

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: P951415

Luminaire Tested: **GALN-SB5C-827-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951415
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-SB5C-827-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32778 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

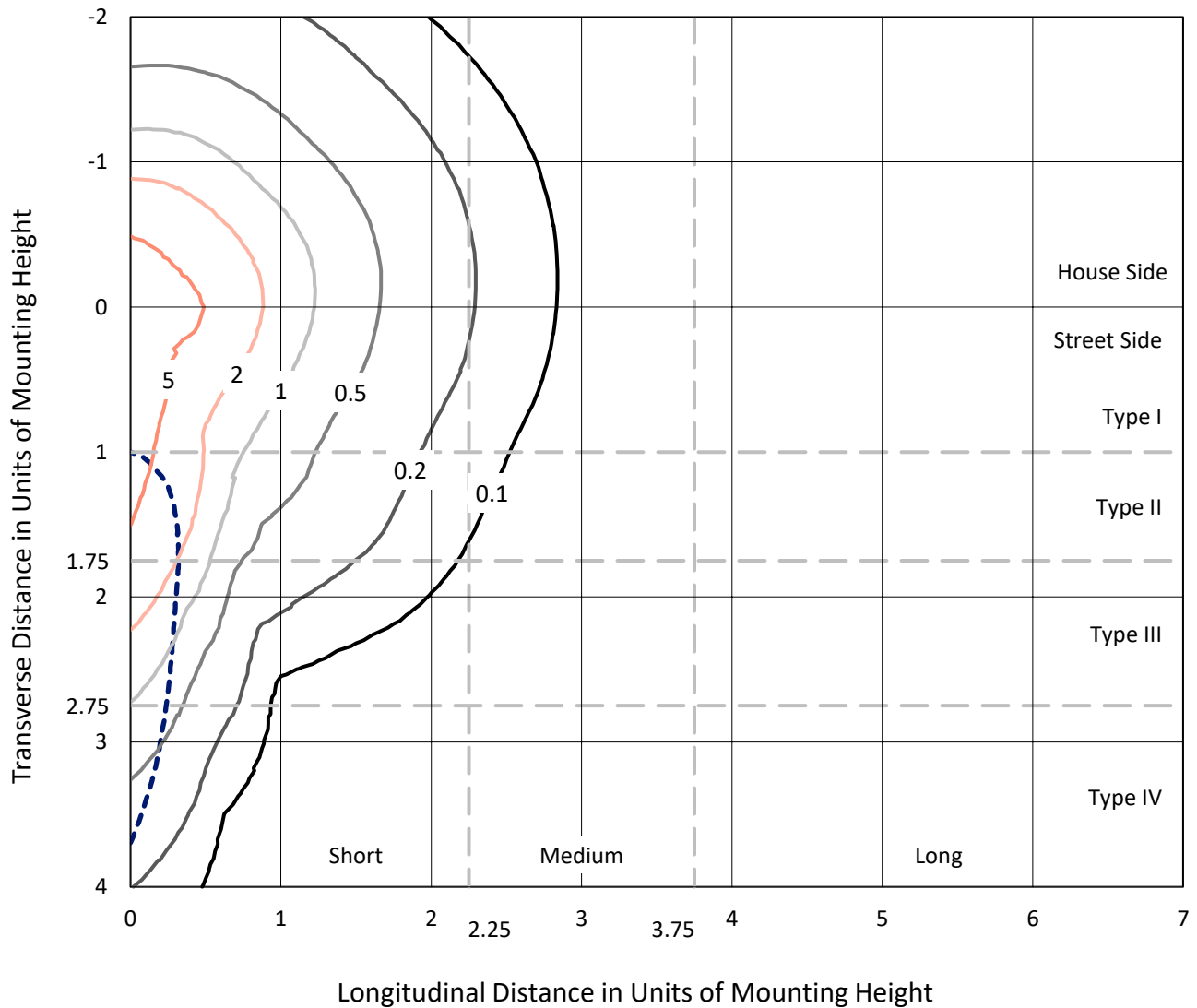
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

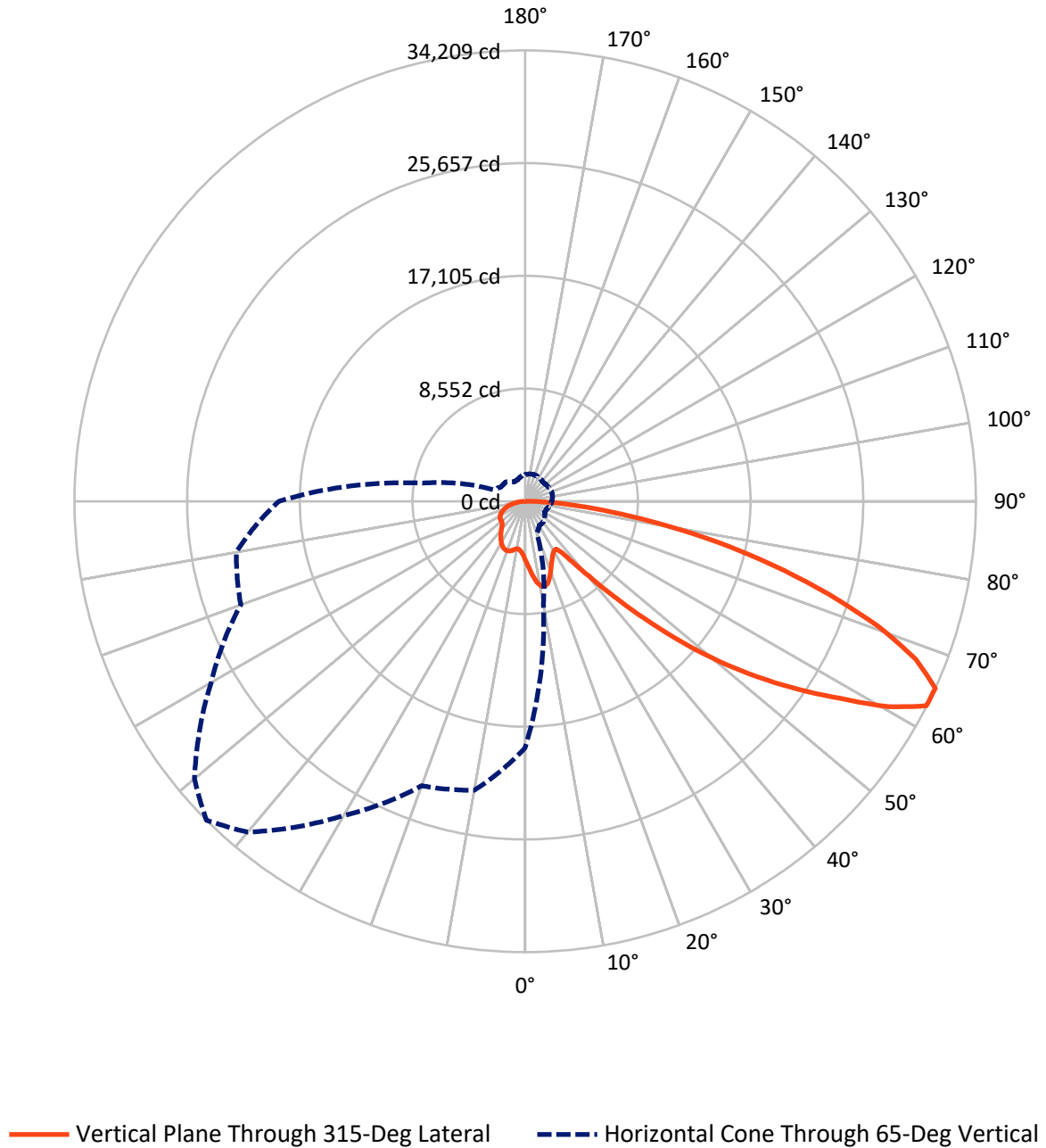
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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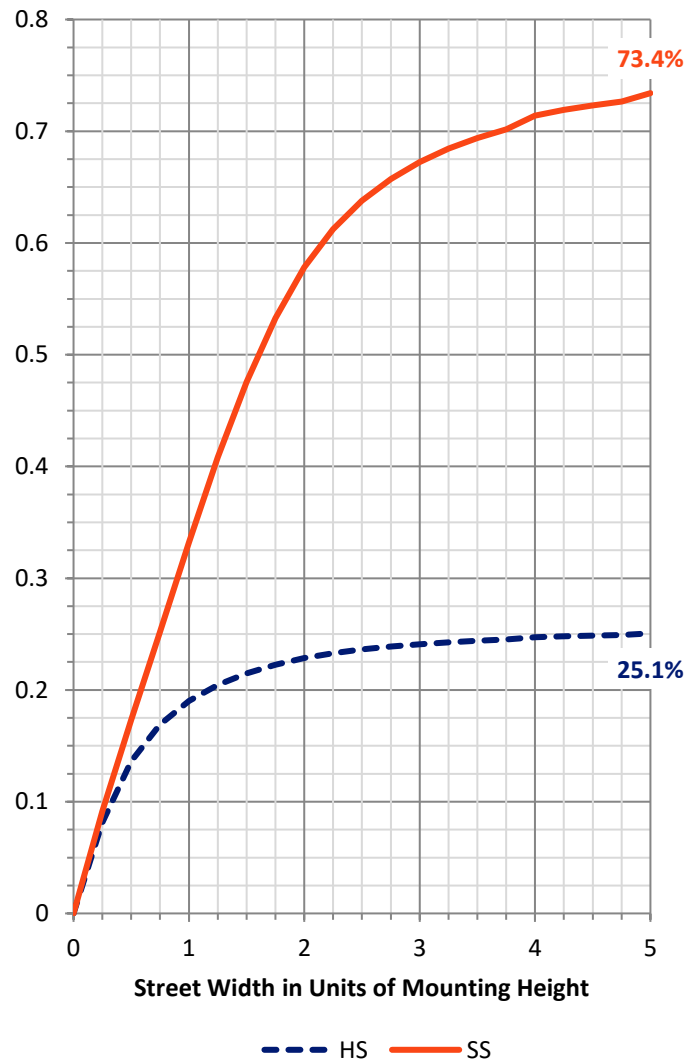
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8330.5	0.0	8330.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	24447.5	0.0	24447.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	32778.0	0.0	32778.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.1	1.4
10°-20°	1403.6	4.3
20°-30°	2168.1	6.6
30°-40°	2747.5	8.4
40°-50°	4143.9	12.6
50°-60°	6695.1	20.4
60°-70°	8346.5	25.5
70°-80°	5473.2	16.7
80°-90°	1353.1	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°	32778.0	100.0
0°-180°	32778.0	100.0



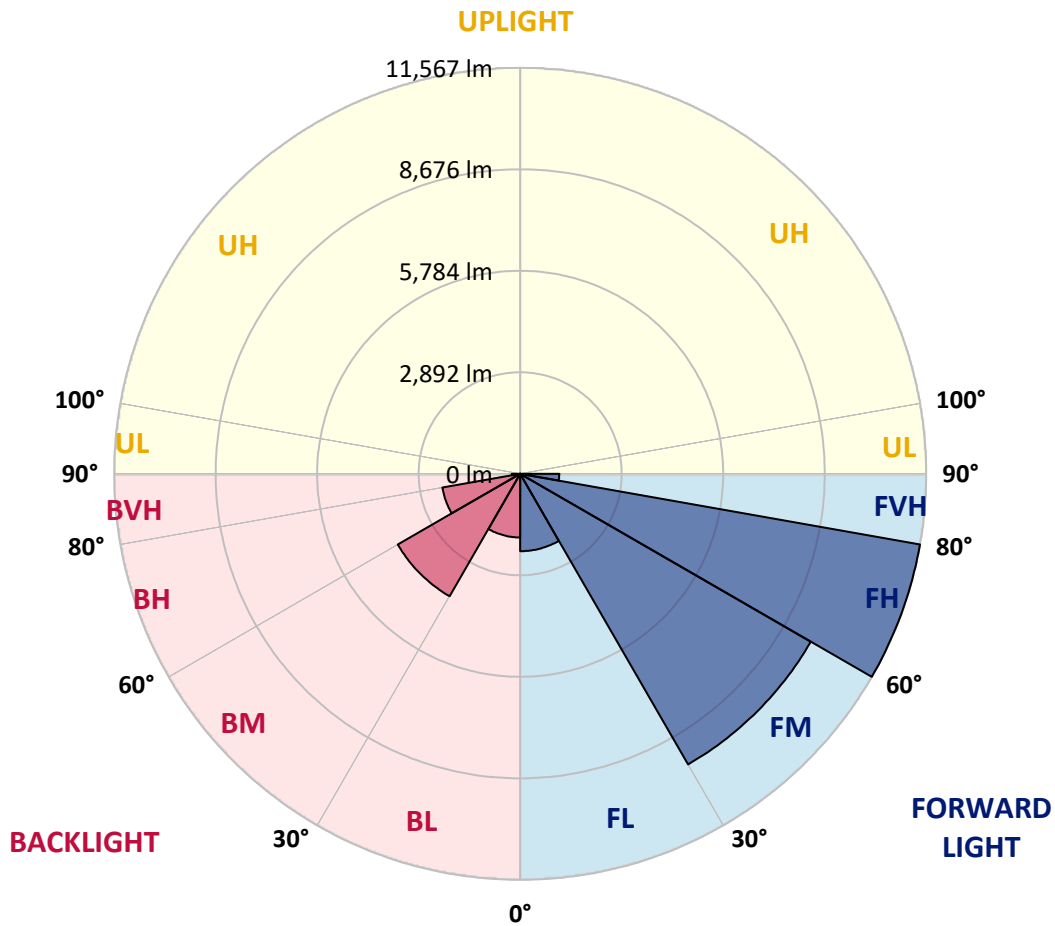
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2204.7	6.7			
FM (30°-60°)	9560.6	29.2			
FH (60°-80°)	11567.5	35.3			G4/12000
FVH (80°-90°)	1114.7	3.4			G5
BL (0°-30°)	1814.1	5.5	B3/2500		
BM (30°-60°)	4025.8	12.3	B3/5000		
BH (60°-80°)	2252.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	238.4	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
2.5°	4847.1	4809.9	4772.7	4733.1	4693.7	4653.9	4614.1	4576.1	4538.0	4501.2
5°	5212.1	5129.9	5047.7	4965.8	4884.0	4801.5	4719.1	4642.2	4565.2	4492.6
7.5°	5578.7	5443.1	5307.7	5182.5	5057.3	4935.3	4813.4	4706.0	4598.6	4499.5
10°	5859.8	5688.4	5517.0	5351.5	5186.1	5038.1	4889.8	4762.9	4635.6	4513.3
12.5°	6031.9	5843.5	5655.3	5467.9	5280.4	5105.7	4931.0	4787.3	4643.5	4515.0
15°	6136.5	5940.2	5743.9	5540.5	5337.1	5136.0	4934.8	4768.4	4602.0	4459.7
17.5°	6195.3	5996.2	5797.2	5575.3	5353.4	5119.9	4886.4	4686.3	4486.2	4318.7
20°	6260.2	6053.3	5846.3	5602.4	5358.6	5075.6	4792.6	4544.6	4296.6	4101.7
22.5°	6335.4	6124.1	5912.5	5639.1	5365.5	5021.3	4677.1	4378.4	4079.7	3857.8
25°	6432.3	6225.1	6018.0	5705.5	5392.8	4967.7	4542.7	4192.8	3843.1	3615.7
27.5°	6563.7	6366.2	6168.5	5809.3	5449.9	4931.9	4413.9	4023.2	3632.4	3425.4
30°	6741.0	6550.1	6359.3	5943.7	5528.0	4915.1	4301.8	3881.3	3460.9	3287.0
32.5°	6950.3	6761.2	6572.4	6083.9	5595.5	4894.3	4192.8	3759.0	3325.1	3185.0
35°	7204.5	7023.6	6842.5	6243.7	5645.0	4855.2	4065.9	3638.8	3211.8	3095.1
37.5°	7632.6	7401.9	7171.1	6422.8	5674.4	4788.3	3902.3	3497.4	3092.5	2990.4
