

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: P951058

Luminaire Tested: **GALN-SB5B-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951058
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-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24646 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

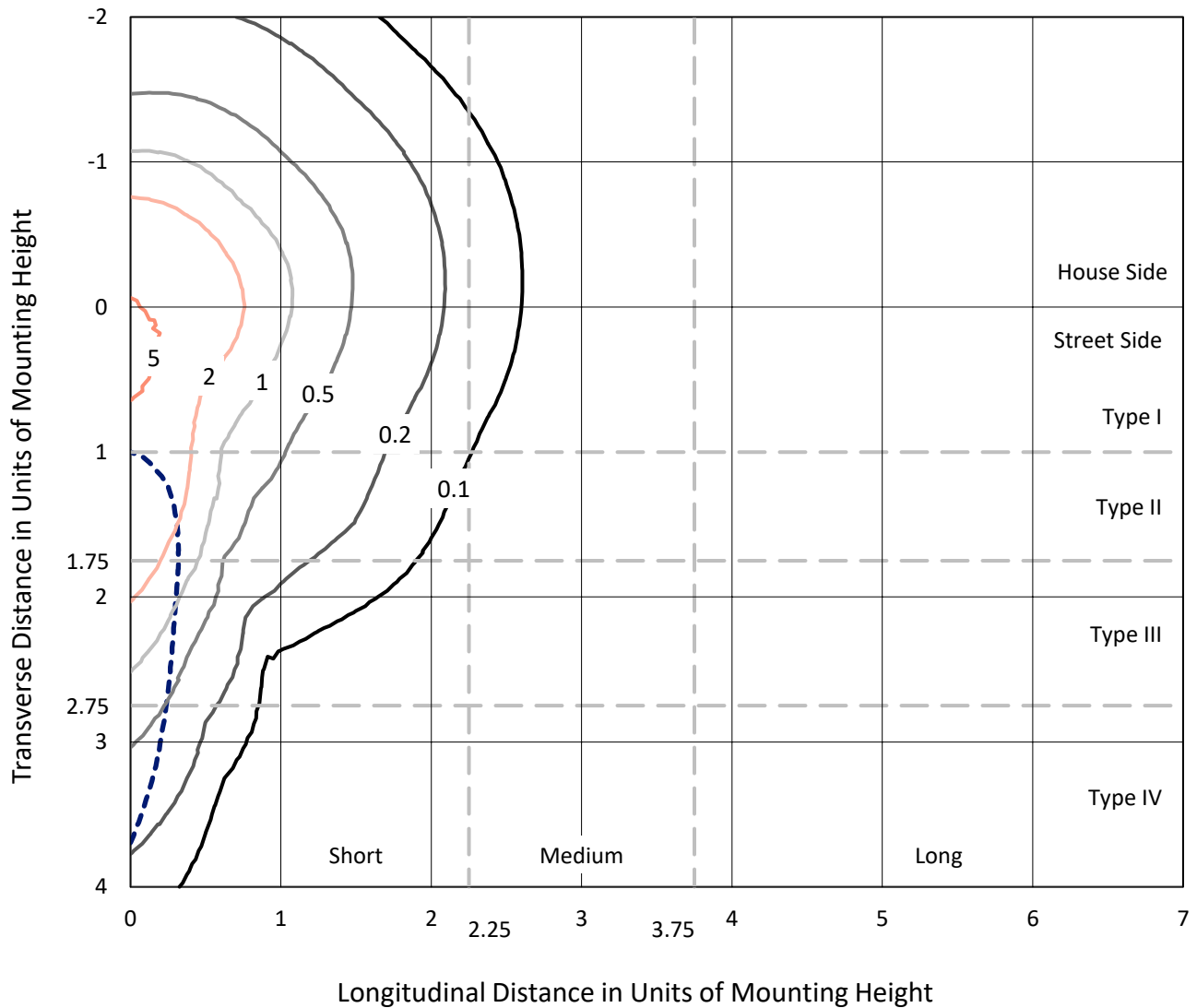
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

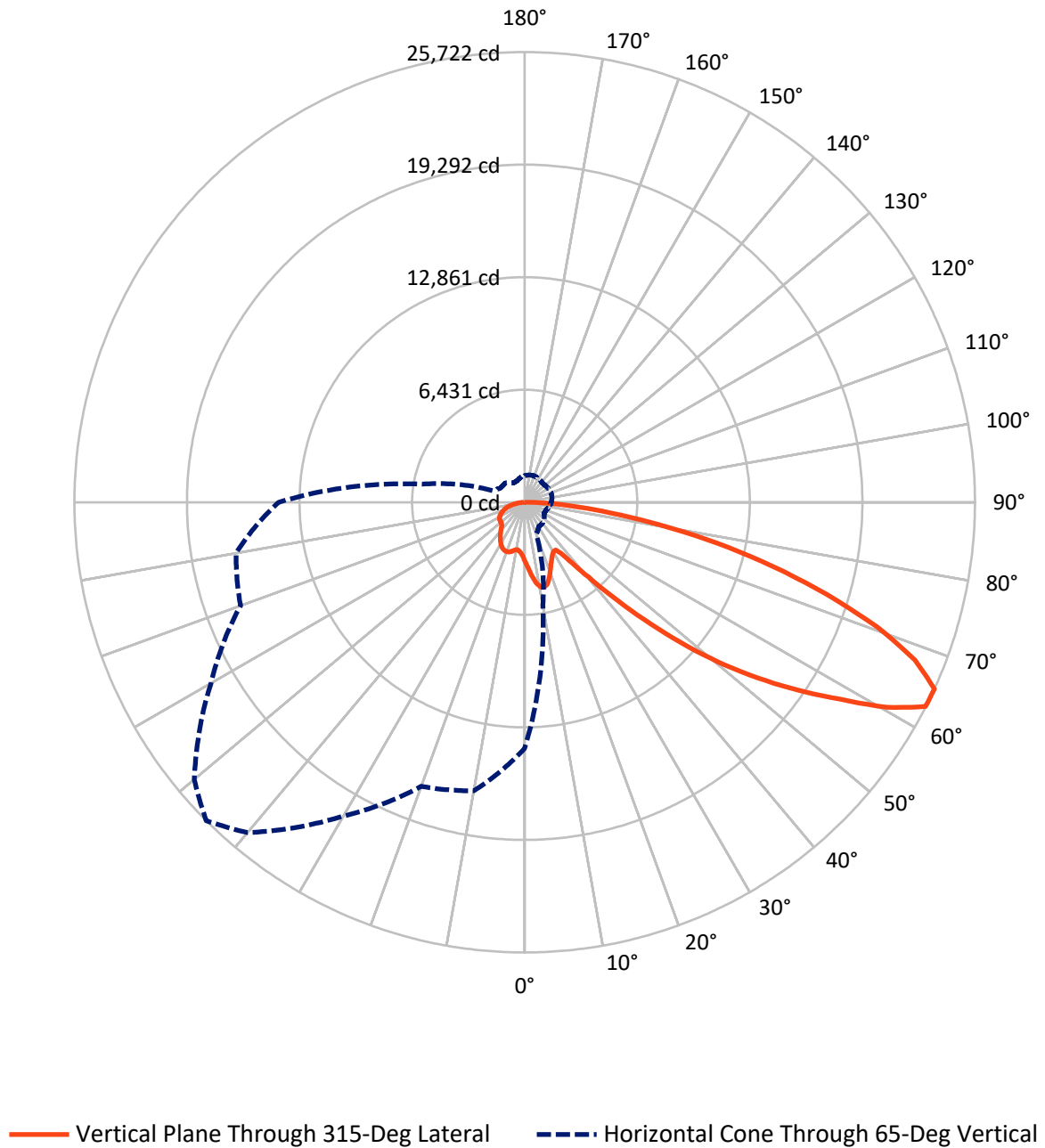
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	6263.8	0.0	6263.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18382.2	0.0	18382.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	24646.0	0.0	24646.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.2	1.4
10°-20°	1055.4	4.3
20°-30°	1630.2	6.6
30°-40°	2065.8	8.4
40°-50°	3115.8	12.6
50°-60°	5034.1	20.4
60°-70°	6275.8	25.5
70°-80°	4115.3	16.7
80°-90°	1017.4	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°	24646.0	100.0
0°-180°	24646.0	100.0

Coefficient of Utilization



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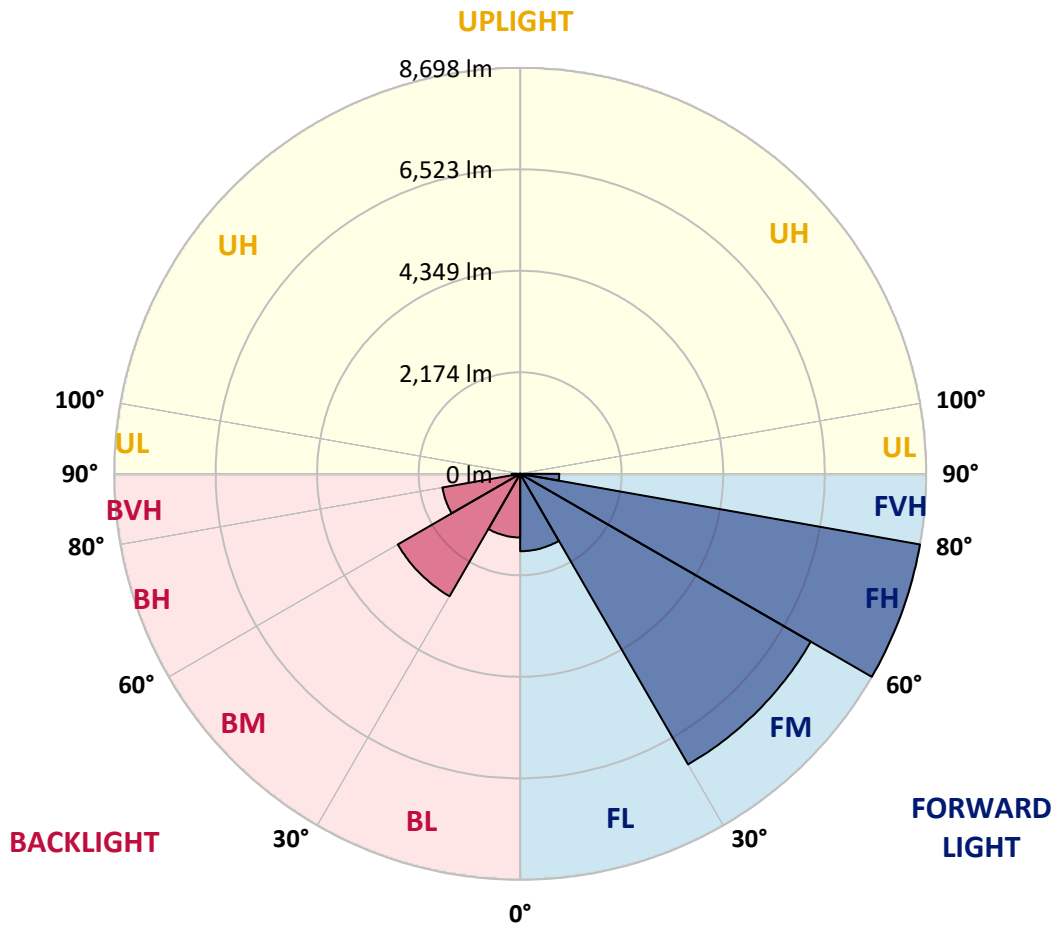
CATALOG NUMBER: GALN-SB5B-827-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1657.7	6.7			
FM (30°-60°)	7188.7	29.2			
FH (60°-80°)	8697.7	35.3			G4/12000
FVH (80°-90°)	838.1	3.4			G5
BL (0°-30°)	1364.0	5.5	B3/2500		
BM (30°-60°)	3027.0	12.3	B3/5000		
BH (60°-80°)	1693.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	179.3	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°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
2.5°	3644.6	3616.6	3588.7	3558.9	3529.2	3499.3	3469.4	3440.8	3412.2	3384.5
5°	3919.0	3857.2	3795.4	3733.8	3672.3	3610.2	3548.3	3490.5	3432.6	3378.0
7.5°	4194.7	4092.7	3990.9	3896.7	3802.6	3710.9	3619.2	3538.5	3457.7	3383.2
10°	4406.0	4277.1	4148.3	4023.8	3899.5	3788.2	3676.7	3581.2	3485.5	3393.6
12.5°	4535.4	4393.8	4252.3	4111.3	3970.3	3839.0	3707.7	3599.6	3491.5	3394.9
15°	4614.1	4466.5	4318.9	4165.9	4013.0	3861.8	3710.5	3585.4	3460.3	3353.3
17.5°	4658.3	4508.6	4358.9	4192.1	4025.2	3849.7	3674.1	3523.6	3373.2	3247.3
20°	4707.1	4551.5	4395.9	4212.5	4029.1	3816.4	3603.6	3417.1	3230.6	3084.1
22.5°	4763.6	4604.7	4445.7	4240.1	4034.3	3775.5	3516.7	3292.2	3067.6	2900.7
25°	4836.5	4680.7	4525.0	4290.0	4054.9	3735.2	3415.7	3152.6	2889.7	2718.6
27.5°	4935.3	4786.8	4638.1	4368.0	4097.8	3708.3	3318.8	3025.0	2731.3	2575.6
30°	5068.6	4925.0	4781.6	4469.1	4156.6	3695.7	3234.5	2918.4	2602.3	2471.6
32.5°	5226.0	5083.8	4941.8	4574.6	4207.3	3680.1	3152.6	2826.5	2500.2	2394.8
35°	5417.1	5281.1	5144.9	4694.7	4244.5	3650.7	3057.2	2736.1	2415.0	2327.2
37.5°	5739.0	5565.5	5392.0	4829.3	4266.6	3600.4	2934.1	2629.7	2325.2	2248.5
