

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: P948916

Luminaire Tested: **GALN-SB3D-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948916
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-SB3D-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26454 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

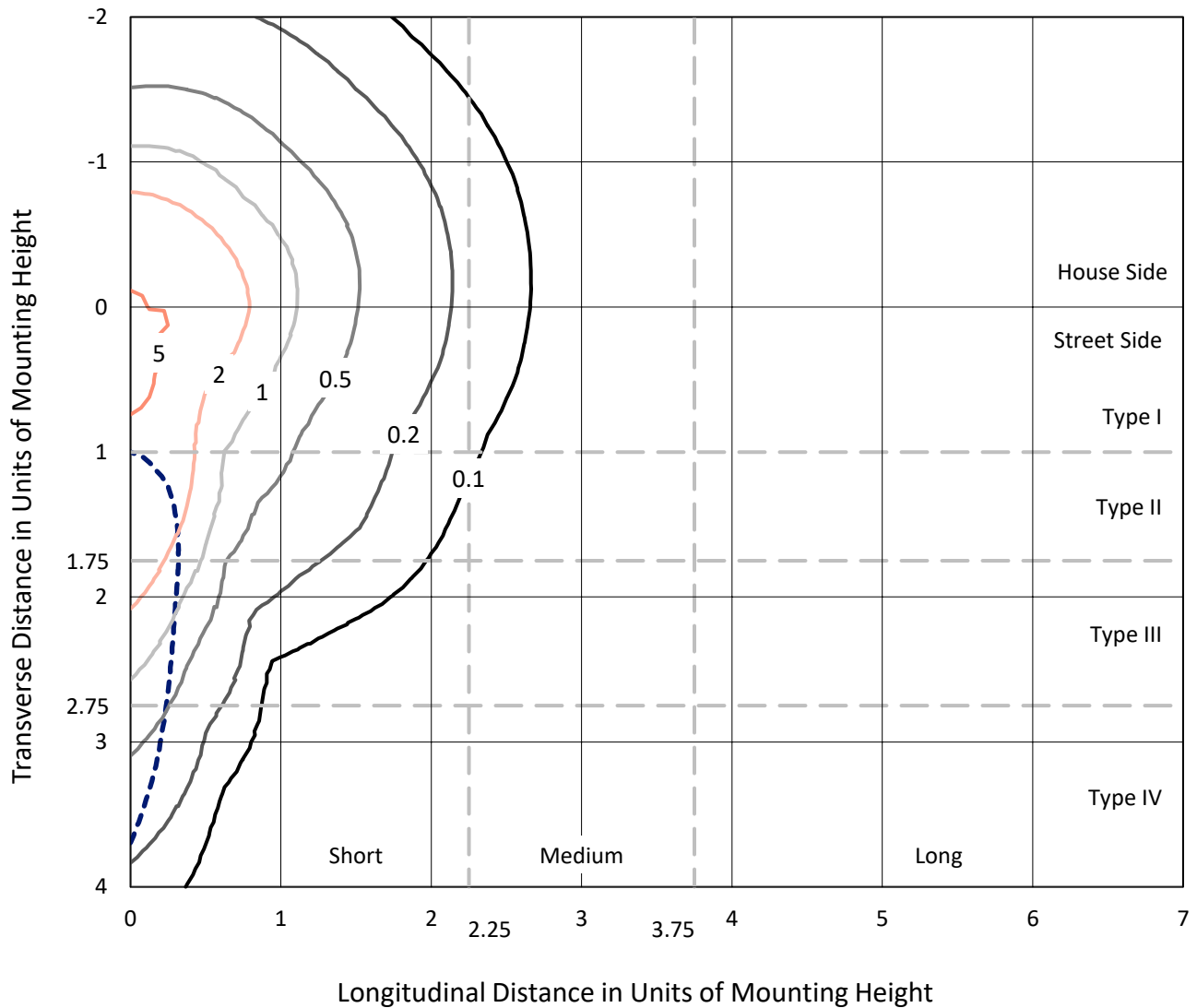
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

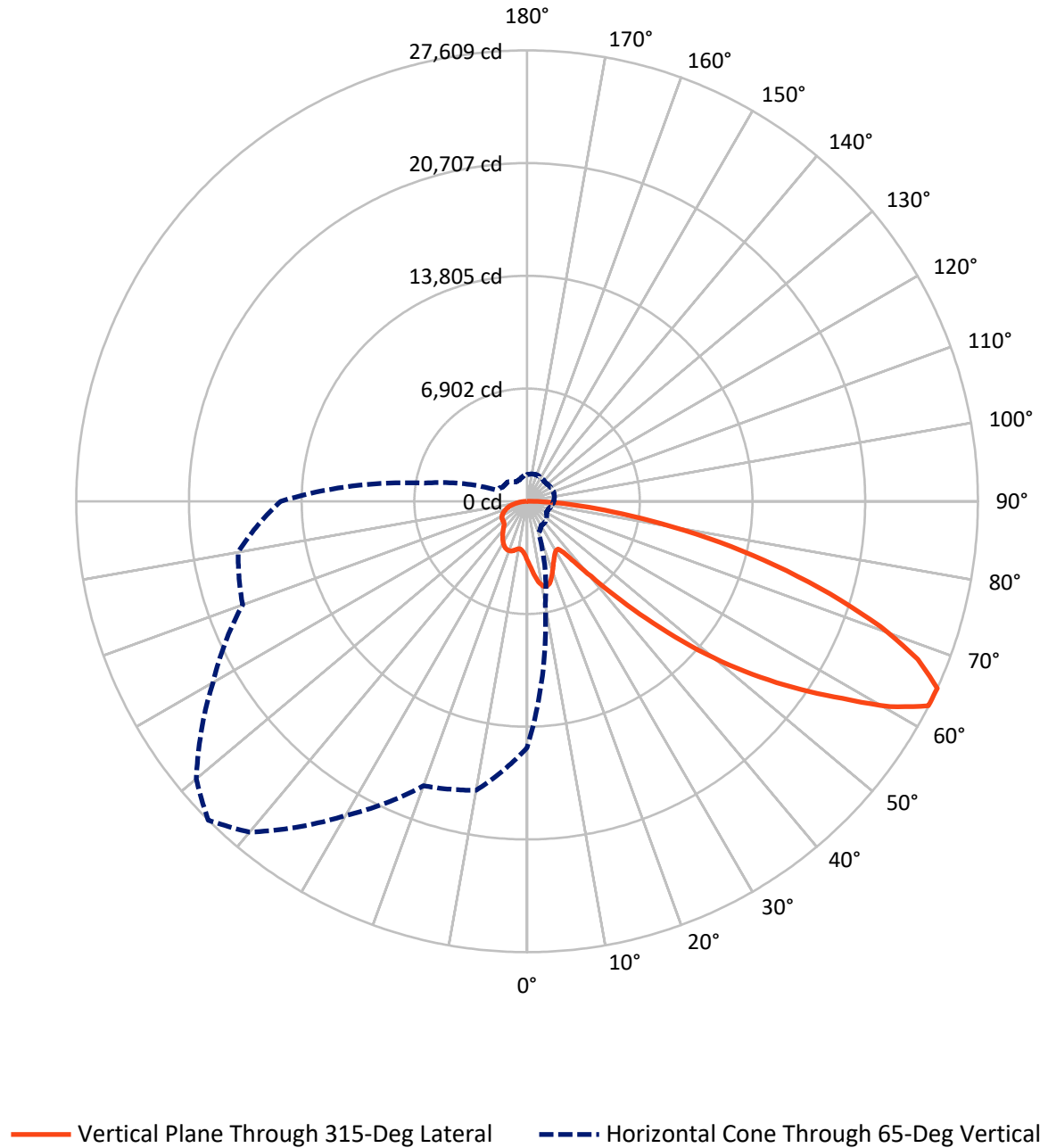
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	6723.3	0.0	6723.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	19730.7	0.0	19730.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	26454.0	0.0	26454.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.8	1.4
10°-20°	1132.8	4.3
20°-30°	1749.8	6.6
30°-40°	2217.4	8.4
40°-50°	3344.4	12.6
50°-60°	5403.4	20.4
60°-70°	6736.2	25.5
70°-80°	4417.2	16.7
80°-90°	1092.1	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°	26454.0	100.0
0°-180°	26454.0	100.0



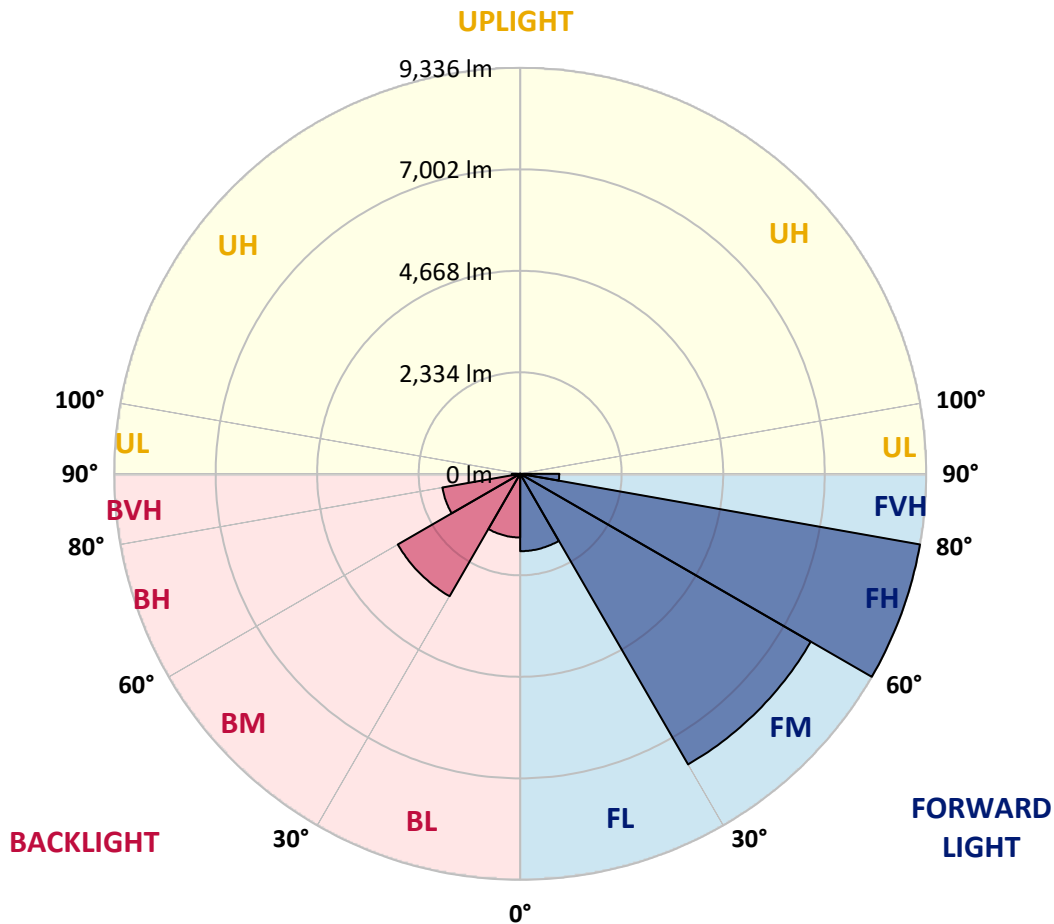
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1779.3	6.7			
FM (30°-60°)	7716.1	29.2			
FH (60°-80°)	9335.7	35.3			G4/12000
FVH (80°-90°)	899.6	3.4			G5
BL (0°-30°)	1464.1	5.5	B3/2500		
BM (30°-60°)	3249.1	12.3	B3/5000		
BH (60°-80°)	1817.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	192.4	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°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
2.5°	3911.9	3881.9	3851.9	3820.0	3788.1	3756.0	3723.9	3693.2	3662.5	3632.8
5°	4206.5	4140.2	4073.9	4007.7	3941.7	3875.1	3808.6	3746.5	3684.4	3625.8
7.5°	4502.4	4393.0	4283.7	4182.6	4081.5	3983.1	3884.7	3798.0	3711.4	3631.4
10°	4729.2	4590.9	4452.6	4319.0	4185.5	4066.0	3946.4	3844.0	3741.2	3642.5
12.5°	4868.1	4716.1	4564.2	4412.9	4261.6	4120.6	3979.6	3863.6	3747.6	3643.9
15°	4952.6	4794.1	4635.7	4471.5	4307.4	4145.1	3982.7	3848.4	3714.1	3599.3
17.5°	5000.0	4839.4	4678.7	4499.6	4320.5	4132.1	3943.6	3782.1	3620.6	3485.5
20°	5052.4	4885.4	4718.3	4521.5	4324.7	4096.3	3868.0	3667.8	3467.6	3310.3
22.5°	5113.1	4942.5	4771.8	4551.1	4330.3	4052.5	3774.7	3533.7	3292.6	3113.5
25°	5191.3	5024.0	4857.0	4604.7	4352.3	4009.2	3666.3	3383.9	3101.6	2918.1
27.5°	5297.3	5137.9	4978.4	4688.5	4398.4	3980.3	3562.3	3246.9	2931.6	2764.5
30°	5440.4	5286.3	5132.4	4796.9	4461.5	3966.8	3471.8	3132.5	2793.1	2652.9
32.5°	5609.3	5456.8	5304.3	4910.1	4515.9	3950.0	3383.9	3033.8	2683.6	2570.5
35°	5814.5	5668.5	5522.4	5039.1	4555.9	3918.5	3281.4	2936.8	2592.1	2497.9
37.5°	6160.0	5973.8	5787.6	5183.6	4579.6	3864.5	3149.4	2822.6	2495.8	2413.5
40°	6682.1	6410.7	6139.3	5367.0	4594.5	3790.1	2985.8	2686.4	2386.9	2312.3