40°	8279.4	7943.2	7607.0	6650.0	5692.9	4696.1	3699.5	3328.6	2957.6	2865.0
42.5°	9137.3	8652.0	8166.7	6947.3	5728.0	4601.0	3474.4	3142.3	2810.2	2724.9
45°	10196.7	9542.0	8887.4	7338.6	5789.7	4512.6	3235.7	2944.4	2653.2	2566.7
47.5°	11521.5	10600.2	9678.7	7755.4	5832.1	4439.6	3047.2	2787.9	2528.6	2417.1
50°	13258.0	11869.0	10479.8	8142.1	5804.4	4360.1	2915.7	2683.9	2452.2	2305.5
52.5°	15251.3	13201.8	11152.3	8393.3	5634.1	4225.7	2817.5	2615.5	2413.6	2245.0
55°	17373.5	14383.4	11393.5	8337.9	5282.1	4002.9	2723.7	2565.8	2407.9	2251.0
57.5°	19303.7	15220.9	11138.1	7948.4	4758.9	3688.8	2618.6	2507.0	2395.5	2257.1
60°	20470.3	15430.2	10389.9	7223.5	4057.2	3281.0	2504.8	2417.1	2329.4	2238.1
62.5°	19877.9	14549.0	9220.0	6243.4	3266.8	2792.9	2319.0	2260.7	2202.6	2191.4
65°	18692.3	13302.1	7911.9	5243.4	2575.0	2353.8	2132.6	2105.1	2077.6	2078.9
67.5°	17103.7	11818.3	6532.9	4263.7	1994.5	1931.8	1868.8	1884.2	1899.4	1895.6
70°	15195.1	10199.3	5203.4	3357.1	1510.8	1528.8	1546.6	1617.8	1688.9	1688.9
72.5°	12920.7	8444.1	3967.6	2566.5	1165.4	1219.5	1273.8	1374.8	1475.7	1492.6
75°	10043.6	6432.1	2820.6	1862.7	904.9	954.0	1003.2	1116.3	1229.4	1307.6
77.5°	7176.0	4501.9	1827.8	1262.2	696.7	730.1	763.6	873.4	983.3	1112.1
80°	4696.6	2900.5	1104.3	813.2	522.3	536.2	550.0	643.1	735.9	889.9
82.5°	2730.1	1678.7	627.5	500.2	373.2	375.7	378.4	446.9	515.4	646.9
85°	1201.2	755.1	309.2	267.4	225.7	224.5	223.1	273.3	323.4	421.2
87.5°	371.9	247.3	122.8	110.9	98.9	97.7	96.5	116.9	137.5	178.1
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°
4507.3	0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
4460.2	2.5°	4427.0	4394.0	4364.0	4334.3	4308.2	4282.1	4255.8	4229.7	4209.4	4189.0
4420.8	5°	4358.2	4295.4	4242.8	4190.4	4144.0	4097.7	4055.7	4013.5	3981.1	3948.6
4406.6	7.5°	4323.2	4240.0	4170.9	4101.7	4043.4	3984.9	3933.4	3882.0	3843.4	3805.1
4413.5	10°	4325.7	4237.8	4168.6	4099.4	4036.6	3973.7	3915.7	3857.8	3811.8	3765.6
4422.2	12.5°	4350.2	4278.6	4232.6	4186.9	4137.5	4088.4	4028.3	3968.5	3909.7	3850.9
4385.3	15°	4350.9	4316.7	4322.9	4329.1	4316.3	4303.5	4251.5	4199.4	4115.7	4032.0
4272.9	17.5°	4285.5	4298.0	4373.4	4448.8	4488.9	4528.9	4486.8	4445.0	4334.1	4223.3
4089.6	20°	4148.4	4207.2	4338.1	4469.2	4553.1	4637.0	4617.6	4598.1	4471.3	4344.7
3881.5	22.5°	3968.5	4055.5	4204.9	4354.7	4463.8	4573.0	4584.7	4596.3	4475.3	4354.2
3679.7	25°	3780.0	3880.3	4014.7	4149.2	4256.6	4364.0	4404.2	4444.1	4344.9	4245.7
3503.2	27.5°	3600.1	3697.0	3807.5	3917.8	4004.0	4090.1	4134.7	4179.5	4108.8	4038.2
3348.1	30°	3424.9	3502.0	3593.7	3685.4	3756.8	3828.4	3864.7	3901.0	3847.3	3793.3
3212.2	32.5°	3257.6	3303.1	3376.3	3449.6	3518.1	3586.8	3627.1	3667.6	3618.1	3568.4
3083.8	35°	3096.3	3108.9	3164.8	3220.5	3288.3	3356.2	3404.7	3453.1	3417.8	3382.7
