

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: STREETWORKS

Report Number: P970391

Luminaire Tested: **NVN-SB6B-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P970391
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: STREETWORKS
Catalog Number: NVN-SB6B-740-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36896.9 lumens
Efficiency: N/A
Efficacy: 167.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

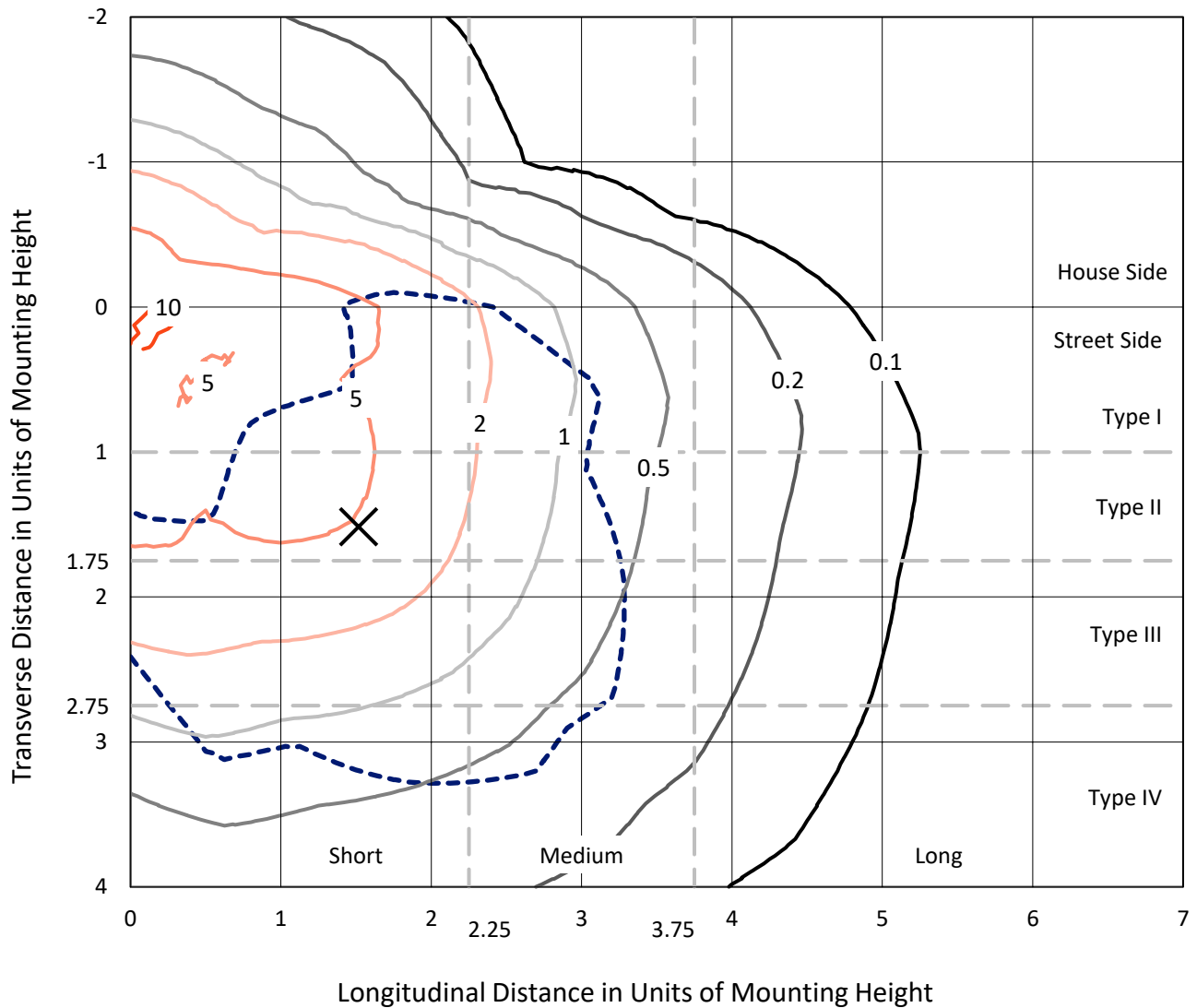
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

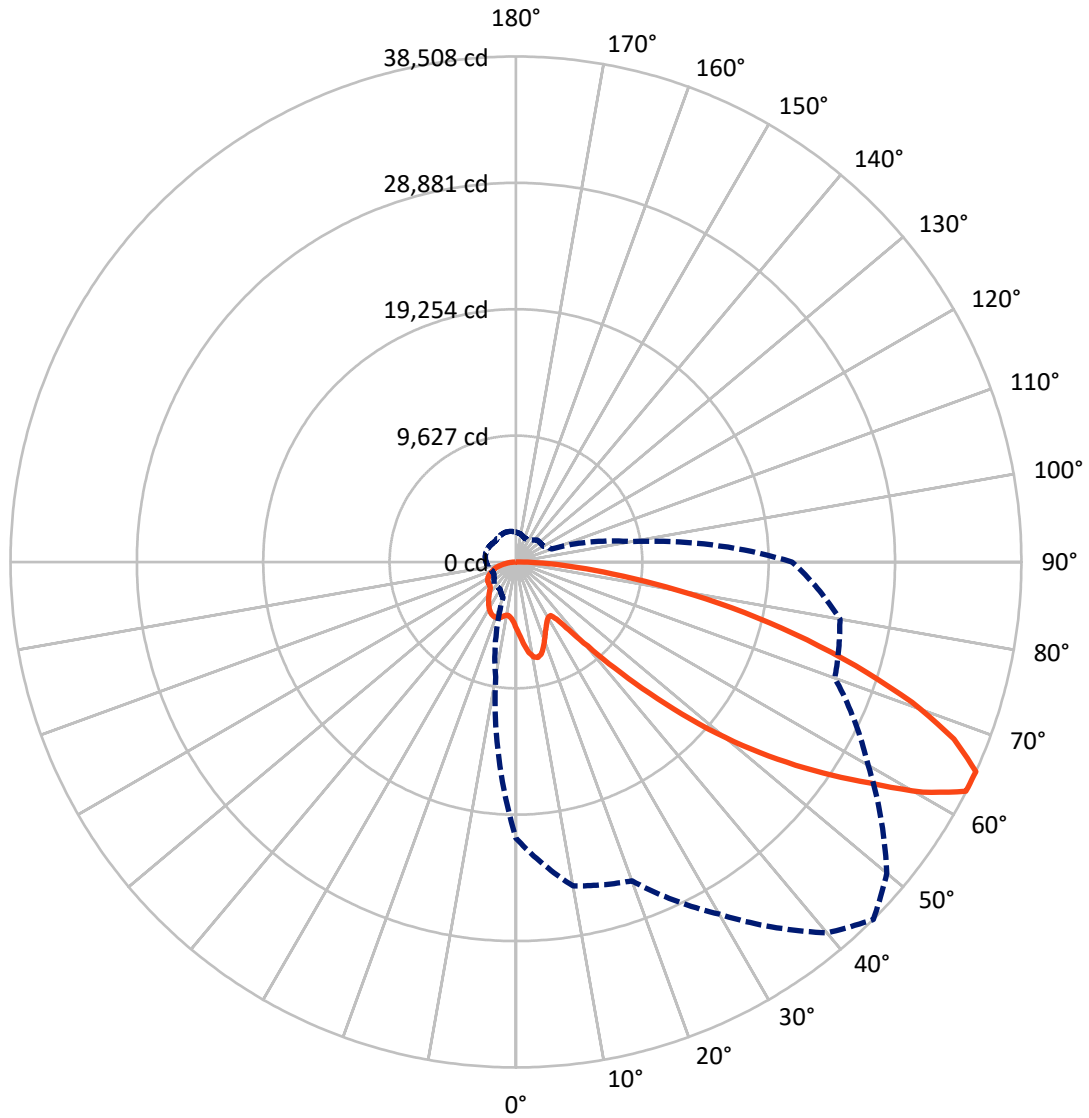
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 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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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9377.3	0.0	9377.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	27519.6	0.0	27519.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	36896.9	0.0	36896.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.3	1.4
10°-20°	1580.0	4.3
20°-30°	2440.5	6.6
30°-40°	3092.7	8.4
40°-50°	4664.6	12.6
50°-60°	7536.4	20.4
60°-70°	9395.3	25.5
70°-80°	6161.0	16.7
80°-90°	1523.1	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°	36896.9	100.0
0°-180°	36896.9	100.0



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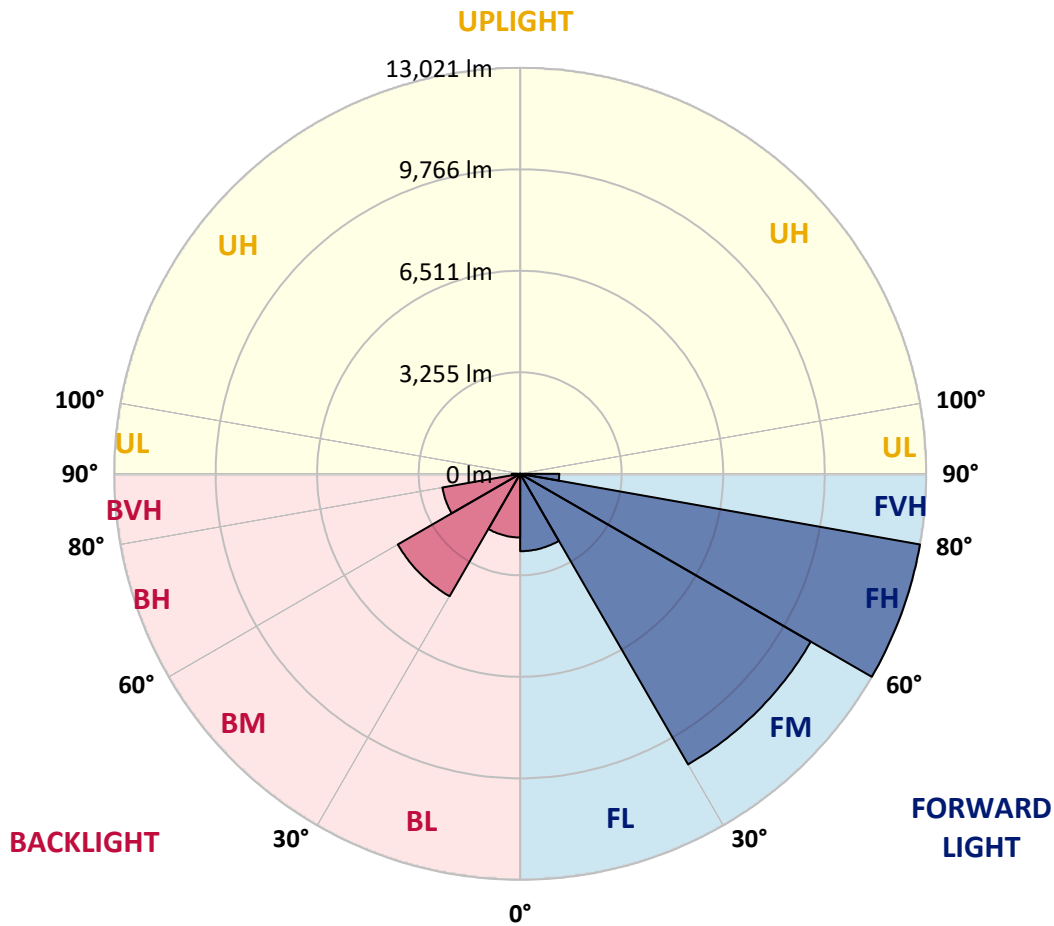
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2481.7	6.7			
FM (30°-60°)	10762.0	29.2			
FH (60°-80°)	13021.1	35.3			G5
FVH (80°-90°)	1254.7	3.4			G5
BL (0°-30°)	2042.0	5.5	B3/2500		
BM (30°-60°)	4531.7	12.3	B3/5000		
BH (60°-80°)	2535.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	268.4	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	5456.2	5476.9	5497.7	5527.1	5556.5	5574.0	5591.5	5600.3	5609.0	5605.1	5609.0
5°	5867.0	5939.3	6011.6	6083.3	6155.1	6194.1	6233.0	6256.6	6280.4	6298.2	6280.4
7.5°	6279.8	6397.3	6514.8	6620.5	6726.2	6789.8	6853.6	6888.0	6922.2	6938.7	6922.2
10°	6596.1	6735.2	6874.2	6998.2	7122.2	7197.3	7272.1	7305.6	7338.9	7351.5	7338.9
12.5°	6789.8	6940.6	7091.1	7203.2	7314.9	7369.4	7424.0	7442.2	7460.6	7462.5	7460.6
15°	6907.7	7037.6	7167.5	7237.8	7308.4	7310.3	7312.2	7292.8	7273.3	7250.3	7273.3
17.5°	6973.8	7061.6	7149.5	7150.8	7151.9	7073.1	6994.3	6922.0	6849.7	6798.6	6849.7
20°	7046.9	7077.4	7108.2	7015.7	6923.2	6749.1	6575.1	6448.4	6321.6	6243.8	6321.6
22.5°	7131.5	7091.5	7051.3	6859.7	6668.1	6412.2	6156.2	5997.7	5839.2	5753.1	5839.2
25°	7240.6	7114.0	6987.4	6696.6	6405.7	6094.8	5783.9	5617.2	5451.0	5369.6	5451.0
27.5°	7388.5	7162.3	6935.9	6550.6	6165.5	5820.9	5476.3	5312.4	5148.6	5071.7	5148.6
30°	7588.1	7250.6	6913.5	6439.3	5965.0	5605.9	5246.9	5094.9	4942.9	4871.2	4942.9
