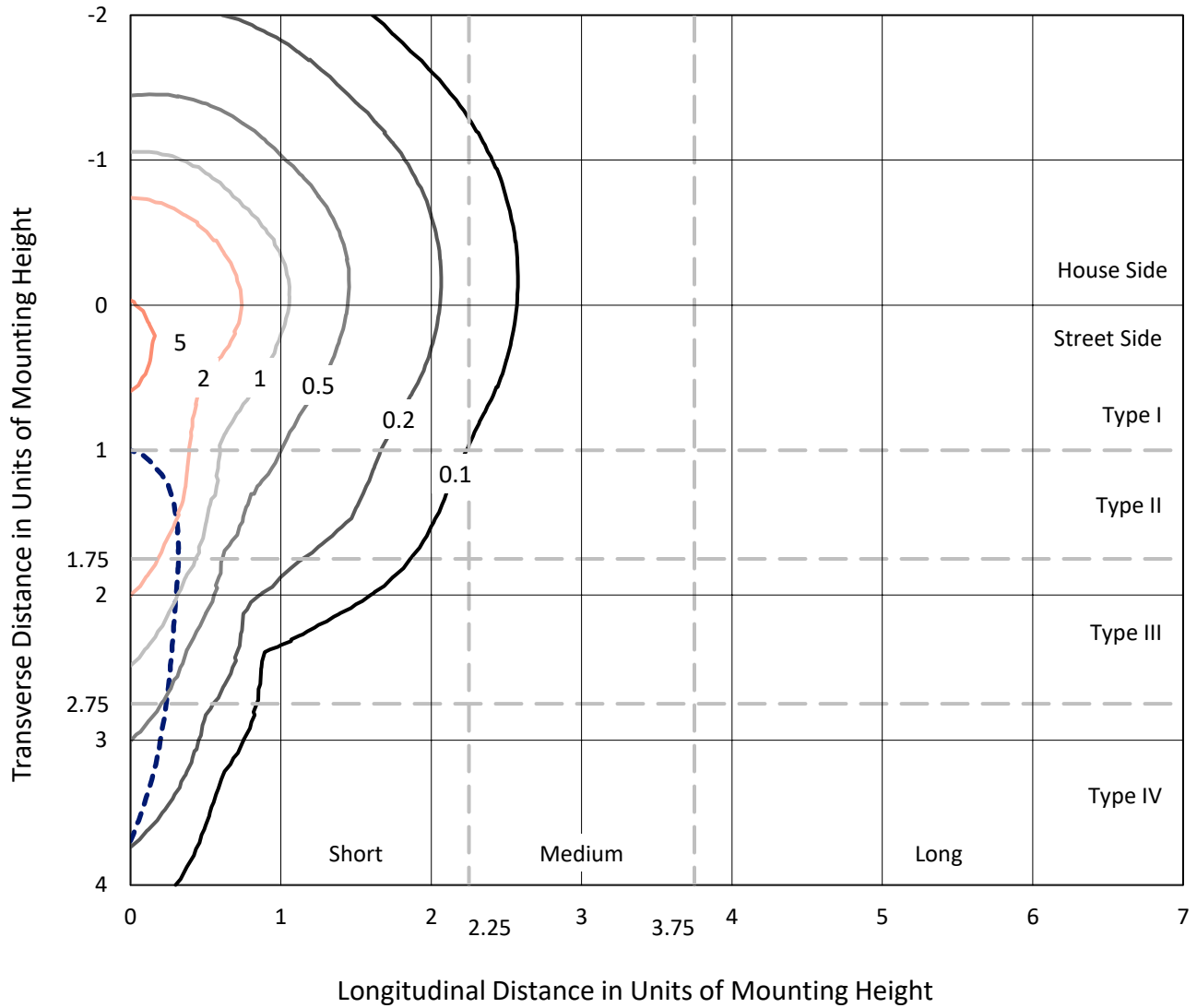
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

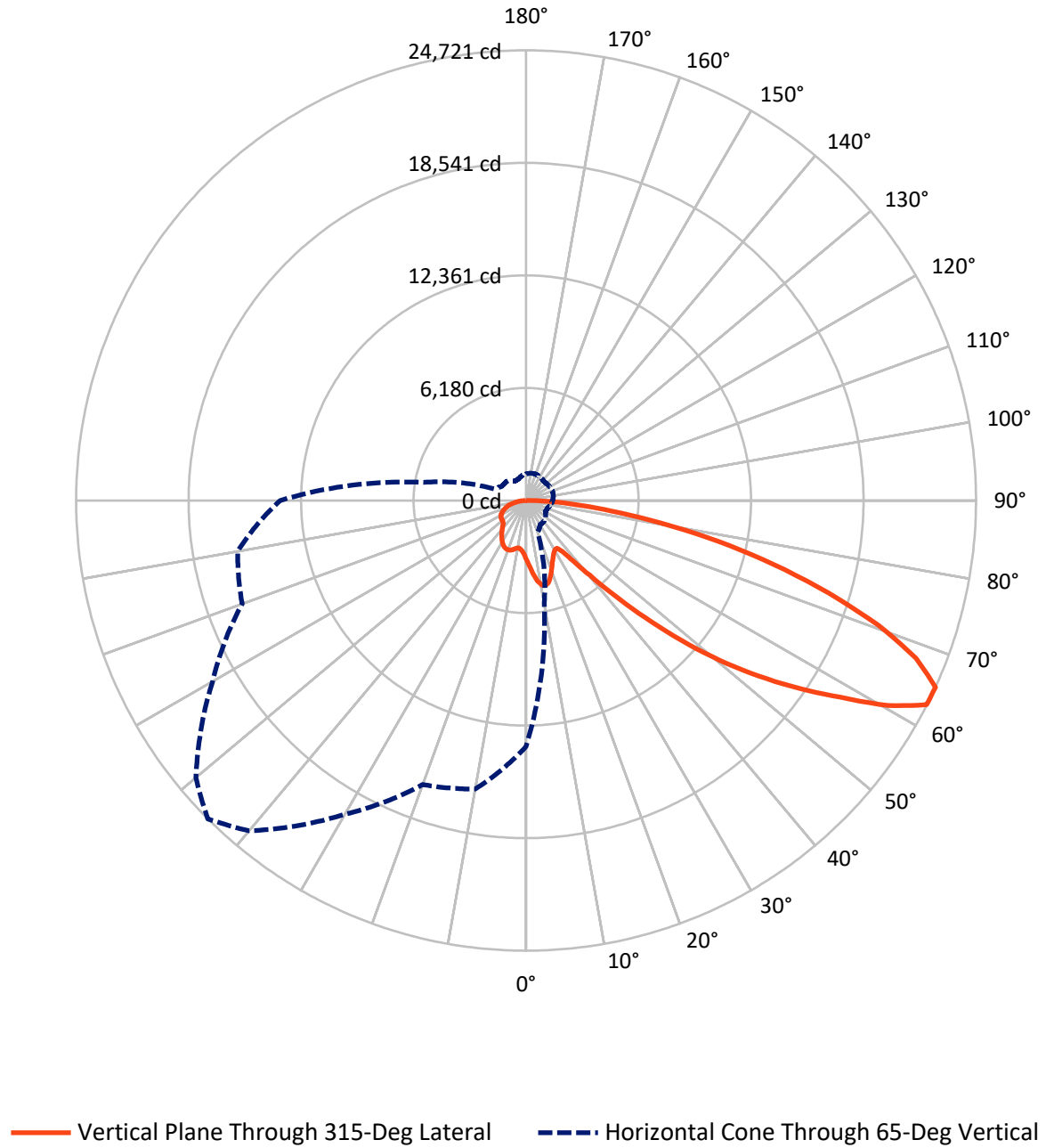
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB3C-760-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6020.0	0.0	6020.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	17667.0	0.0	17667.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	23687.0	0.0	23687.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.1	1.4
10°-20°	1014.3	4.3
20°-30°	1566.7	6.6
30°-40°	1985.5	8.4
40°-50°	2994.6	12.6
50°-60°	4838.2	20.4
60°-70°	6031.6	25.5
70°-80°	3955.2	16.7
80°-90°	977.8	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°	23687.0	100.0
0°-180°	23687.0	100.0

Coefficient of Utilization



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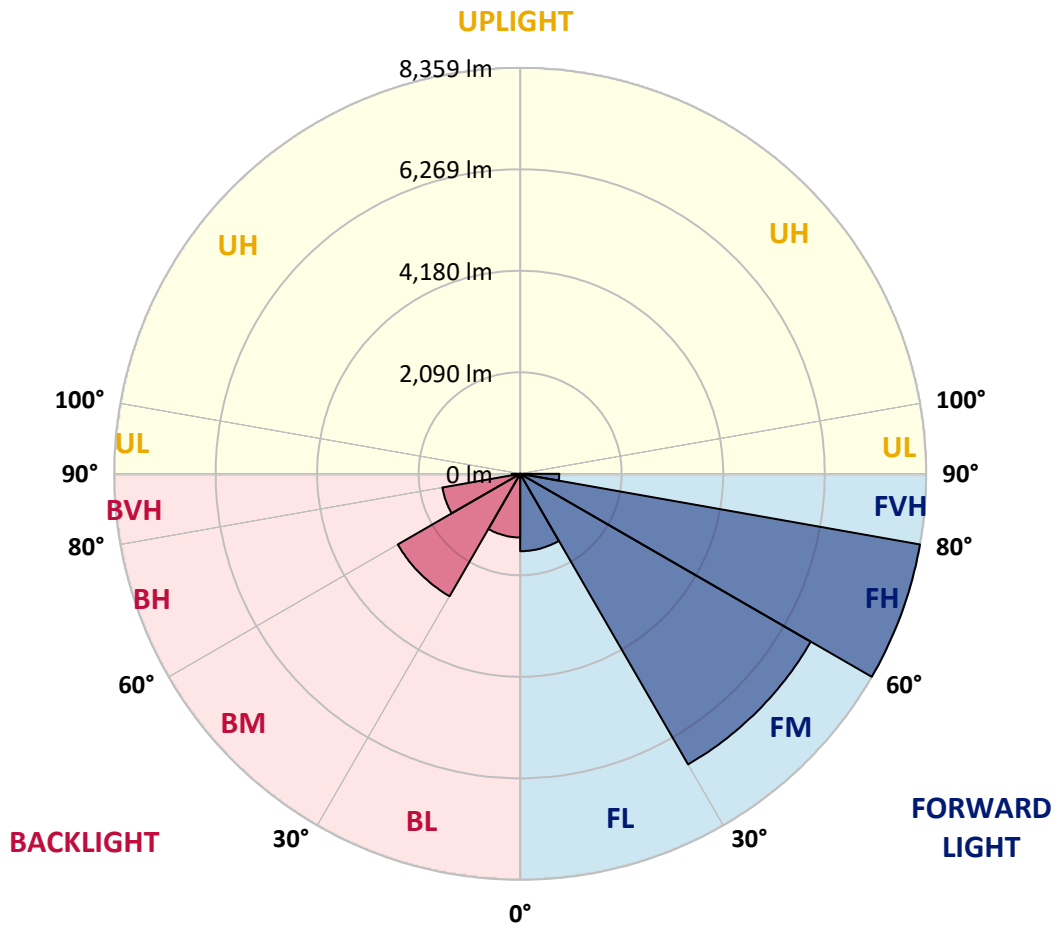
CATALOG NUMBER: GALN-SB3C-760-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1593.2	6.7			
FM (30°-60°)	6909.0	29.2			
FH (60°-80°)	8359.2	35.3			G4/12000
FVH (80°-90°)	805.5	3.4			G5
BL (0°-30°)	1310.9	5.5	B3/2500		
BM (30°-60°)	2909.3	12.3	B3/5000		
BH (60°-80°)	1627.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	172.3	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°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
2.5°	3502.8	3475.9	3449.0	3420.4	3391.9	3363.2	3334.4	3306.9	3279.4	3252.8
5°	3766.5	3707.1	3647.8	3588.5	3529.4	3469.8	3410.3	3354.7	3299.0	3246.5
7.5°	4031.5	3933.5	3835.6	3745.1	3654.6	3566.5	3478.4	3400.8	3323.2	3251.5
10°	4234.6	4110.7	3986.8	3867.2	3747.7	3640.8	3533.6	3441.9	3349.9	3261.5
12.5°	4358.9	4222.8	4086.8	3951.3	3815.9	3689.6	3563.4	3459.5	3355.7	3262.8
15°	4434.5	4292.7	4150.8	4003.8	3856.9	3711.5	3566.1	3445.9	3325.7	3222.8
17.5°	4477.0	4333.2	4189.3	4029.0	3868.6	3699.9	3531.1	3386.5	3241.9	3120.9
20°	4523.9	4374.4	4224.8	4048.6	3872.4	3667.9	3463.4	3284.2	3104.9	2964.1
22.5°	4578.3	4425.5	4272.7	4075.1	3877.4	3628.6	3379.9	3164.1	2948.2	2787.8
25°	4648.3	4498.5	4348.9	4123.1	3897.1	3589.9	3282.8	3029.9	2777.2	2612.9
27.5°	4743.3	4600.5	4457.7	4198.1	3938.3	3564.0	3189.7	2907.3	2625.0	2475.4
30°	4871.4	4733.4	4595.5	4295.2	3994.8	3551.9	3108.7	2804.8	2501.0	2375.4
32.5°	5022.6	4886.0	4749.5	4396.5	4043.6	3536.9	3029.9	2716.5	2402.9	2301.6
35°	5206.3	5075.6	4944.7	4512.0	4079.3	3508.6	2938.2	2629.6	2321.0	2236.6
37.5°	5515.7	5349.0	5182.2	4641.4	4100.6	3460.3	2820.0	2527.4	2234.8	2161.0
40°	5983.1	5740.2	5497.2	4805.6	4114.0	3393.7	2673.5	2405.4	2137.3	2070.4
42.5°	6603.1	6252.4	5901.6	5020.5	4139.3	3324.9	2510.7	2270.8	2030.8	1969.2
45°	7368.6	6895.5	6422.5	5303.2	4183.9	3261.0	2338.3	2127.8	1917.3	1854.8
