

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: P952150

Luminaire Tested: **GALN-SB6A-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952150
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-SB6A-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24355 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

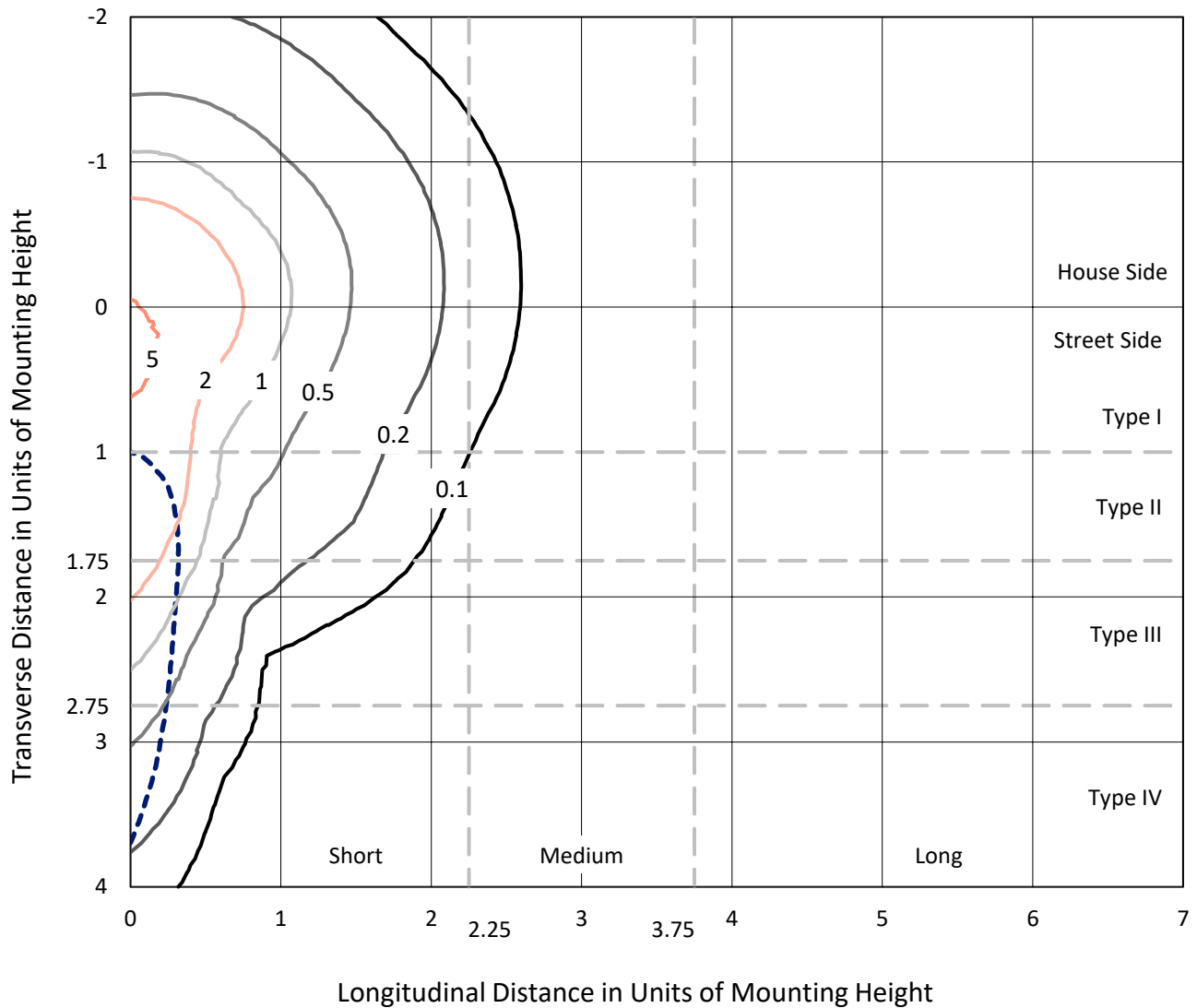
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

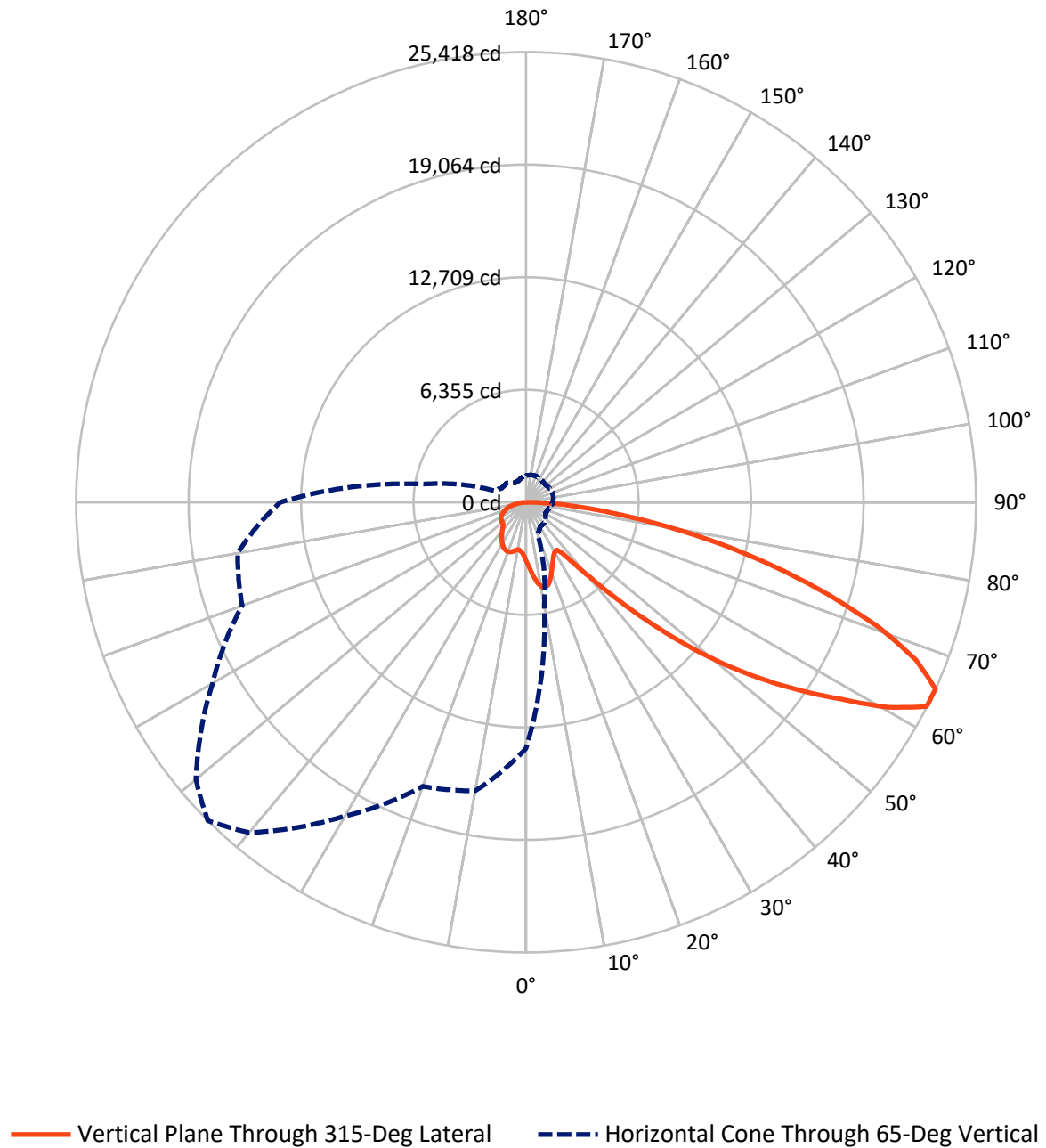
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6189.8	0.0	6189.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18165.2	0.0	18165.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	24355.0	0.0	24355.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.2	1.4
10°-20°	1042.9	4.3
20°-30°	1610.9	6.6
30°-40°	2041.5	8.4
40°-50°	3079.0	12.6
50°-60°	4974.6	20.4
60°-70°	6201.7	25.5
70°-80°	4066.7	16.7
80°-90°	1005.4	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°	24355.0	100.0
0°-180°	24355.0	100.0

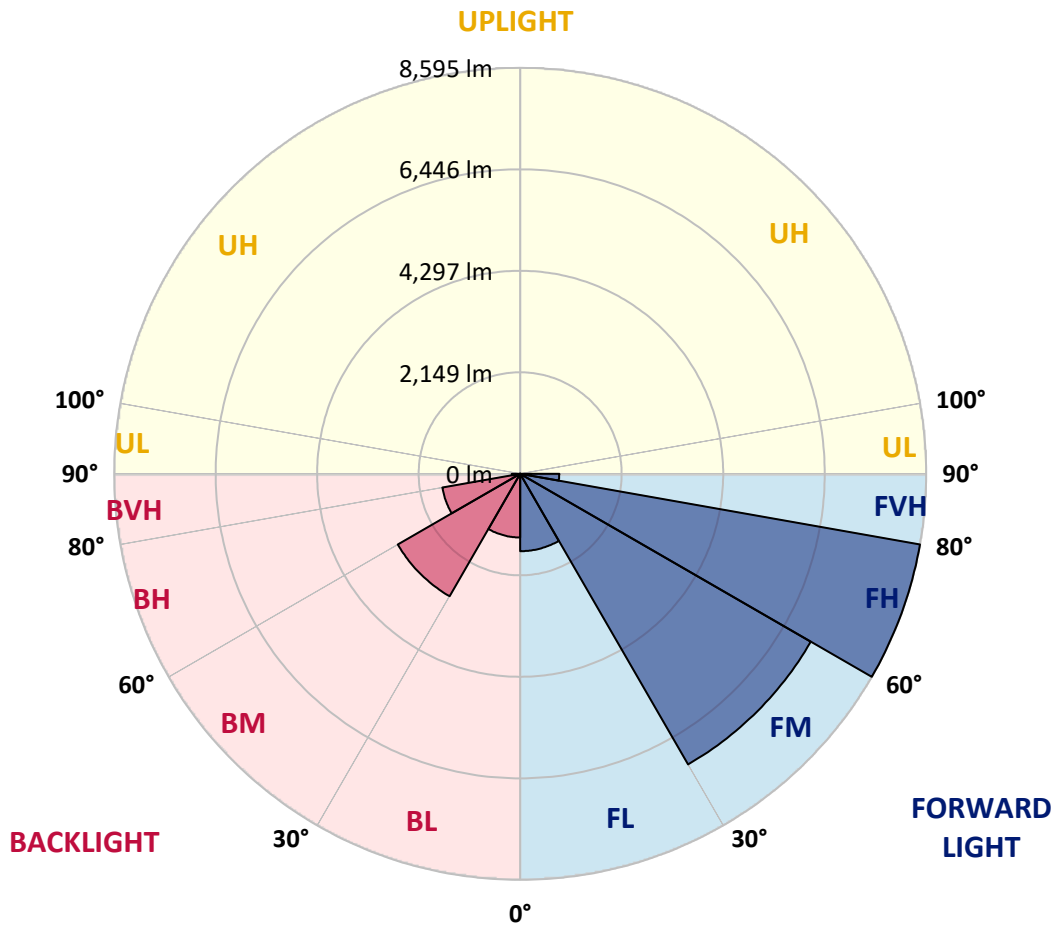


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1638.2	6.7			
FM (30°-60°)	7103.8	29.2			
FH (60°-80°)	8595.0	35.3			G4/12000
FVH (80°-90°)	828.2	3.4			G5
BL (0°-30°)	1347.9	5.5	B3/2500		
BM (30°-60°)	2991.3	12.3	B3/5000		
BH (60°-80°)	1673.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	177.2	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°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
2.5°	3601.5	3573.9	3546.3	3516.9	3487.6	3458.0	3428.4	3400.2	3371.9	3344.5
5°	3872.7	3811.7	3750.6	3689.7	3628.9	3567.6	3506.4	3449.3	3392.1	3338.1
7.5°	4145.2	4044.4	3943.8	3850.7	3757.7	3667.1	3576.5	3496.7	3416.9	3343.2
10°	4354.0	4226.6	4099.3	3976.3	3853.4	3743.4	3633.3	3539.0	3444.4	3353.5
12.5°	4481.9	4341.9	4202.1	4062.8	3923.5	3793.7	3663.9	3557.1	3450.3	3354.8
15°	4559.6	4413.7	4267.9	4116.8	3965.6	3816.2	3666.7	3543.1	3419.4	3313.7
17.5°	4603.3	4455.4	4307.5	4142.6	3977.7	3804.2	3630.7	3482.0	3333.3	3208.9
20°	4651.5	4497.8	4344.0	4162.8	3981.6	3771.3	3561.1	3376.8	3192.5	3047.7
22.5°	4707.4	4550.4	4393.2	4190.0	3986.7	3731.0	3475.2	3253.3	3031.3	2866.5
25°	4779.4	4625.4	4471.6	4239.4	4007.0	3691.1	3375.4	3115.4	2855.5	2686.5
27.5°	4877.0	4730.3	4583.4	4316.5	4049.4	3664.5	3279.6	2989.3	2699.0	2545.2
30°	5008.8	4866.9	4725.1	4416.3	4107.5	3652.1	3196.4	2883.9	2571.5	2442.4
32.5°	5164.3	5023.8	4883.5	4520.5	4157.6	3636.6	3115.4	2793.1	2470.6	2366.5
35°	5353.2	5218.7	5084.2	4639.3	4194.4	3607.6	3021.1	2703.8	2386.5	2299.7
37.5°	5671.2	5499.8	5328.4	4772.3	4216.2	3557.9	2899.5	2598.6	2297.8	2222.0
40°	6151.9	5902.0	5652.2	4941.2	4230.0	3489.4	2748.9	2473.2	2197.6	2128.8
