

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: P966795

Luminaire Tested: **NVN-SB4C-827-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P966795  
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-SB4C-827-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

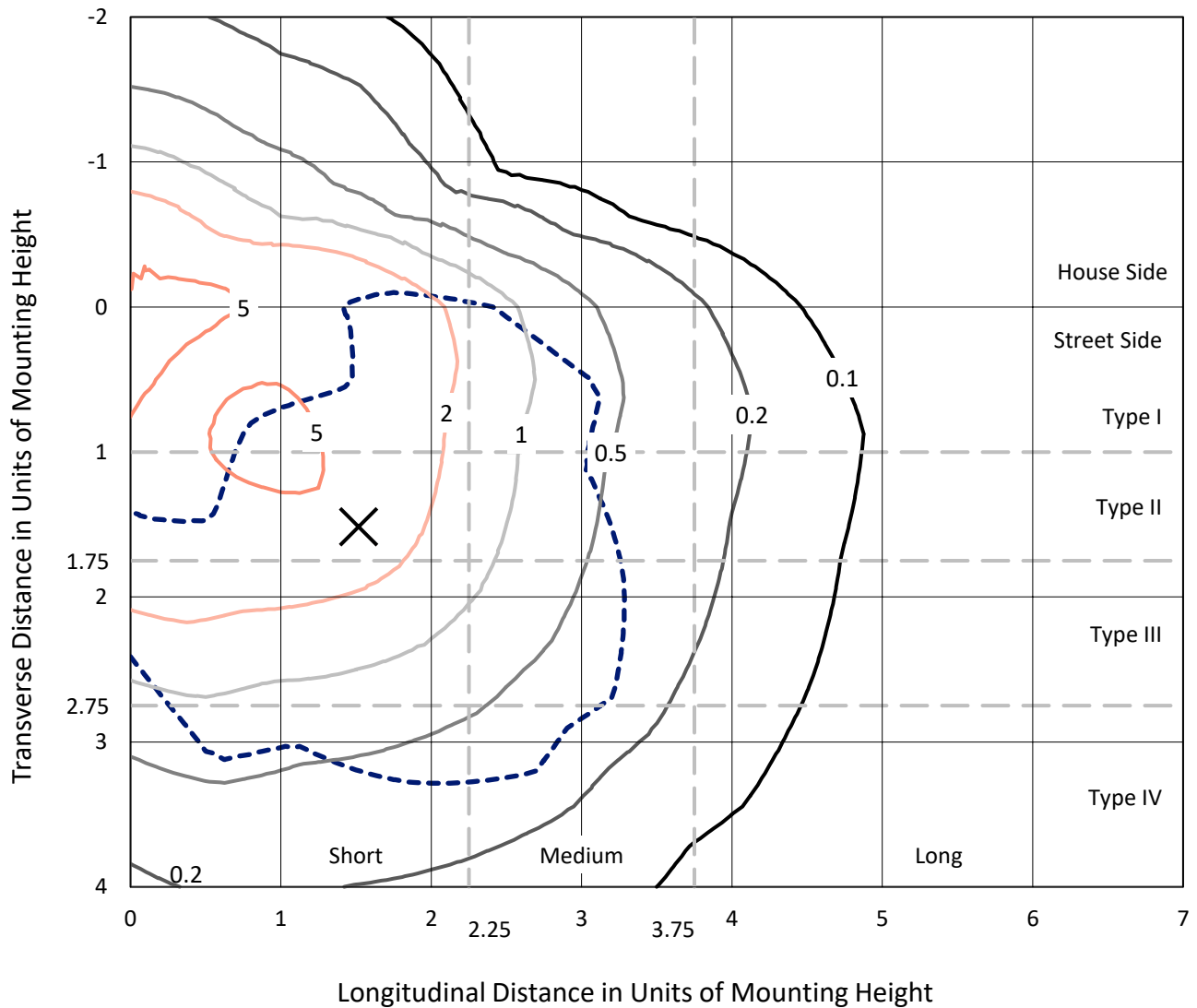
Lumens per Lamp: N/A  
Luminaire Lumens: 26656.1 lumens  
Efficiency: N/A  
Efficacy: 132.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

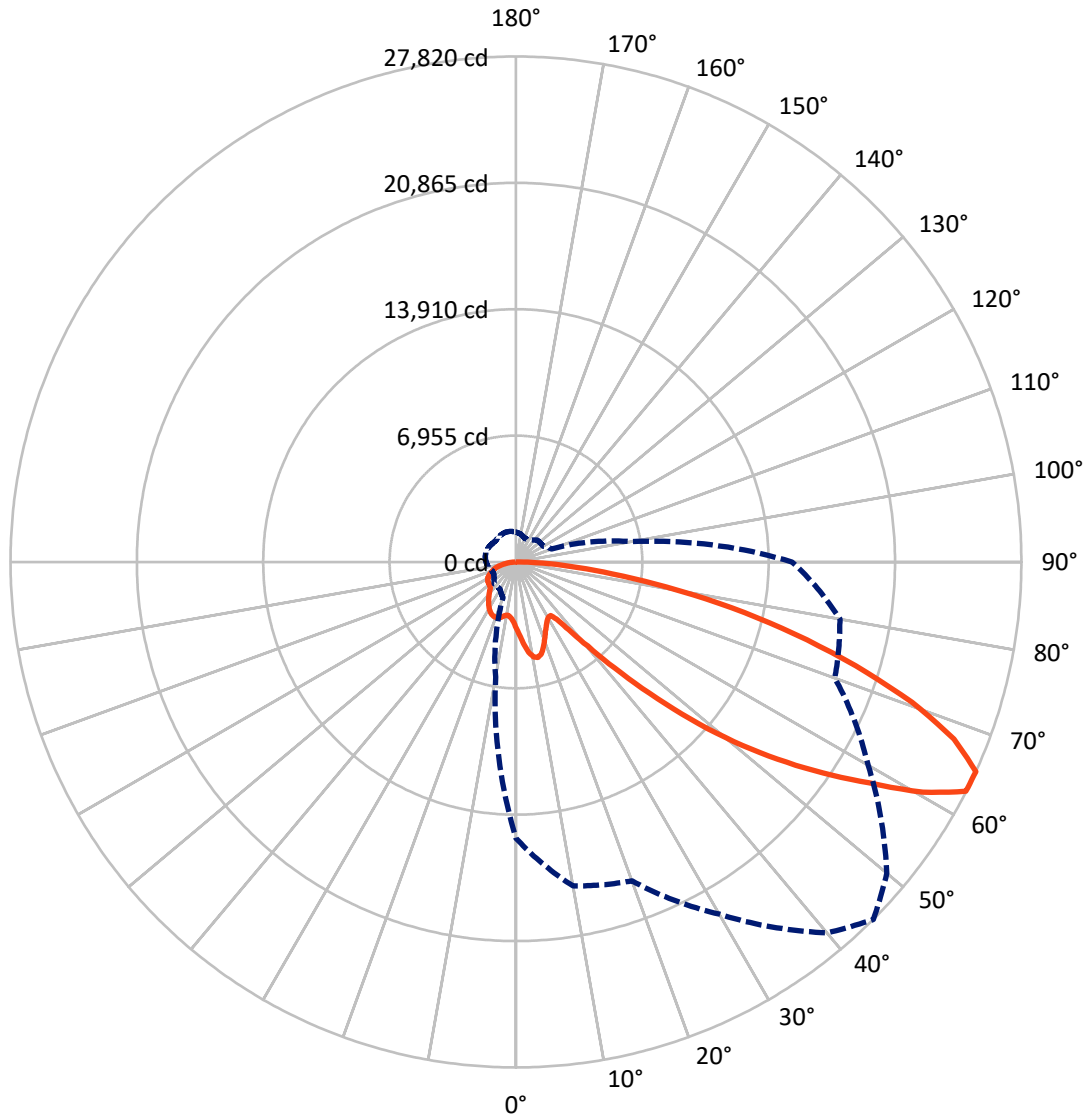
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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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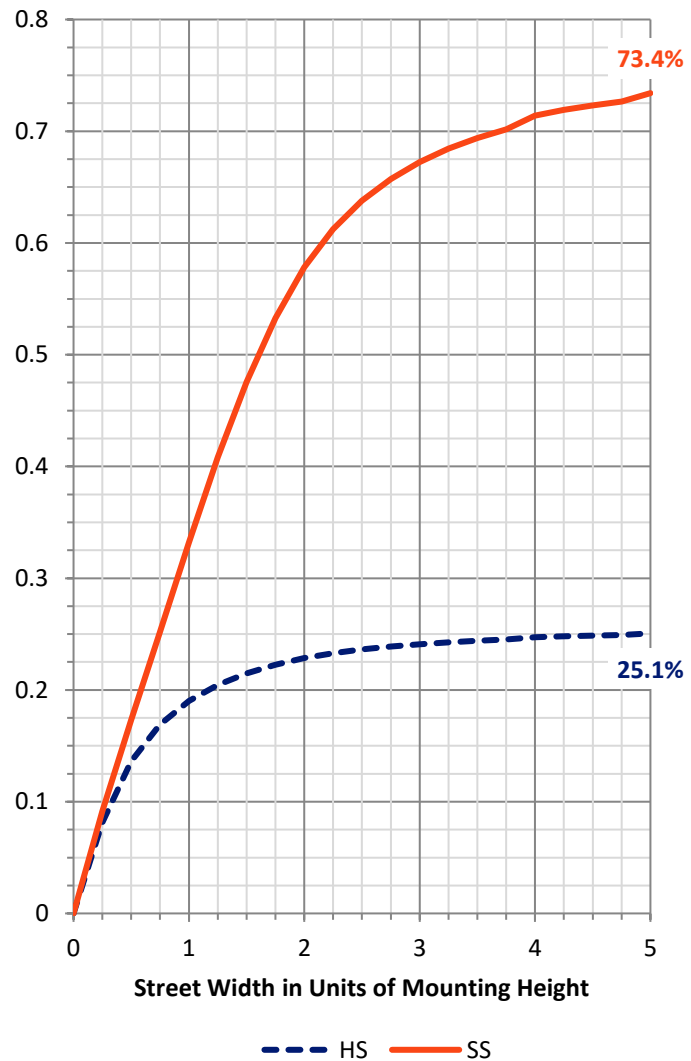
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6774.7	0.0	6774.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	19881.5	0.0	19881.5
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	26656.1	0.0	26656.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.6	1.4
10°-20°	1141.4	4.3
20°-30°	1763.1	6.6
30°-40°	2234.3	8.4
40°-50°	3369.9	12.6
50°-60°	5444.7	20.4
60°-70°	6787.6	25.5
70°-80°	4451.0	16.7
80°-90°	1100.4	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°	26656.1	100.0
0°-180°	26656.1	100.0



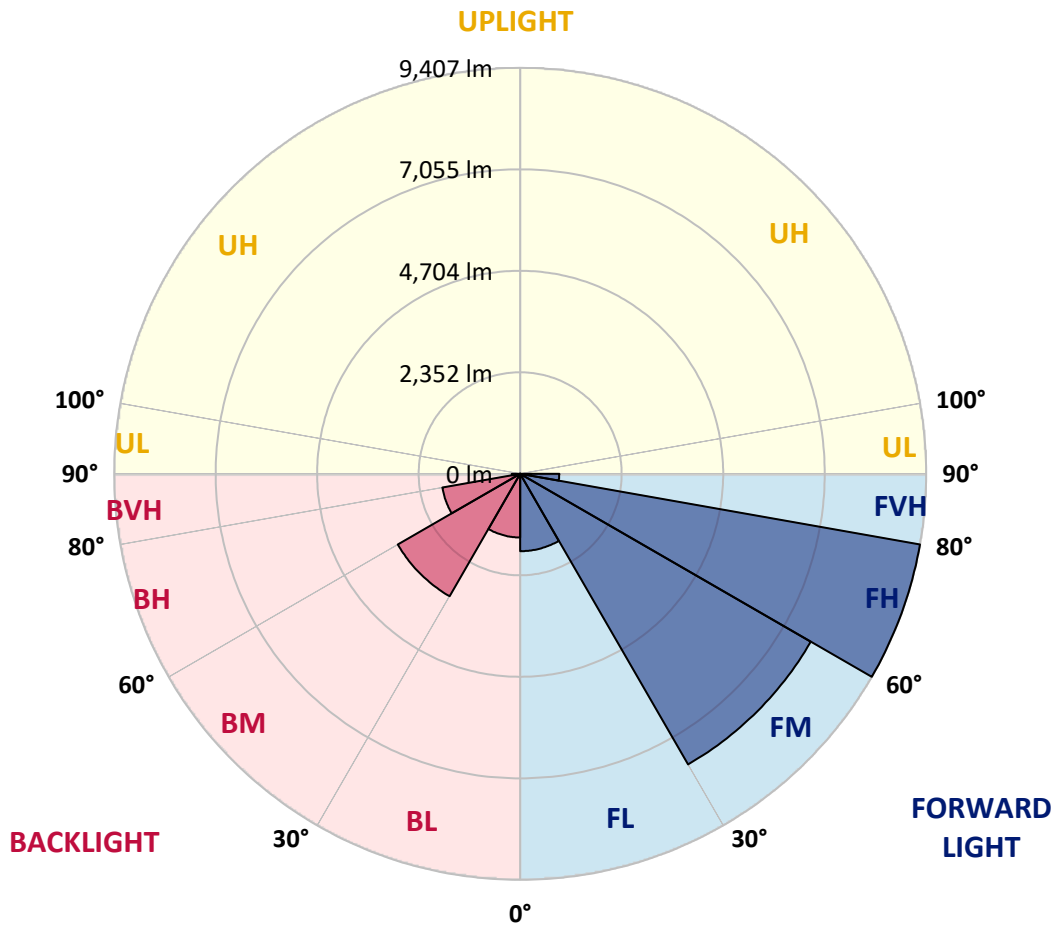
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.9	6.7			
FM (30°-60°)	7775.0	29.2			
FH (60°-80°)	9407.1	35.3			G4/12000
FVH (80°-90°)	906.5	3.4			G5
BL (0°-30°)	1475.3	5.5	B3/2500		
BM (30°-60°)	3273.9	12.3	B3/5000		
BH (60°-80°)	1831.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	193.9	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°	50°
0°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	3941.8	3956.7	3971.8	3993.0	4014.3	4026.9	4039.6	4045.9	4052.2	4049.5	4052.2
5°	4238.6	4290.8	4343.1	4394.9	4446.8	4474.9	4503.0	4520.0	4537.3	4550.2	4537.3
7.5°	4536.8	4621.7	4706.6	4783.0	4859.3	4905.3	4951.3	4976.2	5001.0	5013.0	5001.0
10°	4765.3	4865.8	4966.2	5055.8	5145.4	5199.7	5253.7	5277.9	5301.9	5311.1	5301.9
12.5°	4905.3	5014.2	5123.0	5203.9	5284.7	5324.1	5363.4	5376.6	5389.9	5391.3	5389.9
15°	4990.4	5084.4	5178.2	5228.9	5279.9	5281.3	5282.6	5268.6	5254.6	5238.0	5254.6
17.5°	5038.3	5101.6	5165.1	5166.1	5166.9	5109.9	5053.0	5000.9	4948.5	4911.7	4948.5
20°	5091.0	5113.1	5135.2	5068.5	5001.7	4875.9	4750.2	4658.6	4567.1	4510.8	4567.1
22.5°	5152.2	5123.2	5094.2	4955.8	4817.4	4632.5	4447.5	4333.0	4218.5	4156.4	4218.5
25°	5230.9	5139.6	5048.1	4837.9	4627.8	4403.2	4178.5	4058.2	3938.0	3879.2	3938.0
27.5°	5337.8	5174.4	5010.8	4732.4	4454.2	4205.3	3956.3	3837.9	3719.6	3664.1	3719.6
30°	5482.0	5238.3	4994.6	4652.0	4309.4	4050.0	3790.7	3680.8	3570.9	3519.1	3570.9