47.5°	8326.0	7660.2	6994.3	5604.4	4214.6	3208.3	2202.0	2014.7	1827.3	1746.7
50°	9580.9	8577.1	7573.2	5883.9	4194.6	3150.8	2107.0	1939.6	1772.1	1666.1
52.5°	11021.4	9540.3	8059.2	6065.4	4071.5	3053.7	2036.0	1890.1	1744.2	1622.3
55°	12555.0	10394.2	8233.5	6025.4	3817.1	2892.7	1968.3	1854.2	1740.1	1626.7
57.5°	13949.8	10999.4	8048.9	5743.9	3439.0	2665.7	1892.3	1811.7	1731.1	1631.1
60°	14792.9	11150.6	7508.2	5220.1	2931.9	2371.0	1810.1	1746.7	1683.3	1617.3
62.5°	14364.8	10513.8	6662.8	4511.8	2360.8	2018.3	1675.8	1633.7	1591.7	1583.6
65°	13508.0	9612.8	5717.5	3789.1	1860.8	1701.0	1541.1	1521.2	1501.3	1502.3
67.5°	12360.0	8540.5	4721.0	3081.2	1441.4	1396.0	1350.5	1361.6	1372.6	1369.9
70°	10980.8	7370.5	3760.2	2426.0	1091.8	1104.8	1117.6	1169.1	1220.5	1220.5
72.5°	9337.2	6102.1	2867.2	1854.7	842.2	881.3	920.5	993.5	1066.4	1078.6
75°	7258.0	4648.1	2038.3	1346.1	653.9	689.4	724.9	806.7	888.4	944.9
77.5°	5185.7	3253.3	1320.9	912.2	503.4	527.6	551.8	631.2	710.6	803.7
80°	3394.0	2096.0	798.0	587.7	377.5	387.5	397.5	464.7	531.8	643.1
82.5°	1972.9	1213.1	453.5	361.5	269.7	271.5	273.5	323.0	372.5	467.5
85°	868.0	545.7	223.5	193.2	163.1	162.2	161.2	197.5	233.7	304.3
87.5°	268.7	178.7	88.7	80.1	71.5	70.6	69.7	84.5	99.4	128.7
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°
3257.2	0°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
3223.2	2.5°	3199.2	3175.3	3153.7	3132.2	3113.3	3094.4	3075.4	3056.6	3041.9	3027.2
3194.7	5°	3149.4	3104.1	3066.1	3028.2	2994.7	2961.2	2930.8	2900.3	2877.0	2853.5
3184.4	7.5°	3124.2	3064.1	3014.1	2964.1	2922.0	2879.7	2842.5	2805.3	2777.5	2749.7
3189.4	10°	3125.9	3062.4	3012.4	2962.4	2917.1	2871.6	2829.7	2787.8	2754.6	2721.2
3195.7	12.5°	3143.7	3091.9	3058.7	3025.7	2989.9	2954.4	2911.1	2867.8	2825.3	2782.8
3169.1	15°	3144.2	3119.4	3123.9	3128.4	3119.2	3109.9	3072.3	3034.7	2974.2	2913.7
3087.8	17.5°	3096.9	3105.9	3160.4	3214.9	3243.9	3272.8	3242.4	3212.2	3132.1	3051.9
2955.3	20°	2997.8	3040.3	3134.9	3229.7	3290.3	3350.9	3336.9	3322.8	3231.2	3139.7
2805.0	22.5°	2867.8	2930.7	3038.7	3146.9	3225.8	3304.7	3313.2	3321.5	3234.0	3146.6
2659.1	25°	2731.6	2804.1	2901.2	2998.4	3076.1	3153.7	3182.7	3211.5	3139.8	3068.2
2531.6	27.5°	2601.6	2671.6	2751.5	2831.2	2893.5	2955.7	2987.9	3020.3	2969.2	2918.2
2419.5	30°	2475.0	2530.7	2597.0	2663.2	2714.8	2766.6	2792.8	2819.1	2780.2	2741.2
2321.3	32.5°	2354.1	2387.0	2439.9	2492.9	2542.4	2592.0	2621.1	2650.4	2614.6	2578.7
2228.5	35°	2237.5	2246.6	2287.0	2327.3	2376.3	2425.4	2460.4	2495.4	2469.9	2444.5
2131.3	37.5°	2121.3	2111.3	2140.3	2169.2	2218.0	2267.0	2310.3	2353.5	2341.8	2330.0
2024.8	40°	2002.2	1979.5	2000.4	2021.3	2068.5	2115.8	2165.5	2215.4	2218.3	2221.0
