

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: P951877

Luminaire Tested: **GALN-SB5D-927-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951877
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-SB5D-927-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31177 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

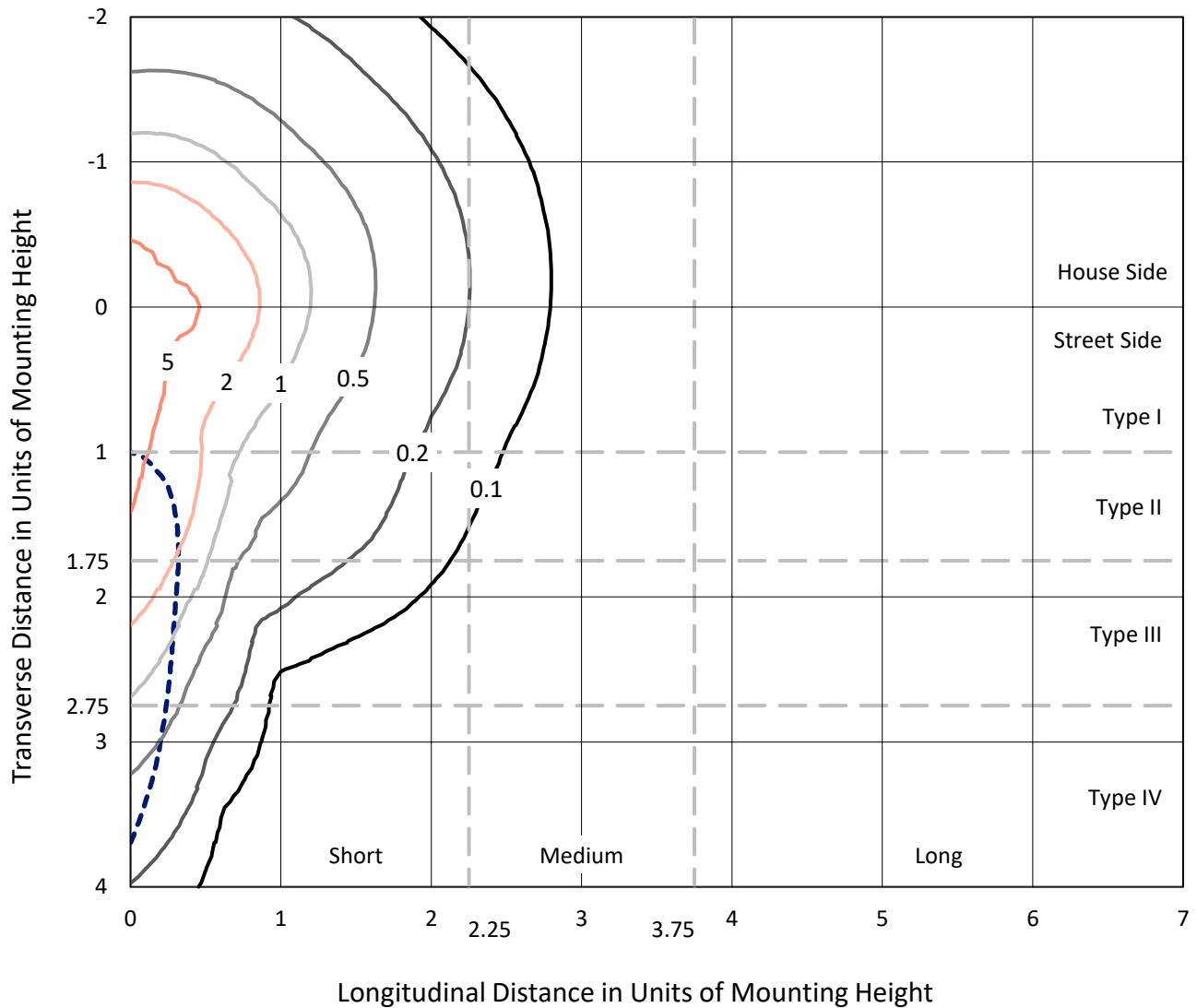
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

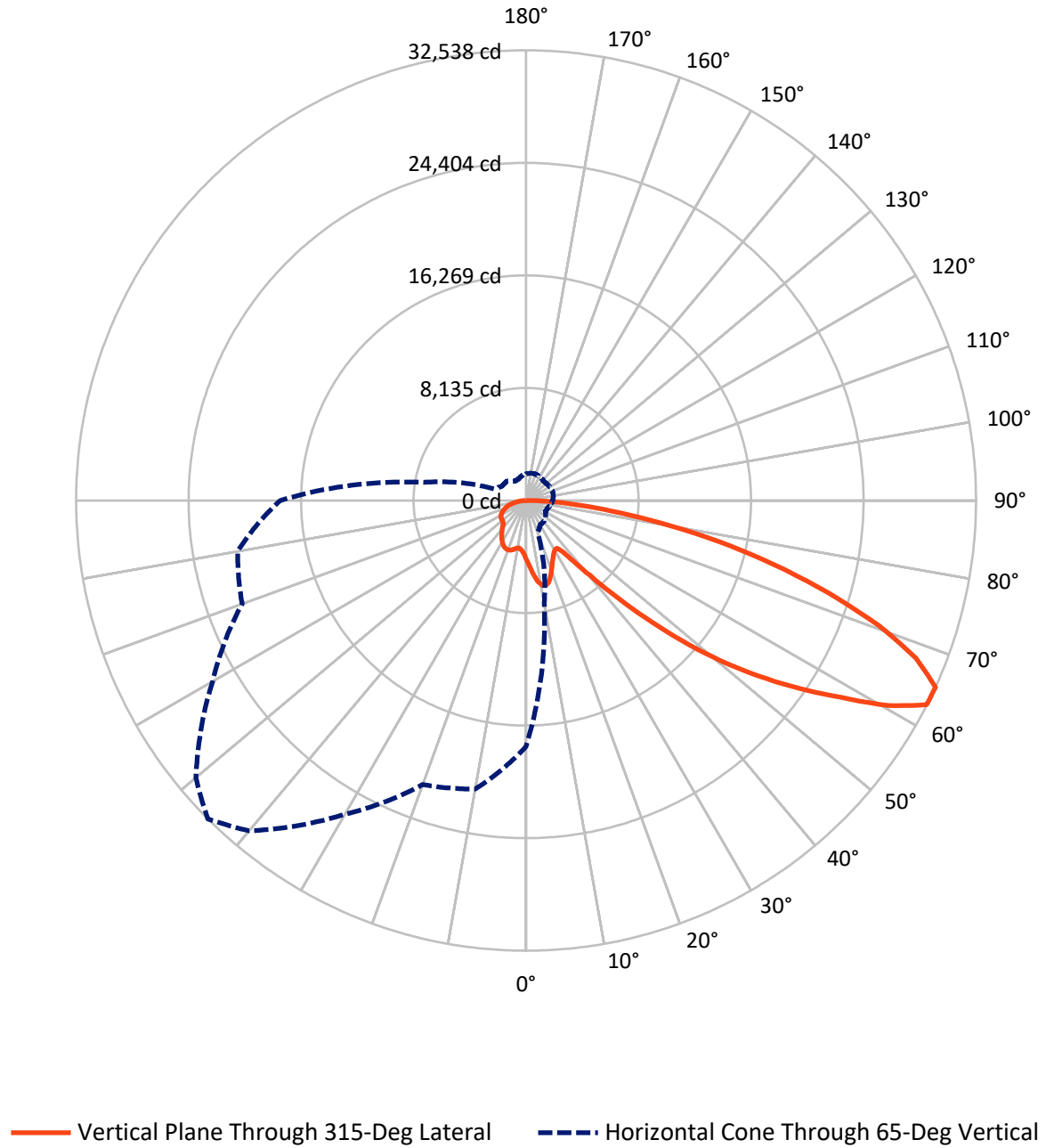
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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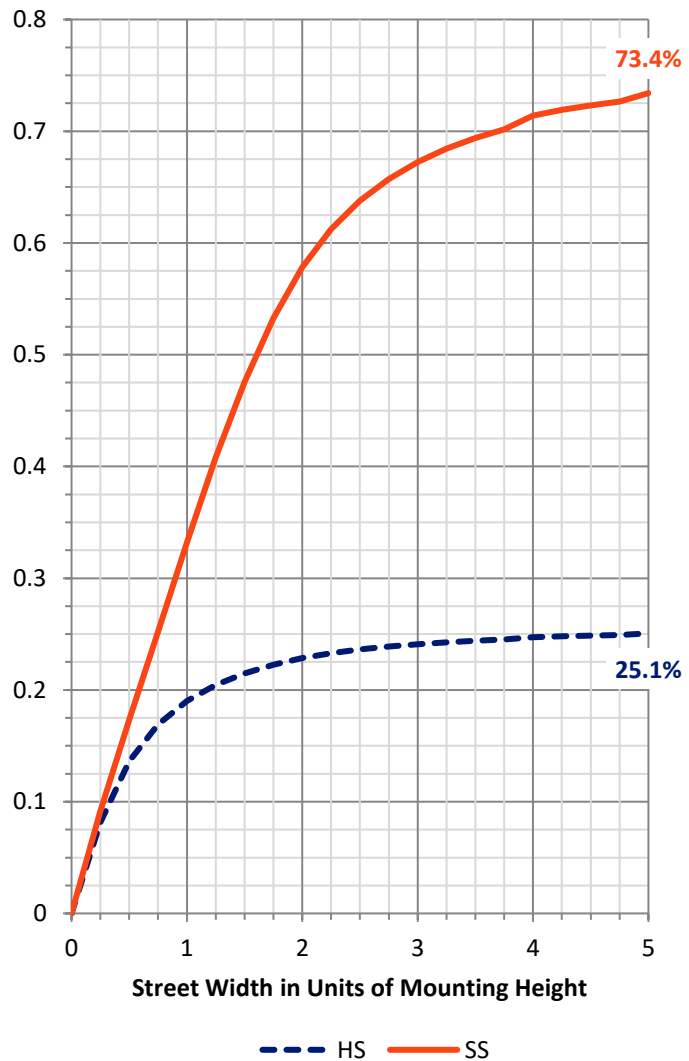
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7923.6	0.0	7923.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	23253.4	0.0	23253.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	31177.0	0.0	31177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.3	1.4
10°-20°	1335.0	4.3
20°-30°	2062.2	6.6
30°-40°	2613.3	8.4
40°-50°	3941.5	12.6
50°-60°	6368.1	20.4
60°-70°	7938.8	25.5
70°-80°	5205.9	16.7
80°-90°	1287.0	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°	31177.0	100.0
0°-180°	31177.0	100.0

Coefficient of Utilization



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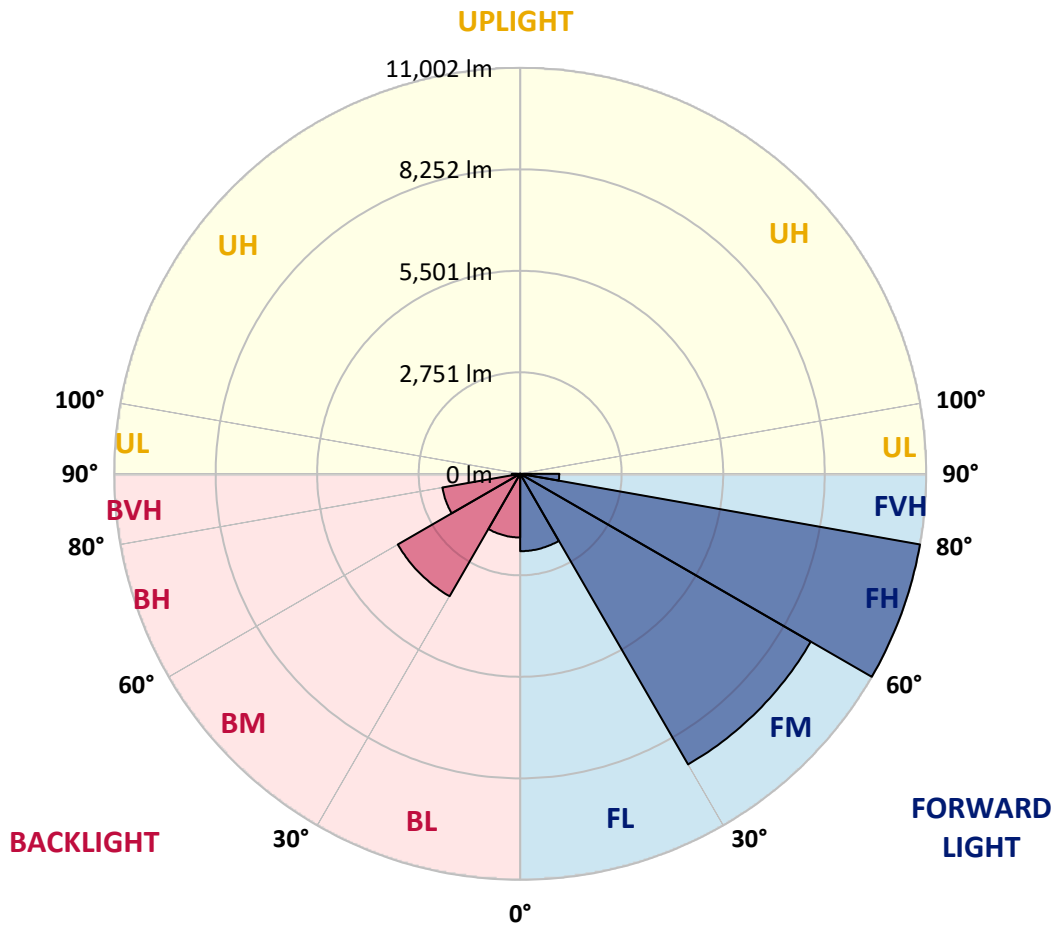
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2097.0	6.7			
FM (30°-60°)	9093.7	29.2			
FH (60°-80°)	11002.5	35.3			G4/12000
FVH (80°-90°)	1060.2	3.4			G5
BL (0°-30°)	1725.5	5.5	B3/2500		
BM (30°-60°)	3829.2	12.3	B3/5000		
BH (60°-80°)	2142.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	226.8	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°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
2.5°	4610.4	4575.0	4539.6	4502.0	4464.4	4426.6	4388.8	4352.6	4316.4	4281.3
5°	4957.5	4879.3	4801.2	4723.2	4645.4	4566.9	4488.6	4415.4	4342.2	4273.1
7.5°	5306.2	5177.3	5048.5	4929.3	4810.2	4694.3	4578.3	4476.1	4374.0	4279.7
10°	5573.6	5410.5	5247.5	5090.1	4932.8	4792.0	4651.0	4530.3	4409.2	4292.9
12.5°	5737.3	5558.1	5379.1	5200.8	5022.5	4856.3	4690.2	4553.4	4416.7	4294.5
15°	5836.8	5650.1	5463.3	5269.9	5076.4	4885.1	4693.8	4535.5	4377.3	4241.9
17.5°	5892.7	5703.4	5514.0	5302.9	5091.9	4869.8	4647.7	4457.4	4267.0	4107.8
20°	5954.4	5757.7	5560.7	5328.8	5096.8	4827.7	4558.5	4322.6	4086.7	3901.3
22.5°	6026.0	5824.9	5623.7	5363.7	5103.4	4776.0	4448.7	4164.5	3880.4	3669.4
25°	6118.1	5921.0	5724.1	5426.8	5129.4	4725.0	4320.8	3988.0	3655.4	3439.1
27.5°	6243.1	6055.2	5867.2	5525.5	5183.7	4691.0	4198.3	3826.6	3455.0	3258.1
30°	6411.7	6230.1	6048.7	5653.4	5258.0	4675.0	4091.7	3691.7	3291.8	3126.5
32.5°	6610.8	6431.0	6251.3	5786.8	5322.2	4655.3	3988.0	3575.4	3162.7	3029.4
35°	6852.6	6680.5	6508.3	5938.8	5369.2	4618.1	3867.3	3461.1	3054.9	2943.9