32.5°	7823.6	7361.7	6899.9	6363.3	5826.7	5489.3	5152.0	5032.5	4913.0	4861.5	4913.0
35°	8109.8	7544.5	6979.3	6420.1	5861.2	5626.7	5392.5	5364.7	5336.9	5332.6	5336.9
37.5°	8591.8	7926.6	7261.6	6753.4	6245.3	6230.2	6214.9	6342.3	6469.6	6535.8	6469.6
40°	9319.8	8596.6	7873.3	7495.4	7117.5	7384.2	7651.0	7960.6	8270.1	8424.3	8270.1
42.5°	10285.6	9567.9	8850.3	8632.6	8414.9	8996.6	9578.4	10141.5	10704.5	11035.0	10704.5
45°	11478.1	10833.4	10188.6	10092.6	9996.4	10928.3	11860.6	12785.7	13711.1	14272.8	13711.1
47.5°	12969.3	12342.2	11714.9	11695.5	11676.0	13020.6	14364.7	15719.2	17073.4	17868.7	17073.4
50°	14924.0	14149.3	13374.9	13378.2	13381.5	15114.2	16847.0	18634.8	20422.7	21503.6	20422.7
52.5°	17167.8	16229.8	15292.0	15197.2	15102.1	17171.9	19241.7	21453.8	23665.6	24961.3	23665.6
55°	19556.7	18630.0	17703.3	17333.6	16963.9	19267.4	21570.8	24207.8	26845.0	28385.9	26845.0
57.5°	21729.5	21224.8	20720.0	19978.4	19237.0	21563.0	23889.0	26875.9	29862.7	31773.6	29862.7
60°	23042.6	23826.4	24610.5	23689.6	22768.7	24969.9	27171.1	30369.0	33567.0	35632.3	33567.0
62.5°	22375.9	24517.6	26659.4	26555.6	26451.7	28468.0	30484.7	33527.3	36569.7	38478.7	36569.7
65°	21041.2	23051.4	25061.6	25459.4	25856.9	28419.5	30982.2	33932.5	36882.7	38507.9	36882.7
67.5°	19253.0	21164.8	23076.7	23263.2	23449.5	26119.6	28789.4	31752.3	34715.3	35988.6	34715.3
70°	17104.6	19184.1	21263.7	21347.1	21430.6	23818.3	26205.8	28755.7	31305.3	32013.0	31305.3
72.5°	14544.3	16930.7	19317.3	19377.2	19437.0	21305.0	23173.1	25082.8	26992.4	27064.0	26992.4
75°	11305.7	13775.6	16245.4	16467.1	16688.9	18142.3	19595.6	20939.9	22284.3	21924.1	22284.3
77.5°	8077.7	10383.2	12689.0	13006.3	13323.7	14428.5	15533.5	16486.8	17440.4	16821.3	17440.4
80°	5286.8	7226.6	9166.1	9560.5	9954.9	10789.4	11623.4	12124.2	12624.7	11628.9	12624.7
82.5°	3073.2	4399.2	5725.4	6166.1	6606.8	7181.2	7755.6	7964.5	8173.1	7390.5	8173.1
85°	1352.1	2055.9	2759.7	3134.6	3509.3	3981.2	4453.0	4571.5	4690.1	4063.2	4690.1
87.5°	418.6	655.2	891.6	1100.7	1309.8	1545.8	1781.9	1791.9	1801.8	1512.8	1801.8
90°	0.0	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	5600.3	5591.5	5574.0	5556.5	5527.1	5497.7	5476.9	5456.2	5414.4	5372.5	5328.0
5°	6256.6	6233.0	6194.1	6155.1	6083.3	6011.6	5939.3	5867.0	5774.5	5682.1	5589.7
7.5°	6888.0	6853.6	6789.8	6726.2	6620.5	6514.8	6397.3	6279.8	6127.1	5974.7	5833.7
10°	7305.6	7272.1	7197.3	7122.2	6998.2	6874.2	6735.2	6596.1	6403.2	6210.3	6023.9
12.5°	7442.2	7424.0	7369.4	7314.9	7203.2	7091.1	6940.6	6789.8	6577.8	6366.0	6154.9
15°	7292.8	7312.2	7310.3	7308.4	7237.8	7167.5	7037.6	6907.7	6686.7	6465.7	6236.7
17.5°	6922.0	6994.3	7073.1	7151.9	7150.8	7149.5	7061.6	6973.8	6749.7	6525.7	6275.9
20°	6448.4	6575.1	6749.1	6923.2	7015.7	7108.2	7077.4	7046.9	6814.0	6580.9	6306.4
