

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: P948158

Luminaire Tested: **GALN-SB3B-750-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948158
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-SB3B-750-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17811 lumens
Efficiency: N/A
Efficacy: 163.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

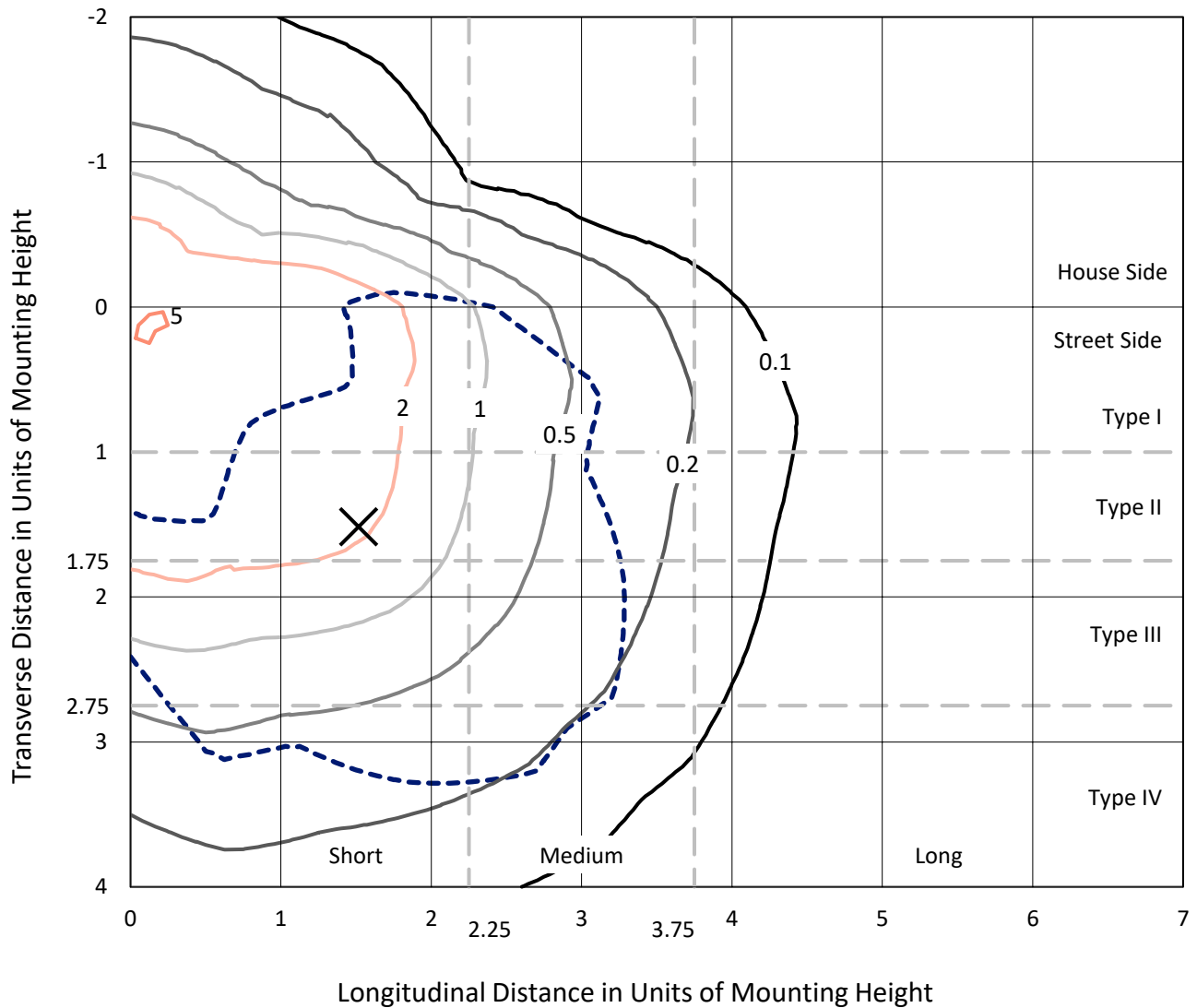
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

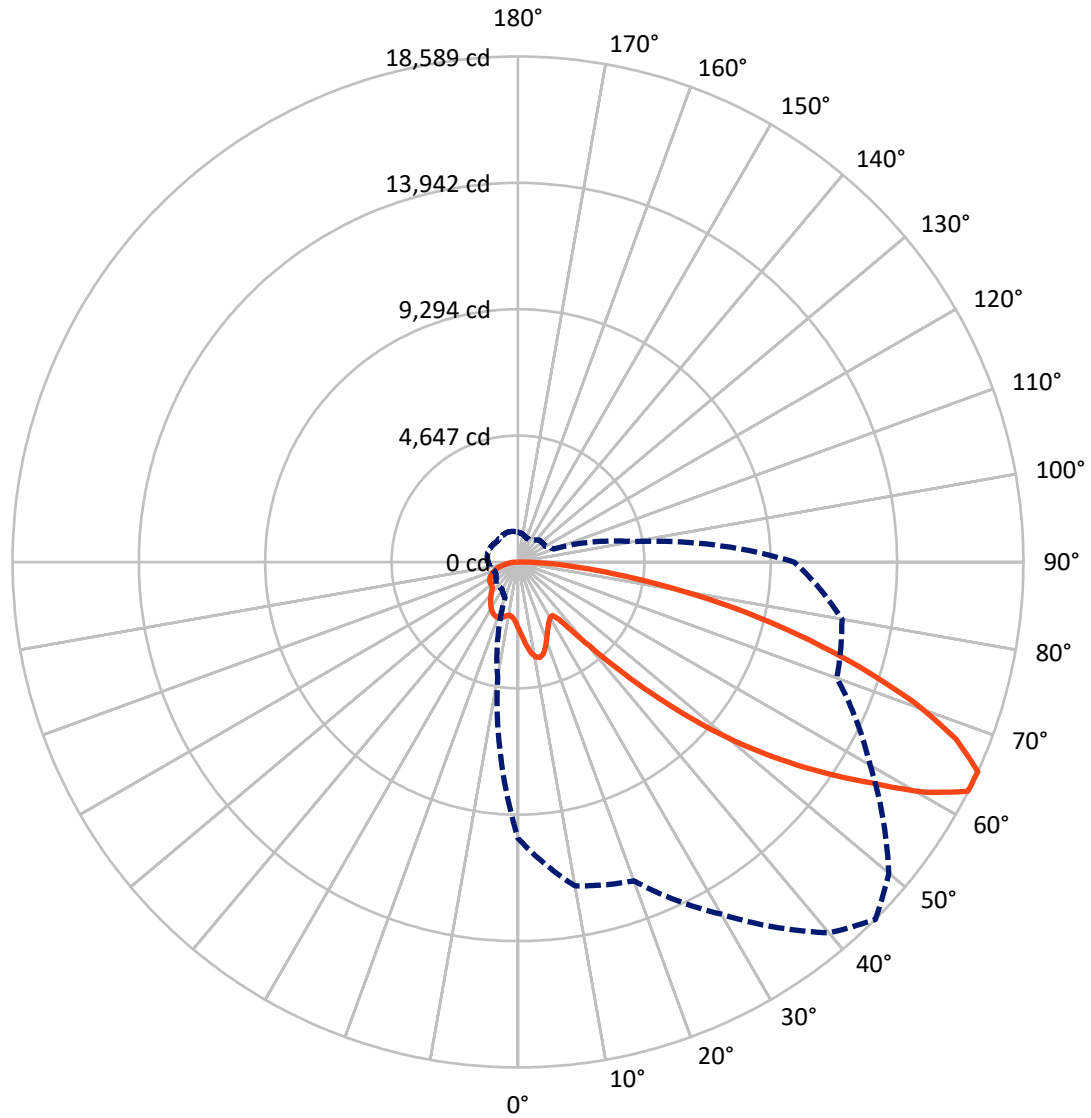
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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CATALOG NUMBER: GALN-SB3B-750-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4526.7	0.0	4526.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13284.3	0.0	13284.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	17811.0	0.0	17811.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	1.4
10°-20°	762.7	4.3
20°-30°	1178.1	6.6
30°-40°	1492.9	8.4
40°-50°	2251.7	12.6
50°-60°	3638.0	20.4
60°-70°	4535.3	25.5
70°-80°	2974.0	16.7
80°-90°	735.3	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°	17811.0	100.0
0°-180°	17811.0	100.0



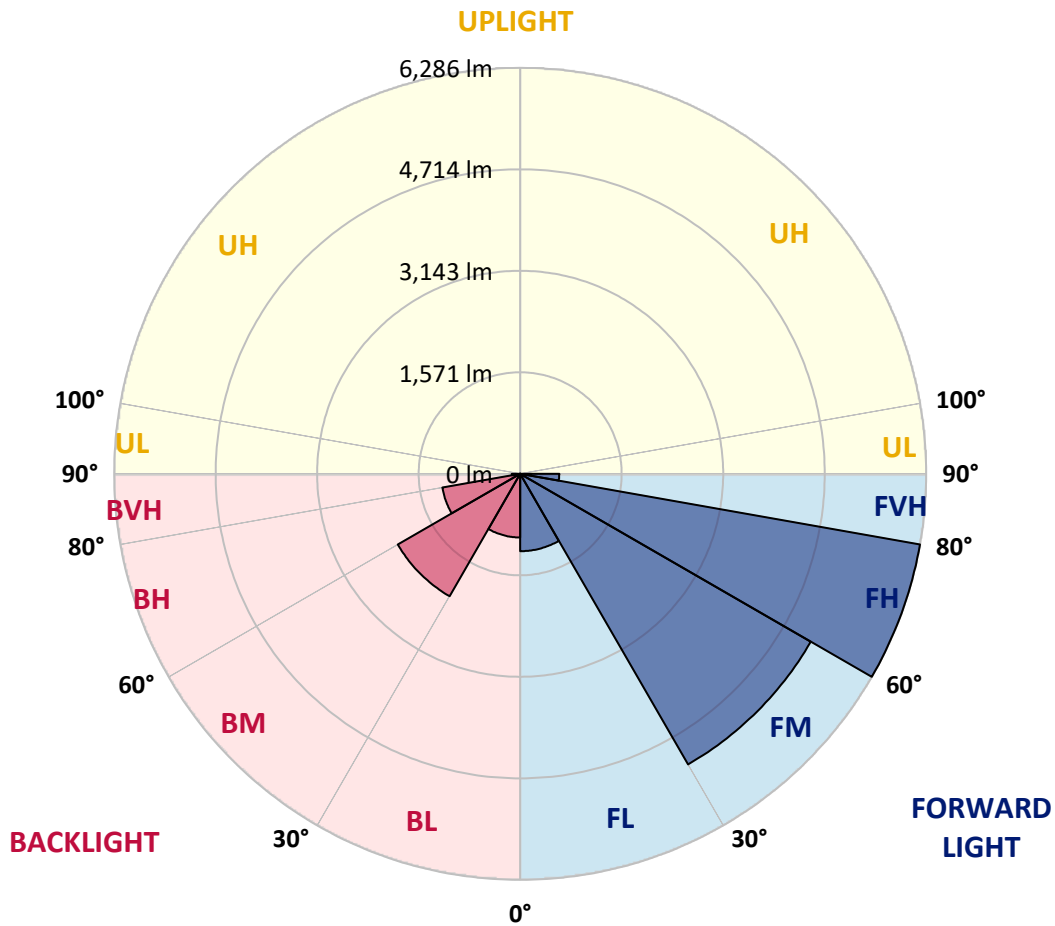
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1198.0	6.7			
FM (30°-60°)	5195.1	29.2			
FH (60°-80°)	6285.6	35.3			G3/7500
FVH (80°-90°)	605.7	3.4			G4/750
BL (0°-30°)	985.7	5.5	B2/1000		
BM (30°-60°)	2187.6	12.3	B2/2500		
BH (60°-80°)	1223.8	6.9	B3/2500		G3/2500
BVH (80°-90°)	129.6	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-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2.5°	2633.8	2643.8	2653.9	2668.0	2682.2	2690.7	2699.2	2703.4	2707.6	2705.7
5°	2832.1	2867.0	2902.0	2936.6	2971.2	2990.0	3008.8	3020.2	3031.7	3040.3
7.5°	3031.4	3088.1	3144.8	3195.9	3246.9	3277.6	3308.3	3325.0	3341.5	3349.5
10°	3184.1	3251.2	3318.3	3378.2	3438.0	3474.3	3510.4	3526.6	3542.6	3548.8
12.5°	3277.6	3350.4	3423.0	3477.1	3531.1	3557.4	3583.7	3592.5	3601.4	3602.3
15°	3334.5	3397.3	3459.9	3493.9	3527.9	3528.8	3529.8	3520.4	3511.0	3499.9
17.5°	3366.4	3408.8	3451.2	3451.9	3452.4	3414.4	3376.3	3341.4	3306.5	3281.8
20°	3401.7	3416.4	3431.3	3386.6	3342.0	3258.0	3174.0	3112.8	3051.6	3014.0
22.5°	3442.6	3423.2	3403.8	3311.4	3218.9	3095.3	2971.7	2895.2	2818.7	2777.2
25°	3495.2	3434.1	3373.0	3232.6	3092.2	2942.1	2792.0	2711.6	2631.3	2592.0
27.5°	3566.6	3457.4	3348.1	3162.1	2976.2	2809.9	2643.5	2564.4	2485.3	2448.2
30°	3662.9	3500.1	3337.3	3108.4	2879.4	2706.1	2532.8	2459.4	2386.0	2351.4
32.5°	3776.7	3553.6	3330.7	3071.7	2812.7	2649.8	2486.9	2429.3	2371.6	2346.7
35°	3914.8	3641.9	3369.1	3099.1	2829.3	2716.2	2603.1	2589.7	2576.2	2574.2