2949.3	37.5°	2935.4	2921.6	2961.7	3001.7	3069.3	3137.1	3196.9	3256.8	3240.5	3224.3
2801.9	40°	2770.6	2739.3	2768.2	2797.1	2862.4	2927.8	2996.7	3065.7	3069.6	3073.4
2645.4	42.5°	2603.9	2562.4	2585.9	2609.6	2671.5	2733.6	2808.0	2882.3	2902.2	2922.1
2489.7	45°	2449.2	2408.9	2428.7	2448.7	2507.5	2566.3	2643.5	2720.6	2749.2	2777.7
2350.8	47.5°	2316.9	2283.0	2301.7	2320.2	2377.8	2435.2	2511.3	2587.4	2620.3	2653.2
2228.5	50°	2198.5	2168.5	2197.6	2226.8	2281.1	2335.3	2403.4	2471.6	2513.8	2556.0
2137.4	52.5°	2107.7	2078.1	2121.8	2165.4	2215.2	2264.9	2328.3	2392.0	2442.0	2492.0
2089.0	55°	2041.9	1995.1	2057.1	2119.1	2172.7	2226.3	2282.0	2337.5	2390.4	2443.5
2059.9	57.5°	1991.4	1922.9	1989.7	2056.5	2119.4	2182.4	2237.4	2292.5	2346.0	2399.3
2032.6	60°	1943.9	1855.0	1913.6	1972.1	2044.4	2116.6	2172.5	2228.5	2282.2	2335.8
2000.8	62.5°	1889.7	1778.9	1816.0	1853.2	1937.5	2021.9	2081.5	2141.2	2190.3	2239.4
1933.7	65°	1815.7	1697.6	1711.9	1726.1	1816.4	1906.9	1963.9	2021.0	2064.2	2107.5
1814.0	67.5°	1715.7	1617.5	1613.0	1608.5	1691.9	1775.4	1829.5	1883.5	1920.9	1958.2
1662.1	70°	1592.2	1522.4	1506.8	1491.2	1564.6	1637.9	1684.6	1731.3	1765.0	1798.8
1493.0	72.5°	1445.1	1397.1	1374.3	1351.7	1409.4	1467.0	1509.2	1551.4	1584.5	1617.5
1301.0	75°	1264.1	1227.1	1205.3	1183.4	1226.3	1269.2	1307.4	1345.6	1375.7	1405.8
1108.7	77.5°	1079.1	1049.5	1027.4	1005.2	1040.2	1074.9	1107.8	1140.7	1172.3	1203.8
889.3	80°	864.6	839.7	821.2	802.5	831.6	860.5	888.1	915.8	939.8	963.7
654.1	82.5°	642.0	629.9	616.8	603.6	601.2	598.8	589.1	579.4	630.6	681.8
430.7	85°	417.7	404.7	390.0	375.3	362.9	350.2	323.4	296.6	344.5	392.6
190.3	87.5°	185.1	179.9	177.1	174.3	173.8	173.3	152.9	132.3	152.4	172.6
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°
4507.3	0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
4172.6	2.5°	4156.2	4143.4	4130.6	4118.8	4106.9	4092.2	4106.9	4118.8	4130.6	4143.4
3925.9	5°	3903.3	3887.2	3871.1	3858.8	3846.6	3834.5	3846.6	3858.8	3871.1	3887.2
3778.1	7.5°	3751.1	3732.6	3714.2	3703.2	3692.3	3684.0	3692.3	3703.2	3714.2	3732.6
3735.5	10°	3705.1	3687.6	3670.1	3660.8	3651.5	3647.7	3651.5	3660.8	3670.1	3687.6
3812.0	12.5°	3773.1	3753.5	3734.1	3726.2	3718.2	3716.8	3718.2	3726.2	3734.1	3753.5
3972.8	15°	3913.7	3886.5	3859.5	3849.2	3838.8	3837.9	3838.8	3849.2	3859.5	3886.5
4136.1	17.5°	4048.9	4008.8	3968.5	3955.4	3942.0	3940.0	3942.0	3955.4	3968.5	4008.8
4237.8	20°	4131.1	4079.7	4028.2	4011.7	3995.3	3990.1	3995.3	4011.7	4028.2	4079.7
4244.2	22.5°	4134.0	4079.9	4025.6	4007.4	3989.3	3981.5	3989.3	4007.4	4025.6	4079.9
4147.9	25°	4050.3	4003.3	3956.4	3939.3	3922.3	3912.3	3922.3	3939.3	3956.4	4003.3
3962.3	27.5°	3886.3	3854.9	3823.2	3815.4	3807.6	3805.1	3807.6	3815.4	3823.2	3854.9
