

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: P952654

Luminaire Tested: **GALN-SB6B-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952654
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-SB6B-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24656 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

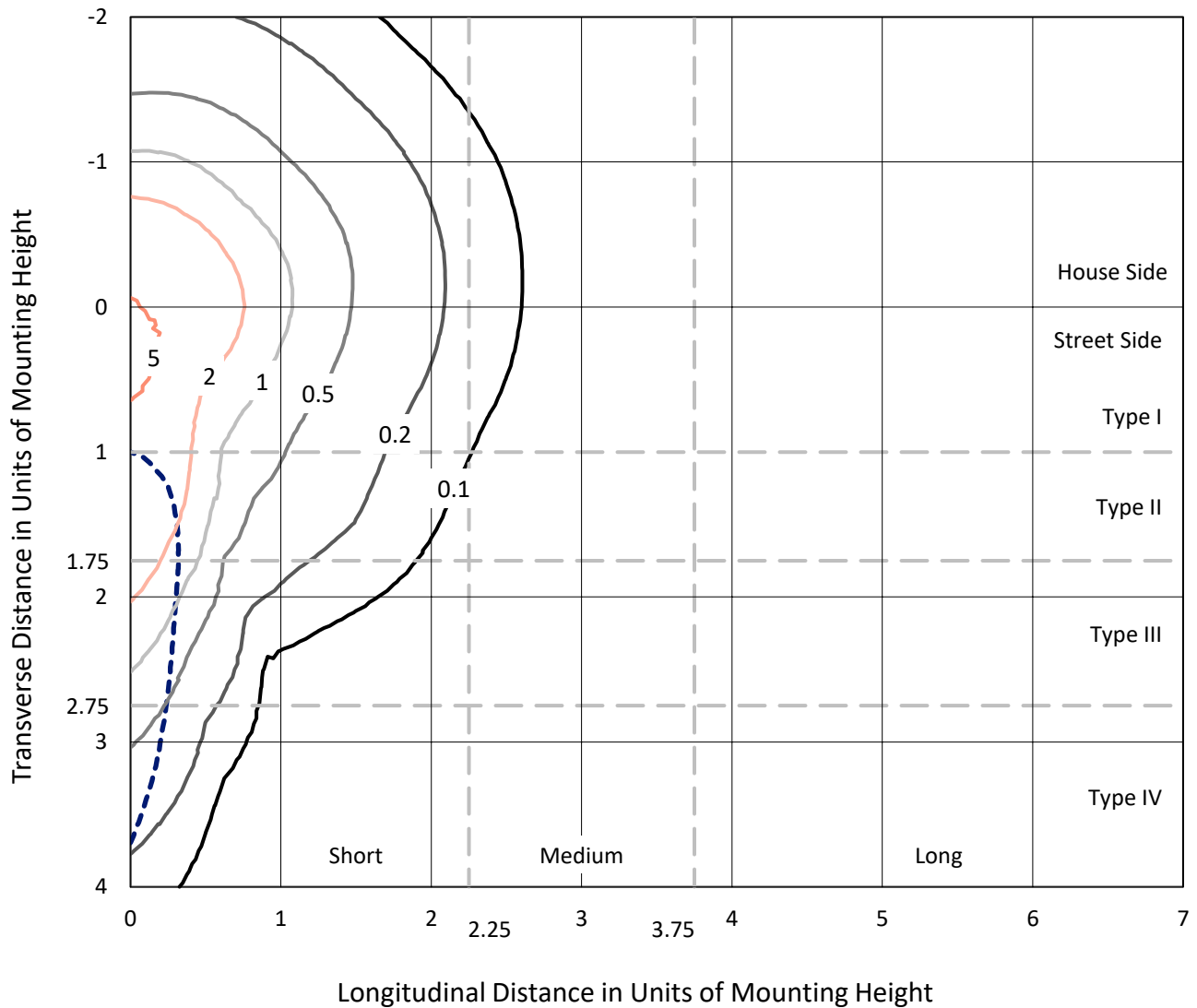
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

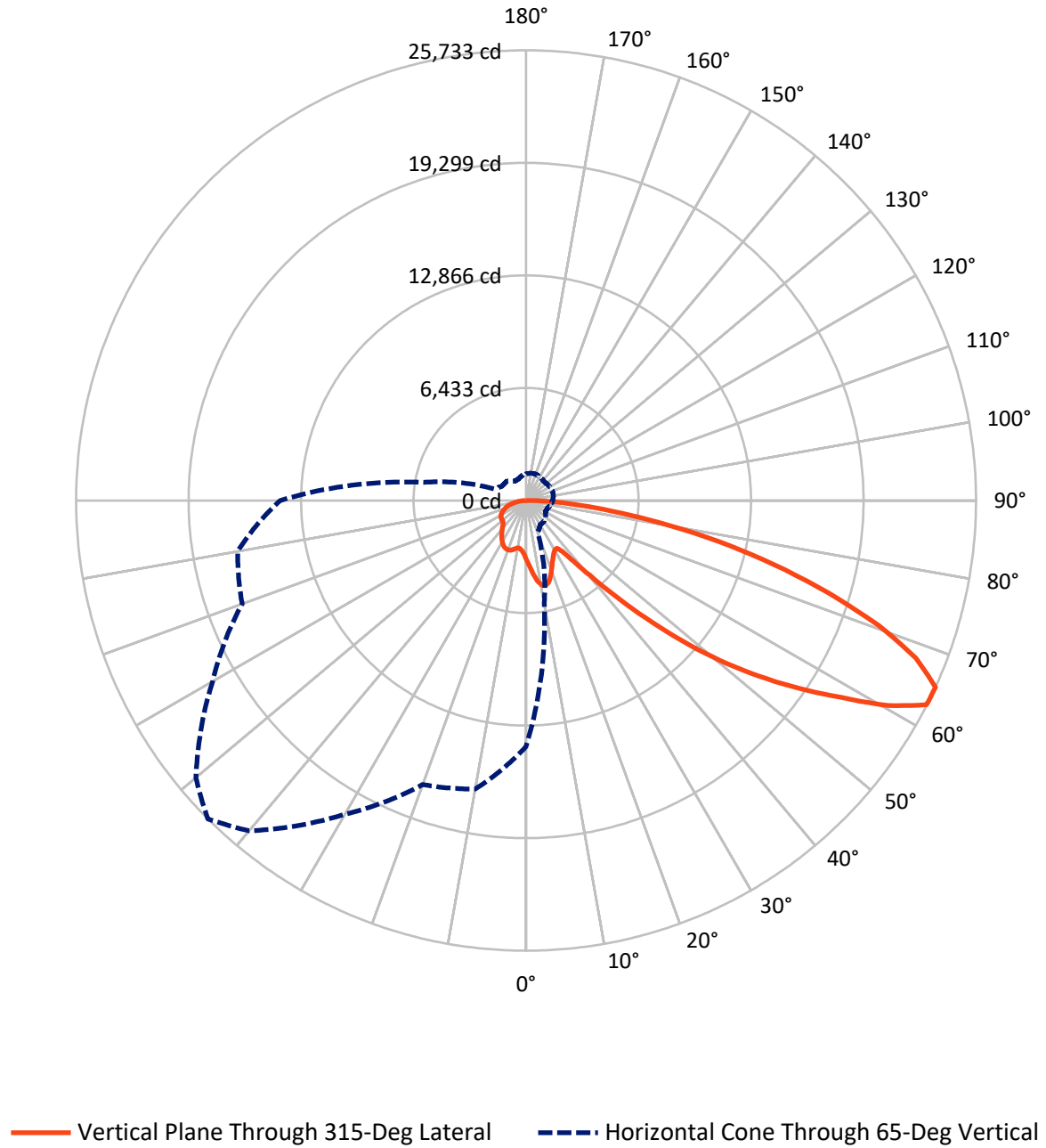
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	6266.3	0.0	6266.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18389.7	0.0	18389.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	24656.0	0.0	24656.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.3	1.4
10°-20°	1055.8	4.3
20°-30°	1630.8	6.6
30°-40°	2066.7	8.4
40°-50°	3117.1	12.6
50°-60°	5036.1	20.4
60°-70°	6278.3	25.5
70°-80°	4117.0	16.7
80°-90°	1017.8	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°	24656.0	100.0
0°-180°	24656.0	100.0



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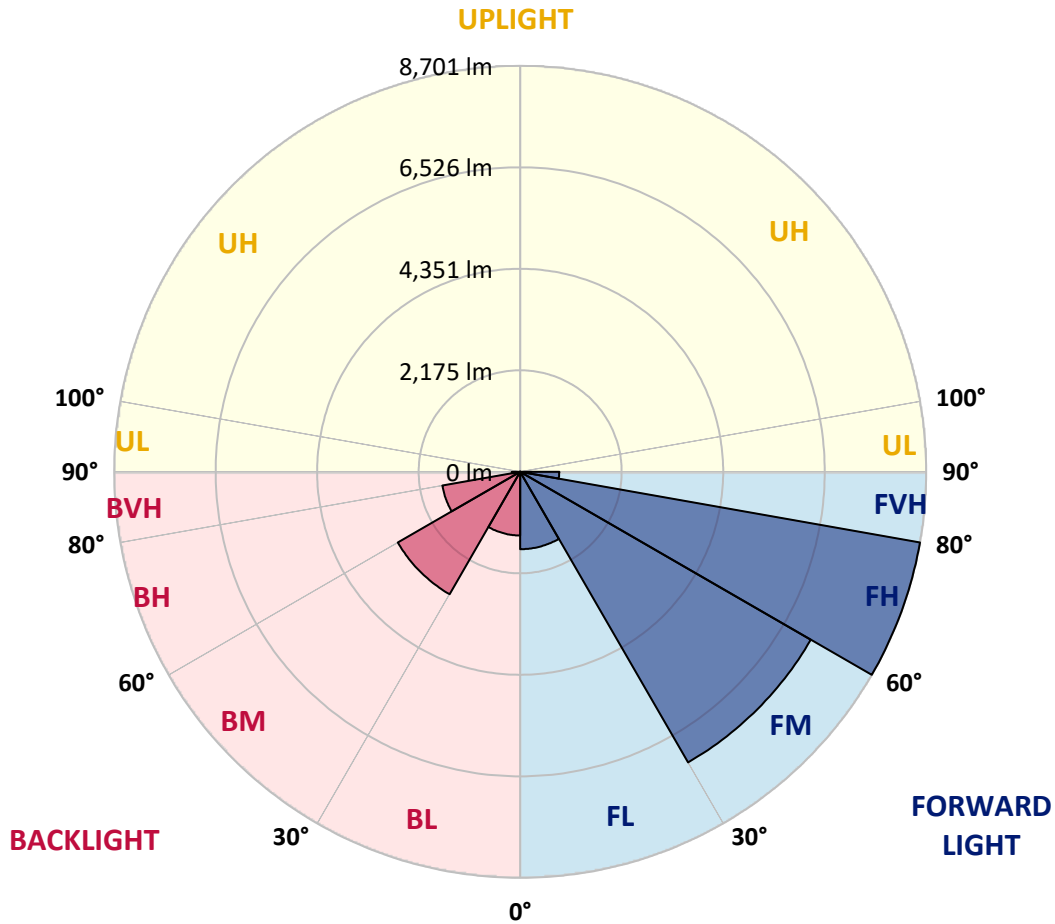
CATALOG NUMBER: GALN-SB6B-940-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1658.4	6.7			
FM (30°-60°)	7191.6	29.2			
FH (60°-80°)	8701.2	35.3			G4/12000
FVH (80°-90°)	838.5	3.4			G5
BL (0°-30°)	1364.6	5.5	B3/2500		
BM (30°-60°)	3028.3	12.3	B3/5000		
BH (60°-80°)	1694.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	179.4	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°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
2.5°	3646.1	3618.1	3590.1	3560.3	3530.7	3500.7	3470.8	3442.2	3413.6	3385.9
5°	3920.6	3858.8	3797.0	3735.3	3673.8	3611.7	3549.8	3491.9	3434.0	3379.4
7.5°	4196.4	4094.4	3992.5	3898.3	3804.1	3712.4	3620.7	3539.9	3459.1	3384.6
10°	4407.8	4278.9	4149.9	4025.4	3901.1	3789.7	3678.2	3582.7	3486.9	3395.0
12.5°	4537.2	4395.6	4254.0	4113.0	3972.0	3840.6	3709.2	3601.0	3492.9	3396.3
15°	4616.0	4468.3	4320.6	4167.6	4014.6	3863.3	3712.0	3586.9	3461.7	3354.6
17.5°	4660.2	4510.4	4360.7	4193.8	4026.9	3851.2	3675.6	3525.1	3374.5	3248.6
20°	4709.0	4553.4	4397.6	4214.2	4030.8	3817.9	3605.1	3418.5	3232.0	3085.3
22.5°	4765.6	4606.6	4447.5	4241.8	4036.0	3777.1	3518.2	3293.5	3068.8	2901.9
25°	4838.4	4682.6	4526.8	4291.7	4056.5	3736.7	3417.1	3153.9	2890.8	2719.7
27.5°	4937.3	4788.7	4640.0	4369.8	4099.5	3709.8	3320.2	3026.3	2732.4	2576.6
30°	5070.7	4927.0	4783.5	4470.9	4158.3	3697.2	3235.9	2919.6	2603.3	2472.6
32.5°	5228.1	5085.9	4943.8	4576.4	4209.0	3681.6	3153.9	2827.6	2501.2	2395.8
35°	5419.3	5283.2	5147.0	4696.6	4246.2	3652.2	3058.4	2737.2	2416.0	2328.1
37.5°	5741.3	5567.8	5394.2	4831.3	4268.3	3601.8	2935.3	2630.8	2326.2	2249.4