22.5°	5997.7	6156.2	6412.2	6668.1	6859.7	7051.3	7091.5	7131.5	6893.6	6655.5	6347.7
25°	5617.2	5783.9	6094.8	6405.7	6696.6	6987.4	7114.0	7240.6	7007.3	6774.2	6422.4
27.5°	5312.4	5476.3	5820.9	6165.5	6550.6	6935.9	7162.3	7388.5	7166.2	6943.7	6539.3
30°	5094.9	5246.9	5605.9	5965.0	6439.3	6913.5	7250.6	7588.1	7373.1	7158.4	6690.6
32.5°	5032.5	5152.0	5489.3	5826.7	6363.3	6899.9	7361.7	7823.6	7610.8	7398.2	6848.4
35°	5364.7	5392.5	5626.7	5861.2	6420.1	6979.3	7544.5	8109.8	7906.2	7702.4	7028.3
37.5°	6342.3	6214.9	6230.2	6245.3	6753.4	7261.6	7926.6	8591.8	8332.0	8072.3	7229.8
40°	7960.6	7651.0	7384.2	7117.5	7495.4	7873.3	8596.6	9319.8	8941.4	8562.8	7485.7
42.5°	10141.5	9578.4	8996.6	8414.9	8632.6	8850.3	9567.9	10285.6	9739.2	9192.9	7820.3
45°	12785.7	11860.6	10928.3	9996.4	10092.6	10188.6	10833.4	11478.1	10741.1	10004.2	8260.8
47.5°	15719.2	14364.7	13020.6	11676.0	11695.5	11714.9	12342.2	12969.3	11932.2	10894.9	8729.9
50°	18634.8	16847.0	15114.2	13381.5	13378.2	13374.9	14149.3	14924.0	13360.5	11796.7	9165.2
52.5°	21453.8	19241.7	17171.9	15102.1	15197.2	15292.0	16229.8	17167.8	14860.8	12553.7	9447.9
55°	24207.8	21570.8	19267.4	16963.9	17333.6	17703.3	18630.0	19556.7	16190.9	12825.3	9385.6
57.5°	26875.9	23889.0	21563.0	19237.0	19978.4	20720.0	21224.8	21729.5	17133.6	12537.7	8947.2
60°	30369.0	27171.1	24969.9	22768.7	23689.6	24610.5	23826.4	23042.6	17369.1	11695.5	8131.2
62.5°	33527.3	30484.7	28468.0	26451.7	26555.6	26659.4	24517.6	22375.9	16377.2	10378.5	7027.9
65°	33932.5	30982.2	28419.5	25856.9	25459.4	25061.6	23051.4	21041.2	14973.7	8906.1	5902.3
67.5°	31752.3	28789.4	26119.6	23449.5	23263.2	23076.7	21164.8	19253.0	13303.5	7353.9	4799.6
70°	28755.7	26205.8	23818.3	21430.6	21347.1	21263.7	19184.1	17104.6	11480.9	5857.3	3779.0
72.5°	25082.8	23173.1	21305.0	19437.0	19377.2	19317.3	16930.7	14544.3	9505.2	4466.2	2889.1
75°	20939.9	19595.6	18142.3	16688.9	16467.1	16245.4	13775.6	11305.7	7240.4	3175.0	2096.8
77.5°	16486.8	15533.5	14428.5	13323.7	13006.3	12689.0	10383.2	8077.7	5067.6	2057.5	1420.9
80°	12124.2	11623.4	10789.4	9954.9	9560.5	9166.1	7226.6	5286.8	3264.9	1243.1	915.4
82.5°	7964.5	7755.6	7181.2	6606.8	6166.1	5725.4	4399.2	3073.2	1889.7	706.3	563.0
85°	4571.5	4453.0	3981.2	3509.3	3134.6	2759.7	2055.9	1352.1	850.0	348.1	301.0
87.5°	1791.9	1781.9	1545.8	1309.8	1100.7	891.6	655.2	418.6	278.4	138.3	124.8
90°	0.0	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	5283.6	5238.8	5194.0	5151.1	5108.3	5066.8	5020.7	4983.3	4946.1	4912.4	4879.0
5°	5497.7	5404.8	5312.2	5225.6	5138.8	5057.1	4976.3	4905.9	4835.1	4776.0	4716.9
7.5°	5692.7	5555.5	5418.3	5297.3	5176.5	5064.9	4960.4	4866.5	4772.8	4695.0	4617.1
10°	5837.8	5671.1	5504.2	5361.4	5218.1	5080.4	4968.1	4869.3	4770.3	4692.4	4614.5