40°	6225.4	5972.6	5719.7	5000.2	4280.5	3531.0	2781.7	2502.8	2223.8	2154.2
42.5°	6870.4	6505.5	6140.6	5223.7	4306.9	3459.5	2612.4	2362.7	2113.0	2048.9
45°	7666.9	7174.7	6682.5	5517.9	4353.3	3393.1	2432.9	2213.9	1994.9	1929.9
47.5°	8663.1	7970.3	7277.5	5831.3	4385.2	3338.2	2291.2	2096.2	1901.3	1817.4
50°	9968.8	8924.4	7879.8	6122.1	4364.4	3278.4	2192.3	2018.1	1843.8	1733.5
52.5°	11467.6	9926.5	8385.5	6310.9	4236.3	3177.3	2118.5	1966.6	1814.8	1688.0
55°	13063.3	10815.0	8566.9	6269.3	3971.6	3009.8	2048.0	1929.3	1810.5	1692.6
57.5°	14514.6	11444.7	8374.8	5976.5	3578.3	2773.7	1968.9	1885.0	1801.2	1697.1
60°	15391.8	11602.1	7812.2	5431.4	3050.7	2467.0	1883.3	1817.4	1751.5	1682.8
62.5°	14946.4	10939.5	6932.6	4694.5	2456.3	2100.0	1743.7	1699.9	1656.2	1647.7
65°	14054.9	10002.0	5949.0	3942.5	1936.1	1769.8	1603.5	1582.8	1562.1	1563.2
67.5°	12860.4	8886.3	4912.2	3205.9	1499.7	1452.5	1405.2	1416.7	1428.2	1425.3
70°	11425.3	7668.9	3912.5	2524.2	1136.0	1149.5	1162.9	1216.5	1269.9	1269.9
72.5°	9715.2	6349.2	2983.3	1929.8	876.3	917.0	957.8	1033.7	1109.6	1122.3
75°	7551.9	4836.3	2120.8	1400.6	680.4	717.3	754.3	839.3	924.4	983.2
77.5°	5395.7	3385.0	1374.3	949.1	523.8	548.9	574.2	656.7	739.3	836.2
80°	3531.4	2180.9	830.4	611.5	392.7	403.1	413.6	483.5	553.4	669.1
82.5°	2052.8	1262.2	471.8	376.1	280.6	282.5	284.5	336.0	387.5	486.4
85°	903.2	567.8	232.5	201.1	169.7	168.8	167.8	205.5	243.2	316.7
87.5°	279.6	186.0	92.3	83.4	74.4	73.5	72.6	87.9	103.4	133.9
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°
3389.0	0°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
3353.7	2.5°	3328.7	3303.9	3281.4	3259.0	3239.4	3219.7	3199.9	3180.3	3165.1	3149.7
3324.0	5°	3276.9	3229.7	3190.2	3150.8	3115.9	3081.1	3049.5	3017.8	2993.4	2969.0
3313.3	7.5°	3250.7	3188.1	3136.1	3084.1	3040.2	2996.3	2957.5	2918.9	2889.9	2861.0
3318.6	10°	3252.5	3186.4	3134.4	3082.4	3035.2	2987.8	2944.3	2900.7	2866.1	2831.4
3325.1	12.5°	3271.0	3217.1	3182.5	3148.2	3111.0	3074.1	3028.9	2983.9	2939.7	2895.5
3297.4	15°	3271.5	3245.7	3250.4	3255.1	3245.5	3235.8	3196.7	3157.6	3094.6	3031.7
3212.8	17.5°	3222.3	3231.7	3288.4	3345.1	3375.3	3405.3	3373.7	3342.2	3258.9	3175.5
3075.0	20°	3119.2	3163.4	3261.9	3360.4	3423.5	3486.6	3472.0	3457.3	3362.0	3266.8
2918.5	22.5°	2983.9	3049.4	3161.7	3274.3	3356.4	3438.5	3447.3	3456.0	3365.0	3273.9
2766.8	25°	2842.2	2917.6	3018.7	3119.8	3200.6	3281.4	3311.5	3341.6	3266.9	3192.4
2634.1	27.5°	2706.9	2779.8	2862.9	2945.8	3010.6	3075.4	3108.9	3142.6	3089.4	3036.3
2517.5	30°	2575.2	2633.2	2702.1	2771.1	2824.8	2878.6	2905.9	2933.2	2892.8	2852.2
2415.2	32.5°	2449.4	2483.6	2538.7	2593.8	2645.3	2696.9	2727.2	2757.7	2720.5	2683.1