1911.7	42.5°	1881.7	1851.7	1868.7	1885.8	1930.6	1975.4	2029.2	2082.9	2097.3	2111.7
1799.2	45°	1769.9	1740.8	1755.1	1769.6	1812.1	1854.6	1910.3	1966.0	1986.7	2007.3
1698.8	47.5°	1674.3	1649.8	1663.3	1676.7	1718.3	1759.8	1814.8	1869.8	1893.6	1917.3
1610.5	50°	1588.7	1567.1	1588.1	1609.2	1648.5	1687.6	1736.8	1786.1	1816.6	1847.1
1544.6	52.5°	1523.1	1501.7	1533.3	1564.8	1600.8	1636.7	1682.6	1728.6	1764.7	1800.8
1509.6	55°	1475.6	1441.7	1486.6	1531.3	1570.1	1608.8	1649.1	1689.2	1727.4	1765.8
1488.6	57.5°	1439.1	1389.6	1437.9	1486.1	1531.6	1577.1	1616.8	1656.7	1695.3	1733.8
1468.8	60°	1404.7	1340.5	1382.9	1425.1	1477.3	1529.6	1570.0	1610.5	1649.2	1688.0
1445.9	62.5°	1365.6	1285.5	1312.4	1339.2	1400.1	1461.1	1504.2	1547.3	1582.8	1618.3
1397.4	65°	1312.1	1226.7	1237.1	1247.4	1312.6	1378.0	1419.2	1460.5	1491.7	1523.0
1310.9	67.5°	1239.9	1168.9	1165.6	1162.4	1222.6	1283.0	1322.1	1361.1	1388.1	1415.1
1201.1	70°	1150.6	1100.1	1088.9	1077.6	1130.6	1183.6	1217.4	1251.1	1275.5	1299.9
1078.9	72.5°	1044.3	1009.6	993.1	976.8	1018.5	1060.1	1090.6	1121.1	1145.0	1168.9
940.2	75°	913.5	886.8	871.0	855.2	886.2	917.2	944.8	972.4	994.1	1015.9
801.2	77.5°	779.8	758.4	742.4	726.4	751.7	776.8	800.5	824.3	847.2	869.9
642.7	80°	624.8	606.8	593.4	579.9	600.9	621.8	641.8	661.8	679.2	696.4
472.7	82.5°	464.0	455.2	445.7	436.2	434.5	432.7	425.7	418.7	455.7	492.7
311.2	85°	301.8	292.5	281.8	271.2	262.2	253.1	233.7	214.4	249.0	283.7
137.5	87.5°	133.7	130.0	128.0	126.0	125.6	125.2	110.5	95.6	110.1	124.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3257.2	0°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
3015.3	2.5°	3003.4	2994.2	2984.9	2976.4	2967.8	2957.2	2967.8	2976.4	2984.9	2994.2
2837.1	5°	2820.7	2809.1	2797.5	2788.6	2779.7	2771.0	2779.7	2788.6	2797.5	2809.1
2730.2	7.5°	2710.7	2697.3	2684.1	2676.1	2668.2	2662.2	2668.2	2676.1	2684.1	2697.3
2699.5	10°	2677.5	2664.9	2652.2	2645.5	2638.7	2636.0	2638.7	2645.5	2652.2	2664.9
2754.7	12.5°	2726.6	2712.5	2698.5	2692.7	2687.0	2686.0	2687.0	2692.7	2698.5	2712.5
2871.0	15°	2828.2	2808.6	2789.1	2781.6	2774.1	2773.5	2774.1	2781.6	2789.1	2808.6
2988.9	17.5°	2926.0	2897.0	2867.8	2858.3	2848.7	2847.2	2848.7	2858.3	2867.8	2897.0
3062.4	20°	2985.3	2948.2	2911.0	2899.1	2887.2	2883.5	2887.2	2899.1	2911.0	2948.2
3067.1	22.5°	2987.4	2948.3	2909.1	2896.0	2882.8	2877.2	2882.8	2896.0	2909.1	2948.3
2997.4	25°	2927.0	2893.0	2859.1	2846.7	2834.5	2827.2	2834.5	2846.7	2859.1	2893.0
2863.3	27.5°	2808.5	2785.7	2762.8	2757.2	2751.6	2749.7	2751.6	2757.2	2762.8	2785.7
2702.0	30°	2662.5	2650.9	2639.1	2639.1	2639.1	2641.0	2639.1	2639.1	2639.1	2650.9
2547.4	32.5°	2516.0	2508.4	2500.7	2501.7	2502.9	2504.7	2502.9	2501.7	2500.7	2508.4