37.5°	4147.4	3826.4	3505.3	3260.0	3014.7	3007.4	3000.1	3061.6	3123.0	3155.0
40°	4498.9	4149.8	3800.6	3618.2	3435.8	3564.5	3693.3	3842.7	3992.2	4066.6
42.5°	4965.1	4618.6	4272.2	4167.2	4062.1	4342.9	4623.7	4895.5	5167.3	5326.9
45°	5540.7	5229.5	4918.3	4871.9	4825.5	5275.4	5725.4	6172.0	6618.7	6889.8
47.5°	6260.6	5957.9	5655.1	5645.7	5636.3	6285.3	6934.2	7588.0	8241.7	8625.7
50°	7204.2	6830.2	6456.4	6458.0	6459.6	7296.0	8132.4	8995.5	9858.5	10380.3
52.5°	8287.3	7834.5	7381.8	7336.0	7290.2	8289.3	9288.4	10356.2	11424.0	12049.4
55°	9440.5	8993.1	8545.8	8367.3	8188.8	9300.8	10412.7	11685.7	12958.7	13702.5
57.5°	10489.3	10245.7	10002.0	9644.0	9286.2	10409.0	11531.8	12973.6	14415.4	15337.8
60°	11123.2	11501.6	11880.1	11435.5	10991.0	12053.5	13116.1	14659.8	16203.6	17200.6
62.5°	10801.3	11835.2	12869.1	12819.0	12768.8	13742.2	14715.7	16184.4	17653.1	18574.6
65°	10157.1	11127.4	12097.8	12289.8	12481.7	13718.7	14955.8	16380.0	17804.1	18588.7
67.5°	9293.9	10216.8	11139.7	11229.7	11319.6	12608.5	13897.3	15327.6	16757.9	17372.5
70°	8256.8	9260.6	10264.5	10304.7	10345.0	11497.6	12650.1	13881.0	15111.8	15453.4
72.5°	7020.9	8172.8	9324.9	9353.8	9382.7	10284.4	11186.2	12108.1	13029.8	13064.4
75°	5457.5	6649.8	7842.0	7949.1	8056.1	8757.7	9459.3	10108.2	10757.2	10583.3
77.5°	3899.3	5012.2	6125.3	6278.5	6431.6	6965.0	7498.3	7958.6	8418.9	8120.0
80°	2552.1	3488.4	4424.7	4615.1	4805.5	5208.3	5610.9	5852.6	6094.3	5613.5
82.5°	1483.5	2123.6	2763.8	2976.5	3189.3	3466.5	3743.8	3844.6	3945.4	3567.5
85°	652.7	992.4	1332.2	1513.1	1694.0	1921.8	2149.6	2206.8	2264.0	1961.4
87.5°	202.1	316.2	430.4	531.4	632.3	746.2	860.1	865.0	869.8	730.2
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°
2449.2	0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2707.6	2.5°	2703.4	2699.2	2690.7	2682.2	2668.0	2653.9	2643.8	2633.8	2613.6	2593.4
3031.7	5°	3020.2	3008.8	2990.0	2971.2	2936.6	2902.0	2867.0	2832.1	2787.5	2742.9
3341.5	7.5°	3325.0	3308.3	3277.6	3246.9	3195.9	3144.8	3088.1	3031.4	2957.7	2884.1
3542.6	10°	3526.6	3510.4	3474.3	3438.0	3378.2	3318.3	3251.2	3184.1	3091.0	2997.8
3601.4	12.5°	3592.5	3583.7	3557.4	3531.1	3477.1	3423.0	3350.4	3277.6	3175.3	3073.0
3511.0	15°	3520.4	3529.8	3528.8	3527.9	3493.9	3459.9	3397.3	3334.5	3227.8	3121.1
3306.5	17.5°	3341.4	3376.3	3414.4	3452.4	3451.9	3451.2	3408.8	3366.4	3258.3	3150.1
3051.6	20°	3112.8	3174.0	3258.0	3342.0	3386.6	3431.3	3416.4	3401.7	3289.3	3176.8
2818.7	22.5°	2895.2	2971.7	3095.3	3218.9	3311.4	3403.8	3423.2	3442.6	3327.7	3212.8
2631.3	25°	2711.6	2792.0	2942.1	3092.2	3232.6	3373.0	3434.1	3495.2	3382.6	3270.1
2485.3	27.5°	2564.4	2643.5	2809.9	2976.2	3162.1	3348.1	3457.4	3566.6	3459.3	3351.9