2318.7	35°	2328.1	2337.6	2379.6	2421.5	2472.5	2523.6	2560.0	2596.4	2569.9	2543.5
2217.6	37.5°	2207.2	2196.8	2226.9	2257.0	2307.8	2358.8	2403.8	2448.8	2436.6	2424.3
2106.8	40°	2083.2	2059.7	2081.4	2103.1	2152.3	2201.4	2253.2	2305.1	2308.1	2310.9
1989.1	42.5°	1957.9	1926.7	1944.3	1962.2	2008.7	2055.4	2111.3	2167.2	2182.2	2197.2
1872.0	45°	1841.6	1811.3	1826.1	1841.2	1885.4	1929.6	1987.6	2045.6	2067.1	2088.6
1767.6	47.5°	1742.1	1716.6	1730.7	1744.6	1787.9	1831.1	1888.3	1945.5	1970.2	1994.9
1675.7	50°	1653.0	1630.5	1652.4	1674.4	1715.2	1755.9	1807.1	1858.4	1890.1	1921.8
1607.1	52.5°	1584.8	1562.5	1595.4	1628.2	1665.6	1703.0	1750.7	1798.6	1836.1	1873.7
1570.7	55°	1535.3	1500.1	1546.8	1593.3	1633.7	1674.0	1715.8	1757.6	1797.4	1837.3
1548.9	57.5°	1497.4	1445.9	1496.1	1546.3	1593.6	1640.9	1682.3	1723.8	1764.0	1804.0
1528.3	60°	1461.6	1394.8	1438.8	1482.8	1537.2	1591.5	1633.5	1675.7	1716.0	1756.3
1504.4	62.5°	1420.9	1337.5	1365.5	1393.5	1456.8	1520.3	1565.1	1610.0	1646.9	1683.9
1453.9	65°	1365.2	1276.4	1287.2	1297.9	1365.8	1433.8	1476.7	1519.6	1552.1	1584.6
1363.9	67.5°	1290.1	1216.2	1212.8	1209.4	1272.1	1334.9	1375.6	1416.2	1444.3	1472.4
1249.8	70°	1197.2	1144.7	1133.0	1121.3	1176.4	1231.5	1266.7	1301.8	1327.1	1352.5
1122.6	72.5°	1086.5	1050.5	1033.4	1016.3	1059.8	1103.1	1134.8	1166.5	1191.4	1216.2
978.2	75°	950.5	922.7	906.3	889.8	922.0	954.3	983.0	1011.8	1034.4	1057.0
833.6	77.5°	811.4	789.1	772.5	755.8	782.1	808.2	833.0	857.7	881.5	905.1
668.7	80°	650.1	631.4	617.5	603.4	625.3	647.0	667.8	688.6	706.7	724.6
491.8	82.5°	482.7	473.6	463.7	453.9	452.0	450.2	442.9	435.7	474.2	512.6
323.8	85°	314.1	304.3	293.3	282.2	272.8	263.3	243.2	223.0	259.1	295.2
143.1	87.5°	139.2	135.2	133.2	131.1	130.7	130.3	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°
3389.0	0°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
3137.4	2.5°	3125.0	3115.4	3105.8	3097.0	3088.0	3076.9	3088.0	3097.0	3105.8	3115.4
2951.9	5°	2934.9	2922.8	2910.7	2901.5	2892.3	2883.2	2892.3	2901.5	2910.7	2922.8
2840.8	7.5°	2820.5	2806.6	2792.8	2784.4	2776.3	2770.0	2776.3	2784.4	2792.8	2806.6
2808.8	10°	2785.9	2772.7	2759.6	2752.6	2745.6	2742.7	2745.6	2752.6	2759.6	2772.7
2866.2	12.5°	2837.0	2822.3	2807.7	2801.7	2795.8	2794.7	2795.8	2801.7	2807.7	2822.3
2987.2	15°	2942.7	2922.3	2902.0	2894.2	2886.4	2885.8	2886.4	2894.2	2902.0	2922.3
3110.0	17.5°	3044.4	3014.2	2983.9	2974.1	2964.0	2962.5	2964.0	2974.1	2983.9	3014.2
3186.4	20°	3106.2	3067.6	3028.8	3016.5	3004.1	3000.2	3004.1	3016.5	3028.8	3067.6
3191.2	22.5°	3108.4	3067.7	3026.9	3013.2	2999.5	2993.7	2999.5	3013.2	3026.9	3067.7
3118.8	25°	3045.5	3010.1	2974.8	2962.0	2949.2	2941.7	2949.2	2962.0	2974.8	3010.1
2979.3	27.5°	2922.2	2898.5	2874.7	2868.8	2863.0	2861.0	2863.0	2868.8	2874.7	2898.5
