

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: P955006

Luminaire Tested: **GALN-SB8A-830-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955006  
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-SB8A-830-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

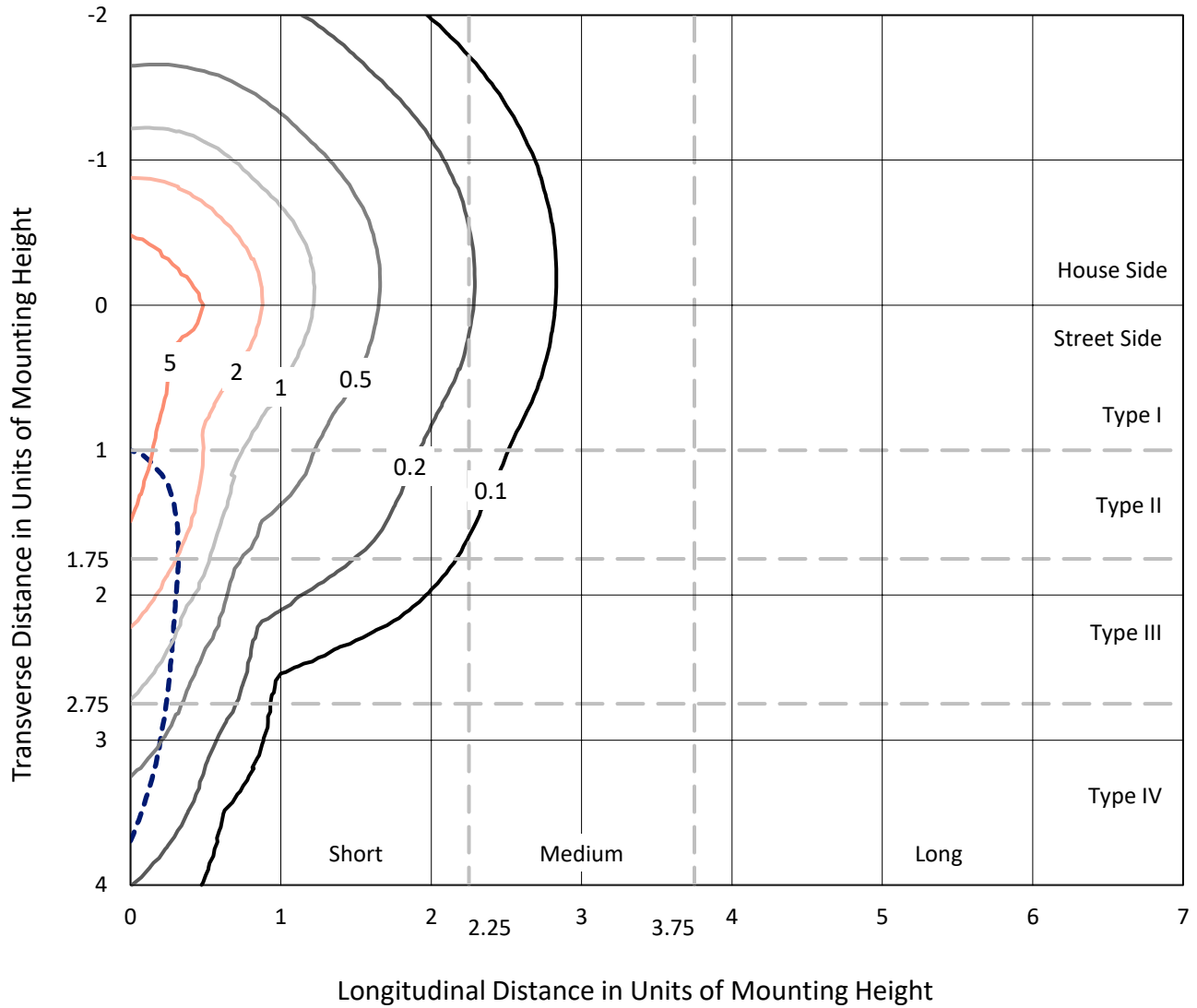
Lumens per Lamp: N/A  
Luminaire Lumens: 32476 lumens  
Efficiency: N/A  
Efficacy: 143.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): 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