32.5°	5652.2	5318.4	4984.8	4597.1	4209.5	3965.7	3722.0	3635.8	3549.4	3512.2	3549.4
35°	5859.0	5450.5	5042.2	4638.2	4234.4	4065.0	3895.8	3875.7	3855.6	3852.6	3855.6
37.5°	6207.1	5726.6	5246.2	4879.0	4511.9	4501.0	4490.0	4582.0	4673.9	4721.8	4673.9
40°	6733.1	6210.6	5688.0	5415.1	5142.0	5334.7	5527.4	5751.1	5974.7	6086.1	5974.7
42.5°	7430.7	6912.3	6393.8	6236.6	6079.4	6499.6	6919.9	7326.7	7733.4	7972.2	7733.4
45°	8292.2	7826.6	7360.7	7291.3	7221.8	7895.2	8568.7	9237.1	9905.6	10311.4	9905.6
47.5°	9369.7	8916.7	8463.4	8449.4	8435.3	9406.6	10377.7	11356.3	12334.6	12909.3	12334.6
50°	10781.9	10222.2	9662.7	9665.0	9667.5	10919.2	12171.1	13462.8	14754.4	15535.3	14754.4
52.5°	12402.9	11725.2	11047.7	10979.2	10910.5	12405.9	13901.2	15499.2	17097.2	18033.2	17097.2
55°	14128.7	13459.2	12789.6	12522.6	12255.5	13919.7	15583.8	17489.0	19394.1	20507.4	19394.1
57.5°	15698.4	15333.9	14969.1	14433.3	13897.8	15578.2	17258.5	19416.5	21574.3	22954.8	21574.3
60°	16647.1	17213.4	17779.9	17114.5	16449.2	18039.5	19629.7	21940.1	24250.5	25742.6	24250.5
62.5°	16165.4	17712.7	19260.1	19185.1	19110.0	20566.7	22023.7	24221.8	26419.8	27798.9	26419.8
65°	15201.2	16653.5	18105.7	18393.1	18680.3	20531.6	22383.0	24514.5	26645.8	27820.0	26645.8
67.5°	13909.2	15290.5	16671.7	16806.5	16941.1	18870.0	20798.8	22939.4	25080.1	25999.9	25080.1
70°	12357.2	13859.5	15362.0	15422.1	15482.5	17207.5	18932.4	20774.5	22616.5	23127.8	22616.5
72.5°	10507.6	12231.5	13955.7	13999.0	14042.2	15391.8	16741.3	18121.1	19500.6	19552.4	19500.6
75°	8167.8	9952.1	11736.5	11896.7	12056.9	13106.9	14156.9	15128.1	16099.3	15839.1	16099.3
77.5°	5835.7	7501.4	9167.2	9396.4	9625.7	10423.8	11222.1	11910.9	12599.8	12152.5	12599.8
80°	3819.5	5220.8	6622.0	6907.0	7191.9	7794.8	8397.3	8759.1	9120.8	8401.3	9120.8
82.5°	2220.3	3178.2	4136.4	4454.6	4773.1	5188.0	5603.0	5753.8	5904.6	5339.2	5904.6
85°	976.8	1485.3	1993.7	2264.5	2535.3	2876.3	3217.1	3302.7	3388.3	2935.5	3388.3
87.5°	302.4	473.3	644.2	795.3	946.3	1116.8	1287.3	1294.6	1301.8	1092.9	1301.8
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°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	4045.9	4039.6	4026.9	4014.3	3993.0	3971.8	3956.7	3941.8	3911.6	3881.4	3849.2
5°	4520.0	4503.0	4474.9	4446.8	4394.9	4343.1	4290.8	4238.6	4171.9	4105.0	4038.3
7.5°	4976.2	4951.3	4905.3	4859.3	4783.0	4706.6	4621.7	4536.8	4426.6	4316.4	4214.6
10°	5277.9	5253.7	5199.7	5145.4	5055.8	4966.2	4865.8	4765.3	4625.9	4486.6	4351.9
12.5°	5376.6	5363.4	5324.1	5284.7	5203.9	5123.0	5014.2	4905.3	4752.1	4599.1	4446.7
15°	5268.6	5282.6	5281.3	5279.9	5228.9	5178.2	5084.4	4990.4	4830.7	4671.1	4505.7
17.5°	5000.9	5053.0	5109.9	5166.9	5166.1	5165.1	5101.6	5038.3	4876.3	4714.5	4534.0