2811.4	30°	2770.3	2758.2	2746.0	2746.0	2746.0	2747.9	2746.0	2746.0	2746.0	2758.2
2650.5	32.5°	2617.9	2609.9	2602.0	2603.0	2604.2	2606.2	2604.2	2603.0	2602.0	2609.9
2513.3	35°	2483.3	2471.2	2459.2	2456.6	2454.0	2452.7	2454.0	2456.6	2459.2	2471.2
2396.6	37.5°	2368.8	2346.8	2325.0	2313.4	2301.8	2295.3	2301.8	2313.4	2325.0	2346.8
2287.4	40°	2263.9	2231.9	2200.1	2178.6	2157.2	2144.5	2157.2	2178.6	2200.1	2231.9
2177.3	42.5°	2157.5	2117.8	2078.2	2046.8	2015.5	1994.9	2015.5	2046.8	2078.2	2117.8
2070.6	45°	2052.8	2007.4	1962.2	1925.4	1888.5	1864.9	1888.5	1925.4	1962.2	2007.4
1982.4	47.5°	1970.0	1929.6	1889.3	1855.3	1821.3	1798.6	1821.3	1855.3	1889.3	1929.6
1921.1	50°	1920.5	1888.3	1856.0	1824.6	1793.1	1771.2	1793.1	1824.6	1856.0	1888.3
1880.5	52.5°	1887.2	1861.0	1834.7	1806.5	1778.4	1758.2	1778.4	1806.5	1834.7	1861.0
1846.7	55°	1856.0	1833.1	1810.3	1785.6	1760.8	1742.6	1760.8	1785.6	1810.3	1833.1
1813.5	57.5°	1823.0	1799.9	1776.7	1752.3	1727.7	1708.8	1727.7	1752.3	1776.7	1799.9
1766.7	60°	1777.1	1754.5	1732.0	1706.7	1681.5	1662.0	1681.5	1706.7	1732.0	1754.5
1693.9	62.5°	1703.9	1683.5	1663.0	1636.5	1610.0	1586.6	1610.0	1636.5	1663.0	1683.5
1594.9	65°	1605.0	1585.4	1565.8	1540.0	1514.4	1494.2	1514.4	1540.0	1565.8	1585.4
1482.4	67.5°	1492.3	1474.2	1456.3	1432.3	1408.4	1390.2	1408.4	1432.3	1456.3	1474.2
1362.1	70°	1371.7	1357.0	1342.4	1319.5	1296.6	1275.8	1296.6	1319.5	1342.4	1357.0
1227.6	72.5°	1239.1	1226.9	1214.6	1192.8	1171.1	1150.9	1171.1	1192.8	1214.6	1226.9
1069.0	75°	1081.0	1075.0	1069.0	1050.7	1032.3	1013.1	1032.3	1050.7	1069.0	1075.0
916.3	77.5°	927.5	919.2	910.6	892.1	873.7	858.3	873.7	892.1	910.6	919.2
739.4	80°	754.3	750.6	747.1	722.3	697.3	668.4	697.3	722.3	747.1	750.6
537.9	82.5°	563.1	561.5	559.9	538.9	517.8	499.4	517.8	538.9	559.9	561.5
326.4	85°	357.6	355.0	352.4	336.0	319.7	303.0	319.7	336.0	352.4	355.0
142.4	87.5°	155.0	151.9	148.5	140.2	131.6	123.5	131.6	140.2	148.5	151.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3389.0	0°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
3125.0	2.5°	3137.4	3149.7	3165.1	3180.3	3199.9	3219.7	3239.4	3259.0	3281.4	3303.9
2934.9	5°	2951.9	2969.0	2993.4	3017.8	3049.5	3081.1	3115.9	3150.8	3190.2	3229.7
2820.5	7.5°	2840.8	2861.0	2889.9	2918.9	2957.5	2996.3	3040.2	3084.1	3136.1	3188.1
2785.9	10°	2808.8	2831.4	2866.1	2900.7	2944.3	2987.8	3035.2	3082.4	3134.4	3186.4
2837.0	12.5°	2866.2	2895.5	2939.7	2983.9	3028.9	3074.1	3111.0	3148.2	3182.5	3217.1
2942.7	15°	2987.2	3031.7	3094.6	3157.6	3196.7	3235.8	3245.5	3255.1	3250.4	3245.7
3044.4	17.5°	3110.0	3175.5	3258.9	3342.2	3373.7	3405.3	3375.3	3345.1	3288.4	3231.7
3106.2	20°	3186.4	3266.8	3362.0	3457.3	3472.0	3486.6	3423.5	3360.4	3261.9	3163.4