37.5°	7259.8	7040.3	6820.9	6109.0	5397.2	4554.4	3711.7	3326.5	2941.4	2844.4
40°	7875.0	7555.2	7235.4	6325.2	5414.8	4466.7	3518.8	3166.0	2813.1	2725.1
42.5°	8691.0	8229.4	7767.8	6608.0	5448.2	4376.3	3304.7	2988.8	2672.9	2591.8
45°	9698.6	9076.0	8453.3	6980.1	5506.9	4292.2	3077.6	2800.6	2523.6	2441.3
47.5°	10958.8	10082.4	9205.9	7376.6	5547.2	4222.8	2898.3	2651.7	2405.1	2299.0
50°	12610.4	11289.3	9967.9	7744.4	5520.9	4147.1	2773.3	2552.9	2332.4	2192.9
52.5°	14506.4	12557.0	10607.5	7983.3	5358.9	4019.3	2679.9	2487.7	2295.7	2135.3
55°	16524.9	13680.9	10837.0	7930.7	5024.1	3807.4	2590.7	2440.5	2290.3	2141.1
57.5°	18360.9	14477.5	10594.1	7560.2	4526.5	3508.6	2490.7	2384.6	2278.5	2146.8
60°	19470.5	14676.5	9882.4	6870.7	3859.1	3120.7	2382.4	2299.0	2215.6	2128.7
62.5°	18907.0	13838.3	8769.6	5938.4	3107.2	2656.5	2205.7	2150.3	2095.0	2084.3
65°	17779.3	12652.4	7525.5	4987.3	2449.2	2238.8	2028.4	2002.2	1976.1	1977.4
67.5°	16268.3	11241.1	6213.8	4055.5	1897.1	1837.4	1777.5	1792.2	1806.6	1803.0
70°	14452.9	9701.1	4949.3	3193.1	1437.0	1454.1	1471.0	1538.8	1606.4	1606.4
72.5°	12289.6	8031.7	3773.8	2441.1	1108.5	1160.0	1211.6	1307.7	1403.6	1419.7
75°	9553.0	6117.9	2682.8	1771.8	860.7	907.4	954.2	1061.7	1169.3	1243.7
77.5°	6825.5	4282.0	1738.5	1200.6	662.6	694.4	726.3	830.8	935.2	1057.8
80°	4467.2	2758.8	1050.4	773.5	496.8	510.0	523.1	611.6	700.0	846.4
82.5°	2596.8	1596.7	596.8	475.8	355.0	357.3	359.9	425.1	490.2	615.3
85°	1142.5	718.2	294.1	254.3	214.7	213.5	212.2	259.9	307.6	400.6
87.5°	353.7	235.2	116.8	105.5	94.1	92.9	91.8	111.2	130.8	169.4
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°
4287.1	0°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
4242.4	2.5°	4210.8	4179.4	4150.9	4122.6	4097.8	4072.9	4047.9	4023.1	4003.8	3984.4
4204.9	5°	4145.3	4085.6	4035.6	3985.7	3941.6	3897.5	3857.6	3817.4	3786.7	3755.7
4191.4	7.5°	4112.1	4032.9	3967.1	3901.3	3845.9	3790.3	3741.3	3692.4	3655.7	3619.2
4197.9	10°	4114.4	4030.8	3965.0	3899.2	3839.5	3779.6	3724.5	3669.4	3625.6	3581.7
4206.2	12.5°	4137.7	4069.6	4025.9	3982.4	3935.4	3888.7	3831.6	3774.7	3718.7	3662.8
4171.1	15°	4138.4	4105.8	4111.7	4117.7	4105.5	4093.3	4043.8	3994.3	3914.7	3835.0
4064.2	17.5°	4076.2	4088.1	4159.8	4231.5	4269.7	4307.7	4267.7	4227.9	4122.4	4017.0
3889.8	20°	3945.7	4001.7	4126.2	4250.9	4330.7	4410.5	4392.1	4373.5	4252.9	4132.5
3691.9	22.5°	3774.7	3857.4	3999.5	4142.0	4245.8	4349.6	4360.8	4371.8	4256.7	4141.5
3499.9	25°	3595.3	3690.8	3818.6	3946.6	4048.7	4150.9	4189.1	4227.1	4132.6	4038.4
3332.1	27.5°	3424.3	3516.4	3621.5	3726.5	3808.4	3890.3	3932.8	3975.4	3908.1	3841.0
3184.6	30°	3257.6	3331.0	3418.2	3505.4	3573.3	3641.4	3676.0	3710.5	3659.3	3608.0