42.5°	6789.3	6428.7	6068.1	5162.1	4256.1	3418.7	2581.5	2334.8	2088.1	2024.7
45°	7576.4	7090.0	6603.6	5452.8	4301.9	3353.0	2404.2	2187.8	1971.4	1907.1
47.5°	8560.8	7876.2	7191.5	5762.5	4333.4	3298.8	2264.1	2071.5	1878.8	1796.0
50°	9851.1	8819.0	7786.8	6049.8	4312.9	3239.7	2166.5	1994.2	1822.0	1713.1
52.5°	11332.2	9809.3	8286.5	6236.4	4186.3	3139.8	2093.5	1943.4	1793.4	1668.1
55°	12909.0	10687.3	8465.7	6195.3	3924.8	2974.3	2023.8	1906.5	1789.1	1672.6
57.5°	14343.2	11309.6	8275.9	5905.9	3536.0	2740.9	1945.7	1862.8	1779.9	1677.1
60°	15210.0	11465.1	7720.0	5367.3	3014.6	2437.9	1861.1	1796.0	1730.8	1662.9
62.5°	14769.9	10810.3	6850.7	4639.0	2427.3	2075.2	1723.1	1679.8	1636.6	1628.2
65°	13888.9	9883.9	5878.8	3896.0	1913.3	1748.9	1584.6	1564.1	1543.7	1544.7
67.5°	12708.5	8781.4	4854.2	3168.1	1482.0	1435.4	1388.6	1400.0	1411.3	1408.5
70°	11290.4	7578.4	3866.3	2494.4	1122.6	1135.9	1149.2	1202.1	1254.9	1254.9
72.5°	9600.5	6274.2	2948.1	1907.0	865.9	906.1	946.5	1021.5	1096.5	1109.1
75°	7462.7	4779.2	2095.8	1384.1	672.4	708.9	745.4	829.4	913.5	971.6
77.5°	5332.0	3345.0	1358.1	937.9	517.6	542.4	567.4	649.0	730.6	826.3
80°	3489.7	2155.1	820.5	604.3	388.1	398.4	408.7	477.8	546.8	661.2
82.5°	2028.6	1247.3	466.2	371.7	277.3	279.1	281.2	332.1	383.0	480.6
85°	892.5	561.1	229.8	198.7	167.7	166.8	165.8	203.0	240.3	312.9
87.5°	276.3	183.8	91.2	82.4	73.5	72.6	71.7	86.9	102.2	132.4
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°
3349.0	0°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
3314.1	2.5°	3289.4	3264.8	3242.6	3220.5	3201.1	3181.7	3162.2	3142.8	3127.7	3112.6
3284.8	5°	3238.2	3191.6	3152.5	3113.6	3079.1	3044.7	3013.5	2982.1	2958.1	2933.9
3274.2	7.5°	3212.3	3150.5	3099.1	3047.7	3004.4	2960.9	2922.6	2884.5	2855.8	2827.3
3279.4	10°	3214.1	3148.8	3097.4	3046.0	2999.3	2952.6	2909.5	2866.5	2832.3	2798.0
3285.8	12.5°	3232.3	3179.1	3144.9	3111.0	3074.3	3037.8	2993.2	2948.7	2905.0	2861.3
3258.4	15°	3232.8	3207.4	3212.0	3216.7	3207.1	3197.6	3159.0	3120.3	3058.1	2995.9
3174.9	17.5°	3184.3	3193.5	3249.6	3305.6	3335.4	3365.1	3333.9	3302.8	3220.4	3138.0
3038.7	20°	3082.4	3126.1	3223.3	3320.7	3383.1	3445.4	3431.0	3416.5	3322.3	3228.2
2884.1	22.5°	2948.7	3013.3	3124.4	3235.7	3316.8	3397.9	3406.6	3415.2	3325.2	3235.3
2734.1	25°	2808.6	2883.2	2983.0	3083.0	3162.8	3242.6	3272.4	3302.1	3228.3	3154.7
2603.0	27.5°	2675.0	2746.9	2829.1	2911.1	2975.1	3039.1	3072.2	3105.5	3052.9	3000.5
2487.7	30°	2544.8	2602.1	2670.2	2738.3	2791.4	2844.6	2871.6	2898.6	2858.6	2818.5
2386.7	32.5°	2420.5	2454.3	2508.7	2563.2	2614.1	2665.1	2695.0	2725.1	2688.3	2651.5
2291.4	35°	2300.6	2310.0	2351.5	2392.9	2443.3	2493.8	2529.8	2565.7	2539.5	2513.4