3108.4	22.5°	3191.2	3273.9	3365.0	3456.0	3447.3	3438.5	3356.4	3274.3	3161.7	3049.4
3045.5	25°	3118.8	3192.4	3266.9	3341.6	3311.5	3281.4	3200.6	3119.8	3018.7	2917.6
2922.2	27.5°	2979.3	3036.3	3089.4	3142.6	3108.9	3075.4	3010.6	2945.8	2862.9	2779.8
2770.3	30°	2811.4	2852.2	2892.8	2933.2	2905.9	2878.6	2824.8	2771.1	2702.1	2633.2
2617.9	32.5°	2650.5	2683.1	2720.5	2757.7	2727.2	2696.9	2645.3	2593.8	2538.7	2483.6
2483.3	35°	2513.3	2543.5	2569.9	2596.4	2560.0	2523.6	2472.5	2421.5	2379.6	2337.6
2368.8	37.5°	2396.6	2424.3	2436.6	2448.8	2403.8	2358.8	2307.8	2257.0	2226.9	2196.8
2263.9	40°	2287.4	2310.9	2308.1	2305.1	2253.2	2201.4	2152.3	2103.1	2081.4	2059.7
2157.5	42.5°	2177.3	2197.2	2182.2	2167.2	2111.3	2055.4	2008.7	1962.2	1944.3	1926.7
2052.8	45°	2070.6	2088.6	2067.1	2045.6	1987.6	1929.6	1885.4	1841.2	1826.1	1811.3
1970.0	47.5°	1982.4	1994.9	1970.2	1945.5	1888.3	1831.1	1787.9	1744.6	1730.7	1716.6
1920.5	50°	1921.1	1921.8	1890.1	1858.4	1807.1	1755.9	1715.2	1674.4	1652.4	1630.5
1887.2	52.5°	1880.5	1873.7	1836.1	1798.6	1750.7	1703.0	1665.6	1628.2	1595.4	1562.5
1856.0	55°	1846.7	1837.3	1797.4	1757.6	1715.8	1674.0	1633.7	1593.3	1546.8	1500.1
1823.0	57.5°	1813.5	1804.0	1764.0	1723.8	1682.3	1640.9	1593.6	1546.3	1496.1	1445.9
1777.1	60°	1766.7	1756.3	1716.0	1675.7	1633.5	1591.5	1537.2	1482.8	1438.8	1394.8
1703.9	62.5°	1693.9	1683.9	1646.9	1610.0	1565.1	1520.3	1456.8	1393.5	1365.5	1337.5
1605.0	65°	1594.9	1584.6	1552.1	1519.6	1476.7	1433.8	1365.8	1297.9	1287.2	1276.4
1492.3	67.5°	1482.4	1472.4	1444.3	1416.2	1375.6	1334.9	1272.1	1209.4	1212.8	1216.2
1371.7	70°	1362.1	1352.5	1327.1	1301.8	1266.7	1231.5	1176.4	1121.3	1133.0	1144.7
1239.1	72.5°	1227.6	1216.2	1191.4	1166.5	1134.8	1103.1	1059.8	1016.3	1033.4	1050.5
1081.0	75°	1069.0	1057.0	1034.4	1011.8	983.0	954.3	922.0	889.8	906.3	922.7
927.5	77.5°	916.3	905.1	881.5	857.7	833.0	808.2	782.1	755.8	772.5	789.1
754.3	80°	739.4	724.6	706.7	688.6	667.8	647.0	625.3	603.4	617.5	631.4
563.1	82.5°	537.9	512.6	474.2	435.7	442.9	450.2	452.0	453.9	463.7	473.6
357.6	85°	326.4	295.2	259.1	223.0	243.2	263.3	272.8	282.2	293.3	304.3
155.0	87.5°	142.4	129.8	114.6	99.5	115.0	130.3	130.7	131.1	133.2	135.2
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):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3389.0	0°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
3328.7	2.5°	3353.7	3384.5	3412.2	3440.8	3469.4	3499.3	3529.2	3558.9	3588.7	3616.6
3276.9	5°	3324.0	3378.0	3432.6	3490.5	3548.3	3610.2	3672.3	3733.8	3795.4	3857.2
3250.7	7.5°	3313.3	3383.2	3457.7	3538.5	3619.2	3710.9	3802.6	3896.7	3990.9	4092.7
3252.5	10°	3318.6	3393.6	3485.5	3581.2	3676.7	3788.2	3899.5	4023.8	4148.3	4277.1