20°	4658.6	4750.2	4875.9	5001.7	5068.5	5135.2	5113.1	5091.0	4922.8	4754.4	4556.0
22.5°	4333.0	4447.5	4632.5	4817.4	4955.8	5094.2	5123.2	5152.2	4980.3	4808.3	4585.8
25°	4058.2	4178.5	4403.2	4627.8	4837.9	5048.1	5139.6	5230.9	5062.5	4894.1	4639.9
27.5°	3837.9	3956.3	4205.3	4454.2	4732.4	5010.8	5174.4	5337.8	5177.2	5016.5	4724.3
30°	3680.8	3790.7	4050.0	4309.4	4652.0	4994.6	5238.3	5482.0	5326.7	5171.5	4833.6
32.5°	3635.8	3722.0	3965.7	4209.5	4597.1	4984.8	5318.4	5652.2	5498.4	5344.9	4947.7
35°	3875.7	3895.8	4065.0	4234.4	4638.2	5042.2	5450.5	5859.0	5711.8	5564.5	5077.6
37.5°	4582.0	4490.0	4501.0	4511.9	4879.0	5246.2	5726.6	6207.1	6019.4	5831.8	5223.2
40°	5751.1	5527.4	5334.7	5142.0	5415.1	5688.0	6210.6	6733.1	6459.7	6186.3	5408.0
42.5°	7326.7	6919.9	6499.6	6079.4	6236.6	6393.8	6912.3	7430.7	7036.1	6641.4	5649.8
45°	9237.1	8568.7	7895.2	7221.8	7291.3	7360.7	7826.6	8292.2	7759.9	7227.5	5968.0
47.5°	11356.3	10377.7	9406.6	8435.3	8449.4	8463.4	8916.7	9369.7	8620.5	7871.0	6306.9
50°	13462.8	12171.1	10919.2	9667.5	9665.0	9662.7	10222.2	10781.9	9652.2	8522.6	6621.4
52.5°	15499.2	13901.2	12405.9	10910.5	10979.2	11047.7	11725.2	12402.9	10736.2	9069.4	6825.7
55°	17489.0	15583.8	13919.7	12255.5	12522.6	12789.6	13459.2	14128.7	11697.1	9265.6	6780.7
57.5°	19416.5	17258.5	15578.2	13897.8	14433.3	14969.1	15333.9	15698.4	12378.1	9057.8	6464.0
60°	21940.1	19629.7	18039.5	16449.2	17114.5	17779.9	17213.4	16647.1	12548.4	8449.4	5874.4
62.5°	24221.8	22023.7	20566.7	19110.0	19185.1	19260.1	17712.7	16165.4	11831.7	7498.0	5077.3
65°	24514.5	22383.0	20531.6	18680.3	18393.1	18105.7	16653.5	15201.2	10817.7	6434.2	4264.1
67.5°	22939.4	20798.8	18870.0	16941.1	16806.5	16671.7	15290.5	13909.2	9611.0	5312.8	3467.4
70°	20774.5	18932.4	17207.5	15482.5	15422.1	15362.0	13859.5	12357.2	8294.4	4231.6	2730.1
72.5°	18121.1	16741.3	15391.8	14042.2	13999.0	13955.7	12231.5	10507.6	6867.0	3226.6	2087.2
75°	15128.1	14156.9	13106.9	12056.9	11896.7	11736.5	9952.1	8167.8	5230.8	2293.7	1514.8
77.5°	11910.9	11222.1	10423.8	9625.7	9396.4	9167.2	7501.4	5835.7	3661.1	1486.5	1026.5
80°	8759.1	8397.3	7794.8	7191.9	6907.0	6622.0	5220.8	3819.5	2358.7	898.1	661.3
82.5°	5753.8	5603.0	5188.0	4773.1	4454.6	4136.4	3178.2	2220.3	1365.2	510.2	406.8
85°	3302.7	3217.1	2876.3	2535.3	2264.5	1993.7	1485.3	976.8	614.1	251.5	217.4
87.5°	1294.6	1287.3	1116.8	946.3	795.3	644.2	473.3	302.4	201.1	99.8	90.2
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°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	3817.1	3784.7	3752.4	3721.5	3690.5	3660.5	3627.2	3600.2	3573.4	3549.0	3524.8
5°	3971.8	3904.7	3837.7	3775.2	3712.6	3653.5	3595.1	3544.2	3493.1	3450.4	3407.8
7.5°	4112.7	4013.6	3914.4	3827.0	3739.7	3659.1	3583.6	3515.7	3448.1	3391.8	3335.7