12.5°	5943.9	5747.3	5550.7	5388.8	5227.1	5082.4	4977.8	4896.8	4816.3	4764.5	4713.1
15°	6007.7	5781.3	5554.9	5367.6	5180.3	5020.1	4936.4	4897.7	4859.1	4866.1	4873.2
17.5°	6026.1	5763.3	5500.5	5275.2	5049.9	4861.5	4809.8	4824.1	4838.1	4923.0	5007.8
20°	6031.9	5713.3	5394.9	5115.7	4836.5	4617.1	4603.5	4669.7	4735.8	4883.2	5030.8
22.5°	6039.7	5652.3	5264.8	4928.6	4592.4	4342.6	4369.3	4467.2	4565.1	4733.3	4902.0
25°	6070.5	5591.9	5113.5	4719.7	4326.0	4070.0	4142.0	4255.0	4367.9	4519.1	4670.6
27.5°	6134.7	5551.6	4968.5	4528.7	4088.9	3855.8	3943.5	4052.4	4161.5	4285.9	4410.2
30°	6222.7	5532.7	4842.3	4369.1	3895.7	3700.1	3768.8	3855.2	3942.2	4045.3	4148.5
32.5°	6298.6	5509.4	4719.7	4231.4	3742.9	3585.2	3615.8	3667.0	3718.2	3800.6	3883.1
35°	6354.3	5465.4	4576.8	4096.1	3615.4	3484.0	3471.4	3485.3	3499.6	3562.5	3625.1
37.5°	6387.4	5390.1	4392.6	3936.8	3481.1	3366.2	3319.9	3304.3	3288.7	3333.9	3378.8
40°	6408.3	5286.2	4164.5	3746.8	3329.2	3225.1	3154.0	3118.8	3083.5	3116.0	3148.5
42.5°	6447.8	5179.1	3911.0	3537.2	3163.4	3067.3	2977.8	2931.1	2884.4	2910.8	2937.5
45°	6517.3	5079.7	3642.2	3314.4	2986.5	2889.2	2802.6	2757.0	2711.6	2733.9	2756.4
47.5°	6565.0	4997.5	3430.1	3138.2	2846.4	2720.8	2646.2	2608.1	2569.9	2591.0	2611.8
50°	6533.9	4908.0	3282.0	3021.2	2760.3	2595.2	2508.6	2474.8	2441.0	2473.7	2506.6
52.5°	6342.1	4756.7	3171.6	2944.1	2716.9	2527.1	2406.0	2372.5	2339.3	2388.5	2437.6
55°	5945.8	4505.9	3066.0	2888.2	2710.5	2533.9	2351.5	2298.6	2245.8	2315.7	2385.4
57.5°	5357.0	4152.4	2947.6	2822.0	2696.5	2540.7	2318.8	2241.7	2164.6	2239.7	2314.9
60°	4567.1	3693.3	2819.5	2720.8	2622.1	2519.3	2288.0	2188.2	2088.0	2154.0	2219.8
62.5°	3677.3	3143.9	2610.4	2544.8	2479.4	2466.8	2252.2	2127.2	2002.4	2044.3	2086.1
65°	2898.6	2649.5	2400.5	2369.6	2338.6	2340.2	2176.7	2043.8	1910.9	1927.0	1943.0
67.5°	2245.2	2174.5	2103.6	2120.9	2138.0	2133.8	2041.9	1931.3	1820.7	1815.7	1810.7
70°	1700.6	1720.9	1741.0	1821.1	1901.2	1901.2	1870.9	1792.3	1713.7	1696.2	1678.6
72.5°	1311.8	1372.8	1433.9	1547.6	1661.1	1680.2	1680.6	1626.7	1572.8	1547.0	1521.5
75°	1018.6	1073.9	1129.2	1256.5	1383.9	1471.9	1464.4	1423.0	1381.3	1356.8	1332.1
77.5°	784.2	821.7	859.6	983.2	1106.8	1251.8	1247.9	1214.7	1181.4	1156.5	1131.5
80°	587.9	603.5	619.1	723.9	828.4	1001.7	1001.1	973.2	945.3	924.3	903.3
82.5°	420.1	422.9	426.0	503.1	580.2	728.2	736.4	722.7	709.1	694.2	679.5
85°	254.1	252.7	251.1	307.6	364.1	474.1	484.8	470.2	455.6	439.0	422.5
87.5°	111.3	110.0	108.6	131.6	154.8	200.5	214.1	208.3	202.4	199.4	196.3
90°	0.0	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):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	4849.6	4820.2	4790.5	4761.1	4738.4	4715.4	4697.0	4678.4	4664.1	4649.6	4636.4