2415.5	35°	2386.6	2375.0	2363.5	2361.0	2358.5	2357.3	2358.5	2361.0	2363.5	2375.0
2303.4	37.5°	2276.6	2255.5	2234.5	2223.4	2212.3	2206.0	2212.3	2223.4	2234.5	2255.5
2198.4	40°	2175.8	2145.0	2114.5	2093.8	2073.3	2061.0	2073.3	2093.8	2114.5	2145.0
2092.5	42.5°	2073.5	2035.4	1997.3	1967.2	1937.1	1917.3	1937.1	1967.2	1997.3	2035.4
1990.0	45°	1972.9	1929.3	1885.8	1850.4	1815.1	1792.3	1815.1	1850.4	1885.8	1929.3
1905.3	47.5°	1893.3	1854.6	1815.8	1783.1	1750.4	1728.6	1750.4	1783.1	1815.8	1854.6
1846.3	50°	1845.8	1814.8	1783.8	1753.6	1723.3	1702.3	1723.3	1753.6	1783.8	1814.8
1807.3	52.5°	1813.8	1788.6	1763.3	1736.2	1709.2	1689.8	1709.2	1736.2	1763.3	1788.6
1774.8	55°	1783.8	1761.8	1739.8	1716.1	1692.3	1674.8	1692.3	1716.1	1739.8	1761.8
1742.9	57.5°	1752.1	1729.8	1707.6	1684.1	1660.5	1642.3	1660.5	1684.1	1707.6	1729.8
1698.0	60°	1708.0	1686.2	1664.6	1640.3	1616.1	1597.3	1616.1	1640.3	1664.6	1686.2
1628.0	62.5°	1637.6	1618.0	1598.3	1572.8	1547.3	1524.8	1547.3	1572.8	1598.3	1618.0
1532.8	65°	1542.6	1523.7	1504.8	1480.1	1455.5	1436.1	1455.5	1480.1	1504.8	1523.7
1424.7	67.5°	1434.2	1416.9	1399.6	1376.6	1353.6	1336.1	1353.6	1376.6	1399.6	1416.9
1309.1	70°	1318.4	1304.2	1290.1	1268.1	1246.1	1226.1	1246.1	1268.1	1290.1	1304.2
1179.9	72.5°	1190.9	1179.1	1167.4	1146.4	1125.5	1106.1	1125.5	1146.4	1167.4	1179.1
1027.4	75°	1038.9	1033.1	1027.4	1009.8	992.1	973.7	992.1	1009.8	1027.4	1033.1
880.7	77.5°	891.4	883.4	875.2	857.4	839.7	824.9	839.7	857.4	875.2	883.4
710.7	80°	724.9	721.4	718.1	694.2	670.2	642.4	670.2	694.2	718.1	721.4
516.9	82.5°	541.2	539.7	538.1	517.9	497.7	480.0	497.7	517.9	538.1	539.7
313.7	85°	343.7	341.2	338.7	323.0	307.2	291.2	307.2	323.0	338.7	341.2
136.9	87.5°	149.0	146.0	142.7	134.7	126.5	118.7	126.5	134.7	142.7	146.0
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°
3257.2	0°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
3003.4	2.5°	3015.3	3027.2	3041.9	3056.6	3075.4	3094.4	3113.3	3132.2	3153.7	3175.3
2820.7	5°	2837.1	2853.5	2877.0	2900.3	2930.8	2961.2	2994.7	3028.2	3066.1	3104.1
2710.7	7.5°	2730.2	2749.7	2777.5	2805.3	2842.5	2879.7	2922.0	2964.1	3014.1	3064.1
2677.5	10°	2699.5	2721.2	2754.6	2787.8	2829.7	2871.6	2917.1	2962.4	3012.4	3062.4
2726.6	12.5°	2754.7	2782.8	2825.3	2867.8	2911.1	2954.4	2989.9	3025.7	3058.7	3091.9
2828.2	15°	2871.0	2913.7	2974.2	3034.7	3072.3	3109.9	3119.2	3128.4	3123.9	3119.4
2926.0	17.5°	2988.9	3051.9	3132.1	3212.2	3242.4	3272.8	3243.9	3214.9	3160.4	3105.9
2985.3	20°	3062.4	3139.7	3231.2	3322.8	3336.9	3350.9	3290.3	3229.7	3134.9	3040.3
2987.4	22.5°	3067.1	3146.6	3234.0	3321.5	3313.2	3304.7	3225.8	3146.9	3038.7	2930.7