40°	6227.9	5975.0	5722.1	5002.2	4282.2	3532.5	2782.8	2503.8	2224.7	2155.1
42.5°	6873.2	6508.1	6143.1	5225.9	4308.7	3460.9	2613.5	2363.7	2113.9	2049.7
45°	7670.1	7177.6	6685.2	5520.2	4355.1	3394.4	2433.9	2214.8	1995.7	1930.7
47.5°	8666.6	7973.6	7280.4	5833.7	4387.0	3339.5	2292.1	2097.1	1902.1	1818.2
50°	9972.8	8928.0	7883.0	6124.6	4366.2	3279.7	2193.2	2018.9	1844.6	1734.2
52.5°	11472.2	9930.6	8388.9	6313.5	4238.0	3178.6	2119.3	1967.4	1815.5	1688.7
55°	13068.6	10819.4	8570.4	6271.9	3973.3	3011.0	2048.8	1930.0	1811.3	1693.3
57.5°	14520.5	11449.3	8378.2	5978.9	3579.7	2774.8	1969.7	1885.8	1801.9	1697.8
60°	15398.0	11606.8	7815.4	5433.6	3051.9	2468.0	1884.1	1818.2	1752.2	1683.5
62.5°	14952.4	10943.9	6935.4	4696.4	2457.3	2100.9	1744.4	1700.5	1656.8	1648.4
65°	14060.6	10006.0	5951.4	3944.1	1936.9	1770.5	1604.1	1583.5	1562.8	1563.8
67.5°	12865.6	8889.9	4914.1	3207.2	1500.3	1453.1	1405.7	1417.3	1428.8	1425.9
70°	11430.0	7672.0	3914.1	2525.2	1136.4	1150.0	1163.4	1217.0	1270.4	1270.4
72.5°	9719.1	6351.8	2984.5	1930.6	876.6	917.3	958.2	1034.2	1110.0	1122.8
75°	7554.9	4838.3	2121.7	1401.2	680.7	717.6	754.6	839.7	924.8	983.6
77.5°	5397.9	3386.4	1374.9	949.5	524.0	549.2	574.4	657.0	739.6	836.5
80°	3532.9	2181.8	830.7	611.7	392.9	403.3	413.7	483.7	553.6	669.4
82.5°	2053.6	1262.8	472.0	376.2	280.8	282.6	284.7	336.2	387.7	486.6
85°	903.5	568.0	232.6	201.1	169.8	168.9	167.8	205.6	243.3	316.8
87.5°	279.7	186.0	92.4	83.4	74.4	73.5	72.6	87.9	103.4	134.0
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):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
3390.4	0°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
3355.0	2.5°	3330.0	3305.2	3282.7	3260.3	3240.7	3221.0	3201.2	3181.6	3166.4	3151.0
3325.4	5°	3278.3	3231.0	3191.5	3152.1	3117.2	3082.3	3050.7	3019.0	2994.6	2970.2
3314.7	7.5°	3252.0	3189.4	3137.4	3085.3	3041.5	2997.5	2958.7	2920.1	2891.1	2862.2
3319.9	10°	3253.8	3187.7	3135.7	3083.6	3036.4	2989.1	2945.5	2901.9	2867.3	2832.5
3326.4	12.5°	3272.3	3218.4	3183.8	3149.5	3112.3	3075.3	3030.2	2985.2	2940.9	2896.7
3298.7	15°	3272.8	3247.0	3251.7	3256.4	3246.8	3237.2	3198.0	3158.8	3095.9	3032.9
3214.1	17.5°	3223.6	3233.0	3289.7	3346.4	3376.6	3406.7	3375.1	3343.6	3260.2	3176.8
3076.2	20°	3120.5	3164.7	3263.2	3361.8	3424.9	3488.0	3473.4	3458.7	3363.4	3268.1
2919.7	22.5°	2985.2	3050.6	3163.0	3275.7	3357.8	3439.9	3448.7	3457.4	3366.3	3275.3
2767.9	25°	2843.3	2918.8	3019.9	3121.1	3201.9	3282.7	3312.9	3342.9	3268.2	3193.7
2635.2	27.5°	2708.0	2780.9	2864.0	2947.0	3011.8	3076.6	3110.2	3143.9	3090.7	3037.6
2518.5	30°	2576.2	2634.3	2703.2	2772.2	2825.9	2879.8	2907.1	2934.4	2893.9	2853.4
2416.2	32.5°	2450.4	2484.7	2539.7	2594.8	2646.4	2698.0	2728.3	2758.8	2721.6	2684.2