3055.3	32.5°	3098.5	3141.8	3211.4	3281.1	3346.3	3411.6	3449.9	3488.4	3441.4	3394.2
2933.2	35°	2945.0	2957.1	3010.2	3063.2	3127.6	3192.3	3238.4	3284.4	3250.9	3217.5
2805.2	37.5°	2792.0	2778.9	2817.1	2855.1	2919.4	2983.9	3040.8	3097.7	3082.2	3066.8
2665.0	40°	2635.3	2605.5	2633.0	2660.4	2722.6	2784.8	2850.3	2915.9	2919.7	2923.3
2516.2	42.5°	2476.7	2437.2	2459.6	2482.1	2541.0	2600.1	2670.8	2741.5	2760.5	2779.4
2368.1	45°	2329.6	2291.3	2310.0	2329.1	2385.1	2441.0	2514.4	2587.7	2614.9	2642.0
2236.0	47.5°	2203.8	2171.5	2189.3	2206.9	2261.7	2316.3	2388.7	2461.1	2492.3	2523.6
2119.7	50°	2091.1	2062.6	2090.3	2118.1	2169.7	2221.2	2286.0	2350.8	2391.0	2431.1
2033.0	52.5°	2004.7	1976.6	2018.2	2059.7	2107.0	2154.2	2214.6	2275.2	2322.7	2370.2
1986.9	55°	1942.2	1897.6	1956.7	2015.6	2066.6	2117.6	2170.5	2223.3	2273.7	2324.2
1959.3	57.5°	1894.2	1829.0	1892.5	1956.0	2015.9	2075.8	2128.1	2180.6	2231.4	2282.1
1933.3	60°	1848.9	1764.4	1820.1	1875.7	1944.5	2013.3	2066.4	2119.7	2170.7	2221.7
1903.0	62.5°	1797.4	1692.0	1727.3	1762.7	1842.8	1923.1	1979.9	2036.6	2083.3	2130.1
1839.2	65°	1727.0	1614.7	1628.3	1641.8	1727.7	1813.7	1868.0	1922.3	1963.4	2004.5
1725.4	67.5°	1631.9	1538.5	1534.2	1529.9	1609.2	1688.7	1740.2	1791.5	1827.0	1862.6
1580.9	70°	1514.5	1448.0	1433.2	1418.4	1488.1	1557.9	1602.3	1646.7	1678.8	1710.9
1420.0	72.5°	1374.5	1328.9	1307.2	1285.6	1340.6	1395.4	1435.5	1475.6	1507.1	1538.5
1237.4	75°	1202.4	1167.2	1146.5	1125.6	1166.4	1207.2	1243.5	1279.9	1308.5	1337.1
1054.5	77.5°	1026.4	998.2	977.2	956.1	989.4	1022.4	1053.7	1084.9	1115.0	1145.0
845.9	80°	822.4	798.7	781.1	763.3	791.0	818.4	844.8	871.1	893.9	916.6
622.2	82.5°	610.7	599.1	586.6	574.1	571.8	569.5	560.3	551.1	599.8	648.5
409.6	85°	397.3	385.0	371.0	357.0	345.1	333.1	307.6	282.1	327.7	373.4
181.0	87.5°	176.0	171.1	168.5	165.8	165.3	164.8	145.4	125.8	144.9	164.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4287.1	0°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
3968.8	2.5°	3953.2	3941.0	3928.8	3917.6	3906.3	3892.3	3906.3	3917.6	3928.8	3941.0
3734.2	5°	3712.6	3697.3	3682.0	3670.4	3658.7	3647.2	3658.7	3670.4	3682.0	3697.3
3593.5	7.5°	3567.9	3550.3	3532.8	3522.3	3511.9	3504.0	3511.9	3522.3	3532.8	3550.3
3553.1	10°	3524.1	3507.5	3490.9	3482.0	3473.1	3469.5	3473.1	3482.0	3490.9	3507.5
3625.8	12.5°	3588.8	3570.2	3551.8	3544.2	3536.6	3535.3	3536.6	3544.2	3551.8	3570.2
3778.8	15°	3722.5	3696.7	3671.0	3661.1	3651.3	3650.5	3651.3	3661.1	3671.0	3696.7
3934.1	17.5°	3851.2	3813.0	3774.7	3762.2	3749.5	3747.5	3749.5	3762.2	3774.7	3813.0
4030.8	20°	3929.3	3880.4	3831.4	3815.8	3800.2	3795.2	3800.2	3815.8	3831.4	3880.4
4036.9	22.5°	3932.1	3880.6	3828.9	3811.7	3794.4	3787.0	3794.4	3811.7	3828.9	3880.6
3945.3	25°	3852.5	3807.7	3763.1	3746.9	3730.7	3721.2	3730.7	3746.9	3763.1	3807.7
