

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: P950974

Luminaire Tested: **GALN-SB5B-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950974
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-735-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28343 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

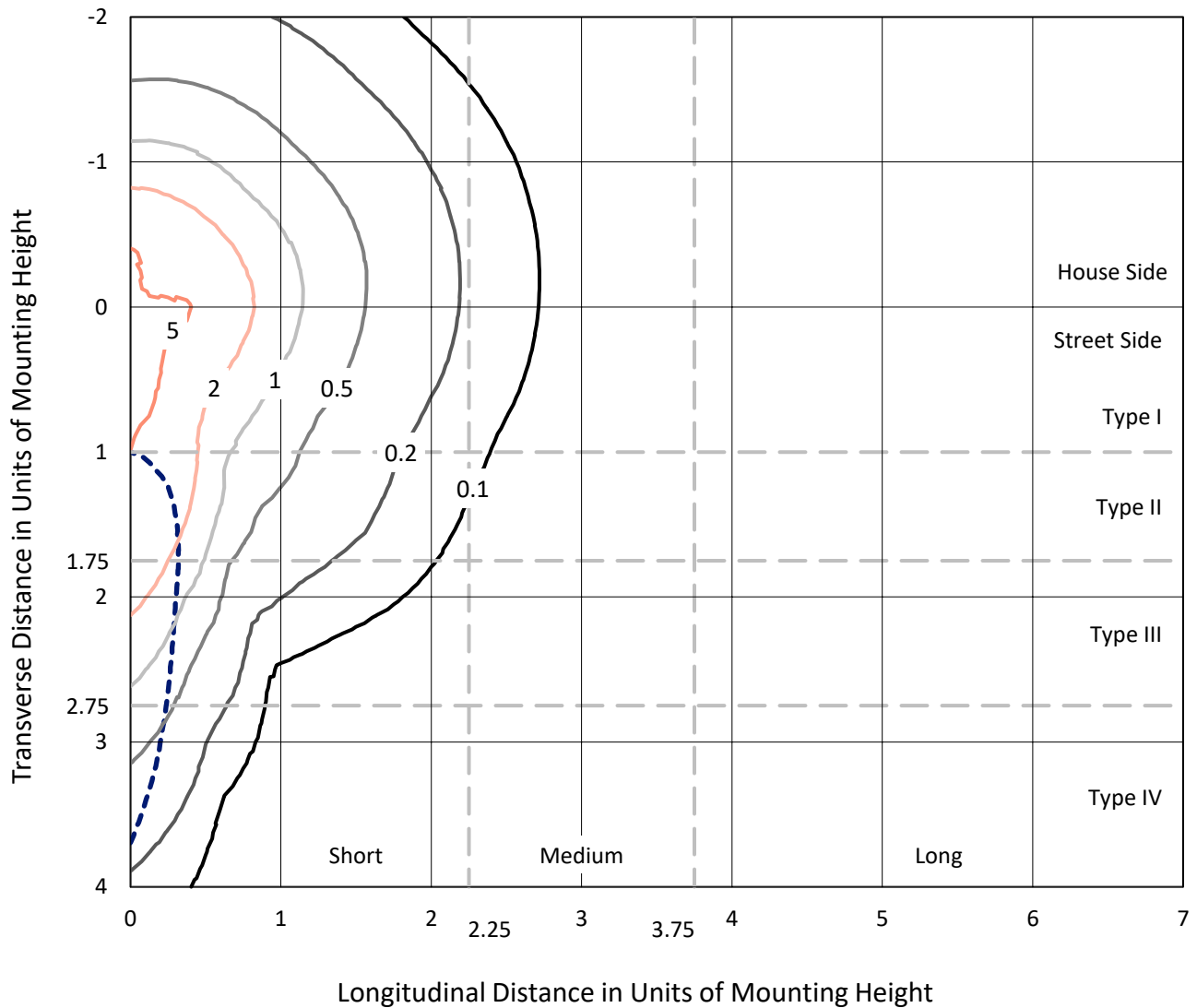
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

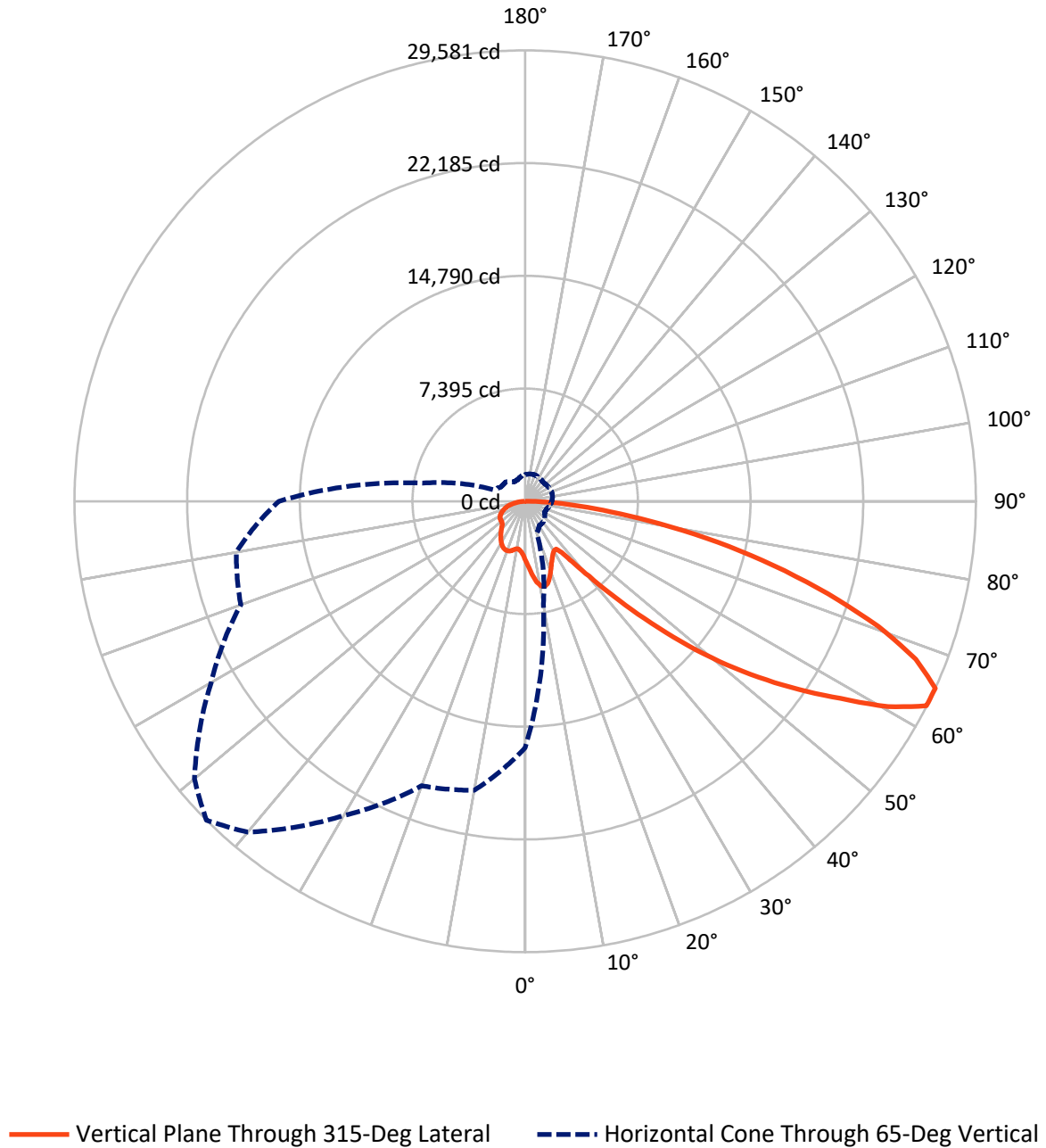
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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CATALOG NUMBER: GALN-SB5B-735-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7203.4	0.0	7203.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21139.6	0.0	21139.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	28343.0	0.0	28343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.6	1.4
10°-20°	1213.7	4.3
20°-30°	1874.7	6.6
30°-40°	2375.7	8.4
40°-50°	3583.2	12.6
50°-60°	5789.2	20.4
60°-70°	7217.2	25.5
70°-80°	4732.7	16.7
80°-90°	1170.0	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°	28343.0	100.0
0°-180°	28343.0	100.0

Coefficient of Utilization



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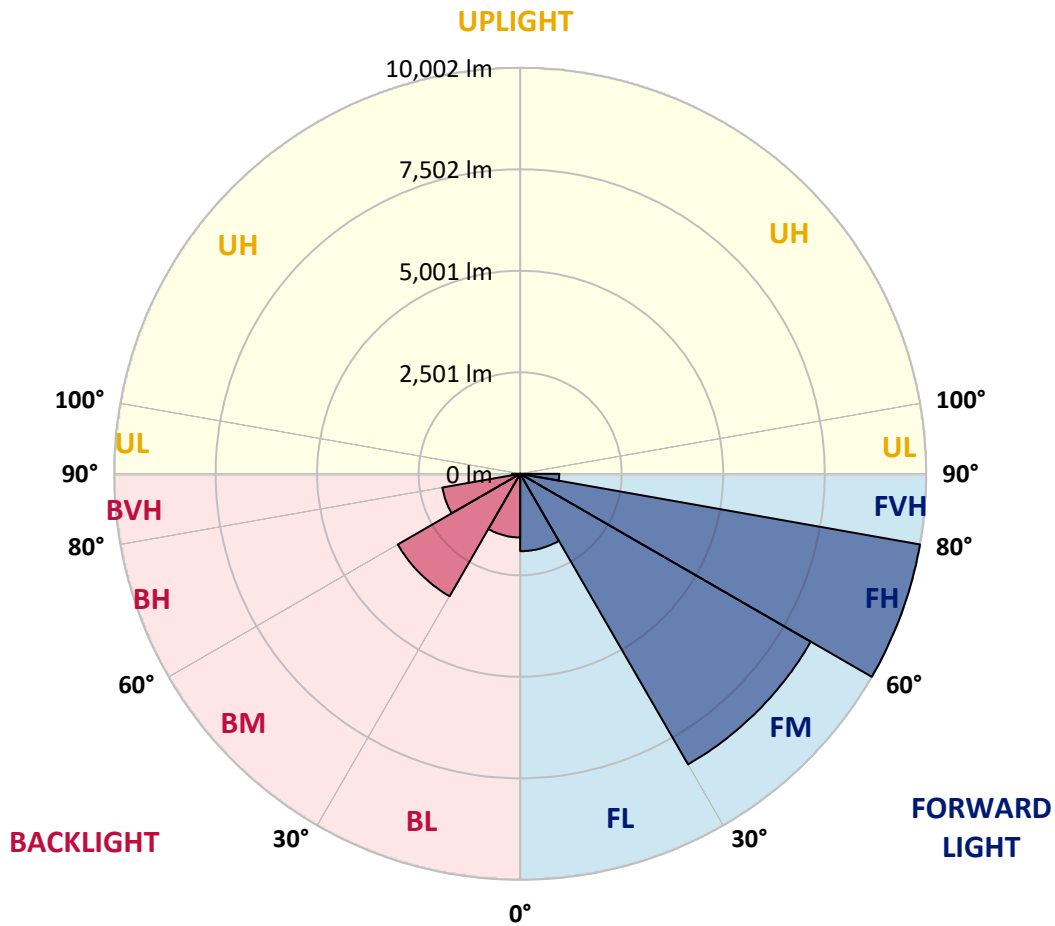
CATALOG NUMBER: GALN-SB5B-735-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1906.4	6.7			
FM (30°-60°)	8267.0	29.2			
FH (60°-80°)	10002.4	35.3			G4/12000
FVH (80°-90°)	963.8	3.4			G5
BL (0°-30°)	1568.6	5.5	B3/2500		
BM (30°-60°)	3481.1	12.3	B3/5000		
BH (60°-80°)	1947.5	6.9	B3/2500		G3/2500
BVH (80°-90°)	206.2	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°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
2.5°	4191.3	4159.1	4127.0	4092.7	4058.6	4024.2	3989.8	3956.9	3924.0	3892.2
5°	4506.8	4435.8	4364.8	4293.9	4223.1	4151.8	4080.6	4014.1	3947.5	3884.7
7.5°	4823.9	4706.6	4589.5	4481.3	4373.0	4267.6	4162.1	4069.2	3976.4	3890.7
10°	5066.9	4918.7	4770.5	4627.4	4484.4	4356.4	4228.2	4118.4	4008.4	3902.6
12.5°	5215.7	5052.9	4890.2	4728.0	4565.9	4414.9	4263.8	4139.5	4015.3	3904.1
15°	5306.2	5136.5	4966.7	4790.8	4615.0	4441.0	4267.1	4123.2	3979.4	3856.3
17.5°	5357.1	5184.9	5012.8	4820.9	4629.0	4427.1	4225.2	4052.2	3879.2	3734.4
20°	5413.1	5234.3	5055.3	4844.4	4633.5	4388.8	4144.2	3929.7	3715.2	3546.7
22.5°	5478.2	5295.4	5112.5	4876.1	4639.5	4341.9	4044.3	3786.0	3527.7	3335.8
25°	5562.0	5382.8	5203.8	4933.5	4663.1	4295.5	3928.1	3625.5	3323.1	3126.4
27.5°	5675.6	5504.8	5333.9	5023.3	4712.5	4264.6	3816.6	3478.8	3141.0	2961.9
30°	5828.9	5663.8	5498.8	5139.5	4780.1	4250.1	3719.7	3356.2	2992.6	2842.3
32.5°	6009.9	5846.4	5683.1	5260.8	4838.4	4232.1	3625.5	3250.4	2875.2	2754.1
35°	6229.7	6073.3	5916.7	5398.9	4881.2	4198.3	3515.7	3146.5	2777.2	2676.3
