

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: P968748

Luminaire Tested: **NVN-SB5C-730-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968748
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-SB5C-730-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38637.4 lumens
Efficiency: N/A
Efficacy: 154.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

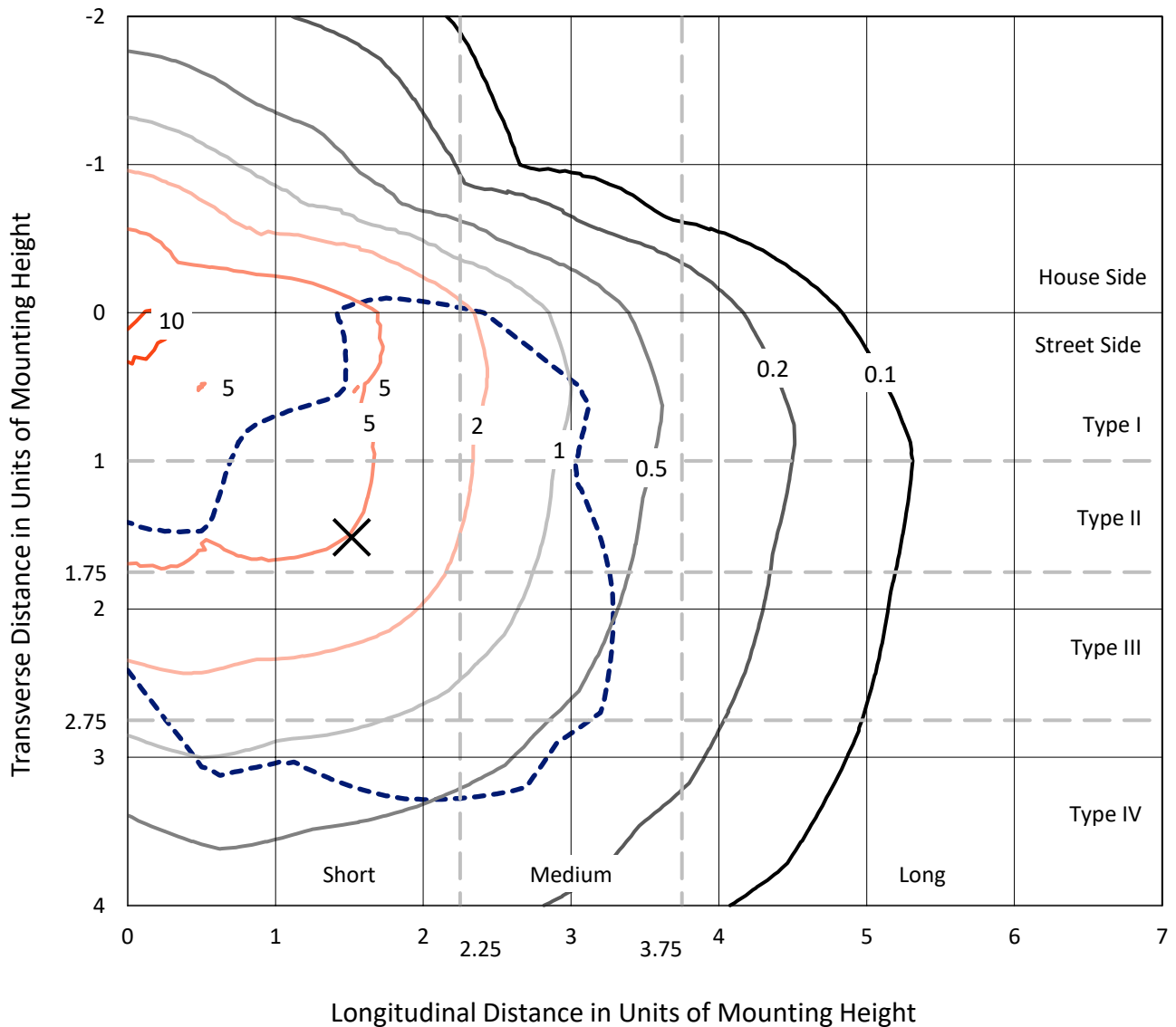
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

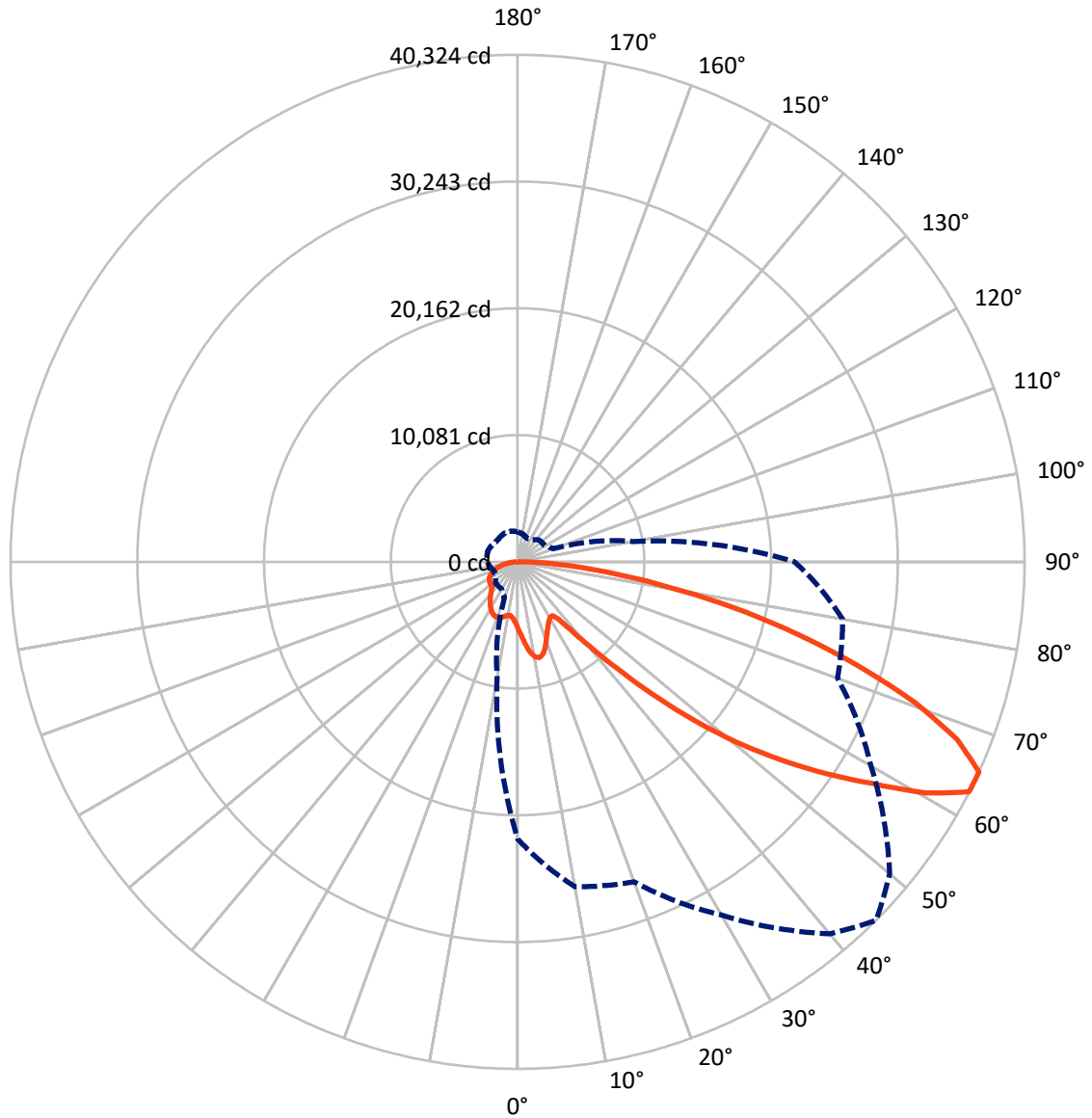
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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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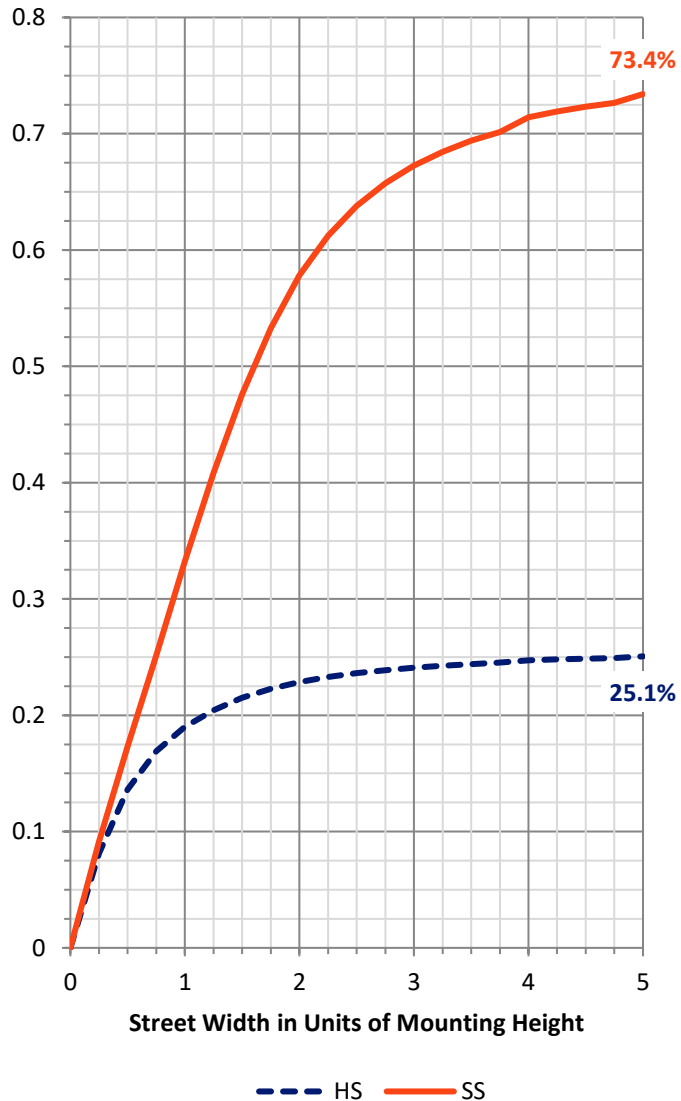
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9819.7	0.0	9819.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	28817.7	0.0	28817.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	38637.4	0.0	38637.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.0	1.4
10°-20°	1654.5	4.3
20°-30°	2555.6	6.6
30°-40°	3238.6	8.4
40°-50°	4884.7	12.6
50°-60°	7891.9	20.4
60°-70°	9838.5	25.5
70°-80°	6451.6	16.7
80°-90°	1595.0	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°	38637.4	100.0
0°-180°	38637.4	100.0

Coefficient of Utilization

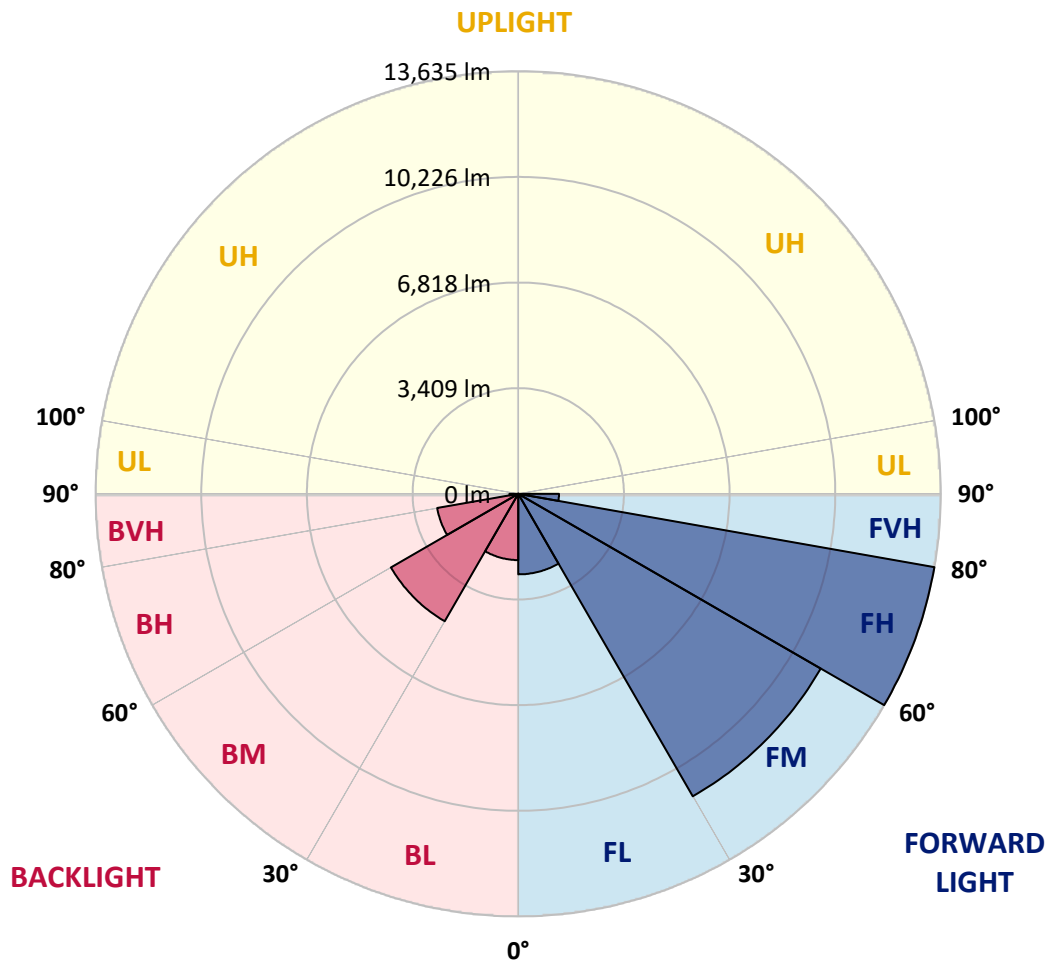


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2598.8	6.7			
FM (30°-60°)	11269.7	29.2			
FH (60°-80°)	13635.3	35.3			G5
FVH (80°-90°)	1313.9	3.4			G5
BL (0°-30°)	2138.4	5.5	B3/2500		
BM (30°-60°)	4745.5	12.3	B3/5000		
BH (60°-80°)	2654.8	6.9	B4/5000		G4/5000
BVH (80°-90°)	281.1	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°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	5713.6	5735.2	5757.0	5787.8	5818.6	5837.0	5855.3	5864.4	5873.7	5869.6	5873.7
5°	6143.7	6219.4	6295.2	6370.3	6445.5	6486.3	6527.0	6551.7	6576.6	6595.4	6576.6
7.5°	6576.0	6699.1	6822.1	6932.8	7043.5	7110.1	7176.7	7212.9	7248.8	7266.1	7248.8
10°	6907.3	7052.8	7198.4	7328.2	7458.1	7536.8	7615.1	7650.2	7685.0	7698.3	7685.0
12.5°	7110.1	7268.0	7425.5	7543.0	7659.9	7717.0	7774.1	7793.3	7812.4	7814.5	7812.4
15°	7233.4	7369.6	7505.7	7579.3	7653.1	7655.1	7657.2	7636.8	7616.4	7592.3	7616.4
17.5°	7302.8	7394.8	7486.7	7488.1	7489.4	7406.8	7324.2	7248.6	7172.7	7119.3	7172.7
20°	7379.3	7411.3	7443.4	7346.6	7249.8	7067.5	6885.2	6752.5	6619.8	6538.3	6619.8
22.5°	7467.9	7425.9	7383.9	7183.3	6982.7	6714.6	6446.5	6280.6	6114.6	6024.5	6114.6
25°	7582.1	7449.6	7317.1	7012.4	6707.9	6382.3	6056.7	5882.2	5708.1	5622.8	5708.1
27.5°	7737.0	7500.1	7263.0	6859.6	6456.3	6095.5	5734.6	5562.9	5391.5	5310.9	5391.5
30°	7946.0	7592.7	7239.6	6743.0	6246.3	5870.4	5494.4	5335.2	5175.9	5100.9	5175.9
32.5°	8192.7	7708.9	7225.3	6663.4	6101.5	5748.2	5394.9	5269.9	5144.8	5090.8	5144.8