3768.7	27.5°	3696.5	3666.6	3636.5	3629.1	3621.7	3619.2	3621.7	3629.1	3636.5	3666.6
3556.4	30°	3504.4	3489.1	3473.6	3473.6	3473.6	3476.1	3473.6	3473.6	3473.6	3489.1
3352.9	32.5°	3311.6	3301.5	3291.5	3292.8	3294.3	3296.8	3294.3	3292.8	3291.5	3301.5
3179.3	35°	3141.3	3126.0	3110.9	3107.6	3104.3	3102.6	3104.3	3107.6	3110.9	3126.0
3031.7	37.5°	2996.5	2968.7	2941.1	2926.5	2911.8	2903.6	2911.8	2926.5	2941.1	2968.7
2893.5	40°	2863.8	2823.3	2783.2	2755.9	2728.9	2712.8	2728.9	2755.9	2783.2	2823.3
2754.2	42.5°	2729.2	2679.0	2628.9	2589.2	2549.6	2523.6	2549.6	2589.2	2628.9	2679.0
2619.3	45°	2596.8	2539.4	2482.1	2435.6	2389.0	2359.1	2389.0	2435.6	2482.1	2539.4
2507.8	47.5°	2492.0	2441.0	2390.0	2346.9	2303.9	2275.2	2303.9	2346.9	2390.0	2441.0
2430.1	50°	2429.5	2388.7	2347.9	2308.1	2268.3	2240.6	2268.3	2308.1	2347.9	2388.7
2378.8	52.5°	2387.4	2354.1	2320.9	2285.2	2249.7	2224.2	2249.7	2285.2	2320.9	2354.1
2336.0	55°	2347.9	2318.9	2290.0	2258.7	2227.5	2204.4	2227.5	2258.7	2290.0	2318.9
2294.1	57.5°	2306.1	2276.8	2247.5	2216.6	2185.5	2161.6	2185.5	2216.6	2247.5	2276.8
2234.9	60°	2248.0	2219.4	2190.9	2159.0	2127.1	2102.4	2127.1	2159.0	2190.9	2219.4
2142.7	62.5°	2155.4	2129.6	2103.7	2070.2	2036.6	2007.0	2036.6	2070.2	2103.7	2129.6
2017.5	65°	2030.4	2005.5	1980.7	1948.1	1915.7	1890.2	1915.7	1948.1	1980.7	2005.5
1875.2	67.5°	1887.7	1864.9	1842.2	1811.9	1781.6	1758.6	1781.6	1811.9	1842.2	1864.9
1723.1	70°	1735.2	1716.7	1698.1	1669.1	1640.2	1613.8	1640.2	1669.1	1698.1	1716.7
1553.0	72.5°	1567.4	1552.0	1536.5	1508.9	1481.4	1455.9	1481.4	1508.9	1536.5	1552.0
1352.3	75°	1367.4	1359.8	1352.3	1329.1	1305.9	1281.5	1305.9	1329.1	1352.3	1359.8
1159.1	77.5°	1173.3	1162.8	1151.9	1128.5	1105.2	1085.8	1105.2	1128.5	1151.9	1162.8
935.4	80°	954.2	949.5	945.1	913.7	882.1	845.6	882.1	913.7	945.1	949.5
680.4	82.5°	712.3	710.4	708.2	681.7	655.1	631.7	655.1	681.7	708.2	710.4
412.9	85°	452.4	449.1	445.8	425.1	404.4	383.3	404.4	425.1	445.8	449.1
180.1	87.5°	196.1	192.1	187.9	177.3	166.5	156.3	166.5	177.3	187.9	192.1
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°
4287.1	0°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
3953.2	2.5°	3968.8	3984.4	4003.8	4023.1	4047.9	4072.9	4097.8	4122.6	4150.9	4179.4
3712.6	5°	3734.2	3755.7	3786.7	3817.4	3857.6	3897.5	3941.6	3985.7	4035.6	4085.6
3567.9	7.5°	3593.5	3619.2	3655.7	3692.4	3741.3	3790.3	3845.9	3901.3	3967.1	4032.9
3524.1	10°	3553.1	3581.7	3625.6	3669.4	3724.5	3779.6	3839.5	3899.2	3965.0	4030.8
3588.8	12.5°	3625.8	3662.8	3718.7	3774.7	3831.6	3888.7	3935.4	3982.4	4025.9	4069.6
3722.5	15°	3778.8	3835.0	3914.7	3994.3	4043.8	4093.3	4105.5	4117.7	4111.7	4105.8
3851.2	17.5°	3934.1	4017.0	4122.4	4227.9	4267.7	4307.7	4269.7	4231.5	4159.8	4088.1