2386.0	30°	2459.4	2532.8	2706.1	2879.4	3108.4	3337.3	3500.1	3662.9	3559.2	3455.5
2371.6	32.5°	2429.3	2486.9	2649.8	2812.7	3071.7	3330.7	3553.6	3776.7	3673.9	3571.3
2576.2	35°	2589.7	2603.1	2716.2	2829.3	3099.1	3369.1	3641.9	3914.8	3816.5	3718.1
3123.0	37.5°	3061.6	3000.1	3007.4	3014.7	3260.0	3505.3	3826.4	4147.4	4022.0	3896.7
3992.2	40°	3842.7	3693.3	3564.5	3435.8	3618.2	3800.6	4149.8	4498.9	4316.2	4133.5
5167.3	42.5°	4895.5	4623.7	4342.9	4062.1	4167.2	4272.2	4618.6	4965.1	4701.3	4437.6
6618.7	45°	6172.0	5725.4	5275.4	4825.5	4871.9	4918.3	5229.5	5540.7	5185.0	4829.3
8241.7	47.5°	7588.0	6934.2	6285.3	5636.3	5645.7	5655.1	5957.9	6260.6	5760.0	5259.2
9858.5	50°	8995.5	8132.4	7296.0	6459.6	6458.0	6456.4	6830.2	7204.2	6449.4	5694.5
11424.0	52.5°	10356.2	9288.4	8289.3	7290.2	7336.0	7381.8	7834.5	8287.3	7173.6	6059.9
12958.7	55°	11685.7	10412.7	9300.8	8188.8	8367.3	8545.8	8993.1	9440.5	7815.7	6191.1
14415.4	57.5°	12973.6	11531.8	10409.0	9286.2	9644.0	10002.0	10245.7	10489.3	8270.8	6052.2
16203.6	60°	14659.8	13116.1	12053.5	10991.0	11435.5	11880.1	11501.6	11123.2	8384.5	5645.7
17653.1	62.5°	16184.4	14715.7	13742.2	12768.8	12819.0	12869.1	11835.2	10801.3	7905.7	5010.0
17804.1	65°	16380.0	14955.8	13718.7	12481.7	12289.8	12097.8	11127.4	10157.1	7228.1	4299.2
16757.9	67.5°	15327.6	13897.3	12608.5	11319.6	11229.7	11139.7	10216.8	9293.9	6421.9	3549.9
15111.8	70°	13881.0	12650.1	11497.6	10345.0	10304.7	10264.5	9260.6	8256.8	5542.1	2827.4
13029.8	72.5°	12108.1	11186.2	10284.4	9382.7	9353.8	9324.9	8172.8	7020.9	4588.4	2155.9
10757.2	75°	10108.2	9459.3	8757.7	8056.1	7949.1	7842.0	6649.8	5457.5	3495.1	1532.7
8418.9	77.5°	7958.6	7498.3	6965.0	6431.6	6278.5	6125.3	5012.2	3899.3	2446.3	993.2
6094.3	80°	5852.6	5610.9	5208.3	4805.5	4615.1	4424.7	3488.4	2552.1	1576.1	600.1
3945.4	82.5°	3844.6	3743.8	3466.5	3189.3	2976.5	2763.8	2123.6	1483.5	912.2	341.0
2264.0	85°	2206.8	2149.6	1921.8	1694.0	1513.1	1332.2	992.4	652.7	410.3	168.0
869.8	87.5°	865.0	860.1	746.2	632.3	531.4	430.4	316.2	202.1	134.4	66.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2449.2	0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2571.9	2.5°	2550.5	2528.9	2507.2	2486.6	2465.9	2445.9	2423.6	2405.6	2387.6	2371.3
2698.3	5°	2653.9	2609.0	2564.3	2522.5	2480.6	2441.2	2402.2	2368.2	2334.0	2305.5
2816.1	7.5°	2748.0	2681.8	2615.5	2557.2	2498.8	2444.9	2394.5	2349.2	2304.0	2266.4
2907.9	10°	2818.0	2737.6	2657.1	2588.1	2518.9	2452.5	2398.2	2350.5	2302.7	2265.1
2971.1	12.5°	2869.3	2774.3	2679.4	2601.3	2523.2	2453.4	2402.9	2363.8	2324.9	2299.9
3010.6	15°	2900.1	2790.8	2681.5	2591.1	2500.7	2423.3	2382.9	2364.2	2345.6	2349.0