35°	8492.4	7900.4	7308.5	6723.0	6137.6	5892.2	5646.9	5617.7	5588.6	5584.1	5588.6
37.5°	8996.9	8300.6	7604.1	7072.0	6539.9	6524.0	6508.1	6641.4	6774.7	6844.0	6774.7
40°	9759.4	9002.1	8244.7	7848.9	7453.3	7732.6	8011.9	8336.0	8660.2	8821.7	8660.2
42.5°	10770.7	10019.2	9267.7	9039.8	8811.8	9421.1	10030.2	10619.8	11209.4	11555.6	11209.4
45°	12019.5	11344.4	10669.1	10568.7	10467.9	11443.9	12420.0	13388.9	14357.9	14946.0	14357.9
47.5°	13581.1	12924.4	12267.5	12247.1	12226.8	13634.8	15042.3	16460.7	17878.8	18711.6	17878.8
50°	15628.0	14816.8	14005.8	14009.3	14012.7	15827.2	17641.7	19513.8	21386.0	22517.9	21386.0
52.5°	17977.7	16995.4	16013.4	15914.0	15814.5	17982.0	20149.3	22465.7	24781.9	26138.7	24781.9
55°	20479.2	19508.7	18538.4	18151.1	17764.0	20176.2	22588.3	25349.8	28111.2	29724.9	28111.2
57.5°	22754.5	22226.0	21697.3	20920.8	20144.4	22580.1	25015.8	28143.6	31271.3	33272.3	31271.3
60°	24129.6	24950.3	25771.4	24807.0	23842.7	26147.7	28452.8	31801.5	35150.4	37313.2	35150.4
62.5°	23431.3	25674.1	27917.0	27808.2	27699.4	29811.0	31922.7	35108.8	38294.8	40293.8	38294.8
65°	22033.7	24138.7	26243.8	26660.2	27076.6	29760.0	32443.6	35533.1	38622.4	40324.3	38622.4
67.5°	20161.1	22163.2	24165.3	24360.6	24555.7	27351.6	30147.3	33250.1	36352.9	37686.2	36352.9
70°	17911.4	20089.0	22266.8	22354.0	22441.5	24941.8	27441.9	30112.0	32782.1	33523.1	32782.1
72.5°	15230.5	17729.3	20228.5	20291.2	20353.8	22310.0	24266.2	26265.9	28265.6	28340.6	28265.6
75°	11839.0	14425.3	17011.7	17243.9	17476.1	18998.1	20520.0	21927.7	23335.5	22958.4	23335.5
77.5°	8458.7	10873.0	13287.5	13619.9	13952.2	15109.1	16266.1	17264.5	18263.0	17614.7	18263.0
80°	5536.2	7567.4	9598.4	10011.5	10424.6	11298.4	12171.7	12696.1	13220.2	12177.4	13220.2
82.5°	3218.2	4606.8	5995.5	6456.9	6918.4	7519.9	8121.4	8340.1	8558.6	7739.1	8558.6
85°	1415.9	2152.9	2889.9	3282.4	3674.8	4169.0	4663.0	4787.2	4911.4	4254.9	4911.4
87.5°	438.3	686.0	933.8	1152.7	1371.7	1618.8	1865.9	1876.5	1886.8	1584.1	1886.8
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°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	5864.4	5855.3	5837.0	5818.6	5787.8	5757.0	5735.2	5713.6	5669.8	5625.9	5579.3
5°	6551.7	6527.0	6486.3	6445.5	6370.3	6295.2	6219.4	6143.7	6046.9	5950.1	5853.5
7.5°	7212.9	7176.7	7110.1	7043.5	6932.8	6822.1	6699.1	6576.0	6416.1	6256.5	6108.9
10°	7650.2	7615.1	7536.8	7458.1	7328.2	7198.4	7052.8	6907.3	6705.2	6503.2	6308.1
12.5°	7793.3	7774.1	7717.0	7659.9	7543.0	7425.5	7268.0	7110.1	6888.1	6666.3	6445.3
15°	7636.8	7657.2	7655.1	7653.1	7579.3	7505.7	7369.6	7233.4	7002.1	6770.6	6530.9
17.5°	7248.6	7324.2	7406.8	7489.4	7488.1	7486.7	7394.8	7302.8	7068.1	6833.5	6571.9