37.5°	6599.9	6400.4	6200.9	5553.7	4906.6	4140.4	3374.3	3024.2	2674.0	2585.8
40°	7159.2	6868.5	6577.7	5750.2	4922.6	4060.7	3199.0	2878.2	2557.4	2477.4
42.5°	7901.0	7481.3	7061.7	6007.3	4953.0	3978.5	3004.3	2717.1	2430.0	2356.2
45°	8817.0	8251.0	7684.9	6345.6	5006.4	3902.0	2797.9	2546.0	2294.2	2219.4
47.5°	9962.6	9165.9	8369.1	6706.1	5043.0	3838.9	2634.9	2410.7	2186.5	2090.0
50°	11464.1	10263.1	9061.8	7040.5	5019.1	3770.1	2521.2	2320.8	2120.4	1993.6
52.5°	13187.8	11415.5	9643.3	7257.6	4871.8	3653.9	2436.3	2261.6	2087.0	1941.2
55°	15022.8	12437.3	9851.9	7209.8	4567.4	3461.3	2355.2	2218.7	2082.1	1946.5
57.5°	16691.8	13161.4	9631.1	6873.0	4115.0	3189.7	2264.3	2167.8	2071.3	1951.7
60°	17700.6	13342.4	8984.1	6246.2	3508.3	2837.1	2165.9	2090.0	2014.2	1935.2
62.5°	17188.4	12580.4	7972.5	5398.6	2824.8	2415.0	2005.2	1954.8	1904.6	1894.9
65°	16163.2	11502.3	6841.4	4533.9	2226.6	2035.3	1844.0	1820.2	1796.5	1797.7
67.5°	14789.5	10219.3	5649.0	3686.8	1724.7	1670.4	1615.9	1629.3	1642.4	1639.1
70°	13139.2	8819.3	4499.4	2902.9	1306.4	1321.9	1337.3	1398.9	1460.4	1460.4
72.5°	11172.5	7301.6	3430.8	2219.2	1007.7	1054.5	1101.5	1188.8	1276.0	1290.7
75°	8684.7	5561.8	2438.9	1610.7	782.5	824.9	867.4	965.2	1063.0	1130.6
77.5°	6205.0	3892.8	1580.5	1091.5	602.4	631.3	660.3	755.3	850.2	961.6
80°	4061.2	2508.0	954.9	703.2	451.7	463.6	475.6	556.0	636.4	769.5
82.5°	2360.7	1451.6	542.6	432.5	322.7	324.8	327.2	386.5	445.7	559.3
85°	1038.7	653.0	267.4	231.2	195.2	194.1	192.9	236.3	279.7	364.2
87.5°	321.5	213.9	106.2	95.9	85.5	84.5	83.5	101.1	118.9	154.0
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°
3897.4	0°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
3856.7	2.5°	3828.0	3799.4	3773.6	3747.9	3725.3	3702.7	3680.0	3657.4	3639.9	3622.2
3822.6	5°	3768.5	3714.2	3668.7	3623.4	3583.3	3543.3	3506.9	3470.4	3442.5	3414.3
3810.4	7.5°	3738.3	3666.3	3606.5	3546.7	3496.3	3445.8	3401.2	3356.8	3323.4	3290.2
3816.3	10°	3740.4	3664.4	3604.6	3544.8	3490.5	3436.0	3385.9	3335.8	3296.0	3256.1
3823.8	12.5°	3761.6	3699.7	3659.9	3620.4	3577.7	3535.2	3483.3	3431.5	3380.7	3329.8
3792.0	15°	3762.2	3732.6	3738.0	3743.4	3732.3	3721.2	3676.2	3631.2	3558.8	3486.4
3694.8	17.5°	3705.7	3716.4	3781.7	3846.9	3881.6	3916.1	3879.8	3843.6	3747.7	3651.8
3536.2	20°	3587.1	3637.9	3751.1	3864.5	3937.0	4009.6	3992.8	3975.9	3866.3	3756.8
3356.3	22.5°	3431.5	3506.8	3636.0	3765.5	3859.9	3954.2	3964.4	3974.4	3869.7	3765.1
3181.8	25°	3268.5	3355.3	3471.5	3587.8	3680.7	3773.6	3808.3	3842.8	3757.0	3671.3
3029.2	27.5°	3113.0	3196.7	3292.3	3387.7	3462.2	3536.7	3575.3	3614.0	3552.8	3491.8
2895.1	30°	2961.5	3028.2	3107.5	3186.7	3248.5	3310.4	3341.8	3373.2	3326.7	3280.0