2191.4	37.5°	2181.1	2170.8	2200.6	2230.3	2280.6	2331.0	2375.4	2419.9	2407.8	2395.7
2081.9	40°	2058.6	2035.4	2056.8	2078.3	2126.9	2175.5	2226.6	2277.9	2280.8	2283.7
1965.6	42.5°	1934.7	1903.9	1921.4	1939.0	1985.0	2031.1	2086.4	2141.7	2156.4	2171.2
1849.9	45°	1819.9	1789.9	1804.6	1819.5	1863.2	1906.9	1964.2	2021.5	2042.7	2063.9
1746.7	47.5°	1721.5	1696.4	1710.2	1724.0	1766.8	1809.4	1866.0	1922.5	1947.0	1971.4
1655.9	50°	1633.5	1611.3	1632.9	1654.6	1694.9	1735.2	1785.8	1836.4	1867.8	1899.2
1588.2	52.5°	1566.0	1544.1	1576.6	1609.0	1646.0	1682.9	1730.0	1777.3	1814.5	1851.6
1552.2	55°	1517.2	1482.4	1528.5	1574.5	1614.4	1654.2	1695.6	1736.8	1776.2	1815.6
1530.6	57.5°	1479.7	1428.8	1478.4	1528.0	1574.8	1621.6	1662.4	1703.4	1743.1	1782.7
1510.3	60°	1444.3	1378.3	1421.9	1465.3	1519.0	1572.7	1614.2	1655.9	1695.7	1735.6
1486.6	62.5°	1404.1	1321.7	1349.4	1377.0	1439.6	1502.3	1546.6	1591.0	1627.5	1664.0
1436.8	65°	1349.1	1261.3	1272.0	1282.5	1349.6	1416.8	1459.3	1501.7	1533.8	1565.9
1347.8	67.5°	1274.8	1201.8	1198.5	1195.2	1257.1	1319.2	1359.4	1399.5	1427.3	1455.0
1235.0	70°	1183.1	1131.2	1119.6	1108.0	1162.5	1217.0	1251.7	1286.4	1311.5	1336.5
1109.3	72.5°	1073.7	1038.1	1021.2	1004.3	1047.2	1090.0	1121.4	1152.8	1177.3	1201.8
966.7	75°	939.3	911.8	895.6	879.3	911.1	943.0	971.4	999.8	1022.2	1044.5
823.8	77.5°	801.8	779.8	763.4	746.9	772.9	798.7	823.1	847.5	871.1	894.4
660.8	80°	642.4	623.9	610.2	596.3	617.9	639.3	659.9	680.5	698.3	716.1
486.0	82.5°	477.0	468.0	458.3	448.5	446.7	444.9	437.7	430.5	468.6	506.6
320.0	85°	310.4	300.7	289.8	278.9	269.6	260.2	240.3	220.4	256.0	291.7
141.4	87.5°	137.5	133.7	131.6	129.5	129.2	128.8	113.6	98.3	113.2	128.3
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°
3349.0	0°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
3100.4	2.5°	3088.1	3078.6	3069.1	3060.4	3051.5	3040.6	3051.5	3060.4	3069.1	3078.6
2917.1	5°	2900.3	2888.3	2876.4	2867.2	2858.1	2849.1	2858.1	2867.2	2876.4	2888.3
2807.2	7.5°	2787.2	2773.4	2759.8	2751.6	2743.5	2737.3	2743.5	2751.6	2759.8	2773.4
2775.6	10°	2753.0	2740.0	2727.0	2720.1	2713.1	2710.3	2713.1	2720.1	2727.0	2740.0
2832.4	12.5°	2803.5	2789.0	2774.6	2768.7	2762.8	2761.7	2762.8	2768.7	2774.6	2789.0
2951.9	15°	2908.0	2887.8	2867.7	2860.0	2852.3	2851.7	2852.3	2860.0	2867.7	2887.8
3073.2	17.5°	3008.5	2978.7	2948.7	2938.9	2929.0	2927.5	2929.0	2938.9	2948.7	2978.7
3148.8	20°	3069.5	3031.3	2993.0	2980.8	2968.6	2964.8	2968.6	2980.8	2993.0	3031.3
3153.6	22.5°	3071.7	3031.5	2991.1	2977.6	2964.1	2958.3	2964.1	2977.6	2991.1	3031.5
3082.0	25°	3009.5	2974.5	2939.7	2927.0	2914.4	2906.9	2914.4	2927.0	2939.7	2974.5
2944.1	27.5°	2887.7	2864.3	2840.8	2835.0	2829.2	2827.3	2829.2	2835.0	2840.8	2864.3