3271.0	12.5°	3325.1	3394.9	3491.5	3599.6	3707.7	3839.0	3970.3	4111.3	4252.3	4393.8
3271.5	15°	3297.4	3353.3	3460.3	3585.4	3710.5	3861.8	4013.0	4165.9	4318.9	4466.5
3222.3	17.5°	3212.8	3247.3	3373.2	3523.6	3674.1	3849.7	4025.2	4192.1	4358.9	4508.6
3119.2	20°	3075.0	3084.1	3230.6	3417.1	3603.6	3816.4	4029.1	4212.5	4395.9	4551.5
2983.9	22.5°	2918.5	2900.7	3067.6	3292.2	3516.7	3775.5	4034.3	4240.1	4445.7	4604.7
2842.2	25°	2766.8	2718.6	2889.7	3152.6	3415.7	3735.2	4054.9	4290.0	4525.0	4680.7
2706.9	27.5°	2634.1	2575.6	2731.3	3025.0	3318.8	3708.3	4097.8	4368.0	4638.1	4786.8
2575.2	30°	2517.5	2471.6	2602.3	2918.4	3234.5	3695.7	4156.6	4469.1	4781.6	4925.0
2449.4	32.5°	2415.2	2394.8	2500.2	2826.5	3152.6	3680.1	4207.3	4574.6	4941.8	5083.8
2328.1	35°	2318.7	2327.2	2415.0	2736.1	3057.2	3650.7	4244.5	4694.7	5144.9	5281.1
2207.2	37.5°	2217.6	2248.5	2325.2	2629.7	2934.1	3600.4	4266.6	4829.3	5392.0	5565.5
2083.2	40°	2106.8	2154.2	2223.8	2502.8	2781.7	3531.0	4280.5	5000.2	5719.7	5972.6
1957.9	42.5°	1989.1	2048.9	2113.0	2362.7	2612.4	3459.5	4306.9	5223.7	6140.6	6505.5
1841.6	45°	1872.0	1929.9	1994.9	2213.9	2432.9	3393.1	4353.3	5517.9	6682.5	7174.7
1742.1	47.5°	1767.6	1817.4	1901.3	2096.2	2291.2	3338.2	4385.2	5831.3	7277.5	7970.3
1653.0	50°	1675.7	1733.5	1843.8	2018.1	2192.3	3278.4	4364.4	6122.1	7879.8	8924.4
1584.8	52.5°	1607.1	1688.0	1814.8	1966.6	2118.5	3177.3	4236.3	6310.9	8385.5	9926.5
1535.3	55°	1570.7	1692.6	1810.5	1929.3	2048.0	3009.8	3971.6	6269.3	8566.9	10815.0
1497.4	57.5°	1548.9	1697.1	1801.2	1885.0	1968.9	2773.7	3578.3	5976.5	8374.8	11444.7
1461.6	60°	1528.3	1682.8	1751.5	1817.4	1883.3	2467.0	3050.7	5431.4	7812.2	11602.1
1420.9	62.5°	1504.4	1647.7	1656.2	1699.9	1743.7	2100.0	2456.3	4694.5	6932.6	10939.5
1365.2	65°	1453.9	1563.2	1562.1	1582.8	1603.5	1769.8	1936.1	3942.5	5949.0	10002.0
1290.1	67.5°	1363.9	1425.3	1428.2	1416.7	1405.2	1452.5	1499.7	3205.9	4912.2	8886.3
1197.2	70°	1249.8	1269.9	1269.9	1216.5	1162.9	1149.5	1136.0	2524.2	3912.5	7668.9
1086.5	72.5°	1122.6	1122.3	1109.6	1033.7	957.8	917.0	876.3	1929.8	2983.3	6349.2
950.5	75°	978.2	983.2	924.4	839.3	754.3	717.3	680.4	1400.6	2120.8	4836.3
811.4	77.5°	833.6	836.2	739.3	656.7	574.2	548.9	523.8	949.1	1374.3	3385.0
650.1	80°	668.7	669.1	553.4	483.5	413.6	403.1	392.7	611.5	830.4	2180.9
482.7	82.5°	491.8	486.4	387.5	336.0	284.5	282.5	280.6	376.1	471.8	1262.2
314.1	85°	323.8	316.7	243.2	205.5	167.8	168.8	169.7	201.1	232.5	567.8
139.2	87.5°	143.1	133.9	103.4	87.9	72.6	73.5	74.4	83.4	92.3	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°
3389.0	0°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
3644.6	2.5°	3658.4	3672.3	3691.9	3711.6	3723.3	3735.0	3740.8	3746.7	3744.1	3746.7