10°	4217.6	4097.1	3976.6	3873.4	3769.8	3670.4	3589.2	3517.8	3446.4	3390.1	3333.8
12.5°	4294.1	4152.1	4010.0	3893.2	3776.3	3671.8	3596.2	3537.7	3479.5	3442.1	3404.9
15°	4340.3	4176.8	4013.2	3877.9	3742.5	3626.8	3566.3	3538.3	3510.4	3515.5	3520.6
17.5°	4353.5	4163.7	3973.7	3811.1	3648.3	3512.2	3474.9	3485.1	3495.2	3556.5	3617.9
20°	4357.8	4127.7	3897.6	3695.8	3494.1	3335.7	3325.8	3373.6	3421.4	3527.8	3634.5
22.5°	4363.4	4083.5	3803.6	3560.6	3317.7	3137.3	3156.6	3227.3	3298.0	3419.6	3541.4
25°	4385.6	4039.8	3694.3	3409.8	3125.3	2940.4	2992.4	3074.0	3155.6	3264.8	3374.3
27.5°	4432.0	4010.7	3589.4	3271.8	2954.0	2785.6	2849.0	2927.7	3006.5	3096.3	3186.1
30°	4495.5	3997.1	3498.3	3156.4	2814.4	2673.1	2722.8	2785.2	2848.0	2922.5	2997.1
32.5°	4550.5	3980.3	3409.8	3057.0	2704.1	2590.2	2612.2	2649.2	2686.2	2745.7	2805.3
35°	4590.7	3948.4	3306.5	2959.2	2611.9	2517.0	2507.9	2518.0	2528.3	2573.7	2619.0
37.5°	4614.5	3894.0	3173.4	2844.2	2514.9	2431.9	2398.4	2387.2	2376.0	2408.5	2441.0
40°	4629.6	3819.0	3008.6	2706.9	2405.2	2329.9	2278.6	2253.2	2227.6	2251.2	2274.7
42.5°	4658.2	3741.7	2825.4	2555.4	2285.3	2216.0	2151.3	2117.5	2083.8	2102.9	2122.2
45°	4708.4	3669.8	2631.4	2394.5	2157.6	2087.3	2024.7	1991.8	1959.1	1975.1	1991.4
47.5°	4742.9	3610.5	2478.0	2267.2	2056.4	1965.6	1911.7	1884.2	1856.7	1871.9	1886.9
50°	4720.3	3545.8	2371.1	2182.6	1994.2	1874.9	1812.3	1787.9	1763.5	1787.2	1811.0
52.5°	4581.9	3436.4	2291.3	2127.0	1962.9	1825.7	1738.2	1714.0	1689.9	1725.6	1761.0
55°	4295.6	3255.3	2215.0	2086.6	1958.2	1830.6	1698.8	1660.6	1622.5	1672.9	1723.3
57.5°	3870.1	2999.9	2129.5	2038.8	1948.0	1835.6	1675.2	1619.5	1563.8	1618.1	1672.4
60°	3299.5	2668.2	2037.0	1965.6	1894.3	1820.1	1653.0	1580.9	1508.5	1556.2	1603.7
62.5°	2656.7	2271.3	1885.9	1838.5	1791.2	1782.1	1627.1	1536.8	1446.6	1476.8	1507.2
65°	2094.1	1914.2	1734.3	1711.9	1689.5	1690.6	1572.6	1476.6	1380.6	1392.2	1403.7
67.5°	1622.1	1571.0	1519.8	1532.3	1544.7	1541.6	1475.2	1395.3	1315.4	1311.7	1308.1
70°	1228.6	1243.2	1257.8	1315.7	1373.5	1373.5	1351.7	1294.9	1238.0	1225.4	1212.7
72.5°	947.7	991.8	1036.0	1118.1	1200.1	1213.8	1214.1	1175.2	1136.2	1117.7	1099.2
75°	735.9	775.8	815.8	907.7	999.8	1063.3	1058.0	1028.1	997.9	980.2	962.4
77.5°	566.5	593.7	620.9	710.3	799.6	904.4	901.6	877.5	853.5	835.5	817.4
80°	424.8	436.0	447.3	523.0	598.5	723.6	723.2	703.2	682.9	667.8	652.6
82.5°	303.5	305.4	307.7	363.5	419.1	526.0	532.0	522.1	512.3	501.5	490.9
85°	183.6	182.6	181.4	222.2	263.0	342.5	350.2	339.7	329.1	317.1	305.2
87.5°	80.5	79.4	78.5	95.1	111.8	144.8	154.7	150.5	146.3	144.0	141.8
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):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	3503.6	3482.3	3460.9	3439.7	3423.2	3406.7	3393.3	3379.9	3369.5	3359.1	3349.5