20°	6752.5	6885.2	7067.5	7249.8	7346.6	7443.4	7411.3	7379.3	7135.4	6891.4	6603.9
22.5°	6280.6	6446.5	6714.6	6982.7	7183.3	7383.9	7425.9	7467.9	7218.8	6969.5	6647.1
25°	5882.2	6056.7	6382.3	6707.9	7012.4	7317.1	7449.6	7582.1	7337.9	7093.8	6725.4
27.5°	5562.9	5734.6	6095.5	6456.3	6859.6	7263.0	7500.1	7737.0	7504.2	7271.1	6847.7
30°	5335.2	5494.4	5870.4	6246.3	6743.0	7239.6	7592.7	7946.0	7720.9	7496.0	7006.2
32.5°	5269.9	5394.9	5748.2	6101.5	6663.4	7225.3	7708.9	8192.7	7969.9	7747.3	7171.5
35°	5617.7	5646.9	5892.2	6137.6	6723.0	7308.5	7900.4	8492.4	8279.1	8065.7	7359.9
37.5°	6641.4	6508.1	6524.0	6539.9	7072.0	7604.1	8300.6	8996.9	8725.0	8453.1	7570.9
40°	8336.0	8011.9	7732.6	7453.3	7848.9	8244.7	9002.1	9759.4	9363.2	8966.8	7838.8
42.5°	10619.8	10030.2	9421.1	8811.8	9039.8	9267.7	10019.2	10770.7	10198.6	9626.6	8189.2
45°	13388.9	12420.0	11443.9	10467.9	10568.7	10669.1	11344.4	12019.5	11247.7	10476.1	8650.4
47.5°	16460.7	15042.3	13634.8	12226.8	12247.1	12267.5	12924.4	13581.1	12495.1	11408.9	9141.8
50°	19513.8	17641.7	15827.2	14012.7	14009.3	14005.8	14816.8	15628.0	13990.7	12353.2	9597.6
52.5°	22465.7	20149.3	17982.0	15814.5	15914.0	16013.4	16995.4	17977.7	15561.8	13145.8	9893.6
55°	25349.8	22588.3	20176.2	17764.0	18151.1	18538.4	19508.7	20479.2	16954.6	13430.3	9828.4
57.5°	28143.6	25015.8	22580.1	20144.4	20920.8	21697.3	22226.0	22754.5	17941.8	13129.1	9369.2
60°	31801.5	28452.8	26147.7	23842.7	24807.0	25771.4	24950.3	24129.6	18188.4	12247.1	8514.8
62.5°	35108.8	31922.7	29811.0	27699.4	27808.2	27917.0	25674.1	23431.3	17149.7	10868.2	7359.5
65°	35533.1	32443.6	29760.0	27076.6	26660.2	26243.8	24138.7	22033.7	15680.0	9326.3	6180.6
67.5°	33250.1	30147.3	27351.6	24555.7	24360.6	24165.3	22163.2	20161.1	13931.0	7700.7	5025.9
70°	30112.0	27441.9	24941.8	22441.5	22354.0	22266.8	20089.0	17911.4	12022.5	6133.6	3957.2
72.5°	26265.9	24266.2	22310.0	20353.8	20291.2	20228.5	17729.3	15230.5	9953.6	4676.9	3025.3
75°	21927.7	20520.0	18998.1	17476.1	17243.9	17011.7	14425.3	11839.0	7581.9	3324.8	2195.8
77.5°	17264.5	16266.1	15109.1	13952.2	13619.9	13287.5	10873.0	8458.7	5306.6	2154.5	1487.9
80°	12696.1	12171.7	11298.4	10424.6	10011.5	9598.4	7567.4	5536.2	3419.0	1301.8	958.6
82.5°	8340.1	8121.4	7519.9	6918.4	6456.9	5995.5	4606.8	3218.2	1978.8	739.6	589.6
85°	4787.2	4663.0	4169.0	3674.8	3282.4	2889.9	2152.9	1415.9	890.1	364.5	315.2
87.5°	1876.5	1865.9	1618.8	1371.7	1152.7	933.8	686.0	438.3	291.5	144.7	130.7
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°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	5532.7	5485.9	5439.0	5394.2	5349.3	5305.8	5257.5	5218.4	5179.4	5144.2	5109.1
5°	5757.0	5659.7	5562.7	5472.0	5381.2	5295.7	5211.0	5137.2	5063.2	5001.3	4939.5
7.5°	5961.3	5817.6	5673.8	5547.2	5420.6	5303.8	5194.3	5096.1	4998.0	4916.4	4834.9