3919.0	5°	3967.2	4015.6	4063.5	4111.5	4137.5	4163.5	4179.2	4195.1	4207.0	4195.1
4194.7	7.5°	4273.2	4351.6	4422.3	4492.9	4535.4	4577.9	4600.9	4623.8	4634.9	4623.8
4406.0	10°	4498.9	4591.7	4674.6	4757.4	4807.6	4857.5	4879.9	4902.1	4910.6	4902.1
4535.4	12.5°	4636.1	4736.6	4811.5	4886.1	4922.6	4959.0	4971.2	4983.4	4984.7	4983.4
4614.1	15°	4701.0	4787.7	4834.6	4881.7	4883.0	4884.3	4871.3	4858.3	4843.0	4858.3
4658.3	17.5°	4717.0	4775.6	4776.5	4777.3	4724.6	4672.0	4623.7	4575.3	4541.3	4575.3
4707.1	20°	4727.5	4748.0	4686.3	4624.5	4508.2	4392.0	4307.3	4222.6	4170.6	4222.6
4763.6	22.5°	4736.8	4710.1	4582.1	4454.1	4283.1	4112.1	4006.2	3900.4	3842.9	3900.4
4836.5	25°	4751.9	4667.4	4473.1	4278.8	4071.1	3863.5	3752.1	3641.1	3586.7	3641.1
4935.3	27.5°	4784.2	4632.9	4375.6	4118.3	3888.2	3658.0	3548.5	3439.1	3387.7	3439.1
5068.6	30°	4843.2	4618.0	4301.2	3984.4	3744.6	3504.8	3403.2	3301.6	3253.8	3301.6
5226.0	32.5°	4917.4	4608.9	4250.5	3892.1	3666.7	3441.3	3361.6	3281.7	3247.3	3281.7
5417.1	35°	5039.5	4661.9	4288.4	3915.1	3758.5	3602.1	3583.5	3564.9	3562.0	3564.9
5739.0	37.5°	5294.8	4850.5	4511.1	4171.7	4161.5	4151.4	4236.4	4321.5	4365.7	4321.5
6225.4	40°	5742.2	5259.1	5006.7	4754.3	4932.4	5110.6	5317.4	5524.2	5627.2	5524.2
6870.4	42.5°	6391.1	5911.7	5766.3	5620.9	6009.5	6398.1	6774.2	7150.3	7371.1	7150.3
7666.9	45°	7236.4	6805.6	6741.5	6677.3	7299.8	7922.5	8540.5	9158.6	9533.8	9158.6
8663.1	47.5°	8244.2	7825.2	7812.2	7799.2	8697.3	9595.2	10499.9	11404.5	11935.8	11404.5
9968.8	50°	9451.3	8934.0	8936.2	8938.4	10095.8	11253.3	12447.5	13641.7	14363.7	13641.7
11467.6	52.5°	10841.0	10214.6	10151.2	10087.8	11470.3	12852.9	14330.5	15807.9	16673.4	15807.9
13063.3	55°	12444.2	11825.2	11578.3	11331.3	12870.0	14408.6	16170.1	17931.6	18960.9	17931.6
14514.6	57.5°	14177.5	13840.3	13345.0	12849.7	14403.4	15957.1	17952.3	19947.3	21223.7	19947.3
15391.8	60°	15915.3	16439.0	15823.9	15208.8	16679.1	18149.4	20285.6	22421.7	23801.3	22421.7
14946.4	62.5°	16377.0	17807.7	17738.3	17668.9	19015.8	20362.8	22395.2	24427.5	25702.6	24427.5
14054.9	65°	15397.6	16740.4	17006.0	17271.6	18983.3	20695.1	22665.8	24636.5	25722.1	24636.5
12860.4	67.5°	14137.5	15414.5	15539.1	15663.6	17447.0	19230.4	21209.6	23188.8	24039.3	23188.8
11425.3	70°	12814.4	14203.5	14259.2	14315.0	15909.9	17504.7	19207.9	20911.0	21383.7	20911.0
9715.2	72.5°	11309.2	12903.3	12943.4	12983.3	14231.1	15478.9	16754.5	18030.0	18077.9	18030.0
7551.9	75°	9201.6	10851.4	10999.5	11147.7	12118.5	13089.3	13987.3	14885.2	14644.6	14885.2
5395.7	77.5°	6935.7	8475.8	8687.8	8899.8	9637.8	10375.8	11012.7	11649.7	11236.1	11649.7
3531.4	80°	4827.1	6122.6	6386.1	6649.6	7207.0	7764.1	8098.6	8432.9	7767.7	8432.9