2777.5	32.5°	2816.9	2856.2	2919.5	2982.9	3042.1	3101.5	3136.3	3171.3	3128.5	3085.6
2666.6	35°	2677.3	2688.3	2736.6	2784.7	2843.3	2902.1	2944.0	2985.9	2955.4	2925.0
2550.2	37.5°	2538.2	2526.3	2561.0	2595.5	2654.0	2712.6	2764.4	2816.1	2802.1	2788.0
2422.8	40°	2395.7	2368.7	2393.6	2418.6	2475.1	2531.7	2591.2	2650.9	2654.3	2657.6
2287.4	42.5°	2251.6	2215.7	2236.0	2256.5	2310.0	2363.7	2428.0	2492.3	2509.5	2526.7
2152.8	45°	2117.9	2083.0	2100.1	2117.4	2168.3	2219.1	2285.8	2352.5	2377.2	2401.9
2032.8	47.5°	2003.4	1974.1	1990.3	2006.3	2056.1	2105.7	2171.5	2237.3	2265.8	2294.2
1927.0	50°	1901.0	1875.1	1900.2	1925.5	1972.5	2019.3	2078.2	2137.1	2173.6	2210.1
1848.2	52.5°	1822.5	1796.9	1834.7	1872.4	1915.5	1958.4	2013.3	2068.3	2111.6	2154.8
1806.3	55°	1765.6	1725.1	1778.8	1832.3	1878.7	1925.1	1973.2	2021.2	2067.0	2112.9
1781.2	57.5°	1722.0	1662.8	1720.5	1778.2	1832.6	1887.1	1934.6	1982.4	2028.6	2074.6
1757.6	60°	1680.9	1604.0	1654.7	1705.2	1767.7	1830.3	1878.6	1927.0	1973.4	2019.7
1730.1	62.5°	1634.0	1538.2	1570.3	1602.5	1675.3	1748.3	1799.9	1851.5	1894.0	1936.4
1672.0	65°	1570.0	1467.9	1480.3	1492.6	1570.6	1648.8	1698.2	1747.6	1784.9	1822.3
1568.5	67.5°	1483.6	1398.6	1394.8	1390.9	1462.9	1535.2	1582.0	1628.7	1661.0	1693.3
1437.2	70°	1376.8	1316.4	1302.9	1289.5	1352.9	1416.3	1456.7	1497.0	1526.2	1555.4
1291.0	72.5°	1249.5	1208.1	1188.4	1168.8	1218.7	1268.5	1305.0	1341.5	1370.1	1398.6
1125.0	75°	1093.1	1061.1	1042.2	1023.3	1060.3	1097.4	1130.5	1163.5	1189.6	1215.6
958.6	77.5°	933.1	907.5	888.4	869.2	899.4	929.5	957.9	986.3	1013.7	1040.9
769.0	80°	747.6	726.1	710.1	693.9	719.1	744.0	768.0	791.9	812.7	833.3
565.6	82.5°	555.1	544.7	533.3	521.9	519.9	517.8	509.4	501.0	545.3	589.5
372.4	85°	361.2	350.0	337.2	324.5	313.8	302.8	279.7	256.5	297.9	339.5
164.5	87.5°	160.0	155.5	153.1	150.8	150.3	149.9	132.2	114.4	131.8	149.3
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°
3897.4	0°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
3608.0	2.5°	3593.8	3582.7	3571.7	3561.5	3551.2	3538.5	3551.2	3561.5	3571.7	3582.7
3394.8	5°	3375.2	3361.3	3347.3	3336.7	3326.1	3315.6	3326.1	3336.7	3347.3	3361.3
3266.9	7.5°	3243.6	3227.5	3211.7	3202.1	3192.7	3185.5	3192.7	3202.1	3211.7	3227.5
3230.1	10°	3203.8	3188.7	3173.6	3165.5	3157.4	3154.1	3157.4	3165.5	3173.6	3188.7
3296.2	12.5°	3262.5	3245.6	3228.9	3222.0	3215.1	3213.9	3215.1	3222.0	3228.9	3245.6
3435.3	15°	3384.1	3360.7	3337.3	3328.3	3319.4	3318.6	3319.4	3328.3	3337.3	3360.7
3576.5	17.5°	3501.1	3466.4	3431.5	3420.2	3408.7	3406.9	3408.7	3420.2	3431.5	3466.4
3664.4	20°	3572.1	3527.7	3483.1	3468.9	3454.7	3450.2	3454.7	3468.9	3483.1	3527.7
3669.9	22.5°	3574.7	3527.9	3480.9	3465.2	3449.5	3442.8	3449.5	3465.2	3480.9	3527.9
3586.6	25°	3502.3	3461.6	3421.1	3406.3	3391.6	3382.9	3391.6	3406.3	3421.1	3461.6