5°	3370.1	3332.4	3298.2	3263.9	3237.6	3211.1	3192.7	3174.3	3161.2	3148.1	3138.1
7.5°	3288.2	3240.6	3198.7	3157.0	3125.6	3094.4	3072.4	3050.5	3035.4	3020.6	3011.6
10°	3282.8	3231.5	3184.4	3137.3	3099.9	3062.3	3037.9	3013.1	2998.8	2984.7	2977.1
12.5°	3364.8	3324.8	3276.0	3227.3	3179.4	3131.7	3100.0	3068.3	3052.4	3036.8	3030.2
15°	3510.2	3499.8	3457.4	3415.1	3347.0	3279.0	3230.8	3182.7	3160.7	3138.7	3130.2
17.5°	3650.5	3683.0	3648.9	3614.8	3524.7	3434.5	3363.6	3292.7	3260.1	3227.3	3216.7
20°	3702.7	3771.0	3755.2	3739.3	3636.2	3533.3	3446.4	3359.5	3317.7	3275.8	3262.5
22.5°	3630.1	3718.9	3728.4	3737.9	3639.5	3541.0	3451.5	3361.9	3317.9	3273.7	3259.0
25°	3461.6	3549.0	3581.7	3614.2	3533.4	3452.8	3373.2	3293.8	3255.6	3217.5	3203.5
27.5°	3256.1	3326.2	3362.5	3398.9	3341.4	3284.0	3222.3	3160.5	3134.9	3109.1	3102.9
30°	3055.1	3113.3	3143.0	3172.5	3128.7	3084.8	3040.7	2996.2	2983.2	2969.9	2969.9
32.5°	2861.1	2916.8	2949.6	2982.5	2942.4	2902.0	2866.7	2831.4	2822.7	2814.2	2815.4
35°	2674.1	2729.4	2768.7	2808.2	2779.5	2750.9	2718.3	2685.8	2672.7	2659.8	2657.0
37.5°	2496.1	2551.2	2599.8	2648.5	2635.3	2622.1	2592.1	2562.0	2538.2	2514.6	2502.1
40°	2327.9	2381.0	2436.9	2493.1	2496.3	2499.5	2473.9	2448.5	2413.9	2379.6	2356.3
42.5°	2172.6	2223.0	2283.5	2344.0	2360.2	2376.4	2354.8	2333.4	2290.6	2247.6	2213.8
45°	2039.2	2087.0	2149.7	2212.5	2235.7	2258.9	2239.5	2220.3	2171.2	2122.2	2082.4
47.5°	1933.8	1980.4	2042.3	2104.2	2130.9	2157.6	2144.1	2130.7	2087.0	2043.4	2006.5
50°	1855.0	1899.1	1954.6	2009.9	2044.3	2078.6	2077.8	2077.2	2042.3	2007.5	1973.3
52.5°	1801.5	1841.8	1893.5	1945.2	1985.9	2026.5	2033.9	2041.2	2012.8	1984.4	1953.9
55°	1766.9	1810.5	1855.8	1901.0	1944.0	1987.2	1997.3	2007.5	1982.7	1958.0	1931.2
57.5°	1723.5	1774.8	1819.5	1864.4	1907.8	1951.2	1961.4	1971.7	1946.7	1921.6	1895.2
60°	1662.6	1721.3	1766.8	1812.3	1856.0	1899.5	1910.8	1922.1	1897.6	1873.2	1845.9
62.5°	1575.6	1644.2	1692.8	1741.3	1781.2	1821.2	1832.0	1842.8	1820.8	1798.7	1770.0
65°	1477.1	1550.7	1597.2	1643.6	1678.7	1713.9	1725.0	1735.9	1714.7	1693.5	1665.6
67.5°	1375.9	1443.8	1487.9	1531.8	1562.1	1592.4	1603.3	1614.0	1594.5	1575.0	1549.2
70°	1272.3	1332.0	1370.0	1407.9	1435.4	1462.8	1473.2	1483.6	1467.7	1451.8	1427.1
72.5°	1146.2	1193.0	1227.3	1261.7	1288.5	1315.4	1327.8	1340.2	1327.0	1313.7	1290.1
75°	997.2	1032.1	1063.2	1094.3	1118.8	1143.3	1156.2	1169.1	1162.7	1156.2	1136.3
77.5°	845.9	874.1	900.9	927.6	953.4	979.0	991.1	1003.2	994.1	984.8	964.9
80°	676.3	699.8	722.2	744.8	764.3	783.7	799.8	815.8	811.9	808.1	781.2
82.5°	488.9	487.0	479.1	471.2	512.8	554.4	581.8	609.1	607.3	605.5	582.9