2319.7	35°	2329.1	2338.6	2380.6	2422.5	2473.5	2524.6	2561.0	2597.5	2570.9	2544.5
2218.5	37.5°	2208.1	2197.7	2227.8	2257.9	2308.8	2359.8	2404.8	2449.8	2437.6	2425.3
2107.6	40°	2084.1	2060.5	2082.3	2104.0	2153.2	2202.3	2254.1	2306.0	2309.0	2311.9
1989.9	42.5°	1958.7	1927.4	1945.1	1963.0	2009.5	2056.2	2112.2	2168.1	2183.1	2198.0
1872.8	45°	1842.3	1812.0	1826.9	1842.0	1886.2	1930.4	1988.5	2046.5	2067.9	2089.4
1768.3	47.5°	1742.8	1717.3	1731.4	1745.3	1788.6	1831.8	1889.1	1946.3	1971.0	1995.7
1676.3	50°	1653.7	1631.2	1653.1	1675.0	1715.9	1756.6	1807.9	1859.1	1890.9	1922.6
1607.8	52.5°	1585.4	1563.2	1596.1	1628.9	1666.3	1703.7	1751.4	1799.3	1836.9	1874.5
1571.4	55°	1536.0	1500.7	1547.4	1594.0	1634.3	1674.7	1716.5	1758.3	1798.1	1838.1
1549.5	57.5°	1498.0	1446.5	1496.7	1546.9	1594.2	1641.6	1683.0	1724.5	1764.7	1804.8
1528.9	60°	1462.2	1395.3	1439.4	1483.4	1537.8	1592.2	1634.2	1676.3	1716.7	1757.0
1505.0	62.5°	1421.5	1338.1	1366.1	1394.0	1457.4	1520.9	1565.8	1610.6	1647.6	1684.5
1454.5	65°	1365.8	1276.9	1287.7	1298.4	1366.3	1434.4	1477.3	1520.2	1552.7	1585.3
1364.5	67.5°	1290.6	1216.7	1213.3	1209.9	1272.6	1335.5	1376.2	1416.8	1444.9	1473.0
1250.3	70°	1197.7	1145.1	1133.4	1121.7	1176.9	1232.0	1267.2	1302.3	1327.7	1353.0
1123.0	72.5°	1087.0	1050.9	1033.8	1016.7	1060.2	1103.5	1135.3	1167.0	1191.8	1216.7
978.6	75°	950.9	923.1	906.7	890.1	922.4	954.7	983.4	1012.2	1034.8	1057.5
833.9	77.5°	811.7	789.4	772.8	756.1	782.4	808.6	833.3	858.0	881.8	905.5
669.0	80°	650.4	631.6	617.7	603.7	625.5	647.2	668.1	688.9	707.0	724.9
492.0	82.5°	482.9	473.8	463.9	454.0	452.2	450.4	443.1	435.8	474.3	512.9
323.9	85°	314.2	304.4	293.4	282.3	273.0	263.5	243.3	223.1	259.2	295.3
143.1	87.5°	139.2	135.3	133.2	131.1	130.8	130.4	115.0	99.5	114.6	129.8
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3390.4	0°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
3138.7	2.5°	3126.3	3116.7	3107.1	3098.2	3089.2	3078.2	3089.2	3098.2	3107.1	3116.7
2953.1	5°	2936.1	2924.0	2911.9	2902.7	2893.4	2884.3	2893.4	2902.7	2911.9	2924.0
2841.9	7.5°	2821.6	2807.7	2793.9	2785.6	2777.4	2771.1	2777.4	2785.6	2793.9	2807.7
2809.9	10°	2787.0	2773.9	2760.7	2753.7	2746.7	2743.8	2746.7	2753.7	2760.7	2773.9
2867.4	12.5°	2838.1	2823.4	2808.9	2802.9	2796.9	2795.9	2796.9	2802.9	2808.9	2823.4
2988.4	15°	2943.9	2923.5	2903.2	2895.4	2887.6	2886.9	2887.6	2895.4	2903.2	2923.5
3111.2	17.5°	3045.6	3015.5	2985.2	2975.3	2965.2	2963.7	2965.2	2975.3	2985.2	3015.5
3187.7	20°	3107.4	3068.8	3030.0	3017.7	3005.3	3001.4	3005.3	3017.7	3030.0	3068.8
3192.5	22.5°	3109.7	3068.9	3028.1	3014.4	3000.8	2994.9	3000.8	3014.4	3028.1	3068.9
3120.1	25°	3046.7	3011.3	2976.0	2963.2	2950.4	2942.9	2950.4	2963.2	2976.0	3011.3