2052.8	82.5°	2938.6	3824.4	4118.7	4413.2	4796.8	5180.4	5320.0	5459.4	4936.6	5459.4
903.2	85°	1373.3	1843.4	2093.8	2344.1	2659.3	2974.4	3053.6	3132.8	2714.1	3132.8
279.6	87.5°	437.6	595.6	735.3	875.0	1032.6	1190.2	1197.0	1203.6	1010.5	1203.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
3389.0	0°	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0	3389.0
3740.8	2.5°	3735.0	3723.3	3711.6	3691.9	3672.3	3658.4	3644.6
4179.2	5°	4163.5	4137.5	4111.5	4063.5	4015.6	3967.2	3919.0
4600.9	7.5°	4577.9	4535.4	4492.9	4422.3	4351.6	4273.2	4194.7
4879.9	10°	4857.5	4807.6	4757.4	4674.6	4591.7	4498.9	4406.0
4971.2	12.5°	4959.0	4922.6	4886.1	4811.5	4736.6	4636.1	4535.4
4871.3	15°	4884.3	4883.0	4881.7	4834.6	4787.7	4701.0	4614.1
4623.7	17.5°	4672.0	4724.6	4777.3	4776.5	4775.6	4717.0	4658.3
4307.3	20°	4392.0	4508.2	4624.5	4686.3	4748.0	4727.5	4707.1
4006.2	22.5°	4112.1	4283.1	4454.1	4582.1	4710.1	4736.8	4763.6
3752.1	25°	3863.5	4071.1	4278.8	4473.1	4667.4	4751.9	4836.5
3548.5	27.5°	3658.0	3888.2	4118.3	4375.6	4632.9	4784.2	4935.3
3403.2	30°	3504.8	3744.6	3984.4	4301.2	4618.0	4843.2	5068.6
3361.6	32.5°	3441.3	3666.7	3892.1	4250.5	4608.9	4917.4	5226.0
3583.5	35°	3602.1	3758.5	3915.1	4288.4	4661.9	5039.5	5417.1
4236.4	37.5°	4151.4	4161.5	4171.7	4511.1	4850.5	5294.8	5739.0
5317.4	40°	5110.6	4932.4	4754.3	5006.7	5259.1	5742.2	6225.4
6774.2	42.5°	6398.1	6009.5	5620.9	5766.3	5911.7	6391.1	6870.4
8540.5	45°	7922.5	7299.8	6677.3	6741.5	6805.6	7236.4	7666.9
10499.9	47.5°	9595.2	8697.3	7799.2	7812.2	7825.2	8244.2	8663.1
12447.5	50°	11253.3	10095.8	8938.4	8936.2	8934.0	9451.3	9968.8
14330.5	52.5°	12852.9	11470.3	10087.8	10151.2	10214.6	10841.0	11467.6
16170.1	55°	14408.6	12870.0	11331.3	11578.3	11825.2	12444.2	13063.3
17952.3	57.5°	15957.1	14403.4	12849.7	13345.0	13840.3	14177.5	14514.6
20285.6	60°	18149.4	16679.1	15208.8	15823.9	16439.0	15915.3	15391.8
22395.2	62.5°	20362.8	19015.8	17668.9	17738.3	17807.7	16377.0	14946.4
22665.8	65°	20695.1	18983.3	17271.6	17006.0	16740.4	15397.6	14054.9
21209.6	67.5°	19230.4	17447.0	15663.6	15539.1	15414.5	14137.5	12860.4
19207.9	70°	17504.7	15909.9	14315.0	14259.2	14203.5	12814.4	11425.3
16754.5	72.5°	15478.9	14231.1	12983.3	12943.4	12903.3	11309.2	9715.2
13987.3	75°	13089.3	12118.5	11147.7	10999.5	10851.4	9201.6	7551.9
11012.7	77.5°	10375.8	9637.8	8899.8	8687.8	8475.8	6935.7	5395.7
8098.6	80°	7764.1	7207.0	6649.6	6386.1	6122.6	4827.1	3531.4
5320.0	82.5°	5180.4	4796.8	4413.2	4118.7	3824.4	2938.6	2052.8
3053.6	85°	2974.4	2659.3	2344.1	2093.8	1843.4	1373.3	903.2
1197.0	87.5°	1190.2	1032.6	875.0	735.3	595.6	437.6	279.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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