3029.5	17.5°	2908.9	2782.0	2655.2	2546.4	2437.7	2346.7	2321.8	2328.7	2335.4	2376.4
3044.3	20°	2911.7	2758.0	2604.2	2469.5	2334.7	2228.8	2222.2	2254.2	2286.1	2357.3
3064.2	22.5°	2915.5	2728.5	2541.5	2379.1	2216.8	2096.3	2109.1	2156.4	2203.7	2284.9
3100.3	25°	2930.4	2699.3	2468.4	2278.3	2088.3	1964.7	1999.5	2054.0	2108.5	2181.5
3156.7	27.5°	2961.4	2679.9	2398.4	2186.1	1973.8	1861.3	1903.6	1956.2	2008.9	2068.9
3229.7	30°	3003.8	2670.8	2337.5	2109.0	1880.6	1786.1	1819.3	1861.0	1902.9	1952.8
3305.9	32.5°	3040.5	2659.5	2278.3	2042.6	1806.8	1730.7	1745.4	1770.1	1794.9	1834.6
3392.7	35°	3067.4	2638.3	2209.3	1977.3	1745.2	1681.8	1675.7	1682.5	1689.3	1719.7
3490.0	37.5°	3083.4	2601.9	2120.4	1900.4	1680.4	1624.9	1602.6	1595.1	1587.5	1609.3
3613.5	40°	3093.4	2551.8	2010.3	1808.7	1607.1	1556.8	1522.5	1505.5	1488.5	1504.2
3775.1	42.5°	3112.5	2500.1	1887.9	1707.5	1527.0	1480.7	1437.5	1414.9	1392.3	1405.1
3987.6	45°	3146.0	2452.1	1758.2	1599.9	1441.7	1394.7	1352.9	1330.9	1309.0	1319.7
4214.1	47.5°	3169.1	2412.4	1655.8	1514.9	1374.0	1313.4	1277.4	1259.0	1240.6	1250.7
4424.3	50°	3154.0	2369.2	1584.3	1458.4	1332.5	1252.8	1211.0	1194.6	1178.3	1194.1
4560.7	52.5°	3061.5	2296.2	1531.0	1421.2	1311.5	1219.9	1161.4	1145.3	1129.2	1153.0
4530.7	55°	2870.2	2175.1	1480.0	1394.2	1308.4	1223.2	1135.1	1109.5	1084.1	1117.8
4319.0	57.5°	2585.9	2004.4	1422.9	1362.3	1301.6	1226.5	1119.3	1082.1	1044.9	1081.2
3925.2	60°	2204.6	1782.8	1361.0	1313.4	1265.7	1216.1	1104.5	1056.3	1008.0	1039.8
3392.6	62.5°	1775.1	1517.6	1260.1	1228.4	1196.9	1190.7	1087.2	1026.8	966.6	986.8
2849.2	65°	1399.2	1279.0	1158.8	1143.9	1128.9	1129.7	1050.7	986.6	922.4	930.2
2316.8	67.5°	1083.8	1049.7	1015.5	1023.8	1032.1	1030.0	985.7	932.3	878.9	876.5
1824.2	70°	820.9	830.7	840.4	879.1	917.7	917.7	903.2	865.2	827.2	818.8
1394.6	72.5°	633.2	662.7	692.2	747.1	801.9	811.1	811.3	785.2	759.2	746.8
1012.2	75°	491.7	518.4	545.1	606.6	668.0	710.5	706.9	686.9	666.8	655.0
685.9	77.5°	378.6	396.7	414.9	474.6	534.3	604.3	602.4	586.4	570.3	558.3
441.9	80°	283.8	291.3	298.9	349.4	399.9	483.5	483.3	469.8	456.3	446.2
271.8	82.5°	202.8	204.1	205.6	242.8	280.1	351.5	355.4	348.9	342.3	335.1
145.3	85°	122.6	122.0	121.2	148.5	175.7	228.8	234.0	227.0	219.9	211.9
60.2	87.5°	53.8	53.1	52.4	63.5	74.7	96.8	103.4	100.6	97.7	96.2
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2449.2	0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2355.2	2.5°	2341.0	2326.8	2312.5	2298.3	2287.3	2276.2	2267.3	2258.4	2251.4	2244.5
2277.0	5°	2251.8	2226.6	2203.8	2180.8	2163.3	2145.6	2133.3	2121.0	2112.2	2103.5
2228.8	7.5°	2197.1	2165.3	2137.3	2109.4	2088.5	2067.6	2052.9	2038.3	2028.2	2018.3
2227.6	10°	2193.4	2159.2	2127.7	2096.3	2071.3	2046.2	2029.8	2013.3	2003.8	1994.3