2927.0	25°	2997.4	3068.2	3139.8	3211.5	3182.7	3153.7	3076.1	2998.4	2901.2	2804.1
2808.5	27.5°	2863.3	2918.2	2969.2	3020.3	2987.9	2955.7	2893.5	2831.2	2751.5	2671.6
2662.5	30°	2702.0	2741.2	2780.2	2819.1	2792.8	2766.6	2714.8	2663.2	2597.0	2530.7
2516.0	32.5°	2547.4	2578.7	2614.6	2650.4	2621.1	2592.0	2542.4	2492.9	2439.9	2387.0
2386.6	35°	2415.5	2444.5	2469.9	2495.4	2460.4	2425.4	2376.3	2327.3	2287.0	2246.6
2276.6	37.5°	2303.4	2330.0	2341.8	2353.5	2310.3	2267.0	2218.0	2169.2	2140.3	2111.3
2175.8	40°	2198.4	2221.0	2218.3	2215.4	2165.5	2115.8	2068.5	2021.3	2000.4	1979.5
2073.5	42.5°	2092.5	2111.7	2097.3	2082.9	2029.2	1975.4	1930.6	1885.8	1868.7	1851.7
1972.9	45°	1990.0	2007.3	1986.7	1966.0	1910.3	1854.6	1812.1	1769.6	1755.1	1740.8
1893.3	47.5°	1905.3	1917.3	1893.6	1869.8	1814.8	1759.8	1718.3	1676.7	1663.3	1649.8
1845.8	50°	1846.3	1847.1	1816.6	1786.1	1736.8	1687.6	1648.5	1609.2	1588.1	1567.1
1813.8	52.5°	1807.3	1800.8	1764.7	1728.6	1682.6	1636.7	1600.8	1564.8	1533.3	1501.7
1783.8	55°	1774.8	1765.8	1727.4	1689.2	1649.1	1608.8	1570.1	1531.3	1486.6	1441.7
1752.1	57.5°	1742.9	1733.8	1695.3	1656.7	1616.8	1577.1	1531.6	1486.1	1437.9	1389.6
1708.0	60°	1698.0	1688.0	1649.2	1610.5	1570.0	1529.6	1477.3	1425.1	1382.9	1340.5
1637.6	62.5°	1628.0	1618.3	1582.8	1547.3	1504.2	1461.1	1400.1	1339.2	1312.4	1285.5
1542.6	65°	1532.8	1523.0	1491.7	1460.5	1419.2	1378.0	1312.6	1247.4	1237.1	1226.7
1434.2	67.5°	1424.7	1415.1	1388.1	1361.1	1322.1	1283.0	1222.6	1162.4	1165.6	1168.9
1318.4	70°	1309.1	1299.9	1275.5	1251.1	1217.4	1183.6	1130.6	1077.6	1088.9	1100.1
1190.9	72.5°	1179.9	1168.9	1145.0	1121.1	1090.6	1060.1	1018.5	976.8	993.1	1009.6
1038.9	75°	1027.4	1015.9	994.1	972.4	944.8	917.2	886.2	855.2	871.0	886.8
891.4	77.5°	880.7	869.9	847.2	824.3	800.5	776.8	751.7	726.4	742.4	758.4
724.9	80°	710.7	696.4	679.2	661.8	641.8	621.8	600.9	579.9	593.4	606.8
541.2	82.5°	516.9	492.7	455.7	418.7	425.7	432.7	434.5	436.2	445.7	455.2
343.7	85°	313.7	283.7	249.0	214.4	233.7	253.1	262.2	271.2	281.8	292.5
149.0	87.5°	136.9	124.7	110.1	95.6	110.5	125.2	125.6	126.0	128.0	130.0
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3257.2	0°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
3199.2	2.5°	3223.2	3252.8	3279.4	3306.9	3334.4	3363.2	3391.9	3420.4	3449.0	3475.9
3149.4	5°	3194.7	3246.5	3299.0	3354.7	3410.3	3469.8	3529.4	3588.5	3647.8	3707.1
3124.2	7.5°	3184.4	3251.5	3323.2	3400.8	3478.4	3566.5	3654.6	3745.1	3835.6	3933.5
3125.9	10°	3189.4	3261.5	3349.9	3441.9	3533.6	3640.8	3747.7	3867.2	3986.8	4110.7
3143.7	12.5°	3195.7	3262.8	3355.7	3459.5	3563.4	3689.6	3815.9	3951.3	4086.8	4222.8
3144.2	15°	3169.1	3222.8	3325.7	3445.9	3566.1	3711.5	3856.9	4003.8	4150.8	4292.7