3426.2	27.5°	3360.5	3333.3	3305.9	3299.2	3292.5	3290.2	3292.5	3299.2	3305.9	3333.3
3233.1	30°	3185.8	3171.9	3157.9	3157.9	3157.9	3160.1	3157.9	3157.9	3157.9	3171.9
3048.1	32.5°	3010.5	3001.4	2992.3	2993.5	2994.8	2997.1	2994.8	2993.5	2992.3	3001.4
2890.3	35°	2855.8	2841.8	2828.1	2825.1	2822.1	2820.6	2822.1	2825.1	2828.1	2841.8
2756.2	37.5°	2724.1	2698.9	2673.7	2660.4	2647.1	2639.6	2647.1	2660.4	2673.7	2698.9
2630.5	40°	2603.5	2566.7	2530.2	2505.3	2480.8	2466.2	2480.8	2505.3	2530.2	2566.7
2503.9	42.5°	2481.1	2435.5	2389.9	2353.8	2317.8	2294.2	2317.8	2353.8	2389.9	2435.5
2381.2	45°	2360.7	2308.5	2256.5	2214.2	2171.8	2144.6	2171.8	2214.2	2256.5	2308.5
2279.8	47.5°	2265.5	2219.1	2172.7	2133.6	2094.5	2068.3	2094.5	2133.6	2172.7	2219.1
2209.2	50°	2208.6	2171.5	2134.5	2098.3	2062.1	2036.9	2062.1	2098.3	2134.5	2171.5
2162.6	52.5°	2170.3	2140.1	2109.9	2077.5	2045.2	2022.0	2045.2	2077.5	2109.9	2140.1
2123.7	55°	2134.5	2108.1	2081.8	2053.4	2025.0	2004.0	2025.0	2053.4	2081.8	2108.1
2085.5	57.5°	2096.5	2069.8	2043.2	2015.1	1986.8	1965.2	1986.8	2015.1	2043.2	2069.8
2031.7	60°	2043.7	2017.6	1991.8	1962.8	1933.7	1911.3	1933.7	1962.8	1991.8	2017.6
1948.0	62.5°	1959.5	1936.0	1912.5	1882.0	1851.5	1824.6	1851.5	1882.0	1912.5	1936.0
1834.1	65°	1845.8	1823.2	1800.6	1771.0	1741.6	1718.4	1741.6	1771.0	1800.6	1823.2
1704.8	67.5°	1716.1	1695.4	1674.7	1647.2	1619.7	1598.7	1619.7	1647.2	1674.7	1695.4
1566.4	70°	1577.5	1560.6	1543.7	1517.4	1491.1	1467.1	1491.1	1517.4	1543.7	1560.6
1411.8	72.5°	1425.0	1410.9	1396.8	1371.7	1346.7	1323.6	1346.7	1371.7	1396.8	1410.9
1229.3	75°	1243.1	1236.2	1229.3	1208.3	1187.2	1165.0	1187.2	1208.3	1229.3	1236.2
1053.8	77.5°	1066.6	1057.1	1047.2	1025.9	1004.7	987.1	1004.7	1025.9	1047.2	1057.1
850.4	80°	867.4	863.2	859.2	830.6	801.9	768.7	801.9	830.6	859.2	863.2
618.6	82.5°	647.6	645.8	643.8	619.8	595.5	574.3	595.5	619.8	643.8	645.8
375.4	85°	411.3	408.3	405.3	386.5	367.6	348.5	367.6	386.5	405.3	408.3
163.8	87.5°	178.3	174.7	170.8	161.2	151.3	142.1	151.3	161.2	170.8	174.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3897.4	0°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
3593.8	2.5°	3608.0	3622.2	3639.9	3657.4	3680.0	3702.7	3725.3	3747.9	3773.6	3799.4
3375.2	5°	3394.8	3414.3	3442.5	3470.4	3506.9	3543.3	3583.3	3623.4	3668.7	3714.2
3243.6	7.5°	3266.9	3290.2	3323.4	3356.8	3401.2	3445.8	3496.3	3546.7	3606.5	3666.3
3203.8	10°	3230.1	3256.1	3296.0	3335.8	3385.9	3436.0	3490.5	3544.8	3604.6	3664.4
3262.5	12.5°	3296.2	3329.8	3380.7	3431.5	3483.3	3535.2	3577.7	3620.4	3659.9	3699.7
3384.1	15°	3435.3	3486.4	3558.8	3631.2	3676.2	3721.2	3732.3	3743.4	3738.0	3732.6
3501.1	17.5°	3576.5	3651.8	3747.7	3843.6	3879.8	3916.1	3881.6	3846.9	3781.7	3716.4