3929.3	20°	4030.8	4132.5	4252.9	4373.5	4392.1	4410.5	4330.7	4250.9	4126.2	4001.7
3932.1	22.5°	4036.9	4141.5	4256.7	4371.8	4360.8	4349.6	4245.8	4142.0	3999.5	3857.4
3852.5	25°	3945.3	4038.4	4132.6	4227.1	4189.1	4150.9	4048.7	3946.6	3818.6	3690.8
3696.5	27.5°	3768.7	3841.0	3908.1	3975.4	3932.8	3890.3	3808.4	3726.5	3621.5	3516.4
3504.4	30°	3556.4	3608.0	3659.3	3710.5	3676.0	3641.4	3573.3	3505.4	3418.2	3331.0
3311.6	32.5°	3352.9	3394.2	3441.4	3488.4	3449.9	3411.6	3346.3	3281.1	3211.4	3141.8
3141.3	35°	3179.3	3217.5	3250.9	3284.4	3238.4	3192.3	3127.6	3063.2	3010.2	2957.1
2996.5	37.5°	3031.7	3066.8	3082.2	3097.7	3040.8	2983.9	2919.4	2855.1	2817.1	2778.9
2863.8	40°	2893.5	2923.3	2919.7	2915.9	2850.3	2784.8	2722.6	2660.4	2633.0	2605.5
2729.2	42.5°	2754.2	2779.4	2760.5	2741.5	2670.8	2600.1	2541.0	2482.1	2459.6	2437.2
2596.8	45°	2619.3	2642.0	2614.9	2587.7	2514.4	2441.0	2385.1	2329.1	2310.0	2291.3
2492.0	47.5°	2507.8	2523.6	2492.3	2461.1	2388.7	2316.3	2261.7	2206.9	2189.3	2171.5
2429.5	50°	2430.1	2431.1	2391.0	2350.8	2286.0	2221.2	2169.7	2118.1	2090.3	2062.6
2387.4	52.5°	2378.8	2370.2	2322.7	2275.2	2214.6	2154.2	2107.0	2059.7	2018.2	1976.6
2347.9	55°	2336.0	2324.2	2273.7	2223.3	2170.5	2117.6	2066.6	2015.6	1956.7	1897.6
2306.1	57.5°	2294.1	2282.1	2231.4	2180.6	2128.1	2075.8	2015.9	1956.0	1892.5	1829.0
2248.0	60°	2234.9	2221.7	2170.7	2119.7	2066.4	2013.3	1944.5	1875.7	1820.1	1764.4
2155.4	62.5°	2142.7	2130.1	2083.3	2036.6	1979.9	1923.1	1842.8	1762.7	1727.3	1692.0
2030.4	65°	2017.5	2004.5	1963.4	1922.3	1868.0	1813.7	1727.7	1641.8	1628.3	1614.7
1887.7	67.5°	1875.2	1862.6	1827.0	1791.5	1740.2	1688.7	1609.2	1529.9	1534.2	1538.5
1735.2	70°	1723.1	1710.9	1678.8	1646.7	1602.3	1557.9	1488.1	1418.4	1433.2	1448.0
1567.4	72.5°	1553.0	1538.5	1507.1	1475.6	1435.5	1395.4	1340.6	1285.6	1307.2	1328.9
1367.4	75°	1352.3	1337.1	1308.5	1279.9	1243.5	1207.2	1166.4	1125.6	1146.5	1167.2
1173.3	77.5°	1159.1	1145.0	1115.0	1084.9	1053.7	1022.4	989.4	956.1	977.2	998.2
954.2	80°	935.4	916.6	893.9	871.1	844.8	818.4	791.0	763.3	781.1	798.7
712.3	82.5°	680.4	648.5	599.8	551.1	560.3	569.5	571.8	574.1	586.6	599.1
452.4	85°	412.9	373.4	327.7	282.1	307.6	333.1	345.1	357.0	371.0	385.0
196.1	87.5°	180.1	164.2	144.9	125.8	145.4	164.8	165.3	165.8	168.5	171.1
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°
4287.1	0°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
4210.8	2.5°	4242.4	4281.3	4316.4	4352.6	4388.8	4426.6	4464.4	4502.0	4539.6	4575.0
4145.3	5°	4204.9	4273.1	4342.2	4415.4	4488.6	4566.9	4645.4	4723.2	4801.2	4879.3
4112.1	7.5°	4191.4	4279.7	4374.0	4476.1	4578.3	4694.3	4810.2	4929.3	5048.5	5177.3
4114.4	10°	4197.9	4292.9	4409.2	4530.3	4651.0	4792.0	4932.8	5090.1	5247.5	5410.5