10°	6113.2	5938.6	5764.0	5614.3	5464.3	5320.1	5202.5	5098.9	4995.3	4913.7	4832.3
12.5°	6224.3	6018.4	5812.5	5643.0	5473.6	5322.1	5212.6	5127.9	5043.4	4989.2	4935.4
15°	6291.1	6054.1	5817.0	5620.8	5424.7	5256.9	5169.3	5128.7	5088.3	5095.7	5103.0
17.5°	6310.3	6035.1	5759.9	5524.0	5288.1	5090.8	5036.7	5051.6	5066.3	5155.1	5244.1
20°	6316.5	5982.9	5649.4	5357.0	5064.6	4834.9	4820.6	4890.0	4959.3	5113.6	5268.1
22.5°	6324.6	5918.9	5513.2	5161.1	4809.0	4547.4	4575.4	4677.9	4780.5	4956.6	5133.2
25°	6356.8	5855.7	5354.8	4942.3	4530.1	4262.0	4337.4	4455.7	4574.0	4732.3	4891.0
27.5°	6424.1	5813.5	5202.9	4742.4	4281.7	4037.8	4129.5	4243.6	4357.8	4488.1	4618.1
30°	6516.2	5793.7	5070.8	4575.2	4079.5	3874.6	3946.6	4037.2	4128.1	4236.1	4344.2
32.5°	6595.8	5769.2	4942.3	4431.0	3919.5	3754.4	3786.3	3840.0	3893.6	3979.9	4066.3
35°	6654.1	5723.2	4792.7	4289.3	3785.9	3648.4	3635.1	3649.7	3664.7	3730.5	3796.2
37.5°	6688.7	5644.3	4599.8	4122.5	3645.3	3525.0	3476.5	3460.2	3443.9	3491.2	3538.2
40°	6710.6	5535.6	4360.9	3923.6	3486.2	3377.2	3302.8	3265.9	3229.0	3263.0	3297.0
42.5°	6751.9	5423.5	4095.4	3704.0	3312.6	3212.0	3118.3	3069.4	3020.4	3048.1	3076.0
45°	6824.7	5319.3	3814.1	3470.8	3127.5	3025.5	2934.8	2887.1	2839.6	2862.8	2886.5
47.5°	6874.7	5233.2	3591.9	3286.3	2980.6	2849.2	2771.1	2731.1	2691.1	2713.2	2735.0
50°	6842.1	5139.5	3436.9	3163.8	2890.5	2717.7	2627.0	2591.4	2556.1	2590.4	2624.9
52.5°	6641.2	4981.1	3321.1	3083.0	2845.1	2646.2	2519.4	2484.4	2449.5	2501.1	2552.6
55°	6226.4	4718.5	3210.6	3024.5	2838.3	2653.4	2462.4	2406.9	2351.7	2424.8	2497.8
57.5°	5609.6	4348.3	3086.7	2955.2	2823.7	2660.6	2428.1	2347.5	2266.7	2345.4	2424.0
60°	4782.4	3867.5	2952.5	2849.2	2745.8	2638.1	2395.9	2291.4	2186.5	2255.7	2324.6
62.5°	3850.8	3292.2	2733.6	2664.8	2596.3	2583.1	2358.4	2227.5	2096.8	2140.7	2184.5
65°	3035.3	2774.6	2513.8	2481.3	2448.9	2450.6	2279.3	2140.3	2001.0	2017.9	2034.6
67.5°	2351.0	2277.0	2202.8	2221.0	2238.9	2234.5	2138.3	2022.4	1906.6	1901.4	1896.0
70°	1780.8	1802.1	1823.1	1907.0	1990.9	1990.9	1959.2	1876.9	1794.5	1776.1	1757.8
72.5°	1373.7	1437.6	1501.5	1620.6	1739.4	1759.4	1759.8	1703.3	1646.9	1620.0	1593.3
75°	1066.7	1124.5	1182.4	1315.8	1449.1	1541.3	1533.5	1490.1	1446.5	1420.8	1394.9
77.5°	821.2	860.6	900.2	1029.6	1159.1	1310.9	1306.9	1271.9	1237.1	1211.0	1184.9
80°	615.7	632.0	648.3	758.0	867.5	1049.0	1048.4	1019.2	989.8	968.0	946.0
82.5°	439.9	442.8	446.1	526.8	607.5	762.5	771.0	756.8	742.5	727.0	711.6
85°	266.1	264.7	263.0	322.2	381.2	496.4	507.7	492.3	477.0	459.7	442.4
87.5°	116.6	115.2	113.8	137.9	162.1	210.0	224.3	218.1	212.1	208.8	205.5
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°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	5078.4	5047.5	5016.6	4985.7	4961.9	4937.8	4918.5	4899.1	4884.0	4869.0	4855.1