3572.1	20°	3664.4	3756.8	3866.3	3975.9	3992.8	4009.6	3937.0	3864.5	3751.1	3637.9
3574.7	22.5°	3669.9	3765.1	3869.7	3974.4	3964.4	3954.2	3859.9	3765.5	3636.0	3506.8
3502.3	25°	3586.6	3671.3	3757.0	3842.8	3808.3	3773.6	3680.7	3587.8	3471.5	3355.3
3360.5	27.5°	3426.2	3491.8	3552.8	3614.0	3575.3	3536.7	3462.2	3387.7	3292.3	3196.7
3185.8	30°	3233.1	3280.0	3326.7	3373.2	3341.8	3310.4	3248.5	3186.7	3107.5	3028.2
3010.5	32.5°	3048.1	3085.6	3128.5	3171.3	3136.3	3101.5	3042.1	2982.9	2919.5	2856.2
2855.8	35°	2890.3	2925.0	2955.4	2985.9	2944.0	2902.1	2843.3	2784.7	2736.6	2688.3
2724.1	37.5°	2756.2	2788.0	2802.1	2816.1	2764.4	2712.6	2654.0	2595.5	2561.0	2526.3
2603.5	40°	2630.5	2657.6	2654.3	2650.9	2591.2	2531.7	2475.1	2418.6	2393.6	2368.7
2481.1	42.5°	2503.9	2526.7	2509.5	2492.3	2428.0	2363.7	2310.0	2256.5	2236.0	2215.7
2360.7	45°	2381.2	2401.9	2377.2	2352.5	2285.8	2219.1	2168.3	2117.4	2100.1	2083.0
2265.5	47.5°	2279.8	2294.2	2265.8	2237.3	2171.5	2105.7	2056.1	2006.3	1990.3	1974.1
2208.6	50°	2209.2	2210.1	2173.6	2137.1	2078.2	2019.3	1972.5	1925.5	1900.2	1875.1
2170.3	52.5°	2162.6	2154.8	2111.6	2068.3	2013.3	1958.4	1915.5	1872.4	1834.7	1796.9
2134.5	55°	2123.7	2112.9	2067.0	2021.2	1973.2	1925.1	1878.7	1832.3	1778.8	1725.1
2096.5	57.5°	2085.5	2074.6	2028.6	1982.4	1934.6	1887.1	1832.6	1778.2	1720.5	1662.8
2043.7	60°	2031.7	2019.7	1973.4	1927.0	1878.6	1830.3	1767.7	1705.2	1654.7	1604.0
1959.5	62.5°	1948.0	1936.4	1894.0	1851.5	1799.9	1748.3	1675.3	1602.5	1570.3	1538.2
1845.8	65°	1834.1	1822.3	1784.9	1747.6	1698.2	1648.8	1570.6	1492.6	1480.3	1467.9
1716.1	67.5°	1704.8	1693.3	1661.0	1628.7	1582.0	1535.2	1462.9	1390.9	1394.8	1398.6
1577.5	70°	1566.4	1555.4	1526.2	1497.0	1456.7	1416.3	1352.9	1289.5	1302.9	1316.4
1425.0	72.5°	1411.8	1398.6	1370.1	1341.5	1305.0	1268.5	1218.7	1168.8	1188.4	1208.1
1243.1	75°	1229.3	1215.6	1189.6	1163.5	1130.5	1097.4	1060.3	1023.3	1042.2	1061.1
1066.6	77.5°	1053.8	1040.9	1013.7	986.3	957.9	929.5	899.4	869.2	888.4	907.5
867.4	80°	850.4	833.3	812.7	791.9	768.0	744.0	719.1	693.9	710.1	726.1
647.6	82.5°	618.6	589.5	545.3	501.0	509.4	517.8	519.9	521.9	533.3	544.7
411.3	85°	375.4	339.5	297.9	256.5	279.7	302.8	313.8	324.5	337.2	350.0
178.3	87.5°	163.8	149.3	131.8	114.4	132.2	149.9	150.3	150.8	153.1	155.5
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°
3897.4	0°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
3828.0	2.5°	3856.7	3892.2	3924.0	3956.9	3989.8	4024.2	4058.6	4092.7	4127.0	4159.1
3768.5	5°	3822.6	3884.7	3947.5	4014.1	4080.6	4151.8	4223.1	4293.9	4364.8	4435.8
3738.3	7.5°	3810.4	3890.7	3976.4	4069.2	4162.1	4267.6	4373.0	4481.3	4589.5	4706.6
3740.4	10°	3816.3	3902.6	4008.4	4118.4	4228.2	4356.4	4484.4	4627.4	4770.5	4918.7