4137.7	12.5°	4206.2	4294.5	4416.7	4553.4	4690.2	4856.3	5022.5	5200.8	5379.1	5558.1
4138.4	15°	4171.1	4241.9	4377.3	4535.5	4693.8	4885.1	5076.4	5269.9	5463.3	5650.1
4076.2	17.5°	4064.2	4107.8	4267.0	4457.4	4647.7	4869.8	5091.9	5302.9	5514.0	5703.4
3945.7	20°	3889.8	3901.3	4086.7	4322.6	4558.5	4827.7	5096.8	5328.8	5560.7	5757.7
3774.7	22.5°	3691.9	3669.4	3880.4	4164.5	4448.7	4776.0	5103.4	5363.7	5623.7	5824.9
3595.3	25°	3499.9	3439.1	3655.4	3988.0	4320.8	4725.0	5129.4	5426.8	5724.1	5921.0
3424.3	27.5°	3332.1	3258.1	3455.0	3826.6	4198.3	4691.0	5183.7	5525.5	5867.2	6055.2
3257.6	30°	3184.6	3126.5	3291.8	3691.7	4091.7	4675.0	5258.0	5653.4	6048.7	6230.1
3098.5	32.5°	3055.3	3029.4	3162.7	3575.4	3988.0	4655.3	5322.2	5786.8	6251.3	6431.0
2945.0	35°	2933.2	2943.9	3054.9	3461.1	3867.3	4618.1	5369.2	5938.8	6508.3	6680.5
2792.0	37.5°	2805.2	2844.4	2941.4	3326.5	3711.7	4554.4	5397.2	6109.0	6820.9	7040.3
2635.3	40°	2665.0	2725.1	2813.1	3166.0	3518.8	4466.7	5414.8	6325.2	7235.4	7555.2
2476.7	42.5°	2516.2	2591.8	2672.9	2988.8	3304.7	4376.3	5448.2	6608.0	7767.8	8229.4
2329.6	45°	2368.1	2441.3	2523.6	2800.6	3077.6	4292.2	5506.9	6980.1	8453.3	9076.0
2203.8	47.5°	2236.0	2299.0	2405.1	2651.7	2898.3	4222.8	5547.2	7376.6	9205.9	10082.4
2091.1	50°	2119.7	2192.9	2332.4	2552.9	2773.3	4147.1	5520.9	7744.4	9967.9	11289.3
2004.7	52.5°	2033.0	2135.3	2295.7	2487.7	2679.9	4019.3	5358.9	7983.3	10607.5	12557.0
1942.2	55°	1986.9	2141.1	2290.3	2440.5	2590.7	3807.4	5024.1	7930.7	10837.0	13680.9
1894.2	57.5°	1959.3	2146.8	2278.5	2384.6	2490.7	3508.6	4526.5	7560.2	10594.1	14477.5
1848.9	60°	1933.3	2128.7	2215.6	2299.0	2382.4	3120.7	3859.1	6870.7	9882.4	14676.5
1797.4	62.5°	1903.0	2084.3	2095.0	2150.3	2205.7	2656.5	3107.2	5938.4	8769.6	13838.3
1727.0	65°	1839.2	1977.4	1976.1	2002.2	2028.4	2238.8	2449.2	4987.3	7525.5	12652.4
1631.9	67.5°	1725.4	1803.0	1806.6	1792.2	1777.5	1837.4	1897.1	4055.5	6213.8	11241.1
1514.5	70°	1580.9	1606.4	1606.4	1538.8	1471.0	1454.1	1437.0	3193.1	4949.3	9701.1
1374.5	72.5°	1420.0	1419.7	1403.6	1307.7	1211.6	1160.0	1108.5	2441.1	3773.8	8031.7
1202.4	75°	1237.4	1243.7	1169.3	1061.7	954.2	907.4	860.7	1771.8	2682.8	6117.9
1026.4	77.5°	1054.5	1057.8	935.2	830.8	726.3	694.4	662.6	1200.6	1738.5	4282.0
822.4	80°	845.9	846.4	700.0	611.6	523.1	510.0	496.8	773.5	1050.4	2758.8
610.7	82.5°	622.2	615.3	490.2	425.1	359.9	357.3	355.0	475.8	596.8	1596.7
397.3	85°	409.6	400.6	307.6	259.9	212.2	213.5	214.7	254.3	294.1	718.2
176.0	87.5°	181.0	169.4	130.8	111.2	91.8	92.9	94.1	105.5	116.8	235.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4287.1	0°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
4610.4	2.5°	4627.8	4645.4	4670.2	4695.1	4709.9	4724.7	4732.1	4739.5	4736.2	4739.5