2778.2	30°	2737.6	2725.6	2713.5	2713.5	2713.5	2715.5	2713.5	2713.5	2713.5	2725.6
2619.2	32.5°	2586.9	2579.1	2571.3	2572.3	2573.5	2575.4	2573.5	2572.3	2571.3	2579.1
2483.6	35°	2453.9	2442.0	2430.2	2427.6	2425.0	2423.7	2425.0	2427.6	2430.2	2442.0
2368.3	37.5°	2340.8	2319.1	2297.5	2286.1	2274.7	2268.2	2274.7	2286.1	2297.5	2319.1
2260.4	40°	2237.1	2205.5	2174.2	2152.8	2131.8	2119.2	2131.8	2152.8	2174.2	2205.5
2151.5	42.5°	2132.0	2092.8	2053.6	2022.7	1991.7	1971.4	1991.7	2022.7	2053.6	2092.8
2046.2	45°	2028.6	1983.7	1939.0	1902.6	1866.3	1842.9	1866.3	1902.6	1939.0	1983.7
1959.0	47.5°	1946.7	1906.9	1867.0	1833.4	1799.8	1777.3	1799.8	1833.4	1867.0	1906.9
1898.4	50°	1897.9	1866.0	1834.1	1803.0	1771.9	1750.3	1771.9	1803.0	1834.1	1866.0
1858.3	52.5°	1865.0	1839.0	1813.0	1785.2	1757.4	1737.5	1757.4	1785.2	1813.0	1839.0
1824.9	55°	1834.1	1811.5	1788.9	1764.5	1740.1	1722.1	1740.1	1764.5	1788.9	1811.5
1792.1	57.5°	1801.5	1778.6	1755.7	1731.6	1707.3	1688.6	1707.3	1731.6	1755.7	1778.6
1745.8	60°	1756.1	1733.8	1711.5	1686.6	1661.7	1642.4	1661.7	1686.6	1711.5	1733.8
1673.9	62.5°	1683.8	1663.6	1643.4	1617.2	1591.0	1567.8	1591.0	1617.2	1643.4	1663.6
1576.1	65°	1586.1	1566.7	1547.3	1521.8	1496.5	1476.6	1496.5	1521.8	1547.3	1566.7
1464.9	67.5°	1474.7	1456.8	1439.1	1415.4	1391.8	1373.8	1391.8	1415.4	1439.1	1456.8
1346.0	70°	1355.5	1341.0	1326.5	1303.9	1281.3	1260.7	1281.3	1303.9	1326.5	1341.0
1213.2	72.5°	1224.5	1212.4	1200.3	1178.7	1157.3	1137.3	1157.3	1178.7	1200.3	1212.4
1056.4	75°	1068.2	1062.3	1056.4	1038.2	1020.1	1001.1	1020.1	1038.2	1056.4	1062.3
905.5	77.5°	916.5	908.3	899.8	881.6	863.3	848.2	863.3	881.6	899.8	908.3
730.7	80°	745.4	741.8	738.3	713.8	689.1	660.6	689.1	713.8	738.3	741.8
531.5	82.5°	556.5	554.9	553.2	532.6	511.7	493.5	511.7	532.6	553.2	554.9
322.6	85°	353.4	350.8	348.3	332.1	315.9	299.4	315.9	332.1	348.3	350.8
140.7	87.5°	153.2	150.1	146.8	138.5	130.1	122.1	130.1	138.5	146.8	150.1
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3349.0	0°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
3088.1	2.5°	3100.4	3112.6	3127.7	3142.8	3162.2	3181.7	3201.1	3220.5	3242.6	3264.8
2900.3	5°	2917.1	2933.9	2958.1	2982.1	3013.5	3044.7	3079.1	3113.6	3152.5	3191.6
2787.2	7.5°	2807.2	2827.3	2855.8	2884.5	2922.6	2960.9	3004.4	3047.7	3099.1	3150.5
2753.0	10°	2775.6	2798.0	2832.3	2866.5	2909.5	2952.6	2999.3	3046.0	3097.4	3148.8
2803.5	12.5°	2832.4	2861.3	2905.0	2948.7	2993.2	3037.8	3074.3	3111.0	3144.9	3179.1
2908.0	15°	2951.9	2995.9	3058.1	3120.3	3159.0	3197.6	3207.1	3216.7	3212.0	3207.4
3008.5	17.5°	3073.2	3138.0	3220.4	3302.8	3333.9	3365.1	3335.4	3305.6	3249.6	3193.5
3069.5	20°	3148.8	3228.2	3322.3	3416.5	3431.0	3445.4	3383.1	3320.7	3223.3	3126.1