3761.6	12.5°	3823.8	3904.1	4015.3	4139.5	4263.8	4414.9	4565.9	4728.0	4890.2	5052.9
3762.2	15°	3792.0	3856.3	3979.4	4123.2	4267.1	4441.0	4615.0	4790.8	4966.7	5136.5
3705.7	17.5°	3694.8	3734.4	3879.2	4052.2	4225.2	4427.1	4629.0	4820.9	5012.8	5184.9
3587.1	20°	3536.2	3546.7	3715.2	3929.7	4144.2	4388.8	4633.5	4844.4	5055.3	5234.3
3431.5	22.5°	3356.3	3335.8	3527.7	3786.0	4044.3	4341.9	4639.5	4876.1	5112.5	5295.4
3268.5	25°	3181.8	3126.4	3323.1	3625.5	3928.1	4295.5	4663.1	4933.5	5203.8	5382.8
3113.0	27.5°	3029.2	2961.9	3141.0	3478.8	3816.6	4264.6	4712.5	5023.3	5333.9	5504.8
2961.5	30°	2895.1	2842.3	2992.6	3356.2	3719.7	4250.1	4780.1	5139.5	5498.8	5663.8
2816.9	32.5°	2777.5	2754.1	2875.2	3250.4	3625.5	4232.1	4838.4	5260.8	5683.1	5846.4
2677.3	35°	2666.6	2676.3	2777.2	3146.5	3515.7	4198.3	4881.2	5398.9	5916.7	6073.3
2538.2	37.5°	2550.2	2585.8	2674.0	3024.2	3374.3	4140.4	4906.6	5553.7	6200.9	6400.4
2395.7	40°	2422.8	2477.4	2557.4	2878.2	3199.0	4060.7	4922.6	5750.2	6577.7	6868.5
2251.6	42.5°	2287.4	2356.2	2430.0	2717.1	3004.3	3978.5	4953.0	6007.3	7061.7	7481.3
2117.9	45°	2152.8	2219.4	2294.2	2546.0	2797.9	3902.0	5006.4	6345.6	7684.9	8251.0
2003.4	47.5°	2032.8	2090.0	2186.5	2410.7	2634.9	3838.9	5043.0	6706.1	8369.1	9165.9
1901.0	50°	1927.0	1993.6	2120.4	2320.8	2521.2	3770.1	5019.1	7040.5	9061.8	10263.1
1822.5	52.5°	1848.2	1941.2	2087.0	2261.6	2436.3	3653.9	4871.8	7257.6	9643.3	11415.5
1765.6	55°	1806.3	1946.5	2082.1	2218.7	2355.2	3461.3	4567.4	7209.8	9851.9	12437.3
1722.0	57.5°	1781.2	1951.7	2071.3	2167.8	2264.3	3189.7	4115.0	6873.0	9631.1	13161.4
1680.9	60°	1757.6	1935.2	2014.2	2090.0	2165.9	2837.1	3508.3	6246.2	8984.1	13342.4
1634.0	62.5°	1730.1	1894.9	1904.6	1954.8	2005.2	2415.0	2824.8	5398.6	7972.5	12580.4
1570.0	65°	1672.0	1797.7	1796.5	1820.2	1844.0	2035.3	2226.6	4533.9	6841.4	11502.3
1483.6	67.5°	1568.5	1639.1	1642.4	1629.3	1615.9	1670.4	1724.7	3686.8	5649.0	10219.3
1376.8	70°	1437.2	1460.4	1460.4	1398.9	1337.3	1321.9	1306.4	2902.9	4499.4	8819.3
1249.5	72.5°	1291.0	1290.7	1276.0	1188.8	1101.5	1054.5	1007.7	2219.2	3430.8	7301.6
1093.1	75°	1125.0	1130.6	1063.0	965.2	867.4	824.9	782.5	1610.7	2438.9	5561.8
933.1	77.5°	958.6	961.6	850.2	755.3	660.3	631.3	602.4	1091.5	1580.5	3892.8
747.6	80°	769.0	769.5	636.4	556.0	475.6	463.6	451.7	703.2	954.9	2508.0
555.1	82.5°	565.6	559.3	445.7	386.5	327.2	324.8	322.7	432.5	542.6	1451.6
361.2	85°	372.4	364.2	279.7	236.3	192.9	194.1	195.2	231.2	267.4	653.0
160.0	87.5°	164.5	154.0	118.9	101.1	83.5	84.5	85.5	95.9	106.2	213.9
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
3897.4	0°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
4191.3	2.5°	4207.1	4223.1	4245.7	4268.3	4281.8	4295.2	4302.0	4308.7	4305.7	4308.7