4957.5	5°	5018.5	5079.7	5140.2	5201.0	5233.9	5266.8	5286.7	5306.7	5321.9	5306.7
5306.2	7.5°	5405.6	5504.8	5594.1	5683.5	5737.3	5791.0	5820.2	5849.1	5863.1	5849.1
5573.6	10°	5691.0	5808.5	5913.3	6018.1	6081.6	6144.7	6173.0	6201.2	6211.9	6201.2
5737.3	12.5°	5864.6	5991.7	6086.5	6180.9	6227.0	6273.1	6288.5	6304.0	6305.6	6304.0
5836.8	15°	5946.7	6056.4	6115.8	6175.3	6177.0	6178.6	6162.2	6145.7	6126.3	6145.7
5892.7	17.5°	5966.9	6041.1	6042.3	6043.2	5976.6	5910.0	5849.0	5787.8	5744.7	5787.8
5954.4	20°	5980.2	6006.2	5928.1	5849.9	5702.9	5555.8	5448.7	5341.6	5275.8	5341.6
6026.0	22.5°	5992.1	5958.2	5796.3	5634.4	5418.1	5201.8	5067.9	4934.0	4861.2	4934.0
6118.1	25°	6011.2	5904.2	5658.5	5412.7	5150.0	4887.2	4746.4	4605.9	4537.2	4605.9
6243.1	27.5°	6052.0	5860.6	5535.1	5209.7	4918.5	4627.3	4488.8	4350.4	4285.5	4350.4
6411.7	30°	6126.6	5841.7	5441.0	5040.2	4736.9	4433.5	4305.0	4176.6	4116.0	4176.6
6610.8	32.5°	6220.4	5830.2	5376.8	4923.4	4638.3	4353.2	4252.4	4151.4	4107.8	4151.4
6852.6	35°	6374.9	5897.3	5424.9	4952.5	4754.5	4556.6	4533.0	4509.5	4505.9	4509.5
7259.8	37.5°	6697.8	6135.9	5706.5	5277.1	5264.3	5251.5	5359.0	5466.6	5522.6	5466.6
7875.0	40°	7263.9	6652.7	6333.4	6014.1	6239.5	6464.9	6726.4	6988.0	7118.3	6988.0
8691.0	42.5°	8084.6	7478.3	7294.3	7110.4	7602.0	8093.5	8569.3	9045.0	9324.4	9045.0
9698.6	45°	9153.9	8609.1	8528.0	8446.7	9234.2	10021.9	10803.6	11585.6	12060.2	11585.6
10958.8	47.5°	10428.9	9898.8	9882.4	9865.9	11002.0	12137.8	13282.3	14426.6	15098.6	14426.6
12610.4	50°	11955.9	11301.4	11304.2	11307.0	12771.2	14235.3	15746.0	17256.7	18170.0	17256.7
14506.4	52.5°	13713.8	12921.4	12841.2	12761.0	14509.9	16258.8	18127.9	19996.9	21091.7	19996.9
16524.9	55°	15741.9	14958.8	14646.4	14334.0	16280.5	18226.8	20455.1	22683.3	23985.4	22683.3
18360.9	57.5°	17934.4	17507.9	16881.3	16254.8	18220.2	20185.6	22709.5	25233.2	26847.9	25233.2
19470.5	60°	20132.8	20795.3	20017.1	19239.0	21098.9	22958.9	25661.1	28363.3	30108.4	28363.3
18907.0	62.5°	20716.8	22526.6	22438.9	22351.0	24054.8	25758.8	28329.8	30900.6	32513.6	30900.6
17779.3	65°	19477.9	21176.4	21512.5	21848.4	24013.7	26179.1	28672.1	31164.9	32538.2	31164.9
16268.3	67.5°	17883.8	19499.3	19656.9	19814.3	22070.4	24326.3	26829.9	29333.6	30409.5	29333.6
14452.9	70°	16210.1	17967.4	18037.8	18108.3	20125.9	22143.2	24297.8	26452.2	27050.2	26452.2
12289.6	72.5°	14306.0	16322.6	16373.3	16423.8	18002.2	19580.7	21194.4	22807.9	22868.4	22807.9
9553.0	75°	11640.0	13727.0	13914.3	14101.7	15329.8	16557.8	17693.8	18829.7	18525.4	18829.7
6825.5	77.5°	8773.6	10721.9	10990.0	11258.2	12191.8	13125.4	13931.0	14736.7	14213.6	14736.7
4467.2	80°	6106.2	7745.1	8078.4	8411.7	9116.8	9821.5	10244.6	10667.6	9826.1	10667.6