5°	4884.8	4830.2	4780.7	4730.9	4692.8	4654.4	4627.8	4601.0	4582.1	4563.1	4548.6
7.5°	4766.1	4697.3	4636.5	4576.0	4530.5	4485.2	4453.4	4421.6	4399.8	4378.2	4365.2
10°	4758.3	4684.0	4615.7	4547.4	4493.2	4438.8	4403.3	4367.4	4346.8	4326.2	4315.2
12.5°	4877.1	4819.1	4748.4	4677.9	4608.6	4539.3	4493.4	4447.5	4424.5	4401.7	4392.2
15°	5087.9	5072.8	5011.4	4950.0	4851.4	4752.7	4683.0	4613.3	4581.2	4549.5	4537.3
17.5°	5291.4	5338.4	5288.9	5239.6	5108.9	4978.2	4875.4	4772.7	4725.5	4677.9	4662.4
20°	5367.0	5465.9	5443.1	5420.0	5270.5	5121.3	4995.3	4869.6	4809.0	4748.2	4728.8
22.5°	5261.8	5390.5	5404.3	5417.9	5275.3	5132.6	5002.9	4873.1	4809.2	4745.1	4723.8
25°	5017.6	5144.2	5191.4	5238.6	5121.5	5004.7	4889.4	4774.3	4718.9	4663.6	4643.5
27.5°	4719.7	4821.2	4873.9	4926.7	4843.2	4760.1	4670.5	4581.0	4543.9	4506.6	4497.5
30°	4428.4	4512.8	4555.6	4598.4	4535.0	4471.4	4407.4	4342.9	4324.0	4304.8	4304.8
32.5°	4147.0	4227.9	4275.5	4323.1	4264.8	4206.3	4155.1	4104.0	4091.6	4079.1	4080.7
35°	3876.0	3956.2	4013.3	4070.4	4028.8	3987.4	3940.1	3893.0	3874.0	3855.2	3851.2
37.5°	3617.9	3697.9	3768.4	3838.9	3819.8	3800.6	3757.2	3713.6	3679.1	3644.9	3626.8
40°	3374.1	3451.2	3532.4	3613.6	3618.4	3622.9	3586.0	3549.1	3498.9	3449.1	3415.3
42.5°	3149.0	3222.2	3309.9	3397.6	3421.0	3444.4	3413.2	3382.3	3320.1	3258.0	3208.8
45°	2955.8	3025.1	3116.0	3206.9	3240.5	3274.3	3246.1	3218.2	3147.1	3076.0	3018.3
47.5°	2802.9	2870.5	2960.3	3050.0	3088.7	3127.5	3107.9	3088.3	3025.1	2961.8	2908.4
50°	2688.9	2752.7	2833.0	2913.4	2963.1	3012.9	3011.7	3010.8	2960.3	2909.7	2860.4
52.5°	2611.2	2669.7	2744.5	2819.6	2878.5	2937.4	2948.0	2958.7	2917.5	2876.3	2832.0
55°	2561.1	2624.3	2689.9	2755.4	2817.7	2880.4	2895.0	2909.7	2873.8	2837.9	2799.2
57.5°	2498.2	2572.4	2637.3	2702.3	2765.3	2828.2	2843.0	2857.9	2821.6	2785.3	2747.0
60°	2409.8	2495.1	2560.9	2627.0	2690.1	2753.4	2769.7	2786.0	2750.5	2715.2	2675.7
62.5°	2283.8	2383.3	2453.6	2524.0	2581.9	2639.8	2655.5	2671.1	2639.2	2607.2	2565.6
65°	2141.1	2247.7	2315.0	2382.3	2433.2	2484.2	2500.3	2516.2	2485.4	2454.7	2414.3
67.5°	1994.3	2092.7	2156.6	2220.1	2264.2	2308.3	2324.0	2339.5	2311.2	2283.0	2245.5
70°	1844.3	1930.7	1985.7	2040.8	2080.5	2120.3	2135.4	2150.4	2127.4	2104.4	2068.6
72.5°	1661.4	1729.3	1779.0	1828.8	1867.7	1906.6	1924.5	1942.5	1923.3	1904.1	1869.9
75°	1445.5	1496.0	1541.1	1586.2	1621.7	1657.1	1675.9	1694.6	1685.2	1675.9	1647.1
77.5°	1226.1	1267.1	1305.8	1344.6	1381.9	1419.0	1436.5	1454.1	1440.9	1427.5	1398.6
80°	980.2	1014.2	1046.9	1079.5	1107.8	1136.0	1159.3	1182.4	1176.8	1171.3	1132.3
82.5°	708.7	705.8	694.4	683.0	743.3	803.7	843.3	882.7	880.4	877.7	844.9