4506.8	5°	4562.3	4618.0	4673.0	4728.2	4758.1	4788.0	4806.1	4824.3	4838.1	4824.3
4823.9	7.5°	4914.2	5004.4	5085.6	5166.8	5215.7	5264.6	5291.1	5317.4	5330.1	5317.4
5066.9	10°	5173.7	5280.5	5375.8	5471.0	5528.8	5586.2	5611.9	5637.5	5647.2	5637.5
5215.7	12.5°	5331.5	5447.1	5533.2	5619.1	5661.0	5702.8	5716.9	5731.0	5732.4	5731.0
5306.2	15°	5406.1	5505.9	5559.9	5614.0	5615.5	5617.0	5602.0	5587.1	5569.4	5587.1
5357.1	17.5°	5424.5	5492.0	5493.0	5493.9	5433.3	5372.8	5317.3	5261.6	5222.5	5261.6
5413.1	20°	5436.6	5460.3	5389.2	5318.2	5184.5	5050.8	4953.4	4856.1	4796.2	4856.1
5478.2	22.5°	5447.4	5416.6	5269.4	5122.3	4925.6	4728.9	4607.2	4485.5	4419.4	4485.5
5562.0	25°	5464.7	5367.5	5144.1	4920.7	4681.8	4443.0	4315.0	4187.2	4124.7	4187.2
5675.6	27.5°	5501.8	5327.9	5031.9	4736.1	4471.4	4206.7	4080.8	3955.0	3895.9	3955.0
5828.9	30°	5569.7	5310.7	4946.4	4582.1	4306.3	4030.5	3913.7	3796.9	3741.9	3796.9
6009.9	32.5°	5655.0	5300.2	4888.1	4475.9	4216.7	3957.5	3865.9	3774.0	3734.4	3774.0
6229.7	35°	5795.4	5361.3	4931.7	4502.4	4322.3	4142.4	4121.0	4099.6	4096.3	4099.6
6599.9	37.5°	6089.0	5578.1	5187.8	4797.4	4785.8	4774.1	4871.9	4969.7	5020.6	4969.7
7159.2	40°	6603.6	6048.0	5757.7	5467.4	5672.3	5877.2	6115.0	6352.8	6471.3	6352.8
7901.0	42.5°	7349.7	6798.5	6631.3	6464.1	6910.9	7357.8	7790.3	8222.8	8476.8	8222.8
8817.0	45°	8321.8	7826.5	7752.8	7678.9	8394.8	9110.9	9821.6	10532.4	10963.9	10532.4
9962.6	47.5°	9480.9	8999.0	8984.1	8969.1	10001.9	11034.5	12074.9	13115.2	13726.2	13115.2
11464.1	50°	10869.1	10274.1	10276.7	10279.2	11610.3	12941.3	14314.7	15688.0	16518.4	15688.0
13187.8	52.5°	12467.2	11746.8	11674.0	11601.0	13190.9	14780.8	16480.1	18179.2	19174.5	18179.2
15022.8	55°	14310.9	13599.0	13315.0	13031.0	14800.6	16570.0	18595.7	20621.4	21805.1	20621.4
16691.8	57.5°	16304.2	15916.4	15346.7	14777.2	16564.0	18350.7	20645.2	22939.5	24407.4	22939.5
17700.6	60°	18302.7	18905.0	18197.6	17490.2	19181.0	20871.9	23328.5	25785.1	27371.6	25785.1
17188.4	62.5°	18833.6	20478.9	20399.2	20319.3	21868.2	23417.3	25754.6	28091.7	29558.1	28091.7
16163.2	65°	17707.3	19251.5	19557.0	19862.4	21830.9	23799.5	26065.8	28332.0	29580.5	28332.0
14789.5	67.5°	16258.1	17726.8	17870.0	18013.2	20064.2	22115.0	24391.1	26667.2	27645.3	26667.2
13139.2	70°	14736.6	16334.1	16398.1	16462.3	18296.4	20130.4	22089.1	24047.7	24591.3	24047.7
11172.5	72.5°	13005.6	14838.9	14884.9	14930.8	16365.8	17800.8	19267.8	20734.6	20789.7	20734.6
8684.7	75°	10581.9	12479.2	12649.5	12819.9	13936.3	15052.7	16085.4	17118.1	16841.4	17118.1
6205.0	77.5°	7976.1	9747.3	9991.0	10234.8	11083.5	11932.3	12664.6	13397.1	12921.6	13397.1
4061.2	80°	5551.2	7041.1	7344.1	7647.1	8288.0	8928.7	9313.4	9697.9	8932.9	9697.9