2980.5	27.5°	2923.4	2899.7	2875.9	2870.0	2864.2	2862.2	2864.2	2870.0	2875.9	2899.7
2812.5	30°	2771.4	2759.3	2747.1	2747.1	2747.1	2749.0	2747.1	2747.1	2747.1	2759.3
2651.6	32.5°	2618.9	2611.0	2603.0	2604.1	2605.3	2607.2	2605.3	2604.1	2603.0	2611.0
2514.3	35°	2484.3	2472.2	2460.2	2457.6	2455.0	2453.7	2455.0	2457.6	2460.2	2472.2
2397.6	37.5°	2369.8	2347.8	2325.9	2314.4	2302.8	2296.3	2302.8	2314.4	2325.9	2347.8
2288.3	40°	2264.8	2232.8	2201.0	2179.4	2158.1	2145.4	2158.1	2179.4	2201.0	2232.8
2178.1	42.5°	2158.4	2118.7	2079.0	2047.6	2016.3	1995.7	2016.3	2047.6	2079.0	2118.7
2071.5	45°	2053.6	2008.2	1963.0	1926.1	1889.3	1865.6	1889.3	1926.1	1963.0	2008.2
1983.2	47.5°	1970.8	1930.4	1890.1	1856.0	1822.1	1799.3	1822.1	1856.0	1890.1	1930.4
1921.8	50°	1921.3	1889.1	1856.8	1825.3	1793.8	1772.0	1793.8	1825.3	1856.8	1889.1
1881.2	52.5°	1888.0	1861.7	1835.5	1807.2	1779.1	1759.0	1779.1	1807.2	1835.5	1861.7
1847.4	55°	1856.8	1833.9	1811.0	1786.3	1761.6	1743.3	1761.6	1786.3	1811.0	1833.9
1814.2	57.5°	1823.7	1800.6	1777.4	1753.0	1728.4	1709.5	1728.4	1753.0	1777.4	1800.6
1767.4	60°	1777.8	1755.2	1732.7	1707.4	1682.2	1662.7	1682.2	1707.4	1732.7	1755.2
1694.6	62.5°	1704.6	1684.1	1663.7	1637.2	1610.6	1587.2	1610.6	1637.2	1663.7	1684.1
1595.5	65°	1605.7	1586.1	1566.4	1540.6	1515.0	1494.9	1515.0	1540.6	1566.4	1586.1
1483.0	67.5°	1492.9	1474.8	1456.9	1432.9	1409.0	1390.8	1409.0	1432.9	1456.9	1474.8
1362.7	70°	1372.3	1357.6	1342.9	1320.0	1297.1	1276.3	1297.1	1320.0	1342.9	1357.6
1228.1	72.5°	1239.6	1227.4	1215.1	1193.3	1171.6	1151.4	1171.6	1193.3	1215.1	1227.4
1069.4	75°	1081.4	1075.4	1069.4	1051.1	1032.7	1013.5	1032.7	1051.1	1069.4	1075.4
916.7	77.5°	927.9	919.5	911.0	892.5	874.0	858.7	874.0	892.5	911.0	919.5
739.7	80°	754.6	750.9	747.4	722.6	697.6	668.7	697.6	722.6	747.4	750.9
538.1	82.5°	563.3	561.8	560.1	539.1	518.1	499.6	518.1	539.1	560.1	561.8
326.6	85°	357.8	355.2	352.6	336.2	319.8	303.1	319.8	336.2	352.6	355.2
142.5	87.5°	155.1	152.0	148.6	140.2	131.7	123.6	131.7	140.2	148.6	152.0
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°
3390.4	0°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
3126.3	2.5°	3138.7	3151.0	3166.4	3181.6	3201.2	3221.0	3240.7	3260.3	3282.7	3305.2
2936.1	5°	2953.1	2970.2	2994.6	3019.0	3050.7	3082.3	3117.2	3152.1	3191.5	3231.0
2821.6	7.5°	2841.9	2862.2	2891.1	2920.1	2958.7	2997.5	3041.5	3085.3	3137.4	3189.4
2787.0	10°	2809.9	2832.5	2867.3	2901.9	2945.5	2989.1	3036.4	3083.6	3135.7	3187.7
2838.1	12.5°	2867.4	2896.7	2940.9	2985.2	3030.2	3075.3	3112.3	3149.5	3183.8	3218.4
2943.9	15°	2988.4	3032.9	3095.9	3158.8	3198.0	3237.2	3246.8	3256.4	3251.7	3247.0
3045.6	17.5°	3111.2	3176.8	3260.2	3343.6	3375.1	3406.7	3376.6	3346.4	3289.7	3233.0