85°	427.7	412.9	381.2	349.6	406.1	462.8	511.7	560.7	556.6	552.5	526.8
87.5°	204.9	204.3	180.2	156.0	179.6	203.5	223.2	243.0	238.1	232.8	219.8
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):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	4841.0	4823.6	4841.0	4855.1	4869.0	4884.0	4899.1	4918.5	4937.8	4961.9	4985.7
5°	4534.2	4519.9	4534.2	4548.6	4563.1	4582.1	4601.0	4627.8	4654.4	4692.8	4730.9
7.5°	4352.4	4342.5	4352.4	4365.2	4378.2	4399.8	4421.6	4453.4	4485.2	4530.5	4576.0
10°	4304.2	4299.7	4304.2	4315.2	4326.2	4346.8	4367.4	4403.3	4438.8	4493.2	4547.4
12.5°	4382.9	4381.3	4382.9	4392.2	4401.7	4424.5	4447.5	4493.4	4539.3	4608.6	4677.9
15°	4525.0	4523.9	4525.0	4537.3	4549.5	4581.2	4613.3	4683.0	4752.7	4851.4	4950.0
17.5°	4646.7	4644.3	4646.7	4662.4	4677.9	4725.5	4772.7	4875.4	4978.2	5108.9	5239.6
20°	4709.5	4703.4	4709.5	4728.8	4748.2	4809.0	4869.6	4995.3	5121.3	5270.5	5420.0
22.5°	4702.4	4693.2	4702.4	4723.8	4745.1	4809.2	4873.1	5002.9	5132.6	5275.3	5417.9
25°	4623.5	4611.7	4623.5	4643.5	4663.6	4718.9	4774.3	4889.4	5004.7	5121.5	5238.6
27.5°	4488.3	4485.2	4488.3	4497.5	4506.6	4543.9	4581.0	4670.5	4760.1	4843.2	4926.7
30°	4304.8	4307.9	4304.8	4304.8	4304.8	4324.0	4342.9	4407.4	4471.4	4535.0	4598.4
32.5°	4082.6	4085.6	4082.6	4080.7	4079.1	4091.6	4104.0	4155.1	4206.3	4264.8	4323.1
35°	3847.1	3845.1	3847.1	3851.2	3855.2	3874.0	3893.0	3940.1	3987.4	4028.8	4070.4
37.5°	3608.6	3598.4	3608.6	3626.8	3644.9	3679.1	3713.6	3757.2	3800.6	3819.8	3838.9
40°	3381.9	3361.9	3381.9	3415.3	3449.1	3498.9	3549.1	3586.0	3622.9	3618.4	3613.6
42.5°	3159.7	3127.5	3159.7	3208.8	3258.0	3320.1	3382.3	3413.2	3444.4	3421.0	3397.6
45°	2960.7	2923.6	2960.7	3018.3	3076.0	3147.1	3218.2	3246.1	3274.3	3240.5	3206.9
47.5°	2855.2	2819.6	2855.2	2908.4	2961.8	3025.1	3088.3	3107.9	3127.5	3088.7	3050.0
50°	2811.1	2776.7	2811.1	2860.4	2909.7	2960.3	3010.8	3011.7	3012.9	2963.1	2913.4
52.5°	2788.0	2756.4	2788.0	2832.0	2876.3	2917.5	2958.7	2948.0	2937.4	2878.5	2819.6
55°	2760.4	2731.9	2760.4	2799.2	2837.9	2873.8	2909.7	2895.0	2880.4	2817.7	2755.4
57.5°	2708.5	2678.9	2708.5	2747.0	2785.3	2821.6	2857.9	2843.0	2828.2	2765.3	2702.3
60°	2636.1	2605.5	2636.1	2675.7	2715.2	2750.5	2786.0	2769.7	2753.4	2690.1	2627.0
62.5°	2524.0	2487.3	2524.0	2565.6	2607.2	2639.2	2671.1	2655.5	2639.8	2581.9	2524.0
65°	2374.1	2342.5	2374.1	2414.3	2454.7	2485.4	2516.2	2500.3	2484.2	2433.2	2382.3
67.5°	2208.0	2179.5	2208.0	2245.5	2283.0	2311.2	2339.5	2324.0	2308.3	2264.2	2220.1
70°	2032.7	2000.0	2032.7	2068.6	2104.4	2127.4	2150.4	2135.4	2120.3	2080.5	2040.8
72.5°	1835.9	1804.3	1835.9	1869.9	1904.1	1923.3	1942.5	1924.5	1906.6	1867.7	1828.8
75°	1618.4	1588.1	1618.4	1647.1	1675.9	1685.2	1694.6	1675.9	1657.1	1621.7	1586.2