3739.0	30°	3684.3	3668.2	3652.0	3652.0	3652.0	3654.6	3652.0	3652.0	3652.0	3668.2
3525.0	32.5°	3481.6	3471.1	3460.5	3461.9	3463.5	3466.1	3463.5	3461.9	3460.5	3471.1
3342.6	35°	3302.6	3286.5	3270.6	3267.2	3263.7	3262.0	3263.7	3267.2	3270.6	3286.5
3187.4	37.5°	3150.4	3121.2	3092.1	3076.7	3061.3	3052.7	3061.3	3076.7	3092.1	3121.2
3042.1	40°	3010.8	2968.3	2926.1	2897.4	2869.0	2852.1	2869.0	2897.4	2926.1	2968.3
2895.6	42.5°	2869.4	2816.6	2763.9	2722.2	2680.5	2653.2	2680.5	2722.2	2763.9	2816.6
2753.8	45°	2730.1	2669.8	2609.6	2560.6	2511.7	2480.2	2511.7	2560.6	2609.6	2669.8
2636.6	47.5°	2620.0	2566.3	2512.7	2467.4	2422.3	2392.0	2422.3	2467.4	2512.7	2566.3
2554.9	50°	2554.2	2511.3	2468.4	2426.6	2384.7	2355.7	2384.7	2426.6	2468.4	2511.3
2501.0	52.5°	2510.0	2475.0	2440.1	2402.5	2365.2	2338.4	2365.2	2402.5	2440.1	2475.0
2456.0	55°	2468.4	2438.0	2407.6	2374.7	2341.8	2317.6	2341.8	2374.7	2407.6	2438.0
2411.9	57.5°	2424.5	2393.7	2362.9	2330.4	2297.7	2272.7	2297.7	2330.4	2362.9	2393.7
2349.6	60°	2363.5	2333.4	2303.4	2269.9	2236.3	2210.4	2236.3	2269.9	2303.4	2333.4
2252.8	62.5°	2266.1	2238.9	2211.8	2176.5	2141.2	2110.1	2141.2	2176.5	2211.8	2238.9
2121.1	65°	2134.6	2108.5	2082.4	2048.2	2014.1	1987.3	2014.1	2048.2	2082.4	2108.5
1971.5	67.5°	1984.7	1960.6	1936.8	1904.9	1873.1	1848.9	1873.1	1904.9	1936.8	1960.6
1811.6	70°	1824.3	1804.8	1785.3	1754.8	1724.4	1696.7	1724.4	1754.8	1785.3	1804.8
1632.7	72.5°	1647.9	1631.7	1615.4	1586.4	1557.5	1530.7	1557.5	1586.4	1615.4	1631.7
1421.7	75°	1437.6	1429.7	1421.7	1397.3	1372.9	1347.3	1372.9	1397.3	1421.7	1429.7
1218.7	77.5°	1233.5	1222.5	1211.0	1186.5	1161.9	1141.5	1161.9	1186.5	1211.0	1222.5
983.4	80°	1003.2	998.3	993.6	960.6	927.4	889.0	927.4	960.6	993.6	998.3
715.3	82.5°	748.9	746.8	744.6	716.7	688.7	664.2	688.7	716.7	744.6	746.8
434.1	85°	475.6	472.2	468.7	446.9	425.1	403.0	425.1	446.9	468.7	472.2
189.4	87.5°	206.2	202.0	197.5	186.4	175.0	164.3	175.0	186.4	197.5	202.0
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°
4507.3	0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
4156.2	2.5°	4172.6	4189.0	4209.4	4229.7	4255.8	4282.1	4308.2	4334.3	4364.0	4394.0
3903.3	5°	3925.9	3948.6	3981.1	4013.5	4055.7	4097.7	4144.0	4190.4	4242.8	4295.4
3751.1	7.5°	3778.1	3805.1	3843.4	3882.0	3933.4	3984.9	4043.4	4101.7	4170.9	4240.0
3705.1	10°	3735.5	3765.6	3811.8	3857.8	3915.7	3973.7	4036.6	4099.4	4168.6	4237.8
3773.1	12.5°	3812.0	3850.9	3909.7	3968.5	4028.3	4088.4	4137.5	4186.9	4232.6	4278.6
3913.7	15°	3972.8	4032.0	4115.7	4199.4	4251.5	4303.5	4316.3	4329.1	4322.9	4316.7
4048.9	17.5°	4136.1	4223.3	4334.1	4445.0	4486.8	4528.9	4488.9	4448.8	4373.4	4298.0