3107.4	20°	3187.7	3268.1	3363.4	3458.7	3473.4	3488.0	3424.9	3361.8	3263.2	3164.7
3109.7	22.5°	3192.5	3275.3	3366.3	3457.4	3448.7	3439.9	3357.8	3275.7	3163.0	3050.6
3046.7	25°	3120.1	3193.7	3268.2	3342.9	3312.9	3282.7	3201.9	3121.1	3019.9	2918.8
2923.4	27.5°	2980.5	3037.6	3090.7	3143.9	3110.2	3076.6	3011.8	2947.0	2864.0	2780.9
2771.4	30°	2812.5	2853.4	2893.9	2934.4	2907.1	2879.8	2825.9	2772.2	2703.2	2634.3
2618.9	32.5°	2651.6	2684.2	2721.6	2758.8	2728.3	2698.0	2646.4	2594.8	2539.7	2484.7
2484.3	35°	2514.3	2544.5	2570.9	2597.5	2561.0	2524.6	2473.5	2422.5	2380.6	2338.6
2369.8	37.5°	2397.6	2425.3	2437.6	2449.8	2404.8	2359.8	2308.8	2257.9	2227.8	2197.7
2264.8	40°	2288.3	2311.9	2309.0	2306.0	2254.1	2202.3	2153.2	2104.0	2082.3	2060.5
2158.4	42.5°	2178.1	2198.0	2183.1	2168.1	2112.2	2056.2	2009.5	1963.0	1945.1	1927.4
2053.6	45°	2071.5	2089.4	2067.9	2046.5	1988.5	1930.4	1886.2	1842.0	1826.9	1812.0
1970.8	47.5°	1983.2	1995.7	1971.0	1946.3	1889.1	1831.8	1788.6	1745.3	1731.4	1717.3
1921.3	50°	1921.8	1922.6	1890.9	1859.1	1807.9	1756.6	1715.9	1675.0	1653.1	1631.2
1888.0	52.5°	1881.2	1874.5	1836.9	1799.3	1751.4	1703.7	1666.3	1628.9	1596.1	1563.2
1856.8	55°	1847.4	1838.1	1798.1	1758.3	1716.5	1674.7	1634.3	1594.0	1547.4	1500.7
1823.7	57.5°	1814.2	1804.8	1764.7	1724.5	1683.0	1641.6	1594.2	1546.9	1496.7	1446.5
1777.8	60°	1767.4	1757.0	1716.7	1676.3	1634.2	1592.2	1537.8	1483.4	1439.4	1395.3
1704.6	62.5°	1694.6	1684.5	1647.6	1610.6	1565.8	1520.9	1457.4	1394.0	1366.1	1338.1
1605.7	65°	1595.5	1585.3	1552.7	1520.2	1477.3	1434.4	1366.3	1298.4	1287.7	1276.9
1492.9	67.5°	1483.0	1473.0	1444.9	1416.8	1376.2	1335.5	1272.6	1209.9	1213.3	1216.7
1372.3	70°	1362.7	1353.0	1327.7	1302.3	1267.2	1232.0	1176.9	1121.7	1133.4	1145.1
1239.6	72.5°	1228.1	1216.7	1191.8	1167.0	1135.3	1103.5	1060.2	1016.7	1033.8	1050.9
1081.4	75°	1069.4	1057.5	1034.8	1012.2	983.4	954.7	922.4	890.1	906.7	923.1
927.9	77.5°	916.7	905.5	881.8	858.0	833.3	808.6	782.4	756.1	772.8	789.4
754.6	80°	739.7	724.9	707.0	688.9	668.1	647.2	625.5	603.7	617.7	631.6
563.3	82.5°	538.1	512.9	474.3	435.8	443.1	450.4	452.2	454.0	463.9	473.8
357.8	85°	326.6	295.3	259.2	223.1	243.3	263.5	273.0	282.3	293.4	304.4
155.1	87.5°	142.5	129.8	114.6	99.5	115.0	130.4	130.8	131.1	133.2	135.3
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3390.4	0°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
3330.0	2.5°	3355.0	3385.9	3413.6	3442.2	3470.8	3500.7	3530.7	3560.3	3590.1	3618.1
3278.3	5°	3325.4	3379.4	3434.0	3491.9	3549.8	3611.7	3673.8	3735.3	3797.0	3858.8
3252.0	7.5°	3314.7	3384.6	3459.1	3539.9	3620.7	3712.4	3804.1	3898.3	3992.5	4094.4
3253.8	10°	3319.9	3395.0	3486.9	3582.7	3678.2	3789.7	3901.1	4025.4	4149.9	4278.9