5°	4664.8	4612.6	4565.3	4517.8	4481.4	4444.8	4419.3	4393.8	4375.7	4357.6	4343.7
7.5°	4551.5	4485.7	4427.7	4369.9	4326.4	4283.2	4252.8	4222.5	4201.6	4181.0	4168.6
10°	4543.9	4473.0	4407.8	4342.6	4290.8	4238.8	4205.0	4170.6	4151.0	4131.4	4120.8
12.5°	4657.4	4602.1	4534.5	4467.2	4400.9	4334.8	4291.0	4247.2	4225.2	4203.4	4194.4
15°	4858.7	4844.3	4785.7	4727.1	4632.9	4538.6	4472.1	4405.4	4374.9	4344.6	4332.9
17.5°	5053.0	5097.9	5050.7	5003.5	4878.8	4754.0	4655.9	4557.8	4512.6	4467.2	4452.4
20°	5125.2	5219.7	5197.9	5175.8	5033.2	4890.7	4770.3	4650.2	4592.4	4534.4	4515.8
22.5°	5024.8	5147.7	5160.9	5173.9	5037.7	4901.3	4777.5	4653.5	4592.5	4531.4	4511.0
25°	4791.6	4912.4	4957.6	5002.6	4890.8	4779.3	4669.1	4559.3	4506.3	4453.5	4434.3
27.5°	4507.1	4604.1	4654.3	4704.8	4625.1	4545.7	4460.2	4374.7	4339.2	4303.7	4294.9
30°	4228.8	4309.5	4350.4	4391.2	4330.7	4269.9	4208.9	4147.4	4129.2	4110.9	4110.9
32.5°	3960.2	4037.5	4082.9	4128.4	4072.7	4016.9	3968.0	3919.1	3907.3	3895.4	3896.9
35°	3701.5	3777.9	3832.5	3887.0	3847.3	3807.8	3762.6	3717.6	3699.5	3681.6	3677.7
37.5°	3455.0	3531.3	3598.7	3666.0	3647.8	3629.4	3587.9	3546.3	3513.4	3480.7	3463.4
40°	3222.1	3295.7	3373.2	3450.9	3455.4	3459.7	3424.4	3389.2	3341.3	3293.7	3261.4
42.5°	3007.1	3077.0	3160.8	3244.5	3266.9	3289.3	3259.5	3229.9	3170.5	3111.2	3064.2
45°	2822.6	2888.9	2975.7	3062.5	3094.6	3126.8	3099.9	3073.2	3005.3	2937.5	2882.4
47.5°	2676.6	2741.3	2827.0	2912.5	2949.5	2986.5	2967.9	2949.1	2888.9	2828.5	2777.4
50°	2567.7	2628.7	2705.4	2782.2	2829.6	2877.2	2875.9	2875.2	2827.0	2778.7	2731.5
52.5°	2493.6	2549.5	2620.9	2692.6	2748.8	2805.1	2815.3	2825.3	2786.1	2746.7	2704.5
55°	2445.8	2506.0	2568.8	2631.3	2690.8	2750.6	2764.6	2778.7	2744.3	2710.1	2673.1
57.5°	2385.8	2456.6	2518.5	2580.6	2640.8	2700.8	2714.9	2729.2	2694.5	2659.9	2623.3
60°	2301.2	2382.6	2445.5	2508.6	2569.0	2629.3	2644.9	2660.5	2626.6	2592.9	2555.1
62.5°	2180.9	2275.9	2343.1	2410.3	2465.5	2520.9	2535.8	2550.8	2520.3	2489.7	2450.0
65°	2044.7	2146.5	2210.7	2275.0	2323.7	2372.3	2387.7	2402.9	2373.5	2344.1	2305.5
67.5°	1904.4	1998.5	2059.4	2120.2	2162.2	2204.3	2219.3	2234.1	2207.0	2180.2	2144.3
70°	1761.2	1843.8	1896.2	1948.8	1986.9	2024.8	2039.2	2053.6	2031.5	2009.6	1975.4
72.5°	1586.5	1651.4	1698.8	1746.4	1783.6	1820.7	1837.9	1855.0	1836.7	1818.5	1785.8
75°	1380.4	1428.6	1471.7	1514.7	1548.6	1582.5	1600.3	1618.3	1609.4	1600.3	1572.9
77.5°	1170.9	1210.0	1247.0	1284.0	1319.6	1355.0	1371.8	1388.6	1376.1	1363.2	1335.6
80°	936.0	968.6	999.8	1030.8	1057.9	1084.9	1107.0	1129.2	1123.7	1118.5	1081.3
82.5°	676.7	674.0	663.1	652.2	709.8	767.5	805.2	843.1	840.7	838.1	806.8
85°	408.5	394.2	364.1	333.9	387.9	442.0	488.7	535.4	531.5	527.6	503.1