4131.1	20°	4237.8	4344.7	4471.3	4598.1	4617.6	4637.0	4553.1	4469.2	4338.1	4207.2
4134.0	22.5°	4244.2	4354.2	4475.3	4596.3	4584.7	4573.0	4463.8	4354.7	4204.9	4055.5
4050.3	25°	4147.9	4245.7	4344.9	4444.1	4404.2	4364.0	4256.6	4149.2	4014.7	3880.3
3886.3	27.5°	3962.3	4038.2	4108.8	4179.5	4134.7	4090.1	4004.0	3917.8	3807.5	3697.0
3684.3	30°	3739.0	3793.3	3847.3	3901.0	3864.7	3828.4	3756.8	3685.4	3593.7	3502.0
3481.6	32.5°	3525.0	3568.4	3618.1	3667.6	3627.1	3586.8	3518.1	3449.6	3376.3	3303.1
3302.6	35°	3342.6	3382.7	3417.8	3453.1	3404.7	3356.2	3288.3	3220.5	3164.8	3108.9
3150.4	37.5°	3187.4	3224.3	3240.5	3256.8	3196.9	3137.1	3069.3	3001.7	2961.7	2921.6
3010.8	40°	3042.1	3073.4	3069.6	3065.7	2996.7	2927.8	2862.4	2797.1	2768.2	2739.3
2869.4	42.5°	2895.6	2922.1	2902.2	2882.3	2808.0	2733.6	2671.5	2609.6	2585.9	2562.4
2730.1	45°	2753.8	2777.7	2749.2	2720.6	2643.5	2566.3	2507.5	2448.7	2428.7	2408.9
2620.0	47.5°	2636.6	2653.2	2620.3	2587.4	2511.3	2435.2	2377.8	2320.2	2301.7	2283.0
2554.2	50°	2554.9	2556.0	2513.8	2471.6	2403.4	2335.3	2281.1	2226.8	2197.6	2168.5
2510.0	52.5°	2501.0	2492.0	2442.0	2392.0	2328.3	2264.9	2215.2	2165.4	2121.8	2078.1
2468.4	55°	2456.0	2443.5	2390.4	2337.5	2282.0	2226.3	2172.7	2119.1	2057.1	1995.1
2424.5	57.5°	2411.9	2399.3	2346.0	2292.5	2237.4	2182.4	2119.4	2056.5	1989.7	1922.9
2363.5	60°	2349.6	2335.8	2282.2	2228.5	2172.5	2116.6	2044.4	1972.1	1913.6	1855.0
2266.1	62.5°	2252.8	2239.4	2190.3	2141.2	2081.5	2021.9	1937.5	1853.2	1816.0	1778.9
2134.6	65°	2121.1	2107.5	2064.2	2021.0	1963.9	1906.9	1816.4	1726.1	1711.9	1697.6
1984.7	67.5°	1971.5	1958.2	1920.9	1883.5	1829.5	1775.4	1691.9	1608.5	1613.0	1617.5
1824.3	70°	1811.6	1798.8	1765.0	1731.3	1684.6	1637.9	1564.6	1491.2	1506.8	1522.4
1647.9	72.5°	1632.7	1617.5	1584.5	1551.4	1509.2	1467.0	1409.4	1351.7	1374.3	1397.1
1437.6	75°	1421.7	1405.8	1375.7	1345.6	1307.4	1269.2	1226.3	1183.4	1205.3	1227.1
1233.5	77.5°	1218.7	1203.8	1172.3	1140.7	1107.8	1074.9	1040.2	1005.2	1027.4	1049.5
1003.2	80°	983.4	963.7	939.8	915.8	888.1	860.5	831.6	802.5	821.2	839.7
748.9	82.5°	715.3	681.8	630.6	579.4	589.1	598.8	601.2	603.6	616.8	629.9
475.6	85°	434.1	392.6	344.5	296.6	323.4	350.2	362.9	375.3	390.0	404.7
206.2	87.5°	189.4	172.6	152.4	132.3	152.9	173.3	173.8	174.3	177.1	179.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4507.3	0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
4427.0	2.5°	4460.2	4501.2	4538.0	4576.1	4614.1	4653.9	4693.7	4733.1	4772.7	4809.9
4358.2	5°	4420.8	4492.6	4565.2	4642.2	4719.1	4801.5	4884.0	4965.8	5047.7	5129.9
4323.2	7.5°	4406.6	4499.5	4598.6	4706.0	4813.4	4935.3	5057.3	5182.5	5307.7	5443.1
4325.7	10°	4413.5	4513.3	4635.6	4762.9	4889.8	5038.1	5186.1	5351.5	5517.0	5688.4