85°	295.1	284.8	263.0	241.2	280.1	319.3	353.0	386.8	384.0	381.2	363.5
87.5°	141.3	140.9	124.3	107.6	123.9	140.3	154.1	167.7	164.3	160.6	151.6
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):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	3339.9	3327.9	3339.9	3349.5	3359.1	3369.5	3379.9	3393.3	3406.7	3423.2	3439.7
5°	3128.2	3118.3	3128.2	3138.1	3148.1	3161.2	3174.3	3192.7	3211.1	3237.6	3263.9
7.5°	3002.7	2996.0	3002.7	3011.6	3020.6	3035.4	3050.5	3072.4	3094.4	3125.6	3157.0
10°	2969.5	2966.4	2969.5	2977.1	2984.7	2998.8	3013.1	3037.9	3062.3	3099.9	3137.3
12.5°	3023.7	3022.6	3023.7	3030.2	3036.8	3052.4	3068.3	3100.0	3131.7	3179.4	3227.3
15°	3121.8	3121.1	3121.8	3130.2	3138.7	3160.7	3182.7	3230.8	3279.0	3347.0	3415.1
17.5°	3205.8	3204.1	3205.8	3216.7	3227.3	3260.1	3292.7	3363.6	3434.5	3524.7	3614.8
20°	3249.1	3244.9	3249.1	3262.5	3275.8	3317.7	3359.5	3446.4	3533.3	3636.2	3739.3
22.5°	3244.2	3237.9	3244.2	3259.0	3273.7	3317.9	3361.9	3451.5	3541.0	3639.5	3737.9
25°	3189.8	3181.6	3189.8	3203.5	3217.5	3255.6	3293.8	3373.2	3452.8	3533.4	3614.2
27.5°	3096.5	3094.4	3096.5	3102.9	3109.1	3134.9	3160.5	3222.3	3284.0	3341.4	3398.9
30°	2969.9	2972.0	2969.9	2969.9	2969.9	2983.2	2996.2	3040.7	3084.8	3128.7	3172.5
32.5°	2816.6	2818.7	2816.6	2815.4	2814.2	2822.7	2831.4	2866.7	2902.0	2942.4	2982.5
35°	2654.1	2652.7	2654.1	2657.0	2659.8	2672.7	2685.8	2718.3	2750.9	2779.5	2808.2
37.5°	2489.6	2482.5	2489.6	2502.1	2514.6	2538.2	2562.0	2592.1	2622.1	2635.3	2648.5
40°	2333.2	2319.4	2333.2	2356.3	2379.6	2413.9	2448.5	2473.9	2499.5	2496.3	2493.1
42.5°	2179.9	2157.6	2179.9	2213.8	2247.6	2290.6	2333.4	2354.8	2376.4	2360.2	2344.0
45°	2042.6	2017.0	2042.6	2082.4	2122.2	2171.2	2220.3	2239.5	2258.9	2235.7	2212.5
47.5°	1969.8	1945.2	1969.8	2006.5	2043.4	2087.0	2130.7	2144.1	2157.6	2130.9	2104.2
50°	1939.3	1915.7	1939.3	1973.3	2007.5	2042.3	2077.2	2077.8	2078.6	2044.3	2009.9
52.5°	1923.4	1901.7	1923.4	1953.9	1984.4	2012.8	2041.2	2033.9	2026.5	1985.9	1945.2
55°	1904.4	1884.8	1904.4	1931.2	1958.0	1982.7	2007.5	1997.3	1987.2	1944.0	1901.0
57.5°	1868.6	1848.2	1868.6	1895.2	1921.6	1946.7	1971.7	1961.4	1951.2	1907.8	1864.4
60°	1818.7	1797.5	1818.7	1845.9	1873.2	1897.6	1922.1	1910.8	1899.5	1856.0	1812.3
62.5°	1741.3	1716.0	1741.3	1770.0	1798.7	1820.8	1842.8	1832.0	1821.2	1781.2	1741.3
65°	1637.9	1616.1	1637.9	1665.6	1693.5	1714.7	1735.9	1725.0	1713.9	1678.7	1643.6
67.5°	1523.3	1503.6	1523.3	1549.2	1575.0	1594.5	1614.0	1603.3	1592.4	1562.1	1531.8
70°	1402.3	1379.9	1402.3	1427.1	1451.8	1467.7	1483.6	1473.2	1462.8	1435.4	1407.9
72.5°	1266.6	1244.8	1266.6	1290.1	1313.7	1327.0	1340.2	1327.8	1315.4	1288.5	1261.7
75°	1116.5	1095.7	1116.5	1136.3	1156.2	1162.7	1169.1	1156.2	1143.3	1118.8	1094.3