42.5°	7374.4	6982.7	6591.0	5607.0	4622.9	3713.3	2804.0	2536.0	2268.0	2199.2
45°	8229.4	7701.0	7172.7	5922.7	4672.7	3642.0	2611.4	2376.3	2141.3	2071.5
47.5°	9298.6	8555.0	7811.3	6259.1	4706.9	3583.1	2459.3	2250.0	2040.8	1950.7
50°	10700.1	9579.1	8457.9	6571.2	4684.6	3518.9	2353.2	2166.1	1979.1	1860.7
52.5°	12308.8	10654.7	9000.6	6773.9	4547.1	3410.4	2273.9	2110.8	1947.9	1811.8
55°	14021.6	11608.4	9195.3	6729.2	4263.0	3230.6	2198.2	2070.8	1943.3	1816.7
57.5°	15579.4	12284.3	8989.2	6414.9	3840.8	2977.1	2113.4	2023.3	1933.3	1821.6
60°	16520.9	12453.2	8385.3	5829.9	3274.4	2648.0	2021.5	1950.7	1880.0	1806.3
62.5°	16042.8	11742.0	7441.1	5038.8	2636.5	2254.1	1871.6	1824.5	1777.6	1768.6
65°	15085.9	10735.7	6385.4	4231.7	2078.2	1899.6	1721.1	1698.9	1676.7	1677.8
67.5°	13803.8	9538.2	5272.5	3441.1	1609.7	1559.1	1508.2	1520.7	1533.0	1529.9
70°	12263.5	8231.5	4199.5	2709.4	1219.3	1233.8	1248.2	1305.7	1363.1	1363.1
72.5°	10427.9	6814.9	3202.1	2071.3	940.5	984.2	1028.1	1109.6	1191.0	1204.6
75°	8105.9	5191.1	2276.4	1503.4	730.3	770.0	809.6	900.9	992.2	1055.3
77.5°	5791.5	3633.3	1475.2	1018.7	562.3	589.2	616.3	704.9	793.6	897.5
80°	3790.5	2340.9	891.3	656.3	421.6	432.7	443.9	519.0	593.9	718.2
82.5°	2203.4	1354.8	506.4	403.7	301.2	303.2	305.4	360.7	416.0	522.1
85°	969.4	609.4	249.6	215.8	182.2	181.2	180.1	220.5	261.0	339.9
87.5°	300.1	199.6	99.1	89.5	79.8	78.9	77.9	94.4	111.0	143.8
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°
3637.7	0°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
3599.7	2.5°	3572.9	3546.2	3522.1	3498.1	3477.0	3455.9	3434.7	3413.6	3397.3	3380.8
3567.9	5°	3517.3	3466.7	3424.2	3381.9	3344.5	3307.1	3273.2	3239.1	3213.0	3186.8
3556.4	7.5°	3489.1	3422.0	3366.2	3310.3	3263.3	3216.1	3174.5	3133.0	3101.9	3070.9
3562.0	10°	3491.1	3420.2	3364.3	3308.5	3257.8	3207.0	3160.3	3113.5	3076.4	3039.1
3569.0	12.5°	3510.9	3453.1	3416.0	3379.1	3339.2	3299.6	3251.1	3202.8	3155.4	3107.9
3539.2	15°	3511.5	3483.8	3488.9	3493.9	3483.5	3473.2	3431.2	3389.2	3321.6	3254.1
3448.5	17.5°	3458.7	3468.8	3529.6	3590.5	3622.9	3655.1	3621.2	3587.4	3497.9	3408.4
3300.5	20°	3348.0	3395.5	3501.1	3606.9	3674.6	3742.3	3726.7	3710.9	3608.6	3506.4
3132.6	22.5°	3202.8	3273.1	3393.7	3514.5	3602.6	3690.7	3700.2	3709.5	3611.8	3514.1
2969.7	25°	3050.7	3131.6	3240.1	3348.7	3435.4	3522.1	3554.5	3586.7	3506.6	3426.6
2827.3	27.5°	2905.5	2983.7	3072.9	3161.9	3231.5	3301.0	3337.0	3373.1	3316.0	3259.1
2702.1	30°	2764.1	2826.4	2900.4	2974.3	3032.0	3089.8	3119.1	3148.4	3105.0	3061.4
2592.4	32.5°	2629.1	2665.8	2724.9	2784.1	2839.4	2894.8	2927.3	2960.0	2920.0	2880.0
2488.8	35°	2498.9	2509.1	2554.2	2599.1	2653.8	2708.7	2747.8	2786.9	2758.4	2730.1
2380.2	37.5°	2369.1	2357.9	2390.3	2422.5	2477.1	2531.8	2580.1	2628.4	2615.3	2602.2