4350.2	12.5°	4422.2	4515.0	4643.5	4787.3	4931.0	5105.7	5280.4	5467.9	5655.3	5843.5
4350.9	15°	4385.3	4459.7	4602.0	4768.4	4934.8	5136.0	5337.1	5540.5	5743.9	5940.2
4285.5	17.5°	4272.9	4318.7	4486.2	4686.3	4886.4	5119.9	5353.4	5575.3	5797.2	5996.2
4148.4	20°	4089.6	4101.7	4296.6	4544.6	4792.6	5075.6	5358.6	5602.4	5846.3	6053.3
3968.5	22.5°	3881.5	3857.8	4079.7	4378.4	4677.1	5021.3	5365.5	5639.1	5912.5	6124.1
3780.0	25°	3679.7	3615.7	3843.1	4192.8	4542.7	4967.7	5392.8	5705.5	6018.0	6225.1
3600.1	27.5°	3503.2	3425.4	3632.4	4023.2	4413.9	4931.9	5449.9	5809.3	6168.5	6366.2
3424.9	30°	3348.1	3287.0	3460.9	3881.3	4301.8	4915.1	5528.0	5943.7	6359.3	6550.1
3257.6	32.5°	3212.2	3185.0	3325.1	3759.0	4192.8	4894.3	5595.5	6083.9	6572.4	6761.2
3096.3	35°	3083.8	3095.1	3211.8	3638.8	4065.9	4855.2	5645.0	6243.7	6842.5	7023.6
2935.4	37.5°	2949.3	2990.4	3092.5	3497.4	3902.3	4788.3	5674.4	6422.8	7171.1	7401.9
2770.6	40°	2801.9	2865.0	2957.6	3328.6	3699.5	4696.1	5692.9	6650.0	7607.0	7943.2
2603.9	42.5°	2645.4	2724.9	2810.2	3142.3	3474.4	4601.0	5728.0	6947.3	8166.7	8652.0
2449.2	45°	2489.7	2566.7	2653.2	2944.4	3235.7	4512.6	5789.7	7338.6	8887.4	9542.0
2316.9	47.5°	2350.8	2417.1	2528.6	2787.9	3047.2	4439.6	5832.1	7755.4	9678.7	10600.2
2198.5	50°	2228.5	2305.5	2452.2	2683.9	2915.7	4360.1	5804.4	8142.1	10479.8	11869.0
2107.7	52.5°	2137.4	2245.0	2413.6	2615.5	2817.5	4225.7	5634.1	8393.3	11152.3	13201.8
2041.9	55°	2089.0	2251.0	2407.9	2565.8	2723.7	4002.9	5282.1	8337.9	11393.5	14383.4
1991.4	57.5°	2059.9	2257.1	2395.5	2507.0	2618.6	3688.8	4758.9	7948.4	11138.1	15220.9
1943.9	60°	2032.6	2238.1	2329.4	2417.1	2504.8	3281.0	4057.2	7223.5	10389.9	15430.2
1889.7	62.5°	2000.8	2191.4	2202.6	2260.7	2319.0	2792.9	3266.8	6243.4	9220.0	14549.0
1815.7	65°	1933.7	2078.9	2077.6	2105.1	2132.6	2353.8	2575.0	5243.4	7911.9	13302.1
1715.7	67.5°	1814.0	1895.6	1899.4	1884.2	1868.8	1931.8	1994.5	4263.7	6532.9	11818.3
1592.2	70°	1662.1	1688.9	1688.9	1617.8	1546.6	1528.8	1510.8	3357.1	5203.4	10199.3
1445.1	72.5°	1493.0	1492.6	1475.7	1374.8	1273.8	1219.5	1165.4	2566.5	3967.6	8444.1
1264.1	75°	1301.0	1307.6	1229.4	1116.3	1003.2	954.0	904.9	1862.7	2820.6	6432.1
1079.1	77.5°	1108.7	1112.1	983.3	873.4	763.6	730.1	696.7	1262.2	1827.8	4501.9
864.6	80°	889.3	889.9	735.9	643.1	550.0	536.2	522.3	813.2	1104.3	2900.5
642.0	82.5°	654.1	646.9	515.4	446.9	378.4	375.7	373.2	500.2	627.5	1678.7
417.7	85°	430.7	421.2	323.4	273.3	223.1	224.5	225.7	267.4	309.2	755.1
185.1	87.5°	190.3	178.1	137.5	116.9	96.5	97.7	98.9	110.9	122.8	247.3
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4507.3	0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
4847.1	2.5°	4865.5	4884.0	4910.1	4936.2	4951.8	4967.3	4975.1	4982.9	4979.4	4982.9