3071.7	22.5°	3153.6	3235.3	3325.2	3415.2	3406.6	3397.9	3316.8	3235.7	3124.4	3013.3
3009.5	25°	3082.0	3154.7	3228.3	3302.1	3272.4	3242.6	3162.8	3083.0	2983.0	2883.2
2887.7	27.5°	2944.1	3000.5	3052.9	3105.5	3072.2	3039.1	2975.1	2911.1	2829.1	2746.9
2737.6	30°	2778.2	2818.5	2858.6	2898.6	2871.6	2844.6	2791.4	2738.3	2670.2	2602.1
2586.9	32.5°	2619.2	2651.5	2688.3	2725.1	2695.0	2665.1	2614.1	2563.2	2508.7	2454.3
2453.9	35°	2483.6	2513.4	2539.5	2565.7	2529.8	2493.8	2443.3	2392.9	2351.5	2310.0
2340.8	37.5°	2368.3	2395.7	2407.8	2419.9	2375.4	2331.0	2280.6	2230.3	2200.6	2170.8
2237.1	40°	2260.4	2283.7	2280.8	2277.9	2226.6	2175.5	2126.9	2078.3	2056.8	2035.4
2132.0	42.5°	2151.5	2171.2	2156.4	2141.7	2086.4	2031.1	1985.0	1939.0	1921.4	1903.9
2028.6	45°	2046.2	2063.9	2042.7	2021.5	1964.2	1906.9	1863.2	1819.5	1804.6	1789.9
1946.7	47.5°	1959.0	1971.4	1947.0	1922.5	1866.0	1809.4	1766.8	1724.0	1710.2	1696.4
1897.9	50°	1898.4	1899.2	1867.8	1836.4	1785.8	1735.2	1694.9	1654.6	1632.9	1611.3
1865.0	52.5°	1858.3	1851.6	1814.5	1777.3	1730.0	1682.9	1646.0	1609.0	1576.6	1544.1
1834.1	55°	1824.9	1815.6	1776.2	1736.8	1695.6	1654.2	1614.4	1574.5	1528.5	1482.4
1801.5	57.5°	1792.1	1782.7	1743.1	1703.4	1662.4	1621.6	1574.8	1528.0	1478.4	1428.8
1756.1	60°	1745.8	1735.6	1695.7	1655.9	1614.2	1572.7	1519.0	1465.3	1421.9	1378.3
1683.8	62.5°	1673.9	1664.0	1627.5	1591.0	1546.6	1502.3	1439.6	1377.0	1349.4	1321.7
1586.1	65°	1576.1	1565.9	1533.8	1501.7	1459.3	1416.8	1349.6	1282.5	1272.0	1261.3
1474.7	67.5°	1464.9	1455.0	1427.3	1399.5	1359.4	1319.2	1257.1	1195.2	1198.5	1201.8
1355.5	70°	1346.0	1336.5	1311.5	1286.4	1251.7	1217.0	1162.5	1108.0	1119.6	1131.2
1224.5	72.5°	1213.2	1201.8	1177.3	1152.8	1121.4	1090.0	1047.2	1004.3	1021.2	1038.1
1068.2	75°	1056.4	1044.5	1022.2	999.8	971.4	943.0	911.1	879.3	895.6	911.8
916.5	77.5°	905.5	894.4	871.1	847.5	823.1	798.7	772.9	746.9	763.4	779.8
745.4	80°	730.7	716.1	698.3	680.5	659.9	639.3	617.9	596.3	610.2	623.9
556.5	82.5°	531.5	506.6	468.6	430.5	437.7	444.9	446.7	448.5	458.3	468.0
353.4	85°	322.6	291.7	256.0	220.4	240.3	260.2	269.6	278.9	289.8	300.7
153.2	87.5°	140.7	128.3	113.2	98.3	113.6	128.8	129.2	129.5	131.6	133.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3349.0	0°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
3289.4	2.5°	3314.1	3344.5	3371.9	3400.2	3428.4	3458.0	3487.6	3516.9	3546.3	3573.9
3238.2	5°	3284.8	3338.1	3392.1	3449.3	3506.4	3567.6	3628.9	3689.7	3750.6	3811.7
3212.3	7.5°	3274.2	3343.2	3416.9	3496.7	3576.5	3667.1	3757.7	3850.7	3943.8	4044.4
3214.1	10°	3279.4	3353.5	3444.4	3539.0	3633.3	3743.4	3853.4	3976.3	4099.3	4226.6
3232.3	12.5°	3285.8	3354.8	3450.3	3557.1	3663.9	3793.7	3923.5	4062.8	4202.1	4341.9