2261.3	40°	2236.1	2210.8	2234.1	2257.4	2310.2	2362.9	2418.5	2474.2	2477.4	2480.5
2135.0	42.5°	2101.5	2068.0	2087.0	2106.1	2156.1	2206.2	2266.2	2326.2	2342.3	2358.3
2009.4	45°	1976.7	1944.2	1960.1	1976.3	2023.7	2071.2	2133.5	2195.7	2218.7	2241.8
1897.3	47.5°	1869.9	1842.6	1857.6	1872.6	1919.1	1965.4	2026.8	2088.2	2114.8	2141.3
1798.6	50°	1774.3	1750.1	1773.6	1797.2	1841.0	1884.7	1939.7	1994.7	2028.8	2062.8
1725.0	52.5°	1701.0	1677.1	1712.5	1747.6	1787.8	1827.9	1879.1	1930.5	1970.8	2011.2
1685.9	55°	1648.0	1610.1	1660.3	1710.2	1753.5	1796.8	1841.7	1886.5	1929.2	1972.1
1662.5	57.5°	1607.2	1551.9	1605.8	1659.7	1710.5	1761.3	1805.7	1850.2	1893.4	1936.4
1640.4	60°	1568.8	1497.1	1544.4	1591.6	1649.9	1708.3	1753.4	1798.6	1841.9	1885.1
1614.7	62.5°	1525.1	1435.7	1465.7	1495.7	1563.7	1631.8	1679.9	1728.1	1767.7	1807.4
1560.6	65°	1465.4	1370.1	1381.6	1393.1	1465.9	1539.0	1585.0	1631.1	1666.0	1700.9
1464.0	67.5°	1384.7	1305.4	1301.8	1298.2	1365.4	1432.9	1476.6	1520.1	1550.3	1580.4
1341.4	70°	1285.0	1228.7	1216.1	1203.5	1262.7	1321.9	1359.6	1397.3	1424.5	1451.7
1204.9	72.5°	1166.3	1127.6	1109.2	1090.9	1137.5	1184.0	1218.0	1252.1	1278.8	1305.4
1050.0	75°	1020.2	990.4	972.8	955.1	989.7	1024.3	1055.1	1086.0	1110.3	1134.6
894.8	77.5°	870.9	847.0	829.2	811.3	839.5	867.5	894.1	920.6	946.1	971.5
717.8	80°	697.8	677.7	662.8	647.7	671.1	694.4	716.8	739.1	758.5	777.8
527.9	82.5°	518.1	508.4	497.8	487.2	485.2	483.3	475.4	467.6	508.9	550.3
347.6	85°	337.1	326.6	314.8	302.9	292.9	282.7	261.0	239.4	278.1	316.9
153.5	87.5°	149.4	145.2	142.9	140.7	140.3	139.9	123.4	106.8	123.0	139.3
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°
3637.7	0°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
3367.6	2.5°	3354.3	3344.0	3333.6	3324.1	3314.5	3302.6	3314.5	3324.1	3333.6	3344.0
3168.5	5°	3150.2	3137.2	3124.2	3114.3	3104.4	3094.7	3104.4	3114.3	3124.2	3137.2
3049.2	7.5°	3027.4	3012.4	2997.6	2988.7	2979.9	2973.2	2979.9	2988.7	2997.6	3012.4
3014.8	10°	2990.2	2976.1	2962.0	2954.5	2947.0	2943.9	2947.0	2954.5	2962.0	2976.1
3076.5	12.5°	3045.1	3029.3	3013.7	3007.3	3000.9	2999.7	3000.9	3007.3	3013.7	3029.3
3206.3	15°	3158.6	3136.7	3114.9	3106.5	3098.1	3097.4	3098.1	3106.5	3114.9	3136.7
3338.1	17.5°	3267.7	3235.4	3202.8	3192.2	3181.5	3179.8	3181.5	3192.2	3202.8	3235.4
3420.2	20°	3334.0	3292.6	3251.0	3237.7	3224.5	3220.3	3224.5	3237.7	3251.0	3292.6
3425.3	22.5°	3336.4	3292.7	3248.9	3234.2	3219.6	3213.3	3219.6	3234.2	3248.9	3292.7
3347.6	25°	3268.9	3230.9	3193.1	3179.2	3165.6	3157.5	3165.6	3179.2	3193.1	3230.9
3197.8	27.5°	3136.5	3111.1	3085.6	3079.3	3073.0	3070.9	3073.0	3079.3	3085.6	3111.1