5212.1	5°	5276.2	5340.6	5404.2	5468.0	5502.6	5537.2	5558.1	5579.2	5595.2	5579.2
5578.7	7.5°	5683.2	5787.5	5881.4	5975.3	6031.9	6088.4	6119.0	6149.5	6164.2	6149.5
5859.8	10°	5983.3	6106.8	6216.9	6327.1	6393.9	6460.3	6490.0	6519.6	6530.9	6519.6
6031.9	12.5°	6165.7	6299.4	6399.1	6498.3	6546.8	6595.2	6611.5	6627.7	6629.4	6627.7
6136.5	15°	6252.0	6367.4	6429.8	6492.5	6494.2	6495.9	6478.6	6461.3	6440.9	6461.3
6195.3	17.5°	6273.3	6351.3	6352.5	6353.6	6283.5	6213.5	6149.3	6085.0	6039.7	6085.0
6260.2	20°	6287.3	6314.7	6232.5	6150.3	5995.7	5841.1	5728.5	5615.9	5546.7	5615.9
6335.4	22.5°	6299.8	6264.2	6094.0	5923.8	5696.3	5468.9	5328.1	5187.3	5110.9	5187.3
6432.3	25°	6319.8	6207.4	5949.0	5690.6	5414.4	5138.2	4990.2	4842.4	4770.2	4842.4
6563.7	27.5°	6362.7	6161.6	5819.3	5477.2	5171.1	4864.9	4719.3	4573.8	4505.5	4573.8
6741.0	30°	6441.3	6141.7	5720.4	5299.1	4980.1	4661.2	4526.1	4391.0	4327.4	4391.0
6950.3	32.5°	6539.8	6129.6	5652.9	5176.3	4876.5	4576.8	4470.8	4364.6	4318.7	4364.6
7204.5	35°	6702.3	6200.2	5703.4	5206.9	4998.6	4790.6	4765.8	4741.1	4737.3	4741.1
7632.6	37.5°	7041.8	6450.9	5999.5	5548.1	5534.6	5521.1	5634.2	5747.4	5806.2	5747.4
8279.4	40°	7636.9	6994.4	6658.7	6323.0	6559.9	6796.9	7071.9	7346.9	7483.8	7346.9
9137.3	42.5°	8499.8	7862.3	7668.9	7475.5	7992.3	8509.1	9009.3	9509.5	9803.2	9509.5
10196.7	45°	9624.0	9051.2	8965.9	8880.5	9708.4	10536.5	11358.4	12180.5	12679.5	12180.5
11521.5	47.5°	10964.4	10407.2	10389.9	10372.6	11567.0	12761.1	13964.4	15167.5	15874.0	15167.5
13258.0	50°	12569.8	11881.8	11884.7	11887.7	13427.0	14966.3	16554.6	18142.8	19103.1	18142.8
15251.3	52.5°	14418.0	13584.9	13500.7	13416.3	15255.0	17093.7	19058.8	21023.8	22174.8	21023.8
17373.5	55°	16550.2	15727.0	15398.5	15070.1	17116.5	19162.8	21505.5	23848.2	25217.1	23848.2
19303.7	57.5°	18855.4	18406.9	17748.1	17089.5	19155.8	21222.2	23875.7	26529.0	28226.6	26529.0
20470.3	60°	21166.6	21863.1	21045.1	20227.0	22182.4	24137.9	26978.9	29819.8	31654.6	29819.8
19877.9	62.5°	21780.6	23683.3	23591.2	23498.8	25290.1	27081.6	29784.6	32487.4	34183.2	32487.4
18692.3	65°	20478.1	22263.9	22617.2	22970.4	25246.9	27523.5	30144.5	32765.3	34209.1	32765.3
17103.7	67.5°	18802.1	20500.6	20666.3	20831.8	23203.7	25575.5	28207.7	30839.9	31971.1	30839.9
15195.1	70°	17042.5	18890.0	18964.0	19038.2	21159.4	23280.3	25545.6	27810.6	28439.3	27810.6
12920.7	72.5°	15040.7	17160.8	17214.1	17267.2	18926.7	20586.2	22282.7	23979.1	24042.7	23979.1
10043.6	75°	12237.7	14431.9	14628.9	14825.9	16117.0	17408.1	18602.4	19796.6	19476.7	19796.6
7176.0	77.5°	9224.1	11272.5	11554.4	11836.3	12817.8	13799.4	14646.3	15493.5	14943.5	15493.5
4696.6	80°	6419.8	8142.8	8493.2	8843.6	9584.9	10325.9	10770.7	11215.4	10330.7	11215.4