77.5°	944.9	928.3	944.9	964.9	984.8	994.1	1003.2	991.1	979.0	953.4	927.6
80°	754.2	722.9	754.2	781.2	808.1	811.9	815.8	799.8	783.7	764.3	744.8
82.5°	560.1	540.1	560.1	582.9	605.5	607.3	609.1	581.8	554.4	512.8	471.2
85°	345.7	327.7	345.7	363.5	381.2	384.0	386.8	353.0	319.3	280.1	241.2
87.5°	142.4	133.7	142.4	151.6	160.6	164.3	167.7	154.1	140.3	123.9	107.6
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):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	3460.9	3482.3	3503.6	3524.8	3549.0	3573.4	3600.2	3627.2	3660.5	3690.5	3721.5
5°	3298.2	3332.4	3370.1	3407.8	3450.4	3493.1	3544.2	3595.1	3653.5	3712.6	3775.2
7.5°	3198.7	3240.6	3288.2	3335.7	3391.8	3448.1	3515.7	3583.6	3659.1	3739.7	3827.0
10°	3184.4	3231.5	3282.8	3333.8	3390.1	3446.4	3517.8	3589.2	3670.4	3769.8	3873.4
12.5°	3276.0	3324.8	3364.8	3404.9	3442.1	3479.5	3537.7	3596.2	3671.8	3776.3	3893.2
15°	3457.4	3499.8	3510.2	3520.6	3515.5	3510.4	3538.3	3566.3	3626.8	3742.5	3877.9
17.5°	3648.9	3683.0	3650.5	3617.9	3556.5	3495.2	3485.1	3474.9	3512.2	3648.3	3811.1
20°	3755.2	3771.0	3702.7	3634.5	3527.8	3421.4	3373.6	3325.8	3335.7	3494.1	3695.8
22.5°	3728.4	3718.9	3630.1	3541.4	3419.6	3298.0	3227.3	3156.6	3137.3	3317.7	3560.6
25°	3581.7	3549.0	3461.6	3374.3	3264.8	3155.6	3074.0	2992.4	2940.4	3125.3	3409.8
27.5°	3362.5	3326.2	3256.1	3186.1	3096.3	3006.5	2927.7	2849.0	2785.6	2954.0	3271.8
30°	3143.0	3113.3	3055.1	2997.1	2922.5	2848.0	2785.2	2722.8	2673.1	2814.4	3156.4
32.5°	2949.6	2916.8	2861.1	2805.3	2745.7	2686.2	2649.2	2612.2	2590.2	2704.1	3057.0
35°	2768.7	2729.4	2674.1	2619.0	2573.7	2528.3	2518.0	2507.9	2517.0	2611.9	2959.2
37.5°	2599.8	2551.2	2496.1	2441.0	2408.5	2376.0	2387.2	2398.4	2431.9	2514.9	2844.2
40°	2436.9	2381.0	2327.9	2274.7	2251.2	2227.6	2253.2	2278.6	2329.9	2405.2	2706.9
42.5°	2283.5	2223.0	2172.6	2122.2	2102.9	2083.8	2117.5	2151.3	2216.0	2285.3	2555.4
45°	2149.7	2087.0	2039.2	1991.4	1975.1	1959.1	1991.8	2024.7	2087.3	2157.6	2394.5
47.5°	2042.3	1980.4	1933.8	1886.9	1871.9	1856.7	1884.2	1911.7	1965.6	2056.4	2267.2
50°	1954.6	1899.1	1855.0	1811.0	1787.2	1763.5	1787.9	1812.3	1874.9	1994.2	2182.6
52.5°	1893.5	1841.8	1801.5	1761.0	1725.6	1689.9	1714.0	1738.2	1825.7	1962.9	2127.0
55°	1855.8	1810.5	1766.9	1723.3	1672.9	1622.5	1660.6	1698.8	1830.6	1958.2	2086.6
57.5°	1819.5	1774.8	1723.5	1672.4	1618.1	1563.8	1619.5	1675.2	1835.6	1948.0	2038.8
60°	1766.8	1721.3	1662.6	1603.7	1556.2	1508.5	1580.9	1653.0	1820.1	1894.3	1965.6
62.5°	1692.8	1644.2	1575.6	1507.2	1476.8	1446.6	1536.8	1627.1	1782.1	1791.2	1838.5
65°	1597.2	1550.7	1477.1	1403.7	1392.2	1380.6	1476.6	1572.6	1690.6	1689.5	1711.9
67.5°	1487.9	1443.8	1375.9	1308.1	1311.7	1315.4	1395.3	1475.2	1541.6	1544.7	1532.3