2275.1	12.5°	2248.2	2221.5	2188.9	2156.4	2124.5	2092.5	2071.4	2050.2	2039.6	2029.1
2352.4	15°	2345.4	2338.5	2310.2	2281.9	2236.4	2190.9	2158.8	2126.6	2111.9	2097.2
2417.4	17.5°	2439.2	2460.9	2438.1	2415.3	2355.1	2294.8	2247.5	2200.1	2178.3	2156.4
2428.5	20°	2474.1	2519.7	2509.1	2498.5	2429.6	2360.8	2302.7	2244.8	2216.8	2188.8
2366.3	22.5°	2425.6	2484.9	2491.3	2497.6	2431.8	2366.0	2306.2	2246.4	2216.9	2187.4
2254.6	25°	2313.0	2371.3	2393.2	2414.9	2360.9	2307.1	2253.9	2200.9	2175.3	2149.8
2128.9	27.5°	2175.7	2222.5	2246.7	2271.1	2232.6	2194.3	2153.0	2111.8	2094.7	2077.5
2002.6	30°	2041.4	2080.3	2100.0	2119.8	2090.5	2061.2	2031.7	2002.0	1993.3	1984.4
1874.5	32.5°	1911.7	1949.0	1970.9	1992.9	1966.0	1939.0	1915.4	1891.9	1886.1	1880.4
1749.9	35°	1786.8	1823.7	1850.0	1876.3	1857.2	1838.1	1816.3	1794.6	1785.8	1777.2
1631.1	37.5°	1667.8	1704.6	1737.2	1769.7	1760.8	1752.0	1732.0	1711.9	1696.0	1680.2
1519.9	40°	1555.4	1590.9	1628.3	1665.8	1668.0	1670.1	1653.0	1636.0	1612.9	1590.0
1418.0	42.5°	1451.6	1485.4	1525.8	1566.2	1577.0	1587.8	1573.4	1559.2	1530.5	1501.8
1330.6	45°	1362.5	1394.5	1436.4	1478.3	1493.8	1509.3	1496.4	1483.5	1450.7	1418.0
1260.8	47.5°	1292.1	1323.3	1364.6	1406.0	1423.8	1441.7	1432.7	1423.6	1394.5	1365.4
1210.0	50°	1239.5	1268.9	1306.0	1343.0	1365.9	1388.9	1388.3	1387.9	1364.6	1341.3
1176.7	52.5°	1203.7	1230.7	1265.2	1299.8	1326.9	1354.1	1359.0	1363.9	1344.9	1325.9
1151.5	55°	1180.6	1209.7	1240.0	1270.2	1298.9	1327.8	1334.5	1341.3	1324.8	1308.2
1117.4	57.5°	1151.7	1185.9	1215.7	1245.7	1274.8	1303.7	1310.6	1317.4	1300.7	1284.0
1071.6	60°	1110.9	1150.1	1180.5	1211.0	1240.1	1269.2	1276.7	1284.3	1267.9	1251.6
1007.0	62.5°	1052.8	1098.6	1131.1	1163.5	1190.2	1216.9	1224.1	1231.3	1216.6	1201.8
937.9	65°	987.0	1036.1	1067.2	1098.2	1121.7	1145.2	1152.6	1159.9	1145.7	1131.5
874.0	67.5°	919.3	964.7	994.1	1023.5	1043.8	1064.1	1071.3	1078.4	1065.4	1052.4
810.3	70°	850.2	890.0	915.4	940.8	959.1	977.4	984.4	991.3	980.7	970.1
734.5	72.5°	765.9	797.2	820.1	843.0	861.0	878.9	887.2	895.5	886.6	877.8
643.0	75°	666.3	689.6	710.4	731.2	747.5	763.9	772.5	781.2	776.9	772.5
546.2	77.5°	565.2	584.1	602.0	619.8	637.0	654.1	662.2	670.3	664.3	658.1
436.1	80°	451.9	467.6	482.6	497.6	510.7	523.7	534.4	545.1	542.5	539.9
328.0	82.5°	326.7	325.4	320.1	314.8	342.7	370.5	388.7	406.9	405.8	404.6
203.9	85°	197.2	190.3	175.7	161.2	187.2	213.3	235.9	258.4	256.6	254.7
94.7	87.5°	94.5	94.2	83.1	71.9	82.8	93.8	102.9	112.0	109.8	107.3
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°
2449.2	0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2238.1	2.5°	2231.6	2223.6	2231.6	2238.1	2244.5	2251.4	2258.4	2267.3	2276.2	2287.3