3017.6	30°	2973.5	2960.5	2947.4	2947.4	2947.4	2949.5	2947.4	2947.4	2947.4	2960.5
2844.9	32.5°	2809.9	2801.4	2792.9	2794.0	2795.2	2797.3	2795.2	2794.0	2792.9	2801.4
2697.7	35°	2665.4	2652.4	2639.6	2636.8	2634.0	2632.6	2634.0	2636.8	2639.6	2652.4
2572.5	37.5°	2542.6	2519.0	2495.5	2483.1	2470.7	2463.7	2470.7	2483.1	2495.5	2519.0
2455.2	40°	2429.9	2395.6	2361.5	2338.4	2315.5	2301.8	2315.5	2338.4	2361.5	2395.6
2337.0	42.5°	2315.8	2273.2	2230.6	2197.0	2163.3	2141.3	2163.3	2197.0	2230.6	2273.2
2222.5	45°	2203.4	2154.7	2106.1	2066.6	2027.1	2001.7	2027.1	2066.6	2106.1	2154.7
2127.9	47.5°	2114.5	2071.2	2027.9	1991.4	1954.9	1930.5	1954.9	1991.4	2027.9	2071.2
2062.0	50°	2061.4	2026.8	1992.2	1958.4	1924.6	1901.2	1924.6	1958.4	1992.2	2026.8
2018.4	52.5°	2025.7	1997.5	1969.3	1939.0	1908.9	1887.2	1908.9	1939.0	1969.3	1997.5
1982.1	55°	1992.2	1967.6	1943.1	1916.5	1890.0	1870.5	1890.0	1916.5	1943.1	1967.6
1946.5	57.5°	1956.7	1931.9	1907.0	1880.8	1854.4	1834.2	1854.4	1880.8	1907.0	1931.9
1896.3	60°	1907.5	1883.2	1859.0	1831.9	1804.9	1783.9	1804.9	1831.9	1859.0	1883.2
1818.1	62.5°	1828.9	1807.0	1785.0	1756.6	1728.1	1703.0	1728.1	1756.6	1785.0	1807.0
1711.9	65°	1722.8	1701.7	1680.6	1653.0	1625.5	1603.9	1625.5	1653.0	1680.6	1701.7
1591.2	67.5°	1601.8	1582.4	1563.1	1537.4	1511.7	1492.2	1511.7	1537.4	1563.1	1582.4
1462.0	70°	1472.4	1456.6	1440.8	1416.3	1391.7	1369.4	1391.7	1416.3	1440.8	1456.6
1317.7	72.5°	1330.0	1316.9	1303.7	1280.3	1257.0	1235.4	1257.0	1280.3	1303.7	1316.9
1147.4	75°	1160.3	1153.8	1147.4	1127.7	1108.0	1087.4	1108.0	1127.7	1147.4	1153.8
983.5	77.5°	995.5	986.6	977.4	957.6	937.7	921.3	937.7	957.6	977.4	986.6
793.7	80°	809.6	805.7	801.9	775.3	748.5	717.5	748.5	775.3	801.9	805.7
577.3	82.5°	604.4	602.7	600.9	578.5	555.8	536.0	555.8	578.5	600.9	602.7
350.4	85°	383.9	381.1	378.3	360.7	343.1	325.2	343.1	360.7	378.3	381.1
152.8	87.5°	166.4	163.0	159.4	150.5	141.3	132.6	141.3	150.5	159.4	163.0
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°
3637.7	0°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
3354.3	2.5°	3367.6	3380.8	3397.3	3413.6	3434.7	3455.9	3477.0	3498.1	3522.1	3546.2
3150.2	5°	3168.5	3186.8	3213.0	3239.1	3273.2	3307.1	3344.5	3381.9	3424.2	3466.7
3027.4	7.5°	3049.2	3070.9	3101.9	3133.0	3174.5	3216.1	3263.3	3310.3	3366.2	3422.0
2990.2	10°	3014.8	3039.1	3076.4	3113.5	3160.3	3207.0	3257.8	3308.5	3364.3	3420.2
3045.1	12.5°	3076.5	3107.9	3155.4	3202.8	3251.1	3299.6	3339.2	3379.1	3416.0	3453.1
3158.6	15°	3206.3	3254.1	3321.6	3389.2	3431.2	3473.2	3483.5	3493.9	3488.9	3483.8
3267.7	17.5°	3338.1	3408.4	3497.9	3587.4	3621.2	3655.1	3622.9	3590.5	3529.6	3468.8
3334.0	20°	3420.2	3506.4	3608.6	3710.9	3726.7	3742.3	3674.6	3606.9	3501.1	3395.5