3232.8	15°	3258.4	3313.7	3419.4	3543.1	3666.7	3816.2	3965.6	4116.8	4267.9	4413.7
3184.3	17.5°	3174.9	3208.9	3333.3	3482.0	3630.7	3804.2	3977.7	4142.6	4307.5	4455.4
3082.4	20°	3038.7	3047.7	3192.5	3376.8	3561.1	3771.3	3981.6	4162.8	4344.0	4497.8
2948.7	22.5°	2884.1	2866.5	3031.3	3253.3	3475.2	3731.0	3986.7	4190.0	4393.2	4550.4
2808.6	25°	2734.1	2686.5	2855.5	3115.4	3375.4	3691.1	4007.0	4239.4	4471.6	4625.4
2675.0	27.5°	2603.0	2545.2	2699.0	2989.3	3279.6	3664.5	4049.4	4316.5	4583.4	4730.3
2544.8	30°	2487.7	2442.4	2571.5	2883.9	3196.4	3652.1	4107.5	4416.3	4725.1	4866.9
2420.5	32.5°	2386.7	2366.5	2470.6	2793.1	3115.4	3636.6	4157.6	4520.5	4883.5	5023.8
2300.6	35°	2291.4	2299.7	2386.5	2703.8	3021.1	3607.6	4194.4	4639.3	5084.2	5218.7
2181.1	37.5°	2191.4	2222.0	2297.8	2598.6	2899.5	3557.9	4216.2	4772.3	5328.4	5499.8
2058.6	40°	2081.9	2128.8	2197.6	2473.2	2748.9	3489.4	4230.0	4941.2	5652.2	5902.0
1934.7	42.5°	1965.6	2024.7	2088.1	2334.8	2581.5	3418.7	4256.1	5162.1	6068.1	6428.7
1819.9	45°	1849.9	1907.1	1971.4	2187.8	2404.2	3353.0	4301.9	5452.8	6603.6	7090.0
1721.5	47.5°	1746.7	1796.0	1878.8	2071.5	2264.1	3298.8	4333.4	5762.5	7191.5	7876.2
1633.5	50°	1655.9	1713.1	1822.0	1994.2	2166.5	3239.7	4312.9	6049.8	7786.8	8819.0
1566.0	52.5°	1588.2	1668.1	1793.4	1943.4	2093.5	3139.8	4186.3	6236.4	8286.5	9809.3
1517.2	55°	1552.2	1672.6	1789.1	1906.5	2023.8	2974.3	3924.8	6195.3	8465.7	10687.3
1479.7	57.5°	1530.6	1677.1	1779.9	1862.8	1945.7	2740.9	3536.0	5905.9	8275.9	11309.6
1444.3	60°	1510.3	1662.9	1730.8	1796.0	1861.1	2437.9	3014.6	5367.3	7720.0	11465.1
1404.1	62.5°	1486.6	1628.2	1636.6	1679.8	1723.1	2075.2	2427.3	4639.0	6850.7	10810.3
1349.1	65°	1436.8	1544.7	1543.7	1564.1	1584.6	1748.9	1913.3	3896.0	5878.8	9883.9
1274.8	67.5°	1347.8	1408.5	1411.3	1400.0	1388.6	1435.4	1482.0	3168.1	4854.2	8781.4
1183.1	70°	1235.0	1254.9	1254.9	1202.1	1149.2	1135.9	1122.6	2494.4	3866.3	7578.4
1073.7	72.5°	1109.3	1109.1	1096.5	1021.5	946.5	906.1	865.9	1907.0	2948.1	6274.2
939.3	75°	966.7	971.6	913.5	829.4	745.4	708.9	672.4	1384.1	2095.8	4779.2
801.8	77.5°	823.8	826.3	730.6	649.0	567.4	542.4	517.6	937.9	1358.1	3345.0
642.4	80°	660.8	661.2	546.8	477.8	408.7	398.4	388.1	604.3	820.5	2155.1
477.0	82.5°	486.0	480.6	383.0	332.1	281.2	279.1	277.3	371.7	466.2	1247.3
310.4	85°	320.0	312.9	240.3	203.0	165.8	166.8	167.7	198.7	229.8	561.1
137.5	87.5°	141.4	132.4	102.2	86.9	71.7	72.6	73.5	82.4	91.2	183.8
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3349.0	0°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
3601.5	2.5°	3615.2	3628.9	3648.3	3667.7	3679.3	3690.9	3696.6	3702.4	3699.9	3702.4