2596.8	82.5°	3717.2	4837.9	5210.2	5582.6	6067.9	6553.2	6729.7	6906.1	6244.8	6906.1
1142.5	85°	1737.2	2331.9	2648.6	2965.3	3364.0	3762.7	3862.8	3963.0	3433.3	3963.0
353.7	87.5°	553.6	753.5	930.1	1106.8	1306.2	1505.6	1514.1	1522.5	1278.2	1522.5
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°
4287.1	0°	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1	4287.1
4732.1	2.5°	4724.7	4709.9	4695.1	4670.2	4645.4	4627.8	4610.4
5286.7	5°	5266.8	5233.9	5201.0	5140.2	5079.7	5018.5	4957.5
5820.2	7.5°	5791.0	5737.3	5683.5	5594.1	5504.8	5405.6	5306.2
6173.0	10°	6144.7	6081.6	6018.1	5913.3	5808.5	5691.0	5573.6
6288.5	12.5°	6273.1	6227.0	6180.9	6086.5	5991.7	5864.6	5737.3
6162.2	15°	6178.6	6177.0	6175.3	6115.8	6056.4	5946.7	5836.8
5849.0	17.5°	5910.0	5976.6	6043.2	6042.3	6041.1	5966.9	5892.7
5448.7	20°	5555.8	5702.9	5849.9	5928.1	6006.2	5980.2	5954.4
5067.9	22.5°	5201.8	5418.1	5634.4	5796.3	5958.2	5992.1	6026.0
4746.4	25°	4887.2	5150.0	5412.7	5658.5	5904.2	6011.2	6118.1
4488.8	27.5°	4627.3	4918.5	5209.7	5535.1	5860.6	6052.0	6243.1
4305.0	30°	4433.5	4736.9	5040.2	5441.0	5841.7	6126.6	6411.7
4252.4	32.5°	4353.2	4638.3	4923.4	5376.8	5830.2	6220.4	6610.8
4533.0	35°	4556.6	4754.5	4952.5	5424.9	5897.3	6374.9	6852.6
5359.0	37.5°	5251.5	5264.3	5277.1	5706.5	6135.9	6697.8	7259.8
6726.4	40°	6464.9	6239.5	6014.1	6333.4	6652.7	7263.9	7875.0
8569.3	42.5°	8093.5	7602.0	7110.4	7294.3	7478.3	8084.6	8691.0
10803.6	45°	10021.9	9234.2	8446.7	8528.0	8609.1	9153.9	9698.6
13282.3	47.5°	12137.8	11002.0	9865.9	9882.4	9898.8	10428.9	10958.8
15746.0	50°	14235.3	12771.2	11307.0	11304.2	11301.4	11955.9	12610.4
18127.9	52.5°	16258.8	14509.9	12761.0	12841.2	12921.4	13713.8	14506.4
20455.1	55°	18226.8	16280.5	14334.0	14646.4	14958.8	15741.9	16524.9
22709.5	57.5°	20185.6	18220.2	16254.8	16881.3	17507.9	17934.4	18360.9
25661.1	60°	22958.9	21098.9	19239.0	20017.1	20795.3	20132.8	19470.5
28329.8	62.5°	25758.8	24054.8	22351.0	22438.9	22526.6	20716.8	18907.0
28672.1	65°	26179.1	24013.7	21848.4	21512.5	21176.4	19477.9	17779.3
26829.9	67.5°	24326.3	22070.4	19814.3	19656.9	19499.3	17883.8	16268.3
24297.8	70°	22143.2	20125.9	18108.3	18037.8	17967.4	16210.1	14452.9
21194.4	72.5°	19580.7	18002.2	16423.8	16373.3	16322.6	14306.0	12289.6
17693.8	75°	16557.8	15329.8	14101.7	13914.3	13727.0	11640.0	9553.0
13931.0	77.5°	13125.4	12191.8	11258.2	10990.0	10721.9	8773.6	6825.5
10244.6	80°	9821.5	9116.8	8411.7	8078.4	7745.1	6106.2	4467.2
6729.7	82.5°	6553.2	6067.9	5582.6	5210.2	4837.9	3717.2	2596.8
3862.8	85°	3762.7	3364.0	2965.3	2648.6	2331.9	1737.2	1142.5
1514.1	87.5°	1505.6	1306.2	1106.8	930.1	753.5	553.6	353.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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