3096.9	17.5°	3087.8	3120.9	3241.9	3386.5	3531.1	3699.9	3868.6	4029.0	4189.3	4333.2
2997.8	20°	2955.3	2964.1	3104.9	3284.2	3463.4	3667.9	3872.4	4048.6	4224.8	4374.4
2867.8	22.5°	2805.0	2787.8	2948.2	3164.1	3379.9	3628.6	3877.4	4075.1	4272.7	4425.5
2731.6	25°	2659.1	2612.9	2777.2	3029.9	3282.8	3589.9	3897.1	4123.1	4348.9	4498.5
2601.6	27.5°	2531.6	2475.4	2625.0	2907.3	3189.7	3564.0	3938.3	4198.1	4457.7	4600.5
2475.0	30°	2419.5	2375.4	2501.0	2804.8	3108.7	3551.9	3994.8	4295.2	4595.5	4733.4
2354.1	32.5°	2321.3	2301.6	2402.9	2716.5	3029.9	3536.9	4043.6	4396.5	4749.5	4886.0
2237.5	35°	2228.5	2236.6	2321.0	2629.6	2938.2	3508.6	4079.3	4512.0	4944.7	5075.6
2121.3	37.5°	2131.3	2161.0	2234.8	2527.4	2820.0	3460.3	4100.6	4641.4	5182.2	5349.0
2002.2	40°	2024.8	2070.4	2137.3	2405.4	2673.5	3393.7	4114.0	4805.6	5497.2	5740.2
1881.7	42.5°	1911.7	1969.2	2030.8	2270.8	2510.7	3324.9	4139.3	5020.5	5901.6	6252.4
1769.9	45°	1799.2	1854.8	1917.3	2127.8	2338.3	3261.0	4183.9	5303.2	6422.5	6895.5
1674.3	47.5°	1698.8	1746.7	1827.3	2014.7	2202.0	3208.3	4214.6	5604.4	6994.3	7660.2
1588.7	50°	1610.5	1666.1	1772.1	1939.6	2107.0	3150.8	4194.6	5883.9	7573.2	8577.1
1523.1	52.5°	1544.6	1622.3	1744.2	1890.1	2036.0	3053.7	4071.5	6065.4	8059.2	9540.3
1475.6	55°	1509.6	1626.7	1740.1	1854.2	1968.3	2892.7	3817.1	6025.4	8233.5	10394.2
1439.1	57.5°	1488.6	1631.1	1731.1	1811.7	1892.3	2665.7	3439.0	5743.9	8048.9	10999.4
1404.7	60°	1468.8	1617.3	1683.3	1746.7	1810.1	2371.0	2931.9	5220.1	7508.2	11150.6
1365.6	62.5°	1445.9	1583.6	1591.7	1633.7	1675.8	2018.3	2360.8	4511.8	6662.8	10513.8
1312.1	65°	1397.4	1502.3	1501.3	1521.2	1541.1	1701.0	1860.8	3789.1	5717.5	9612.8
1239.9	67.5°	1310.9	1369.9	1372.6	1361.6	1350.5	1396.0	1441.4	3081.2	4721.0	8540.5
1150.6	70°	1201.1	1220.5	1220.5	1169.1	1117.6	1104.8	1091.8	2426.0	3760.2	7370.5
1044.3	72.5°	1078.9	1078.6	1066.4	993.5	920.5	881.3	842.2	1854.7	2867.2	6102.1
913.5	75°	940.2	944.9	888.4	806.7	724.9	689.4	653.9	1346.1	2038.3	4648.1
779.8	77.5°	801.2	803.7	710.6	631.2	551.8	527.6	503.4	912.2	1320.9	3253.3
624.8	80°	642.7	643.1	531.8	464.7	397.5	387.5	377.5	587.7	798.0	2096.0
464.0	82.5°	472.7	467.5	372.5	323.0	273.5	271.5	269.7	361.5	453.5	1213.1
301.8	85°	311.2	304.3	233.7	197.5	161.2	162.2	163.1	193.2	223.5	545.7
133.7	87.5°	137.5	128.7	99.4	84.5	69.7	70.6	71.5	80.1	88.7	178.7
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3257.2	0°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
3502.8	2.5°	3516.0	3529.4	3548.3	3567.1	3578.4	3589.6	3595.3	3600.9	3598.4	3600.9
3766.5	5°	3812.9	3859.4	3905.4	3951.5	3976.5	4001.5	4016.6	4031.8	4043.3	4031.8