77.5°	1369.6	1345.6	1369.6	1398.6	1427.5	1440.9	1454.1	1436.5	1419.0	1381.9	1344.6
80°	1093.2	1048.0	1093.2	1132.3	1171.3	1176.8	1182.4	1159.3	1136.0	1107.8	1079.5
82.5°	811.8	782.9	811.8	844.9	877.7	880.4	882.7	843.3	803.7	743.3	683.0
85°	501.1	475.0	501.1	526.8	552.5	556.6	560.7	511.7	462.8	406.1	349.6
87.5°	206.3	193.7	206.3	219.8	232.8	238.1	243.0	223.2	203.5	179.6	156.0
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°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	5016.6	5047.5	5078.4	5109.1	5144.2	5179.4	5218.4	5257.5	5305.8	5349.3	5394.2
5°	4780.7	4830.2	4884.8	4939.5	5001.3	5063.2	5137.2	5211.0	5295.7	5381.2	5472.0
7.5°	4636.5	4697.3	4766.1	4834.9	4916.4	4998.0	5096.1	5194.3	5303.8	5420.6	5547.2
10°	4615.7	4684.0	4758.3	4832.3	4913.7	4995.3	5098.9	5202.5	5320.1	5464.3	5614.3
12.5°	4748.4	4819.1	4877.1	4935.4	4989.2	5043.4	5127.9	5212.6	5322.1	5473.6	5643.0
15°	5011.4	5072.8	5087.9	5103.0	5095.7	5088.3	5128.7	5169.3	5256.9	5424.7	5620.8
17.5°	5288.9	5338.4	5291.4	5244.1	5155.1	5066.3	5051.6	5036.7	5090.8	5288.1	5524.0
20°	5443.1	5465.9	5367.0	5268.1	5113.6	4959.3	4890.0	4820.6	4834.9	5064.6	5357.0
22.5°	5404.3	5390.5	5261.8	5133.2	4956.6	4780.5	4677.9	4575.4	4547.4	4809.0	5161.1
25°	5191.4	5144.2	5017.6	4891.0	4732.3	4574.0	4455.7	4337.4	4262.0	4530.1	4942.3
27.5°	4873.9	4821.2	4719.7	4618.1	4488.1	4357.8	4243.6	4129.5	4037.8	4281.7	4742.4
30°	4555.6	4512.8	4428.4	4344.2	4236.1	4128.1	4037.2	3946.6	3874.6	4079.5	4575.2
32.5°	4275.5	4227.9	4147.0	4066.3	3979.9	3893.6	3840.0	3786.3	3754.4	3919.5	4431.0
35°	4013.3	3956.2	3876.0	3796.2	3730.5	3664.7	3649.7	3635.1	3648.4	3785.9	4289.3
37.5°	3768.4	3697.9	3617.9	3538.2	3491.2	3443.9	3460.2	3476.5	3525.0	3645.3	4122.5
40°	3532.4	3451.2	3374.1	3297.0	3263.0	3229.0	3265.9	3302.8	3377.2	3486.2	3923.6
42.5°	3309.9	3222.2	3149.0	3076.0	3048.1	3020.4	3069.4	3118.3	3212.0	3312.6	3704.0
45°	3116.0	3025.1	2955.8	2886.5	2862.8	2839.6	2887.1	2934.8	3025.5	3127.5	3470.8
47.5°	2960.3	2870.5	2802.9	2735.0	2713.2	2691.1	2731.1	2771.1	2849.2	2980.6	3286.3
50°	2833.0	2752.7	2688.9	2624.9	2590.4	2556.1	2591.4	2627.0	2717.7	2890.5	3163.8
52.5°	2744.5	2669.7	2611.2	2552.6	2501.1	2449.5	2484.4	2519.4	2646.2	2845.1	3083.0
55°	2689.9	2624.3	2561.1	2497.8	2424.8	2351.7	2406.9	2462.4	2653.4	2838.3	3024.5
57.5°	2637.3	2572.4	2498.2	2424.0	2345.4	2266.7	2347.5	2428.1	2660.6	2823.7	2955.2
60°	2560.9	2495.1	2409.8	2324.6	2255.7	2186.5	2291.4	2395.9	2638.1	2745.8	2849.2
62.5°	2453.6	2383.3	2283.8	2184.5	2140.7	2096.8	2227.5	2358.4	2583.1	2596.3	2664.8
65°	2315.0	2247.7	2141.1	2034.6	2017.9	2001.0	2140.3	2279.3	2450.6	2448.9	2481.3
67.5°	2156.6	2092.7	1994.3	1896.0	1901.4	1906.6	2022.4	2138.3	2234.5	2238.9	2221.0
70°	1985.7	1930.7	1844.3	1757.8	1776.1	1794.5	1876.9	1959.2	1990.9	1990.9	1907.0