2096.8	5°	2090.2	2083.6	2090.2	2096.8	2103.5	2112.2	2121.0	2133.3	2145.6	2163.3
2012.2	7.5°	2006.3	2001.8	2006.3	2012.2	2018.3	2028.2	2038.3	2052.9	2067.6	2088.5
1989.2	10°	1984.1	1982.1	1984.1	1989.2	1994.3	2003.8	2013.3	2029.8	2046.2	2071.3
2024.7	12.5°	2020.4	2019.7	2020.4	2024.7	2029.1	2039.6	2050.2	2071.4	2092.5	2124.5
2091.6	15°	2085.9	2085.5	2085.9	2091.6	2097.2	2111.9	2126.6	2158.8	2190.9	2236.4
2149.3	17.5°	2142.0	2140.9	2142.0	2149.3	2156.4	2178.3	2200.1	2247.5	2294.8	2355.1
2179.9	20°	2171.0	2168.2	2171.0	2179.9	2188.8	2216.8	2244.8	2302.7	2360.8	2429.6
2177.6	22.5°	2167.7	2163.5	2167.7	2177.6	2187.4	2216.9	2246.4	2306.2	2366.0	2431.8
2140.5	25°	2131.3	2125.9	2131.3	2140.5	2149.8	2175.3	2200.9	2253.9	2307.1	2360.9
2073.2	27.5°	2069.0	2067.6	2069.0	2073.2	2077.5	2094.7	2111.8	2153.0	2194.3	2232.6
1984.4	30°	1984.4	1985.8	1984.4	1984.4	1984.4	1993.3	2002.0	2031.7	2061.2	2090.5
1881.1	32.5°	1882.0	1883.4	1882.0	1881.1	1880.4	1886.1	1891.9	1915.4	1939.0	1966.0
1775.3	35°	1773.4	1772.5	1773.4	1775.3	1777.2	1785.8	1794.6	1816.3	1838.1	1857.2
1671.8	37.5°	1663.5	1658.8	1663.5	1671.8	1680.2	1696.0	1711.9	1732.0	1752.0	1760.8
1574.4	40°	1559.0	1549.8	1559.0	1574.4	1590.0	1612.9	1636.0	1653.0	1670.1	1668.0
1479.2	42.5°	1456.5	1441.7	1456.5	1479.2	1501.8	1530.5	1559.2	1573.4	1587.8	1577.0
1391.4	45°	1364.8	1347.7	1364.8	1391.4	1418.0	1450.7	1483.5	1496.4	1509.3	1493.8
1340.7	47.5°	1316.2	1299.8	1316.2	1340.7	1365.4	1394.5	1423.6	1432.7	1441.7	1423.8
1318.6	50°	1295.8	1280.0	1295.8	1318.6	1341.3	1364.6	1387.9	1388.3	1388.9	1365.9
1305.5	52.5°	1285.2	1270.6	1285.2	1305.5	1325.9	1344.9	1363.9	1359.0	1354.1	1326.9
1290.4	55°	1272.5	1259.4	1272.5	1290.4	1308.2	1324.8	1341.3	1334.5	1327.8	1298.9
1266.3	57.5°	1248.5	1234.9	1248.5	1266.3	1284.0	1300.7	1317.4	1310.6	1303.7	1274.8
1233.4	60°	1215.2	1201.1	1215.2	1233.4	1251.6	1267.9	1284.3	1276.7	1269.2	1240.1
1182.7	62.5°	1163.5	1146.6	1163.5	1182.7	1201.8	1216.6	1231.3	1224.1	1216.9	1190.2
1112.9	65°	1094.4	1079.9	1094.4	1112.9	1131.5	1145.7	1159.9	1152.6	1145.2	1121.7
1035.1	67.5°	1017.8	1004.7	1017.8	1035.1	1052.4	1065.4	1078.4	1071.3	1064.1	1043.8
953.5	70°	937.0	922.0	937.0	953.5	970.1	980.7	991.3	984.4	977.4	959.1
862.0	72.5°	846.3	831.7	846.3	862.0	877.8	886.6	895.5	887.2	878.9	861.0
759.3	75°	746.0	732.1	746.0	759.3	772.5	776.9	781.2	772.5	763.9	747.5
644.7	77.5°	631.4	620.3	631.4	644.7	658.1	664.3	670.3	662.2	654.1	637.0
522.0	80°	503.9	483.1	503.9	522.0	539.9	542.5	545.1	534.4	523.7	510.7
389.5	82.5°	374.2	360.9	374.2	389.5	404.6	405.8	406.9	388.7	370.5	342.7
242.8	85°	231.0	219.0	231.0	242.8	254.7	256.6	258.4	235.9	213.3	187.2