3336.4	22.5°	3425.3	3514.1	3611.8	3709.5	3700.2	3690.7	3602.6	3514.5	3393.7	3273.1
3268.9	25°	3347.6	3426.6	3506.6	3586.7	3554.5	3522.1	3435.4	3348.7	3240.1	3131.6
3136.5	27.5°	3197.8	3259.1	3316.0	3373.1	3337.0	3301.0	3231.5	3161.9	3072.9	2983.7
2973.5	30°	3017.6	3061.4	3105.0	3148.4	3119.1	3089.8	3032.0	2974.3	2900.4	2826.4
2809.9	32.5°	2844.9	2880.0	2920.0	2960.0	2927.3	2894.8	2839.4	2784.1	2724.9	2665.8
2665.4	35°	2697.7	2730.1	2758.4	2786.9	2747.8	2708.7	2653.8	2599.1	2554.2	2509.1
2542.6	37.5°	2572.5	2602.2	2615.3	2628.4	2580.1	2531.8	2477.1	2422.5	2390.3	2357.9
2429.9	40°	2455.2	2480.5	2477.4	2474.2	2418.5	2362.9	2310.2	2257.4	2234.1	2210.8
2315.8	42.5°	2337.0	2358.3	2342.3	2326.2	2266.2	2206.2	2156.1	2106.1	2087.0	2068.0
2203.4	45°	2222.5	2241.8	2218.7	2195.7	2133.5	2071.2	2023.7	1976.3	1960.1	1944.2
2114.5	47.5°	2127.9	2141.3	2114.8	2088.2	2026.8	1965.4	1919.1	1872.6	1857.6	1842.6
2061.4	50°	2062.0	2062.8	2028.8	1994.7	1939.7	1884.7	1841.0	1797.2	1773.6	1750.1
2025.7	52.5°	2018.4	2011.2	1970.8	1930.5	1879.1	1827.9	1787.8	1747.6	1712.5	1677.1
1992.2	55°	1982.1	1972.1	1929.2	1886.5	1841.7	1796.8	1753.5	1710.2	1660.3	1610.1
1956.7	57.5°	1946.5	1936.4	1893.4	1850.2	1805.7	1761.3	1710.5	1659.7	1605.8	1551.9
1907.5	60°	1896.3	1885.1	1841.9	1798.6	1753.4	1708.3	1649.9	1591.6	1544.4	1497.1
1828.9	62.5°	1818.1	1807.4	1767.7	1728.1	1679.9	1631.8	1563.7	1495.7	1465.7	1435.7
1722.8	65°	1711.9	1700.9	1666.0	1631.1	1585.0	1539.0	1465.9	1393.1	1381.6	1370.1
1601.8	67.5°	1591.2	1580.4	1550.3	1520.1	1476.6	1432.9	1365.4	1298.2	1301.8	1305.4
1472.4	70°	1462.0	1451.7	1424.5	1397.3	1359.6	1321.9	1262.7	1203.5	1216.1	1228.7
1330.0	72.5°	1317.7	1305.4	1278.8	1252.1	1218.0	1184.0	1137.5	1090.9	1109.2	1127.6
1160.3	75°	1147.4	1134.6	1110.3	1086.0	1055.1	1024.3	989.7	955.1	972.8	990.4
995.5	77.5°	983.5	971.5	946.1	920.6	894.1	867.5	839.5	811.3	829.2	847.0
809.6	80°	793.7	777.8	758.5	739.1	716.8	694.4	671.1	647.7	662.8	677.7
604.4	82.5°	577.3	550.3	508.9	467.6	475.4	483.3	485.2	487.2	497.8	508.4
383.9	85°	350.4	316.9	278.1	239.4	261.0	282.7	292.9	302.9	314.8	326.6
166.4	87.5°	152.8	139.3	123.0	106.8	123.4	139.9	140.3	140.7	142.9	145.2
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°
3637.7	0°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
3572.9	2.5°	3599.7	3632.8	3662.5	3693.2	3723.9	3756.0	3788.1	3820.0	3851.9	3881.9
3517.3	5°	3567.9	3625.8	3684.4	3746.5	3808.6	3875.1	3941.7	4007.7	4073.9	4140.2
3489.1	7.5°	3556.4	3631.4	3711.4	3798.0	3884.7	3983.1	4081.5	4182.6	4283.7	4393.0
3491.1	10°	3562.0	3642.5	3741.2	3844.0	3946.4	4066.0	4185.5	4319.0	4452.6	4590.9
3510.9	12.5°	3569.0	3643.9	3747.6	3863.6	3979.6	4120.6	4261.6	4412.9	4564.2	4716.1