87.5°	195.7	195.1	172.1	148.9	171.5	194.3	213.2	232.1	227.4	222.3	209.9
90°	0.0	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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	4623.0	4606.3	4623.0	4636.4	4649.6	4664.1	4678.4	4697.0	4715.4	4738.4	4761.1
5°	4329.9	4316.3	4329.9	4343.7	4357.6	4375.7	4393.8	4419.3	4444.8	4481.4	4517.8
7.5°	4156.3	4146.9	4156.3	4168.6	4181.0	4201.6	4222.5	4252.8	4283.2	4326.4	4369.9
10°	4110.4	4106.0	4110.4	4120.8	4131.4	4151.0	4170.6	4205.0	4238.8	4290.8	4342.6
12.5°	4185.5	4183.9	4185.5	4194.4	4203.4	4225.2	4247.2	4291.0	4334.8	4400.9	4467.2
15°	4321.2	4320.2	4321.2	4332.9	4344.6	4374.9	4405.4	4472.1	4538.6	4632.9	4727.1
17.5°	4437.4	4435.1	4437.4	4452.4	4467.2	4512.6	4557.8	4655.9	4754.0	4878.8	5003.5
20°	4497.4	4491.5	4497.4	4515.8	4534.4	4592.4	4650.2	4770.3	4890.7	5033.2	5175.8
22.5°	4490.5	4481.8	4490.5	4511.0	4531.4	4592.5	4653.5	4777.5	4901.3	5037.7	5173.9
25°	4415.2	4403.9	4415.2	4434.3	4453.5	4506.3	4559.3	4669.1	4779.3	4890.8	5002.6
27.5°	4286.1	4283.2	4286.1	4294.9	4303.7	4339.2	4374.7	4460.2	4545.7	4625.1	4704.8
30°	4110.9	4113.8	4110.9	4110.9	4110.9	4129.2	4147.4	4208.9	4269.9	4330.7	4391.2
32.5°	3898.7	3901.6	3898.7	3896.9	3895.4	3907.3	3919.1	3968.0	4016.9	4072.7	4128.4
35°	3673.8	3671.9	3673.8	3677.7	3681.6	3699.5	3717.6	3762.6	3807.8	3847.3	3887.0
37.5°	3446.0	3436.3	3446.0	3463.4	3480.7	3513.4	3546.3	3587.9	3629.4	3647.8	3666.0
40°	3229.6	3210.4	3229.6	3261.4	3293.7	3341.3	3389.2	3424.4	3459.7	3455.4	3450.9
42.5°	3017.3	2986.5	3017.3	3064.2	3111.2	3170.5	3229.9	3259.5	3289.3	3266.9	3244.5
45°	2827.3	2791.9	2827.3	2882.4	2937.5	3005.3	3073.2	3099.9	3126.8	3094.6	3062.5
47.5°	2726.6	2692.6	2726.6	2777.4	2828.5	2888.9	2949.1	2967.9	2986.5	2949.5	2912.5
50°	2684.4	2651.7	2684.4	2731.5	2778.7	2827.0	2875.2	2875.9	2877.2	2829.6	2782.2
52.5°	2662.4	2632.2	2662.4	2704.5	2746.7	2786.1	2825.3	2815.3	2805.1	2748.8	2692.6
55°	2636.1	2608.8	2636.1	2673.1	2710.1	2744.3	2778.7	2764.6	2750.6	2690.8	2631.3
57.5°	2586.5	2558.2	2586.5	2623.3	2659.9	2694.5	2729.2	2714.9	2700.8	2640.8	2580.6
60°	2517.4	2488.2	2517.4	2555.1	2592.9	2626.6	2660.5	2644.9	2629.3	2569.0	2508.6
62.5°	2410.3	2375.2	2410.3	2450.0	2489.7	2520.3	2550.8	2535.8	2520.9	2465.5	2410.3
65°	2267.2	2237.0	2267.2	2305.5	2344.1	2373.5	2402.9	2387.7	2372.3	2323.7	2275.0
67.5°	2108.5	2081.3	2108.5	2144.3	2180.2	2207.0	2234.1	2219.3	2204.3	2162.2	2120.2
70°	1941.0	1909.9	1941.0	1975.4	2009.6	2031.5	2053.6	2039.2	2024.8	1986.9	1948.8
72.5°	1753.2	1723.0	1753.2	1785.8	1818.5	1836.7	1855.0	1837.9	1820.7	1783.6	1746.4
75°	1545.5	1516.7	1545.5	1572.9	1600.3	1609.4	1618.3	1600.3	1582.5	1548.6	1514.7
77.5°	1307.9	1284.9	1307.9	1335.6	1363.2	1376.1	1388.6	1371.8	1355.0	1319.6	1284.0