3872.7	5°	3920.4	3968.2	4015.5	4062.9	4088.6	4114.3	4129.9	4145.5	4157.4	4145.5
4145.2	7.5°	4222.8	4300.3	4370.0	4439.8	4481.9	4523.9	4546.6	4569.2	4580.2	4569.2
4354.0	10°	4445.7	4537.5	4619.4	4701.2	4750.8	4800.2	4822.3	4844.3	4852.6	4844.3
4481.9	12.5°	4581.3	4680.7	4754.7	4828.5	4864.4	4900.4	4912.5	4924.6	4925.9	4924.6
4559.6	15°	4645.5	4731.2	4777.6	4824.1	4825.4	4826.7	4813.8	4801.0	4785.8	4801.0
4603.3	17.5°	4661.3	4719.2	4720.1	4720.9	4668.8	4616.8	4569.1	4521.3	4487.6	4521.3
4651.5	20°	4671.7	4692.0	4630.9	4569.9	4455.0	4340.1	4256.4	4172.8	4121.4	4172.8
4707.4	22.5°	4680.9	4654.4	4528.0	4401.5	4232.5	4063.5	3958.9	3854.3	3797.5	3854.3
4779.4	25°	4695.8	4612.3	4420.3	4228.3	4023.1	3817.8	3707.8	3598.1	3544.4	3598.1
4877.0	27.5°	4727.7	4578.2	4323.9	4069.7	3842.3	3614.8	3506.6	3398.5	3347.7	3398.5
5008.8	30°	4786.0	4563.5	4250.4	3937.4	3700.4	3463.4	3363.0	3262.7	3215.4	3262.7
5164.3	32.5°	4859.3	4554.5	4200.3	3846.1	3623.4	3400.7	3321.9	3243.0	3208.9	3243.0
5353.2	35°	4980.0	4606.9	4237.8	3868.9	3714.1	3559.5	3541.1	3522.8	3519.9	3522.8
5671.2	37.5°	5232.2	4793.2	4457.8	4122.4	4112.4	4102.4	4186.4	4270.5	4314.1	4270.5
6151.9	40°	5674.4	5197.0	4947.6	4698.1	4874.2	5050.3	5254.6	5458.9	5560.7	5458.9
6789.3	42.5°	6315.6	5841.9	5698.2	5554.5	5938.5	6322.5	6694.2	7065.8	7284.1	7065.8
7576.4	45°	7150.9	6725.3	6661.9	6598.4	7213.6	7828.9	8439.6	9050.5	9421.2	9050.5
8560.8	47.5°	8146.9	7732.8	7720.0	7707.1	8594.6	9481.9	10375.9	11269.9	11794.8	11269.9
9851.1	50°	9339.7	8828.5	8830.7	8832.9	9976.6	11120.4	12300.5	13480.6	14194.1	13480.6
11332.2	52.5°	10713.0	10094.0	10031.4	9968.7	11334.9	12701.1	14161.2	15621.3	16476.5	15621.3
12909.0	55°	12297.3	11685.6	11441.6	11197.5	12718.1	14238.5	15979.2	17719.9	18737.0	17719.9
14343.2	57.5°	14010.1	13676.9	13187.4	12698.0	14233.3	15768.7	17740.3	19711.8	20973.2	19711.8
15210.0	60°	15727.4	16244.9	15637.1	15029.2	16482.2	17935.1	20046.1	22157.0	23520.3	22157.0
14769.9	62.5°	16183.6	17597.4	17528.9	17460.3	18791.3	20122.4	22130.8	24139.0	25399.1	24139.0
13888.9	65°	15215.8	16542.7	16805.3	17067.7	18759.2	20450.8	22398.2	24345.6	25418.4	24345.6
12708.5	67.5°	13970.5	15232.5	15355.6	15478.6	17241.0	19003.3	20959.1	22915.0	23755.4	22915.0
11290.4	70°	12663.1	14035.8	14090.8	14146.0	15722.0	17298.0	18981.1	20664.1	21131.2	20664.1
9600.5	72.5°	11175.7	12751.0	12790.5	12830.0	14063.1	15296.1	16556.7	17817.2	17864.5	17817.2
7462.7	75°	9093.0	10723.3	10869.7	11016.0	11975.4	12934.7	13822.1	14709.5	14471.7	14709.5
5332.0	77.5°	6853.8	8375.8	8585.2	8794.7	9524.0	10253.3	10882.7	11512.1	11103.4	11512.1
3489.7	80°	4770.1	6050.3	6310.7	6571.1	7121.9	7672.4	8003.0	8333.4	7676.0	8333.4