4031.5	7.5°	4107.0	4182.3	4250.2	4318.1	4358.9	4399.8	4421.9	4443.9	4454.5	4443.9
4234.6	10°	4323.8	4413.0	4492.7	4572.3	4620.5	4668.5	4690.0	4711.4	4719.5	4711.4
4358.9	12.5°	4455.7	4552.3	4624.3	4696.0	4731.0	4766.0	4777.8	4789.5	4790.8	4789.5
4434.5	15°	4518.0	4601.4	4646.5	4691.8	4693.0	4694.3	4681.8	4669.3	4654.5	4669.3
4477.0	17.5°	4533.4	4589.8	4590.7	4591.4	4540.8	4490.2	4443.8	4397.3	4364.6	4397.3
4523.9	20°	4543.5	4563.3	4503.9	4444.5	4332.8	4221.1	4139.7	4058.3	4008.3	4058.3
4578.3	22.5°	4552.5	4526.8	4403.8	4280.8	4116.5	3952.1	3850.4	3748.6	3693.4	3748.6
4648.3	25°	4567.0	4485.8	4299.1	4112.3	3912.7	3713.1	3606.1	3499.4	3447.1	3499.4
4743.3	27.5°	4598.0	4452.7	4205.3	3958.1	3736.9	3515.6	3410.4	3305.3	3255.9	3305.3
4871.4	30°	4654.8	4438.3	4133.8	3829.4	3598.9	3368.4	3270.8	3173.2	3127.2	3173.2
5022.6	32.5°	4726.0	4429.5	4085.1	3740.6	3524.0	3307.4	3230.8	3154.1	3120.9	3154.1
5206.3	35°	4843.4	4480.5	4121.6	3762.7	3612.3	3461.9	3444.0	3426.1	3423.4	3426.1
5515.7	37.5°	5088.7	4661.8	4335.6	4009.3	3999.6	3989.8	4071.6	4153.3	4195.8	4153.3
5983.1	40°	5518.8	5054.5	4811.9	4569.3	4740.5	4911.7	5110.5	5309.2	5408.2	5309.2
6603.1	42.5°	6142.4	5681.7	5541.9	5402.2	5775.7	6149.1	6510.6	6872.0	7084.3	6872.0
7368.6	45°	6954.8	6540.8	6479.2	6417.5	7015.8	7614.2	8208.2	8802.2	9162.8	8802.2
8326.0	47.5°	7923.4	7520.7	7508.2	7495.7	8358.9	9221.8	10091.3	10960.8	11471.3	10960.8
9580.9	50°	9083.6	8586.4	8588.5	8590.6	9703.0	10815.4	11963.2	13110.9	13804.8	13110.9
11021.4	52.5°	10419.2	9817.1	9756.3	9695.3	11024.0	12352.7	13772.8	15192.8	16024.6	15192.8
12555.0	55°	11960.0	11365.1	11127.7	10890.4	12369.2	13848.0	15540.9	17233.9	18223.1	17233.9
13949.8	57.5°	13625.9	13301.8	12825.7	12349.7	13843.0	15336.2	17253.7	19171.2	20397.9	19171.2
14792.9	60°	15296.1	15799.4	15208.2	14617.0	16030.1	17443.2	19496.3	21549.3	22875.2	21549.3
14364.8	62.5°	15739.8	17114.7	17048.1	16981.4	18275.9	19570.5	21523.8	23477.0	24702.5	23477.0
13508.0	65°	14798.5	16089.0	16344.3	16599.6	18244.6	19889.8	21783.9	23677.8	24721.2	23677.8
12360.0	67.5°	13587.4	14814.7	14934.5	15054.1	16768.2	18482.1	20384.3	22286.5	23103.9	22286.5
10980.8	70°	12315.7	13650.9	13704.3	13758.0	15290.8	16823.5	18460.5	20097.3	20551.6	20097.3
9337.2	72.5°	10869.1	12401.2	12439.7	12478.1	13677.3	14876.6	16102.6	17328.5	17374.5	17328.5
7258.0	75°	8843.6	10429.2	10571.5	10713.9	11646.9	12580.0	13443.0	14306.0	14074.8	14306.0
5185.7	77.5°	6665.8	8146.0	8349.8	8553.5	9262.8	9972.1	10584.2	11196.4	10798.9	11196.4
3394.0	80°	4639.3	5884.4	6137.6	6390.8	6926.5	7462.0	7783.5	8104.8	7465.5	8104.8
1972.9	82.5°	2824.2	3675.6	3958.5	4241.4	4610.2	4978.9	5113.0	5247.0	4744.5	5247.0