101.3	87.5°	95.1	89.3	95.1	101.3	107.3	109.8	112.0	102.9	93.8	82.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2449.2	0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2298.3	2.5°	2312.5	2326.8	2341.0	2355.2	2371.3	2387.6	2405.6	2423.6	2445.9	2465.9
2180.8	5°	2203.8	2226.6	2251.8	2277.0	2305.5	2334.0	2368.2	2402.2	2441.2	2480.6
2109.4	7.5°	2137.3	2165.3	2197.1	2228.8	2266.4	2304.0	2349.2	2394.5	2444.9	2498.8
2096.3	10°	2127.7	2159.2	2193.4	2227.6	2265.1	2302.7	2350.5	2398.2	2452.5	2518.9
2156.4	12.5°	2188.9	2221.5	2248.2	2275.1	2299.9	2324.9	2363.8	2402.9	2453.4	2523.2
2281.9	15°	2310.2	2338.5	2345.4	2352.4	2349.0	2345.6	2364.2	2382.9	2423.3	2500.7
2415.3	17.5°	2438.1	2460.9	2439.2	2417.4	2376.4	2335.4	2328.7	2321.8	2346.7	2437.7
2498.5	20°	2509.1	2519.7	2474.1	2428.5	2357.3	2286.1	2254.2	2222.2	2228.8	2334.7
2497.6	22.5°	2491.3	2484.9	2425.6	2366.3	2284.9	2203.7	2156.4	2109.1	2096.3	2216.8
2414.9	25°	2393.2	2371.3	2313.0	2254.6	2181.5	2108.5	2054.0	1999.5	1964.7	2088.3
2271.1	27.5°	2246.7	2222.5	2175.7	2128.9	2068.9	2008.9	1956.2	1903.6	1861.3	1973.8
2119.8	30°	2100.0	2080.3	2041.4	2002.6	1952.8	1902.9	1861.0	1819.3	1786.1	1880.6
1992.9	32.5°	1970.9	1949.0	1911.7	1874.5	1834.6	1794.9	1770.1	1745.4	1730.7	1806.8
1876.3	35°	1850.0	1823.7	1786.8	1749.9	1719.7	1689.3	1682.5	1675.7	1681.8	1745.2
1769.7	37.5°	1737.2	1704.6	1667.8	1631.1	1609.3	1587.5	1595.1	1602.6	1624.9	1680.4
1665.8	40°	1628.3	1590.9	1555.4	1519.9	1504.2	1488.5	1505.5	1522.5	1556.8	1607.1
1566.2	42.5°	1525.8	1485.4	1451.6	1418.0	1405.1	1392.3	1414.9	1437.5	1480.7	1527.0
1478.3	45°	1436.4	1394.5	1362.5	1330.6	1319.7	1309.0	1330.9	1352.9	1394.7	1441.7
1406.0	47.5°	1364.6	1323.3	1292.1	1260.8	1250.7	1240.6	1259.0	1277.4	1313.4	1374.0
1343.0	50°	1306.0	1268.9	1239.5	1210.0	1194.1	1178.3	1194.6	1211.0	1252.8	1332.5
1299.8	52.5°	1265.2	1230.7	1203.7	1176.7	1153.0	1129.2	1145.3	1161.4	1219.9	1311.5
1270.2	55°	1240.0	1209.7	1180.6	1151.5	1117.8	1084.1	1109.5	1135.1	1223.2	1308.4
1245.7	57.5°	1215.7	1185.9	1151.7	1117.4	1081.2	1044.9	1082.1	1119.3	1226.5	1301.6
1211.0	60°	1180.5	1150.1	1110.9	1071.6	1039.8	1008.0	1056.3	1104.5	1216.1	1265.7
1163.5	62.5°	1131.1	1098.6	1052.8	1007.0	986.8	966.6	1026.8	1087.2	1190.7	1196.9
1098.2	65°	1067.2	1036.1	987.0	937.9	930.2	922.4	986.6	1050.7	1129.7	1128.9
1023.5	67.5°	994.1	964.7	919.3	874.0	876.5	878.9	932.3	985.7	1030.0	1032.1
940.8	70°	915.4	890.0	850.2	810.3	818.8	827.2	865.2	903.2	917.7	917.7
843.0	72.5°	820.1	797.2	765.9	734.5	746.8	759.2	785.2	811.3	811.1	801.9
731.2	75°	710.4	689.6	666.3	643.0	655.0	666.8	686.9	706.9	710.5	668.0
619.8	77.5°	602.0	584.1	565.2	546.2	558.3	570.3	586.4	602.4	604.3	534.3