2028.6	82.5°	2903.9	3779.3	4070.1	4361.1	4740.2	5119.3	5257.2	5394.9	4878.3	5394.9
892.5	85°	1357.1	1821.7	2069.0	2316.4	2627.9	2939.3	3017.6	3095.9	2682.0	3095.9
276.3	87.5°	432.4	588.6	726.6	864.6	1020.4	1176.1	1182.8	1189.4	998.5	1189.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
3349.0	0°	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0	3349.0
3696.6	2.5°	3690.9	3679.3	3667.7	3648.3	3628.9	3615.2	3601.5
4129.9	5°	4114.3	4088.6	4062.9	4015.5	3968.2	3920.4	3872.7
4546.6	7.5°	4523.9	4481.9	4439.8	4370.0	4300.3	4222.8	4145.2
4822.3	10°	4800.2	4750.8	4701.2	4619.4	4537.5	4445.7	4354.0
4912.5	12.5°	4900.4	4864.4	4828.5	4754.7	4680.7	4581.3	4481.9
4813.8	15°	4826.7	4825.4	4824.1	4777.6	4731.2	4645.5	4559.6
4569.1	17.5°	4616.8	4668.8	4720.9	4720.1	4719.2	4661.3	4603.3
4256.4	20°	4340.1	4455.0	4569.9	4630.9	4692.0	4671.7	4651.5
3958.9	22.5°	4063.5	4232.5	4401.5	4528.0	4654.4	4680.9	4707.4
3707.8	25°	3817.8	4023.1	4228.3	4420.3	4612.3	4695.8	4779.4
3506.6	27.5°	3614.8	3842.3	4069.7	4323.9	4578.2	4727.7	4877.0
3363.0	30°	3463.4	3700.4	3937.4	4250.4	4563.5	4786.0	5008.8
3321.9	32.5°	3400.7	3623.4	3846.1	4200.3	4554.5	4859.3	5164.3
3541.1	35°	3559.5	3714.1	3868.9	4237.8	4606.9	4980.0	5353.2
4186.4	37.5°	4102.4	4112.4	4122.4	4457.8	4793.2	5232.2	5671.2
5254.6	40°	5050.3	4874.2	4698.1	4947.6	5197.0	5674.4	6151.9
6694.2	42.5°	6322.5	5938.5	5554.5	5698.2	5841.9	6315.6	6789.3
8439.6	45°	7828.9	7213.6	6598.4	6661.9	6725.3	7150.9	7576.4
10375.9	47.5°	9481.9	8594.6	7707.1	7720.0	7732.8	8146.9	8560.8
12300.5	50°	11120.4	9976.6	8832.9	8830.7	8828.5	9339.7	9851.1
14161.2	52.5°	12701.1	11334.9	9968.7	10031.4	10094.0	10713.0	11332.2
15979.2	55°	14238.5	12718.1	11197.5	11441.6	11685.6	12297.3	12909.0
17740.3	57.5°	15768.7	14233.3	12698.0	13187.4	13676.9	14010.1	14343.2
20046.1	60°	17935.1	16482.2	15029.2	15637.1	16244.9	15727.4	15210.0
22130.8	62.5°	20122.4	18791.3	17460.3	17528.9	17597.4	16183.6	14769.9
22398.2	65°	20450.8	18759.2	17067.7	16805.3	16542.7	15215.8	13888.9
20959.1	67.5°	19003.3	17241.0	15478.6	15355.6	15232.5	13970.5	12708.5
18981.1	70°	17298.0	15722.0	14146.0	14090.8	14035.8	12663.1	11290.4
16556.7	72.5°	15296.1	14063.1	12830.0	12790.5	12751.0	11175.7	9600.5
13822.1	75°	12934.7	11975.4	11016.0	10869.7	10723.3	9093.0	7462.7
10882.7	77.5°	10253.3	9524.0	8794.7	8585.2	8375.8	6853.8	5332.0
8003.0	80°	7672.4	7121.9	6571.1	6310.7	6050.3	4770.1	3489.7
5257.2	82.5°	5119.3	4740.2	4361.1	4070.1	3779.3	2903.9	2028.6
3017.6	85°	2939.3	2627.9	2316.4	2069.0	1821.7	1357.1	892.5
1182.8	87.5°	1176.1	1020.4	864.6	726.6	588.6	432.4	276.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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