80°	1044.0	1000.7	1044.0	1081.3	1118.5	1123.7	1129.2	1107.0	1084.9	1057.9	1030.8
82.5°	775.3	747.6	775.3	806.8	838.1	840.7	843.1	805.2	767.5	709.8	652.2
85°	478.6	453.7	478.6	503.1	527.6	531.5	535.4	488.7	442.0	387.9	333.9
87.5°	197.0	184.9	197.0	209.9	222.3	227.4	232.1	213.2	194.3	171.5	148.9
90°	0.0	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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	4790.5	4820.2	4849.6	4879.0	4912.4	4946.1	4983.3	5020.7	5066.8	5108.3	5151.1
5°	4565.3	4612.6	4664.8	4716.9	4776.0	4835.1	4905.9	4976.3	5057.1	5138.8	5225.6
7.5°	4427.7	4485.7	4551.5	4617.1	4695.0	4772.8	4866.5	4960.4	5064.9	5176.5	5297.3
10°	4407.8	4473.0	4543.9	4614.5	4692.4	4770.3	4869.3	4968.1	5080.4	5218.1	5361.4
12.5°	4534.5	4602.1	4657.4	4713.1	4764.5	4816.3	4896.8	4977.8	5082.4	5227.1	5388.8
15°	4785.7	4844.3	4858.7	4873.2	4866.1	4859.1	4897.7	4936.4	5020.1	5180.3	5367.6
17.5°	5050.7	5097.9	5053.0	5007.8	4923.0	4838.1	4824.1	4809.8	4861.5	5049.9	5275.2
20°	5197.9	5219.7	5125.2	5030.8	4883.2	4735.8	4669.7	4603.5	4617.1	4836.5	5115.7
22.5°	5160.9	5147.7	5024.8	4902.0	4733.3	4565.1	4467.2	4369.3	4342.6	4592.4	4928.6
25°	4957.6	4912.4	4791.6	4670.6	4519.1	4367.9	4255.0	4142.0	4070.0	4326.0	4719.7
27.5°	4654.3	4604.1	4507.1	4410.2	4285.9	4161.5	4052.4	3943.5	3855.8	4088.9	4528.7
30°	4350.4	4309.5	4228.8	4148.5	4045.3	3942.2	3855.2	3768.8	3700.1	3895.7	4369.1
32.5°	4082.9	4037.5	3960.2	3883.1	3800.6	3718.2	3667.0	3615.8	3585.2	3742.9	4231.4
35°	3832.5	3777.9	3701.5	3625.1	3562.5	3499.6	3485.3	3471.4	3484.0	3615.4	4096.1
37.5°	3598.7	3531.3	3455.0	3378.8	3333.9	3288.7	3304.3	3319.9	3366.2	3481.1	3936.8
40°	3373.2	3295.7	3222.1	3148.5	3116.0	3083.5	3118.8	3154.0	3225.1	3329.2	3746.8
42.5°	3160.8	3077.0	3007.1	2937.5	2910.8	2884.4	2931.1	2977.8	3067.3	3163.4	3537.2
45°	2975.7	2888.9	2822.6	2756.4	2733.9	2711.6	2757.0	2802.6	2889.2	2986.5	3314.4
47.5°	2827.0	2741.3	2676.6	2611.8	2591.0	2569.9	2608.1	2646.2	2720.8	2846.4	3138.2
50°	2705.4	2628.7	2567.7	2506.6	2473.7	2441.0	2474.8	2508.6	2595.2	2760.3	3021.2
52.5°	2620.9	2549.5	2493.6	2437.6	2388.5	2339.3	2372.5	2406.0	2527.1	2716.9	2944.1
55°	2568.8	2506.0	2445.8	2385.4	2315.7	2245.8	2298.6	2351.5	2533.9	2710.5	2888.2
57.5°	2518.5	2456.6	2385.8	2314.9	2239.7	2164.6	2241.7	2318.8	2540.7	2696.5	2822.0
60°	2445.5	2382.6	2301.2	2219.8	2154.0	2088.0	2188.2	2288.0	2519.3	2622.1	2720.8
62.5°	2343.1	2275.9	2180.9	2086.1	2044.3	2002.4	2127.2	2252.2	2466.8	2479.4	2544.8
65°	2210.7	2146.5	2044.7	1943.0	1927.0	1910.9	2043.8	2176.7	2340.2	2338.6	2369.6
67.5°	2059.4	1998.5	1904.4	1810.7	1815.7	1820.7	1931.3	2041.9	2133.8	2138.0	2120.9
70°	1896.2	1843.8	1761.2	1678.6	1696.2	1713.7	1792.3	1870.9	1901.2	1901.2	1821.1