3511.5	15°	3539.2	3599.3	3714.1	3848.4	3982.7	4145.1	4307.4	4471.5	4635.7	4794.1
3458.7	17.5°	3448.5	3485.5	3620.6	3782.1	3943.6	4132.1	4320.5	4499.6	4678.7	4839.4
3348.0	20°	3300.5	3310.3	3467.6	3667.8	3868.0	4096.3	4324.7	4521.5	4718.3	4885.4
3202.8	22.5°	3132.6	3113.5	3292.6	3533.7	3774.7	4052.5	4330.3	4551.1	4771.8	4942.5
3050.7	25°	2969.7	2918.1	3101.6	3383.9	3666.3	4009.2	4352.3	4604.7	4857.0	5024.0
2905.5	27.5°	2827.3	2764.5	2931.6	3246.9	3562.3	3980.3	4398.4	4688.5	4978.4	5137.9
2764.1	30°	2702.1	2652.9	2793.1	3132.5	3471.8	3966.8	4461.5	4796.9	5132.4	5286.3
2629.1	32.5°	2592.4	2570.5	2683.6	3033.8	3383.9	3950.0	4515.9	4910.1	5304.3	5456.8
2498.9	35°	2488.8	2497.9	2592.1	2936.8	3281.4	3918.5	4555.9	5039.1	5522.4	5668.5
2369.1	37.5°	2380.2	2413.5	2495.8	2822.6	3149.4	3864.5	4579.6	5183.6	5787.6	5973.8
2236.1	40°	2261.3	2312.3	2386.9	2686.4	2985.8	3790.1	4594.5	5367.0	6139.3	6410.7
2101.5	42.5°	2135.0	2199.2	2268.0	2536.0	2804.0	3713.3	4622.9	5607.0	6591.0	6982.7
1976.7	45°	2009.4	2071.5	2141.3	2376.3	2611.4	3642.0	4672.7	5922.7	7172.7	7701.0
1869.9	47.5°	1897.3	1950.7	2040.8	2250.0	2459.3	3583.1	4706.9	6259.1	7811.3	8555.0
1774.3	50°	1798.6	1860.7	1979.1	2166.1	2353.2	3518.9	4684.6	6571.2	8457.9	9579.1
1701.0	52.5°	1725.0	1811.8	1947.9	2110.8	2273.9	3410.4	4547.1	6773.9	9000.6	10654.7
1648.0	55°	1685.9	1816.7	1943.3	2070.8	2198.2	3230.6	4263.0	6729.2	9195.3	11608.4
1607.2	57.5°	1662.5	1821.6	1933.3	2023.3	2113.4	2977.1	3840.8	6414.9	8989.2	12284.3
1568.8	60°	1640.4	1806.3	1880.0	1950.7	2021.5	2648.0	3274.4	5829.9	8385.3	12453.2
1525.1	62.5°	1614.7	1768.6	1777.6	1824.5	1871.6	2254.1	2636.5	5038.8	7441.1	11742.0
1465.4	65°	1560.6	1677.8	1676.7	1698.9	1721.1	1899.6	2078.2	4231.7	6385.4	10735.7
1384.7	67.5°	1464.0	1529.9	1533.0	1520.7	1508.2	1559.1	1609.7	3441.1	5272.5	9538.2
1285.0	70°	1341.4	1363.1	1363.1	1305.7	1248.2	1233.8	1219.3	2709.4	4199.5	8231.5
1166.3	72.5°	1204.9	1204.6	1191.0	1109.6	1028.1	984.2	940.5	2071.3	3202.1	6814.9
1020.2	75°	1050.0	1055.3	992.2	900.9	809.6	770.0	730.3	1503.4	2276.4	5191.1
870.9	77.5°	894.8	897.5	793.6	704.9	616.3	589.2	562.3	1018.7	1475.2	3633.3
697.8	80°	717.8	718.2	593.9	519.0	443.9	432.7	421.6	656.3	891.3	2340.9
518.1	82.5°	527.9	522.1	416.0	360.7	305.4	303.2	301.2	403.7	506.4	1354.8
337.1	85°	347.6	339.9	261.0	220.5	180.1	181.2	182.2	215.8	249.6	609.4
149.4	87.5°	153.5	143.8	111.0	94.4	77.9	78.9	79.8	89.5	99.1	199.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3637.7	0°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
3911.9	2.5°	3926.7	3941.7	3962.8	3983.8	3996.4	4009.0	4015.2	4021.5	4018.7	4021.5
4206.5	5°	4258.3	4310.2	4361.6	4413.1	4441.0	4468.9	4485.8	4502.8	4515.7	4502.8