3272.3	12.5°	3326.4	3396.3	3492.9	3601.0	3709.2	3840.6	3972.0	4113.0	4254.0	4395.6
3272.8	15°	3298.7	3354.6	3461.7	3586.9	3712.0	3863.3	4014.6	4167.6	4320.6	4468.3
3223.6	17.5°	3214.1	3248.6	3374.5	3525.1	3675.6	3851.2	4026.9	4193.8	4360.7	4510.4
3120.5	20°	3076.2	3085.3	3232.0	3418.5	3605.1	3817.9	4030.8	4214.2	4397.6	4553.4
2985.2	22.5°	2919.7	2901.9	3068.8	3293.5	3518.2	3777.1	4036.0	4241.8	4447.5	4606.6
2843.3	25°	2767.9	2719.7	2890.8	3153.9	3417.1	3736.7	4056.5	4291.7	4526.8	4682.6
2708.0	27.5°	2635.2	2576.6	2732.4	3026.3	3320.2	3709.8	4099.5	4369.8	4640.0	4788.7
2576.2	30°	2518.5	2472.6	2603.3	2919.6	3235.9	3697.2	4158.3	4470.9	4783.5	4927.0
2450.4	32.5°	2416.2	2395.8	2501.2	2827.6	3153.9	3681.6	4209.0	4576.4	4943.8	5085.9
2329.1	35°	2319.7	2328.1	2416.0	2737.2	3058.4	3652.2	4246.2	4696.6	5147.0	5283.2
2208.1	37.5°	2218.5	2249.4	2326.2	2630.8	2935.3	3601.8	4268.3	4831.3	5394.2	5567.8
2084.1	40°	2107.6	2155.1	2224.7	2503.8	2782.8	3532.5	4282.2	5002.2	5722.1	5975.0
1958.7	42.5°	1989.9	2049.7	2113.9	2363.7	2613.5	3460.9	4308.7	5225.9	6143.1	6508.1
1842.3	45°	1872.8	1930.7	1995.7	2214.8	2433.9	3394.4	4355.1	5520.2	6685.2	7177.6
1742.8	47.5°	1768.3	1818.2	1902.1	2097.1	2292.1	3339.5	4387.0	5833.7	7280.4	7973.6
1653.7	50°	1676.3	1734.2	1844.6	2018.9	2193.2	3279.7	4366.2	6124.6	7883.0	8928.0
1585.4	52.5°	1607.8	1688.7	1815.5	1967.4	2119.3	3178.6	4238.0	6313.5	8388.9	9930.6
1536.0	55°	1571.4	1693.3	1811.3	1930.0	2048.8	3011.0	3973.3	6271.9	8570.4	10819.4
1498.0	57.5°	1549.5	1697.8	1801.9	1885.8	1969.7	2774.8	3579.7	5978.9	8378.2	11449.3
1462.2	60°	1528.9	1683.5	1752.2	1818.2	1884.1	2468.0	3051.9	5433.6	7815.4	11606.8
1421.5	62.5°	1505.0	1648.4	1656.8	1700.5	1744.4	2100.9	2457.3	4696.4	6935.4	10943.9
1365.8	65°	1454.5	1563.8	1562.8	1583.5	1604.1	1770.5	1936.9	3944.1	5951.4	10006.0
1290.6	67.5°	1364.5	1425.9	1428.8	1417.3	1405.7	1453.1	1500.3	3207.2	4914.1	8889.9
1197.7	70°	1250.3	1270.4	1270.4	1217.0	1163.4	1150.0	1136.4	2525.2	3914.1	7672.0
1087.0	72.5°	1123.0	1122.8	1110.0	1034.2	958.2	917.3	876.6	1930.6	2984.5	6351.8
950.9	75°	978.6	983.6	924.8	839.7	754.6	717.6	680.7	1401.2	2121.7	4838.3
811.7	77.5°	833.9	836.5	739.6	657.0	574.4	549.2	524.0	949.5	1374.9	3386.4
650.4	80°	669.0	669.4	553.6	483.7	413.7	403.3	392.9	611.7	830.7	2181.8
482.9	82.5°	492.0	486.6	387.7	336.2	284.7	282.6	280.8	376.2	472.0	1262.8
314.2	85°	323.9	316.8	243.3	205.6	167.8	168.9	169.8	201.1	232.6	568.0
139.2	87.5°	143.1	134.0	103.4	87.9	72.6	73.5	74.4	83.4	92.4	186.0
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3390.4	0°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
3646.1	2.5°	3659.8	3673.8	3693.4	3713.1	3724.8	3736.5	3742.3	3748.2	3745.6	3748.2