868.0	85°	1319.9	1771.7	2012.3	2252.9	2555.9	2858.7	2934.8	3010.9	2608.5	3010.9
268.7	87.5°	420.6	572.4	706.7	840.9	992.4	1143.9	1150.4	1156.8	971.2	1156.8
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):

325°		330°	335°	340°	345°	350°	355°	360°
3257.2	0°	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2	3257.2
3595.3	2.5°	3589.6	3578.4	3567.1	3548.3	3529.4	3516.0	3502.8
4016.6	5°	4001.5	3976.5	3951.5	3905.4	3859.4	3812.9	3766.5
4421.9	7.5°	4399.8	4358.9	4318.1	4250.2	4182.3	4107.0	4031.5
4690.0	10°	4668.5	4620.5	4572.3	4492.7	4413.0	4323.8	4234.6
4777.8	12.5°	4766.0	4731.0	4696.0	4624.3	4552.3	4455.7	4358.9
4681.8	15°	4694.3	4693.0	4691.8	4646.5	4601.4	4518.0	4434.5
4443.8	17.5°	4490.2	4540.8	4591.4	4590.7	4589.8	4533.4	4477.0
4139.7	20°	4221.1	4332.8	4444.5	4503.9	4563.3	4543.5	4523.9
3850.4	22.5°	3952.1	4116.5	4280.8	4403.8	4526.8	4552.5	4578.3
3606.1	25°	3713.1	3912.7	4112.3	4299.1	4485.8	4567.0	4648.3
3410.4	27.5°	3515.6	3736.9	3958.1	4205.3	4452.7	4598.0	4743.3
3270.8	30°	3368.4	3598.9	3829.4	4133.8	4438.3	4654.8	4871.4
3230.8	32.5°	3307.4	3524.0	3740.6	4085.1	4429.5	4726.0	5022.6
3444.0	35°	3461.9	3612.3	3762.7	4121.6	4480.5	4843.4	5206.3
4071.6	37.5°	3989.8	3999.6	4009.3	4335.6	4661.8	5088.7	5515.7
5110.5	40°	4911.7	4740.5	4569.3	4811.9	5054.5	5518.8	5983.1
6510.6	42.5°	6149.1	5775.7	5402.2	5541.9	5681.7	6142.4	6603.1
8208.2	45°	7614.2	7015.8	6417.5	6479.2	6540.8	6954.8	7368.6
10091.3	47.5°	9221.8	8358.9	7495.7	7508.2	7520.7	7923.4	8326.0
11963.2	50°	10815.4	9703.0	8590.6	8588.5	8586.4	9083.6	9580.9
13772.8	52.5°	12352.7	11024.0	9695.3	9756.3	9817.1	10419.2	11021.4
15540.9	55°	13848.0	12369.2	10890.4	11127.7	11365.1	11960.0	12555.0
17253.7	57.5°	15336.2	13843.0	12349.7	12825.7	13301.8	13625.9	13949.8
19496.3	60°	17443.2	16030.1	14617.0	15208.2	15799.4	15296.1	14792.9
21523.8	62.5°	19570.5	18275.9	16981.4	17048.1	17114.7	15739.8	14364.8
21783.9	65°	19889.8	18244.6	16599.6	16344.3	16089.0	14798.5	13508.0
20384.3	67.5°	18482.1	16768.2	15054.1	14934.5	14814.7	13587.4	12360.0
18460.5	70°	16823.5	15290.8	13758.0	13704.3	13650.9	12315.7	10980.8
16102.6	72.5°	14876.6	13677.3	12478.1	12439.7	12401.2	10869.1	9337.2
13443.0	75°	12580.0	11646.9	10713.9	10571.5	10429.2	8843.6	7258.0
10584.2	77.5°	9972.1	9262.8	8553.5	8349.8	8146.0	6665.8	5185.7
7783.5	80°	7462.0	6926.5	6390.8	6137.6	5884.4	4639.3	3394.0
5113.0	82.5°	4978.9	4610.2	4241.4	3958.5	3675.6	2824.2	1972.9
2934.8	85°	2858.7	2555.9	2252.9	2012.3	1771.7	1319.9	868.0
1150.4	87.5°	1143.9	992.4	840.9	706.7	572.4	420.6	268.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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