497.6	80°	482.6	467.6	451.9	436.1	446.2	456.3	469.8	483.3	483.5	399.9
314.8	82.5°	320.1	325.4	326.7	328.0	335.1	342.3	348.9	355.4	351.5	280.1
161.2	85°	175.7	190.3	197.2	203.9	211.9	219.9	227.0	234.0	228.8	175.7
71.9	87.5°	83.1	94.2	94.5	94.7	96.2	97.7	100.6	103.4	96.8	74.7
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):

325°		330°	335°	340°	345°	350°	355°	360°
2449.2	0°	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2	2449.2
2486.6	2.5°	2507.2	2528.9	2550.5	2571.9	2593.4	2613.6	2633.8
2522.5	5°	2564.3	2609.0	2653.9	2698.3	2742.9	2787.5	2832.1
2557.2	7.5°	2615.5	2681.8	2748.0	2816.1	2884.1	2957.7	3031.4
2588.1	10°	2657.1	2737.6	2818.0	2907.9	2997.8	3091.0	3184.1
2601.3	12.5°	2679.4	2774.3	2869.3	2971.1	3073.0	3175.3	3277.6
2591.1	15°	2681.5	2790.8	2900.1	3010.6	3121.1	3227.8	3334.5
2546.4	17.5°	2655.2	2782.0	2908.9	3029.5	3150.1	3258.3	3366.4
2469.5	20°	2604.2	2758.0	2911.7	3044.3	3176.8	3289.3	3401.7
2379.1	22.5°	2541.5	2728.5	2915.5	3064.2	3212.8	3327.7	3442.6
2278.3	25°	2468.4	2699.3	2930.4	3100.3	3270.1	3382.6	3495.2
2186.1	27.5°	2398.4	2679.9	2961.4	3156.7	3351.9	3459.3	3566.6
2109.0	30°	2337.5	2670.8	3003.8	3229.7	3455.5	3559.2	3662.9
2042.6	32.5°	2278.3	2659.5	3040.5	3305.9	3571.3	3673.9	3776.7
1977.3	35°	2209.3	2638.3	3067.4	3392.7	3718.1	3816.5	3914.8
1900.4	37.5°	2120.4	2601.9	3083.4	3490.0	3896.7	4022.0	4147.4
1808.7	40°	2010.3	2551.8	3093.4	3613.5	4133.5	4316.2	4498.9
1707.5	42.5°	1887.9	2500.1	3112.5	3775.1	4437.6	4701.3	4965.1
1599.9	45°	1758.2	2452.1	3146.0	3987.6	4829.3	5185.0	5540.7
1514.9	47.5°	1655.8	2412.4	3169.1	4214.1	5259.2	5760.0	6260.6
1458.4	50°	1584.3	2369.2	3154.0	4424.3	5694.5	6449.4	7204.2
1421.2	52.5°	1531.0	2296.2	3061.5	4560.7	6059.9	7173.6	8287.3
1394.2	55°	1480.0	2175.1	2870.2	4530.7	6191.1	7815.7	9440.5
1362.3	57.5°	1422.9	2004.4	2585.9	4319.0	6052.2	8270.8	10489.3
1313.4	60°	1361.0	1782.8	2204.6	3925.2	5645.7	8384.5	11123.2
1228.4	62.5°	1260.1	1517.6	1775.1	3392.6	5010.0	7905.7	10801.3
1143.9	65°	1158.8	1279.0	1399.2	2849.2	4299.2	7228.1	10157.1
1023.8	67.5°	1015.5	1049.7	1083.8	2316.8	3549.9	6421.9	9293.9
879.1	70°	840.4	830.7	820.9	1824.2	2827.4	5542.1	8256.8
747.1	72.5°	692.2	662.7	633.2	1394.6	2155.9	4588.4	7020.9
606.6	75°	545.1	518.4	491.7	1012.2	1532.7	3495.1	5457.5
474.6	77.5°	414.9	396.7	378.6	685.9	993.2	2446.3	3899.3
349.4	80°	298.9	291.3	283.8	441.9	600.1	1576.1	2552.1
242.8	82.5°	205.6	204.1	202.8	271.8	341.0	912.2	1483.5
148.5	85°	121.2	122.0	122.6	145.3	168.0	410.3	652.7
63.5	87.5°	52.4	53.1	53.8	60.2	66.7	134.4	202.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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