72.5°	1698.8	1651.4	1586.5	1521.5	1547.0	1572.8	1626.7	1680.6	1680.2	1661.1	1547.6
75°	1471.7	1428.6	1380.4	1332.1	1356.8	1381.3	1423.0	1464.4	1471.9	1383.9	1256.5
77.5°	1247.0	1210.0	1170.9	1131.5	1156.5	1181.4	1214.7	1247.9	1251.8	1106.8	983.2
80°	999.8	968.6	936.0	903.3	924.3	945.3	973.2	1001.1	1001.7	828.4	723.9
82.5°	663.1	674.0	676.7	679.5	694.2	709.1	722.7	736.4	728.2	580.2	503.1
85°	364.1	394.2	408.5	422.5	439.0	455.6	470.2	484.8	474.1	364.1	307.6
87.5°	172.1	195.1	195.7	196.3	199.4	202.4	208.3	214.1	200.5	154.8	131.6
90°	0.0	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):

	330°	335°	340°	345°	350°	355°	360°
0°	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6	5073.6
2.5°	5194.0	5238.8	5283.6	5328.0	5372.5	5414.4	5456.2
5°	5312.2	5404.8	5497.7	5589.7	5682.1	5774.5	5867.0
7.5°	5418.3	5555.5	5692.7	5833.7	5974.7	6127.1	6279.8
10°	5504.2	5671.1	5837.8	6023.9	6210.3	6403.2	6596.1
12.5°	5550.7	5747.3	5943.9	6154.9	6366.0	6577.8	6789.8
15°	5554.9	5781.3	6007.7	6236.7	6465.7	6686.7	6907.7
17.5°	5500.5	5763.3	6026.1	6275.9	6525.7	6749.7	6973.8
20°	5394.9	5713.3	6031.9	6306.4	6580.9	6814.0	7046.9
22.5°	5264.8	5652.3	6039.7	6347.7	6655.5	6893.6	7131.5
25°	5113.5	5591.9	6070.5	6422.4	6774.2	7007.3	7240.6
27.5°	4968.5	5551.6	6134.7	6539.3	6943.7	7166.2	7388.5
30°	4842.3	5532.7	6222.7	6690.6	7158.4	7373.1	7588.1
32.5°	4719.7	5509.4	6298.6	6848.4	7398.2	7610.8	7823.6
35°	4576.8	5465.4	6354.3	7028.3	7702.4	7906.2	8109.8
37.5°	4392.6	5390.1	6387.4	7229.8	8072.3	8332.0	8591.8
40°	4164.5	5286.2	6408.3	7485.7	8562.8	8941.4	9319.8
42.5°	3911.0	5179.1	6447.8	7820.3	9192.9	9739.2	10285.6
45°	3642.2	5079.7	6517.3	8260.8	10004.2	10741.1	11478.1
47.5°	3430.1	4997.5	6565.0	8729.9	10894.9	11932.2	12969.3
50°	3282.0	4908.0	6533.9	9165.2	11796.7	13360.5	14924.0
52.5°	3171.6	4756.7	6342.1	9447.9	12553.7	14860.8	17167.8
55°	3066.0	4505.9	5945.8	9385.6	12825.3	16190.9	19556.7
57.5°	2947.6	4152.4	5357.0	8947.2	12537.7	17133.6	21729.5
60°	2819.5	3693.3	4567.1	8131.2	11695.5	17369.1	23042.6
62.5°	2610.4	3143.9	3677.3	7027.9	10378.5	16377.2	22375.9
65°	2400.5	2649.5	2898.6	5902.3	8906.1	14973.7	21041.2
67.5°	2103.6	2174.5	2245.2	4799.6	7353.9	13303.5	19253.0
70°	1741.0	1720.9	1700.6	3779.0	5857.3	11480.9	17104.6
72.5°	1433.9	1372.8	1311.8	2889.1	4466.2	9505.2	14544.3
75°	1129.2	1073.9	1018.6	2096.8	3175.0	7240.4	11305.7
77.5°	859.6	821.7	784.2	1420.9	2057.5	5067.6	8077.7
80°	619.1	603.5	587.9	915.4	1243.1	3264.9	5286.8
82.5°	426.0	422.9	420.1	563.0	706.3	1889.7	3073.2
85°	251.1	252.7	254.1	301.0	348.1	850.0	1352.1
87.5°	108.6	110.0	111.3	124.8	138.3	278.4	418.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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