2360.7	82.5°	3379.3	4398.1	4736.6	5075.2	5516.3	5957.5	6118.0	6278.3	5677.1	6278.3
1038.7	85°	1579.3	2119.9	2407.8	2695.7	3058.3	3420.6	3511.7	3602.8	3121.2	3602.8
321.5	87.5°	503.3	685.0	845.6	1006.2	1187.5	1368.7	1376.5	1384.1	1162.0	1384.1
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°
3897.4	0°	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4	3897.4
4302.0	2.5°	4295.2	4281.8	4268.3	4245.7	4223.1	4207.1	4191.3
4806.1	5°	4788.0	4758.1	4728.2	4673.0	4618.0	4562.3	4506.8
5291.1	7.5°	5264.6	5215.7	5166.8	5085.6	5004.4	4914.2	4823.9
5611.9	10°	5586.2	5528.8	5471.0	5375.8	5280.5	5173.7	5066.9
5716.9	12.5°	5702.8	5661.0	5619.1	5533.2	5447.1	5331.5	5215.7
5602.0	15°	5617.0	5615.5	5614.0	5559.9	5505.9	5406.1	5306.2
5317.3	17.5°	5372.8	5433.3	5493.9	5493.0	5492.0	5424.5	5357.1
4953.4	20°	5050.8	5184.5	5318.2	5389.2	5460.3	5436.6	5413.1
4607.2	22.5°	4728.9	4925.6	5122.3	5269.4	5416.6	5447.4	5478.2
4315.0	25°	4443.0	4681.8	4920.7	5144.1	5367.5	5464.7	5562.0
4080.8	27.5°	4206.7	4471.4	4736.1	5031.9	5327.9	5501.8	5675.6
3913.7	30°	4030.5	4306.3	4582.1	4946.4	5310.7	5569.7	5828.9
3865.9	32.5°	3957.5	4216.7	4475.9	4888.1	5300.2	5655.0	6009.9
4121.0	35°	4142.4	4322.3	4502.4	4931.7	5361.3	5795.4	6229.7
4871.9	37.5°	4774.1	4785.8	4797.4	5187.8	5578.1	6089.0	6599.9
6115.0	40°	5877.2	5672.3	5467.4	5757.7	6048.0	6603.6	7159.2
7790.3	42.5°	7357.8	6910.9	6464.1	6631.3	6798.5	7349.7	7901.0
9821.6	45°	9110.9	8394.8	7678.9	7752.8	7826.5	8321.8	8817.0
12074.9	47.5°	11034.5	10001.9	8969.1	8984.1	8999.0	9480.9	9962.6
14314.7	50°	12941.3	11610.3	10279.2	10276.7	10274.1	10869.1	11464.1
16480.1	52.5°	14780.8	13190.9	11601.0	11674.0	11746.8	12467.2	13187.8
18595.7	55°	16570.0	14800.6	13031.0	13315.0	13599.0	14310.9	15022.8
20645.2	57.5°	18350.7	16564.0	14777.2	15346.7	15916.4	16304.2	16691.8
23328.5	60°	20871.9	19181.0	17490.2	18197.6	18905.0	18302.7	17700.6
25754.6	62.5°	23417.3	21868.2	20319.3	20399.2	20478.9	18833.6	17188.4
26065.8	65°	23799.5	21830.9	19862.4	19557.0	19251.5	17707.3	16163.2
24391.1	67.5°	22115.0	20064.2	18013.2	17870.0	17726.8	16258.1	14789.5
22089.1	70°	20130.4	18296.4	16462.3	16398.1	16334.1	14736.6	13139.2
19267.8	72.5°	17800.8	16365.8	14930.8	14884.9	14838.9	13005.6	11172.5
16085.4	75°	15052.7	13936.3	12819.9	12649.5	12479.2	10581.9	8684.7
12664.6	77.5°	11932.3	11083.5	10234.8	9991.0	9747.3	7976.1	6205.0
9313.4	80°	8928.7	8288.0	7647.1	7344.1	7041.1	5551.2	4061.2
6118.0	82.5°	5957.5	5516.3	5075.2	4736.6	4398.1	3379.3	2360.7
3511.7	85°	3420.6	3058.3	2695.7	2407.8	2119.9	1579.3	1038.7
1376.5	87.5°	1368.7	1187.5	1006.2	845.6	685.0	503.3	321.5
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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