2730.1	82.5°	3908.1	5086.3	5477.7	5869.3	6379.5	6889.7	7075.3	7260.7	6565.4	7260.7
1201.2	85°	1826.4	2451.7	2784.6	3117.5	3536.8	3955.9	4061.2	4166.5	3609.6	4166.5
371.9	87.5°	582.0	792.1	977.9	1163.7	1373.3	1582.9	1591.9	1600.7	1343.9	1600.7
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°
4507.3	0°	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3	4507.3
4975.1	2.5°	4967.3	4951.8	4936.2	4910.1	4884.0	4865.5	4847.1
5558.1	5°	5537.2	5502.6	5468.0	5404.2	5340.6	5276.2	5212.1
6119.0	7.5°	6088.4	6031.9	5975.3	5881.4	5787.5	5683.2	5578.7
6490.0	10°	6460.3	6393.9	6327.1	6216.9	6106.8	5983.3	5859.8
6611.5	12.5°	6595.2	6546.8	6498.3	6399.1	6299.4	6165.7	6031.9
6478.6	15°	6495.9	6494.2	6492.5	6429.8	6367.4	6252.0	6136.5
6149.3	17.5°	6213.5	6283.5	6353.6	6352.5	6351.3	6273.3	6195.3
5728.5	20°	5841.1	5995.7	6150.3	6232.5	6314.7	6287.3	6260.2
5328.1	22.5°	5468.9	5696.3	5923.8	6094.0	6264.2	6299.8	6335.4
4990.2	25°	5138.2	5414.4	5690.6	5949.0	6207.4	6319.8	6432.3
4719.3	27.5°	4864.9	5171.1	5477.2	5819.3	6161.6	6362.7	6563.7
4526.1	30°	4661.2	4980.1	5299.1	5720.4	6141.7	6441.3	6741.0
4470.8	32.5°	4576.8	4876.5	5176.3	5652.9	6129.6	6539.8	6950.3
4765.8	35°	4790.6	4998.6	5206.9	5703.4	6200.2	6702.3	7204.5
5634.2	37.5°	5521.1	5534.6	5548.1	5999.5	6450.9	7041.8	7632.6
7071.9	40°	6796.9	6559.9	6323.0	6658.7	6994.4	7636.9	8279.4
9009.3	42.5°	8509.1	7992.3	7475.5	7668.9	7862.3	8499.8	9137.3
11358.4	45°	10536.5	9708.4	8880.5	8965.9	9051.2	9624.0	10196.7
13964.4	47.5°	12761.1	11567.0	10372.6	10389.9	10407.2	10964.4	11521.5
16554.6	50°	14966.3	13427.0	11887.7	11884.7	11881.8	12569.8	13258.0
19058.8	52.5°	17093.7	15255.0	13416.3	13500.7	13584.9	14418.0	15251.3
21505.5	55°	19162.8	17116.5	15070.1	15398.5	15727.0	16550.2	17373.5
23875.7	57.5°	21222.2	19155.8	17089.5	17748.1	18406.9	18855.4	19303.7
26978.9	60°	24137.9	22182.4	20227.0	21045.1	21863.1	21166.6	20470.3
29784.6	62.5°	27081.6	25290.1	23498.8	23591.2	23683.3	21780.6	19877.9
30144.5	65°	27523.5	25246.9	22970.4	22617.2	22263.9	20478.1	18692.3
28207.7	67.5°	25575.5	23203.7	20831.8	20666.3	20500.6	18802.1	17103.7
25545.6	70°	23280.3	21159.4	19038.2	18964.0	18890.0	17042.5	15195.1
22282.7	72.5°	20586.2	18926.7	17267.2	17214.1	17160.8	15040.7	12920.7
18602.4	75°	17408.1	16117.0	14825.9	14628.9	14431.9	12237.7	10043.6
14646.3	77.5°	13799.4	12817.8	11836.3	11554.4	11272.5	9224.1	7176.0
10770.7	80°	10325.9	9584.9	8843.6	8493.2	8142.8	6419.8	4696.6
7075.3	82.5°	6889.7	6379.5	5869.3	5477.7	5086.3	3908.1	2730.1
4061.2	85°	3955.9	3536.8	3117.5	2784.6	2451.7	1826.4	1201.2
1591.9	87.5°	1582.9	1373.3	1163.7	977.9	792.1	582.0	371.9
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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