3920.6	5°	3968.8	4017.2	4065.1	4113.1	4139.1	4165.2	4180.9	4196.8	4208.7	4196.8
4196.4	7.5°	4275.0	4353.4	4424.1	4494.7	4537.2	4579.8	4602.8	4625.7	4636.8	4625.7
4407.8	10°	4500.7	4593.6	4676.5	4759.3	4809.5	4859.5	4881.9	4904.1	4912.6	4904.1
4537.2	12.5°	4637.9	4738.5	4813.4	4888.1	4924.6	4961.0	4973.2	4985.4	4986.7	4985.4
4616.0	15°	4702.9	4789.6	4836.6	4883.7	4885.0	4886.3	4873.3	4860.3	4844.9	4860.3
4660.2	17.5°	4718.9	4777.5	4778.5	4779.2	4726.5	4673.9	4625.6	4577.2	4543.1	4577.2
4709.0	20°	4729.4	4750.0	4688.2	4626.4	4510.1	4393.7	4309.1	4224.4	4172.3	4224.4
4765.6	22.5°	4738.8	4712.0	4584.0	4455.9	4284.9	4113.8	4007.9	3902.0	3844.5	3902.0
4838.4	25°	4753.9	4669.3	4474.9	4280.6	4072.8	3865.0	3753.7	3642.5	3588.2	3642.5
4937.3	27.5°	4786.1	4634.8	4377.4	4120.0	3889.7	3659.5	3549.9	3440.5	3389.1	3440.5
5070.7	30°	4845.2	4619.9	4302.9	3986.0	3746.1	3506.2	3404.6	3303.0	3255.1	3303.0
5228.1	32.5°	4919.4	4610.8	4252.2	3893.6	3668.2	3442.7	3363.0	3283.1	3248.6	3283.1
5419.3	35°	5041.5	4663.8	4290.2	3916.7	3760.0	3603.5	3584.9	3566.3	3563.4	3566.3
5741.3	37.5°	5296.9	4852.5	4512.9	4173.4	4163.2	4153.1	4238.1	4323.2	4367.5	4323.2
6227.9	40°	5744.6	5261.3	5008.7	4756.2	4934.4	5112.7	5319.5	5526.4	5629.4	5526.4
6873.2	42.5°	6393.6	5914.1	5768.6	5623.2	6011.9	6400.7	6776.9	7153.2	7374.1	7153.2
7670.1	45°	7239.3	6808.4	6744.3	6680.0	7302.8	7925.7	8543.9	9162.3	9537.6	9162.3
8666.6	47.5°	8247.6	7828.4	7815.4	7802.4	8700.8	9599.1	10504.2	11409.1	11940.6	11409.1
9972.8	50°	9455.2	8937.6	8939.8	8942.0	10099.9	11257.8	12452.5	13647.3	14369.6	13647.3
11472.2	52.5°	10845.4	10218.7	10155.4	10091.9	11475.0	12858.1	14336.3	15814.3	16680.2	15814.3
13068.6	55°	12449.3	11830.0	11583.0	11335.9	12875.2	14414.5	16176.7	17938.9	18968.6	17938.9
14520.5	57.5°	14183.3	13845.9	13350.4	12854.9	14409.3	15963.6	17959.6	19955.4	21232.4	19955.4
15398.0	60°	15921.8	16445.7	15830.3	15215.0	16685.9	18156.8	20293.8	22430.8	23810.9	22430.8
14952.4	62.5°	16383.7	17814.9	17745.5	17676.1	19023.5	20371.1	22404.3	24437.4	25713.0	24437.4
14060.6	65°	15403.9	16747.2	17012.9	17278.6	18991.0	20703.5	22675.0	24646.5	25732.5	24646.5
12865.6	67.5°	14143.2	15420.8	15545.4	15669.9	17454.1	19238.2	21218.2	23198.2	24049.0	23198.2
11430.0	70°	12819.6	14209.3	14265.0	14320.8	15916.3	17511.8	19215.7	20919.5	21392.4	20919.5
9719.1	72.5°	11313.8	12908.5	12948.6	12988.6	14236.9	15485.2	16761.3	18037.4	18085.2	18037.4
7554.9	75°	9205.4	10855.8	11004.0	11152.2	12123.4	13094.6	13992.9	14891.3	14650.6	14891.3
5397.9	77.5°	6938.5	8479.3	8691.3	8903.4	9641.7	10380.0	11017.1	11654.4	11240.7	11654.4
3532.9	80°	4829.1	6125.1	6388.7	6652.3	7209.9	7767.2	8101.9	8436.4	7770.9	8436.4