4502.4	7.5°	4586.7	4670.9	4746.7	4822.5	4868.1	4913.8	4938.5	4963.0	4974.9	4963.0
4729.2	10°	4828.9	4928.6	5017.5	5106.4	5160.3	5213.9	5237.9	5261.8	5270.8	5261.8
4868.1	12.5°	4976.2	5084.1	5164.5	5244.6	5283.7	5322.8	5335.9	5349.0	5350.4	5349.0
4952.6	15°	5045.8	5138.9	5189.3	5239.8	5241.2	5242.6	5228.7	5214.7	5198.2	5214.7
5000.0	17.5°	5063.0	5125.9	5126.9	5127.8	5071.2	5014.7	4962.9	4911.0	4874.4	4911.0
5052.4	20°	5074.3	5096.3	5030.0	4963.7	4838.9	4714.2	4623.3	4532.4	4476.6	4532.4
5113.1	22.5°	5084.3	5055.6	4918.2	4780.9	4597.3	4413.8	4300.1	4186.5	4124.8	4186.5
5191.3	25°	5100.5	5009.8	4801.3	4592.7	4369.8	4146.9	4027.4	3908.2	3849.8	3908.2
5297.3	27.5°	5135.1	4972.8	4696.6	4420.5	4173.4	3926.3	3808.8	3691.4	3636.3	3691.4
5440.4	30°	5198.5	4956.8	4616.7	4276.7	4019.3	3761.9	3652.9	3543.8	3492.5	3543.8
5609.3	32.5°	5278.1	4947.0	4562.3	4177.6	3935.7	3693.8	3608.2	3522.5	3485.5	3522.5
5814.5	35°	5409.2	5003.9	4603.0	4202.3	4034.2	3866.3	3846.3	3826.4	3823.3	3826.4
6160.0	37.5°	5683.2	5206.3	4842.0	4477.7	4466.8	4455.9	4547.2	4638.5	4686.0	4638.5
6682.1	40°	6163.5	5644.9	5374.0	5103.0	5294.3	5485.5	5707.5	5929.4	6040.0	5929.4
7374.4	42.5°	6859.9	6345.4	6189.3	6033.3	6450.3	6867.4	7271.1	7674.8	7911.8	7674.8
8229.4	45°	7767.2	7304.9	7236.1	7167.1	7835.3	8503.7	9167.0	9830.5	10233.2	9830.5
9298.6	47.5°	8849.0	8399.3	8385.3	8371.3	9335.3	10299.1	11270.2	12241.1	12811.3	12241.1
10700.1	50°	10144.7	9589.4	9591.8	9594.1	10836.5	12078.8	13360.6	14642.5	15417.5	14642.5
12308.8	52.5°	11636.3	10963.9	10895.9	10827.8	12311.8	13795.7	15381.7	16967.6	17896.5	16967.6
14021.6	55°	13357.1	12692.7	12427.6	12162.5	13814.1	15465.6	17356.3	19247.0	20351.9	19247.0
15579.4	57.5°	15217.6	14855.6	14323.9	13792.4	15460.0	17127.7	19269.2	21410.6	22780.7	21410.6
16520.9	60°	17082.9	17645.0	16984.7	16324.5	17902.7	19480.8	21773.7	24066.6	25547.3	24066.6
16042.8	62.5°	17578.4	19114.0	19039.6	18965.1	20410.8	21856.6	24038.1	26219.4	27588.1	26219.4
15085.9	65°	16527.2	17968.4	18253.6	18538.6	20375.9	22213.3	24328.6	26443.8	27609.0	26443.8
13803.8	67.5°	15174.6	16545.3	16679.0	16812.6	18726.9	20641.1	22765.5	24889.9	25802.8	24889.9
12263.5	70°	13754.4	15245.5	15305.2	15365.1	17077.0	18788.8	20616.9	22445.0	22952.4	22445.0
10427.9	72.5°	12138.8	13849.9	13892.9	13935.7	15275.1	16614.4	17983.6	19352.7	19404.1	19352.7
8105.9	75°	9876.7	11647.5	11806.5	11965.4	13007.5	14049.5	15013.3	15977.2	15719.0	15977.2
5791.5	77.5°	7444.5	9097.6	9325.1	9552.7	10344.8	11137.0	11820.6	12504.3	12060.4	12504.3
3790.5	80°	5181.2	6571.8	6854.6	7137.4	7735.7	8333.7	8692.7	9051.6	8337.6	9051.6
2203.4	82.5°	3154.1	4105.0	4420.9	4736.9	5148.7	5560.5	5710.2	5859.9	5298.7	5859.9