70°	1370.0	1332.0	1272.3	1212.7	1225.4	1238.0	1294.9	1351.7	1373.5	1373.5	1315.7
72.5°	1227.3	1193.0	1146.2	1099.2	1117.7	1136.2	1175.2	1214.1	1213.8	1200.1	1118.1
75°	1063.2	1032.1	997.2	962.4	980.2	997.9	1028.1	1058.0	1063.3	999.8	907.7
77.5°	900.9	874.1	845.9	817.4	835.5	853.5	877.5	901.6	904.4	799.6	710.3
80°	722.2	699.8	676.3	652.6	667.8	682.9	703.2	723.2	723.6	598.5	523.0
82.5°	479.1	487.0	488.9	490.9	501.5	512.3	522.1	532.0	526.0	419.1	363.5
85°	263.0	284.8	295.1	305.2	317.1	329.1	339.7	350.2	342.5	263.0	222.2
87.5°	124.3	140.9	141.3	141.8	144.0	146.3	150.5	154.7	144.8	111.8	95.1
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°	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4	3665.4
2.5°	3752.4	3784.7	3817.1	3849.2	3881.4	3911.6	3941.8
5°	3837.7	3904.7	3971.8	4038.3	4105.0	4171.9	4238.6
7.5°	3914.4	4013.6	4112.7	4214.6	4316.4	4426.6	4536.8
10°	3976.6	4097.1	4217.6	4351.9	4486.6	4625.9	4765.3
12.5°	4010.0	4152.1	4294.1	4446.7	4599.1	4752.1	4905.3
15°	4013.2	4176.8	4340.3	4505.7	4671.1	4830.7	4990.4
17.5°	3973.7	4163.7	4353.5	4534.0	4714.5	4876.3	5038.3
20°	3897.6	4127.7	4357.8	4556.0	4754.4	4922.8	5091.0
22.5°	3803.6	4083.5	4363.4	4585.8	4808.3	4980.3	5152.2
25°	3694.3	4039.8	4385.6	4639.9	4894.1	5062.5	5230.9
27.5°	3589.4	4010.7	4432.0	4724.3	5016.5	5177.2	5337.8
30°	3498.3	3997.1	4495.5	4833.6	5171.5	5326.7	5482.0
32.5°	3409.8	3980.3	4550.5	4947.7	5344.9	5498.4	5652.2
35°	3306.5	3948.4	4590.7	5077.6	5564.5	5711.8	5859.0
37.5°	3173.4	3894.0	4614.5	5223.2	5831.8	6019.4	6207.1
40°	3008.6	3819.0	4629.6	5408.0	6186.3	6459.7	6733.1
42.5°	2825.4	3741.7	4658.2	5649.8	6641.4	7036.1	7430.7
45°	2631.4	3669.8	4708.4	5968.0	7227.5	7759.9	8292.2
47.5°	2478.0	3610.5	4742.9	6306.9	7871.0	8620.5	9369.7
50°	2371.1	3545.8	4720.3	6621.4	8522.6	9652.2	10781.9
52.5°	2291.3	3436.4	4581.9	6825.7	9069.4	10736.2	12402.9
55°	2215.0	3255.3	4295.6	6780.7	9265.6	11697.1	14128.7
57.5°	2129.5	2999.9	3870.1	6464.0	9057.8	12378.1	15698.4
60°	2037.0	2668.2	3299.5	5874.4	8449.4	12548.4	16647.1
62.5°	1885.9	2271.3	2656.7	5077.3	7498.0	11831.7	16165.4
65°	1734.3	1914.2	2094.1	4264.1	6434.2	10817.7	15201.2
67.5°	1519.8	1571.0	1622.1	3467.4	5312.8	9611.0	13909.2
70°	1257.8	1243.2	1228.6	2730.1	4231.6	8294.4	12357.2
72.5°	1036.0	991.8	947.7	2087.2	3226.6	6867.0	10507.6
75°	815.8	775.8	735.9	1514.8	2293.7	5230.8	8167.8
77.5°	620.9	593.7	566.5	1026.5	1486.5	3661.1	5835.7
80°	447.3	436.0	424.8	661.3	898.1	2358.7	3819.5
82.5°	307.7	305.4	303.5	406.8	510.2	1365.2	2220.3
85°	181.4	182.6	183.6	217.4	251.5	614.1	976.8
87.5°	78.5	79.4	80.5	90.2	99.8	201.1	302.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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