72.5°	1779.0	1729.3	1661.4	1593.3	1620.0	1646.9	1703.3	1759.8	1759.4	1739.4	1620.6
75°	1541.1	1496.0	1445.5	1394.9	1420.8	1446.5	1490.1	1533.5	1541.3	1449.1	1315.8
77.5°	1305.8	1267.1	1226.1	1184.9	1211.0	1237.1	1271.9	1306.9	1310.9	1159.1	1029.6
80°	1046.9	1014.2	980.2	946.0	968.0	989.8	1019.2	1048.4	1049.0	867.5	758.0
82.5°	694.4	705.8	708.7	711.6	727.0	742.5	756.8	771.0	762.5	607.5	526.8
85°	381.2	412.9	427.7	442.4	459.7	477.0	492.3	507.7	496.4	381.2	322.2
87.5°	180.2	204.3	204.9	205.5	208.8	212.1	218.1	224.3	210.0	162.1	137.9
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):

	330°	335°	340°	345°	350°	355°	360°
0°	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0	5313.0
2.5°	5439.0	5485.9	5532.7	5579.3	5625.9	5669.8	5713.6
5°	5562.7	5659.7	5757.0	5853.5	5950.1	6046.9	6143.7
7.5°	5673.8	5817.6	5961.3	6108.9	6256.5	6416.1	6576.0
10°	5764.0	5938.6	6113.2	6308.1	6503.2	6705.2	6907.3
12.5°	5812.5	6018.4	6224.3	6445.3	6666.3	6888.1	7110.1
15°	5817.0	6054.1	6291.1	6530.9	6770.6	7002.1	7233.4
17.5°	5759.9	6035.1	6310.3	6571.9	6833.5	7068.1	7302.8
20°	5649.4	5982.9	6316.5	6603.9	6891.4	7135.4	7379.3
22.5°	5513.2	5918.9	6324.6	6647.1	6969.5	7218.8	7467.9
25°	5354.8	5855.7	6356.8	6725.4	7093.8	7337.9	7582.1
27.5°	5202.9	5813.5	6424.1	6847.7	7271.1	7504.2	7737.0
30°	5070.8	5793.7	6516.2	7006.2	7496.0	7720.9	7946.0
32.5°	4942.3	5769.2	6595.8	7171.5	7747.3	7969.9	8192.7
35°	4792.7	5723.2	6654.1	7359.9	8065.7	8279.1	8492.4
37.5°	4599.8	5644.3	6688.7	7570.9	8453.1	8725.0	8996.9
40°	4360.9	5535.6	6710.6	7838.8	8966.8	9363.2	9759.4
42.5°	4095.4	5423.5	6751.9	8189.2	9626.6	10198.6	10770.7
45°	3814.1	5319.3	6824.7	8650.4	10476.1	11247.7	12019.5
47.5°	3591.9	5233.2	6874.7	9141.8	11408.9	12495.1	13581.1
50°	3436.9	5139.5	6842.1	9597.6	12353.2	13990.7	15628.0
52.5°	3321.1	4981.1	6641.2	9893.6	13145.8	15561.8	17977.7
55°	3210.6	4718.5	6226.4	9828.4	13430.3	16954.6	20479.2
57.5°	3086.7	4348.3	5609.6	9369.2	13129.1	17941.8	22754.5
60°	2952.5	3867.5	4782.4	8514.8	12247.1	18188.4	24129.6
62.5°	2733.6	3292.2	3850.8	7359.5	10868.2	17149.7	23431.3
65°	2513.8	2774.6	3035.3	6180.6	9326.3	15680.0	22033.7
67.5°	2202.8	2277.0	2351.0	5025.9	7700.7	13931.0	20161.1
70°	1823.1	1802.1	1780.8	3957.2	6133.6	12022.5	17911.4
72.5°	1501.5	1437.6	1373.7	3025.3	4676.9	9953.6	15230.5
75°	1182.4	1124.5	1066.7	2195.8	3324.8	7581.9	11839.0
77.5°	900.2	860.6	821.2	1487.9	2154.5	5306.6	8458.7
80°	648.3	632.0	615.7	958.6	1301.8	3419.0	5536.2
82.5°	446.1	442.8	439.9	589.6	739.6	1978.8	3218.2
85°	263.0	264.7	266.1	315.2	364.5	890.1	1415.9
87.5°	113.8	115.2	116.6	130.7	144.7	291.5	438.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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