969.4	85°	1474.0	1978.7	2247.4	2516.1	2854.4	3192.6	3277.7	3362.7	2913.2	3362.7
300.1	87.5°	469.7	639.3	789.2	939.1	1108.3	1277.5	1284.8	1291.9	1084.6	1291.9
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):

325°		330°	335°	340°	345°	350°	355°	360°
3637.7	0°	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7	3637.7
4015.2	2.5°	4009.0	3996.4	3983.8	3962.8	3941.7	3926.7	3911.9
4485.8	5°	4468.9	4441.0	4413.1	4361.6	4310.2	4258.3	4206.5
4938.5	7.5°	4913.8	4868.1	4822.5	4746.7	4670.9	4586.7	4502.4
5237.9	10°	5213.9	5160.3	5106.4	5017.5	4928.6	4828.9	4729.2
5335.9	12.5°	5322.8	5283.7	5244.6	5164.5	5084.1	4976.2	4868.1
5228.7	15°	5242.6	5241.2	5239.8	5189.3	5138.9	5045.8	4952.6
4962.9	17.5°	5014.7	5071.2	5127.8	5126.9	5125.9	5063.0	5000.0
4623.3	20°	4714.2	4838.9	4963.7	5030.0	5096.3	5074.3	5052.4
4300.1	22.5°	4413.8	4597.3	4780.9	4918.2	5055.6	5084.3	5113.1
4027.4	25°	4146.9	4369.8	4592.7	4801.3	5009.8	5100.5	5191.3
3808.8	27.5°	3926.3	4173.4	4420.5	4696.6	4972.8	5135.1	5297.3
3652.9	30°	3761.9	4019.3	4276.7	4616.7	4956.8	5198.5	5440.4
3608.2	32.5°	3693.8	3935.7	4177.6	4562.3	4947.0	5278.1	5609.3
3846.3	35°	3866.3	4034.2	4202.3	4603.0	5003.9	5409.2	5814.5
4547.2	37.5°	4455.9	4466.8	4477.7	4842.0	5206.3	5683.2	6160.0
5707.5	40°	5485.5	5294.3	5103.0	5374.0	5644.9	6163.5	6682.1
7271.1	42.5°	6867.4	6450.3	6033.3	6189.3	6345.4	6859.9	7374.4
9167.0	45°	8503.7	7835.3	7167.1	7236.1	7304.9	7767.2	8229.4
11270.2	47.5°	10299.1	9335.3	8371.3	8385.3	8399.3	8849.0	9298.6
13360.6	50°	12078.8	10836.5	9594.1	9591.8	9589.4	10144.7	10700.1
15381.7	52.5°	13795.7	12311.8	10827.8	10895.9	10963.9	11636.3	12308.8
17356.3	55°	15465.6	13814.1	12162.5	12427.6	12692.7	13357.1	14021.6
19269.2	57.5°	17127.7	15460.0	13792.4	14323.9	14855.6	15217.6	15579.4
21773.7	60°	19480.8	17902.7	16324.5	16984.7	17645.0	17082.9	16520.9
24038.1	62.5°	21856.6	20410.8	18965.1	19039.6	19114.0	17578.4	16042.8
24328.6	65°	22213.3	20375.9	18538.6	18253.6	17968.4	16527.2	15085.9
22765.5	67.5°	20641.1	18726.9	16812.6	16679.0	16545.3	15174.6	13803.8
20616.9	70°	18788.8	17077.0	15365.1	15305.2	15245.5	13754.4	12263.5
17983.6	72.5°	16614.4	15275.1	13935.7	13892.9	13849.9	12138.8	10427.9
15013.3	75°	14049.5	13007.5	11965.4	11806.5	11647.5	9876.7	8105.9
11820.6	77.5°	11137.0	10344.8	9552.7	9325.1	9097.6	7444.5	5791.5
8692.7	80°	8333.7	7735.7	7137.4	6854.6	6571.8	5181.2	3790.5
5710.2	82.5°	5560.5	5148.7	4736.9	4420.9	4105.0	3154.1	2203.4
3277.7	85°	3192.6	2854.4	2516.1	2247.4	1978.7	1474.0	969.4
1284.8	87.5°	1277.5	1108.3	939.1	789.2	639.3	469.7	300.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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