2053.6	82.5°	2939.7	3826.0	4120.4	4415.0	4798.7	5182.5	5322.1	5461.6	4938.6	5461.6
903.5	85°	1373.9	1844.2	2094.6	2345.1	2660.4	2975.7	3054.9	3134.1	2715.2	3134.1
279.7	87.5°	437.8	595.9	735.6	875.3	1033.0	1190.7	1197.4	1204.1	1010.9	1204.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3390.4	0°	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4	3390.4
3742.3	2.5°	3736.5	3724.8	3713.1	3693.4	3673.8	3659.8	3646.1
4180.9	5°	4165.2	4139.1	4113.1	4065.1	4017.2	3968.8	3920.6
4602.8	7.5°	4579.8	4537.2	4494.7	4424.1	4353.4	4275.0	4196.4
4881.9	10°	4859.5	4809.5	4759.3	4676.5	4593.6	4500.7	4407.8
4973.2	12.5°	4961.0	4924.6	4888.1	4813.4	4738.5	4637.9	4537.2
4873.3	15°	4886.3	4885.0	4883.7	4836.6	4789.6	4702.9	4616.0
4625.6	17.5°	4673.9	4726.5	4779.2	4778.5	4777.5	4718.9	4660.2
4309.1	20°	4393.7	4510.1	4626.4	4688.2	4750.0	4729.4	4709.0
4007.9	22.5°	4113.8	4284.9	4455.9	4584.0	4712.0	4738.8	4765.6
3753.7	25°	3865.0	4072.8	4280.6	4474.9	4669.3	4753.9	4838.4
3549.9	27.5°	3659.5	3889.7	4120.0	4377.4	4634.8	4786.1	4937.3
3404.6	30°	3506.2	3746.1	3986.0	4302.9	4619.9	4845.2	5070.7
3363.0	32.5°	3442.7	3668.2	3893.6	4252.2	4610.8	4919.4	5228.1
3584.9	35°	3603.5	3760.0	3916.7	4290.2	4663.8	5041.5	5419.3
4238.1	37.5°	4153.1	4163.2	4173.4	4512.9	4852.5	5296.9	5741.3
5319.5	40°	5112.7	4934.4	4756.2	5008.7	5261.3	5744.6	6227.9
6776.9	42.5°	6400.7	6011.9	5623.2	5768.6	5914.1	6393.6	6873.2
8543.9	45°	7925.7	7302.8	6680.0	6744.3	6808.4	7239.3	7670.1
10504.2	47.5°	9599.1	8700.8	7802.4	7815.4	7828.4	8247.6	8666.6
12452.5	50°	11257.8	10099.9	8942.0	8939.8	8937.6	9455.2	9972.8
14336.3	52.5°	12858.1	11475.0	10091.9	10155.4	10218.7	10845.4	11472.2
16176.7	55°	14414.5	12875.2	11335.9	11583.0	11830.0	12449.3	13068.6
17959.6	57.5°	15963.6	14409.3	12854.9	13350.4	13845.9	14183.3	14520.5
20293.8	60°	18156.8	16685.9	15215.0	15830.3	16445.7	15921.8	15398.0
22404.3	62.5°	20371.1	19023.5	17676.1	17745.5	17814.9	16383.7	14952.4
22675.0	65°	20703.5	18991.0	17278.6	17012.9	16747.2	15403.9	14060.6
21218.2	67.5°	19238.2	17454.1	15669.9	15545.4	15420.8	14143.2	12865.6
19215.7	70°	17511.8	15916.3	14320.8	14265.0	14209.3	12819.6	11430.0
16761.3	72.5°	15485.2	14236.9	12988.6	12948.6	12908.5	11313.8	9719.1
13992.9	75°	13094.6	12123.4	11152.2	11004.0	10855.8	9205.4	7554.9
11017.1	77.5°	10380.0	9641.7	8903.4	8691.3	8479.3	6938.5	5397.9
8101.9	80°	7767.2	7209.9	6652.3	6388.7	6125.1	4829.1	3532.9
5322.1	82.5°	5182.5	4798.7	4415.0	4120.4	3826.0	2939.7	2053.6
3054.9	85°	2975.7	2660.4	2345.1	2094.6	1844.2	1373.9	903.5
1197.4	87.5°	1190.7	1033.0	875.3	735.6	595.9	437.8	279.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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