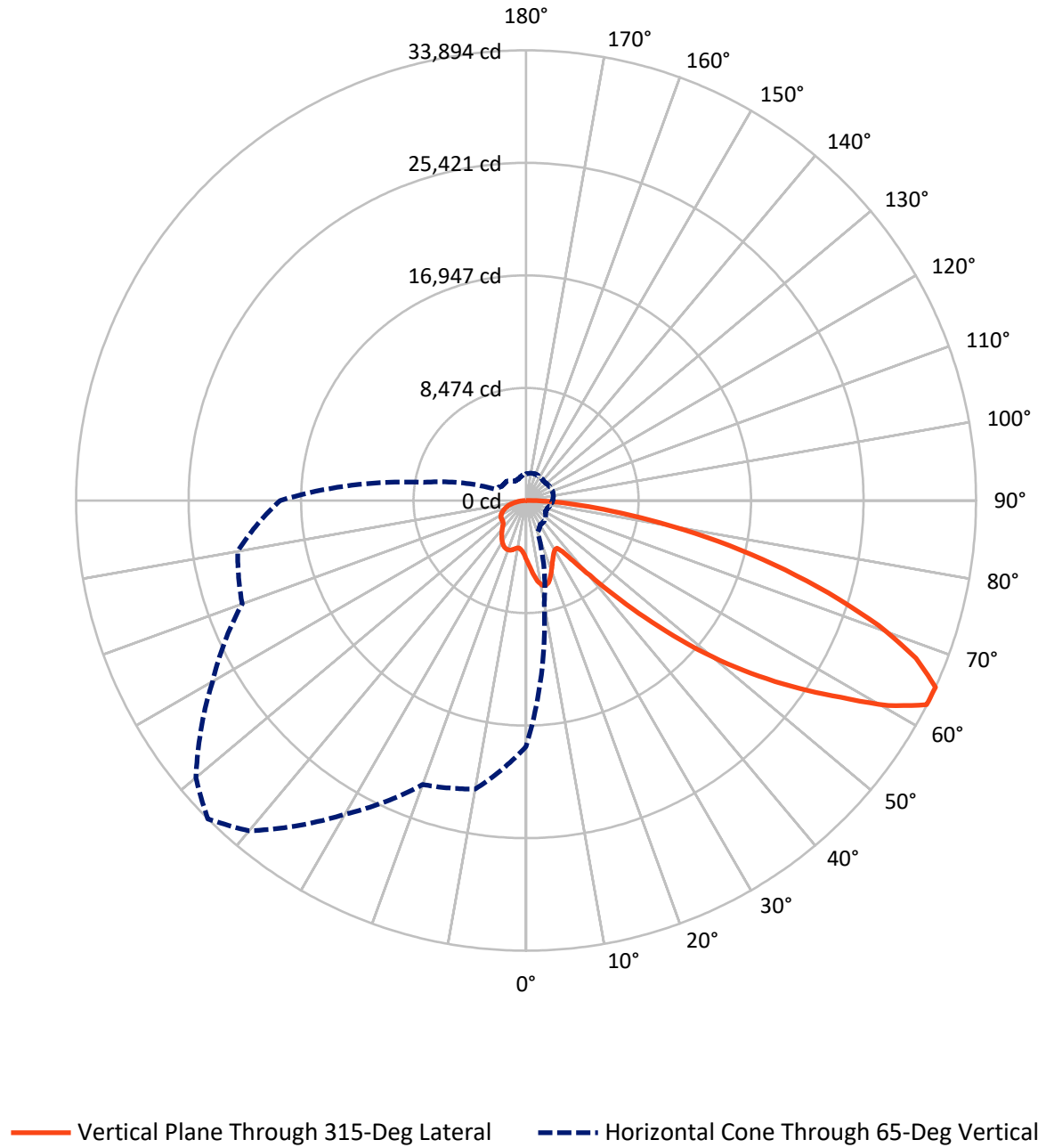
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8253.8	0.0	8253.8
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	24222.2	0.0	24222.2
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	32476.0	0.0	32476.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	443.0	1.4
10°-20°	1390.7	4.3
20°-30°	2148.1	6.6
30°-40°	2722.2	8.4
40°-50°	4105.7	12.6
50°-60°	6633.4	20.4
60°-70°	8269.6	25.5
70°-80°	5422.8	16.7
80°-90°	1340.6	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°	32476.0	100.0
0°-180°	32476.0	100.0



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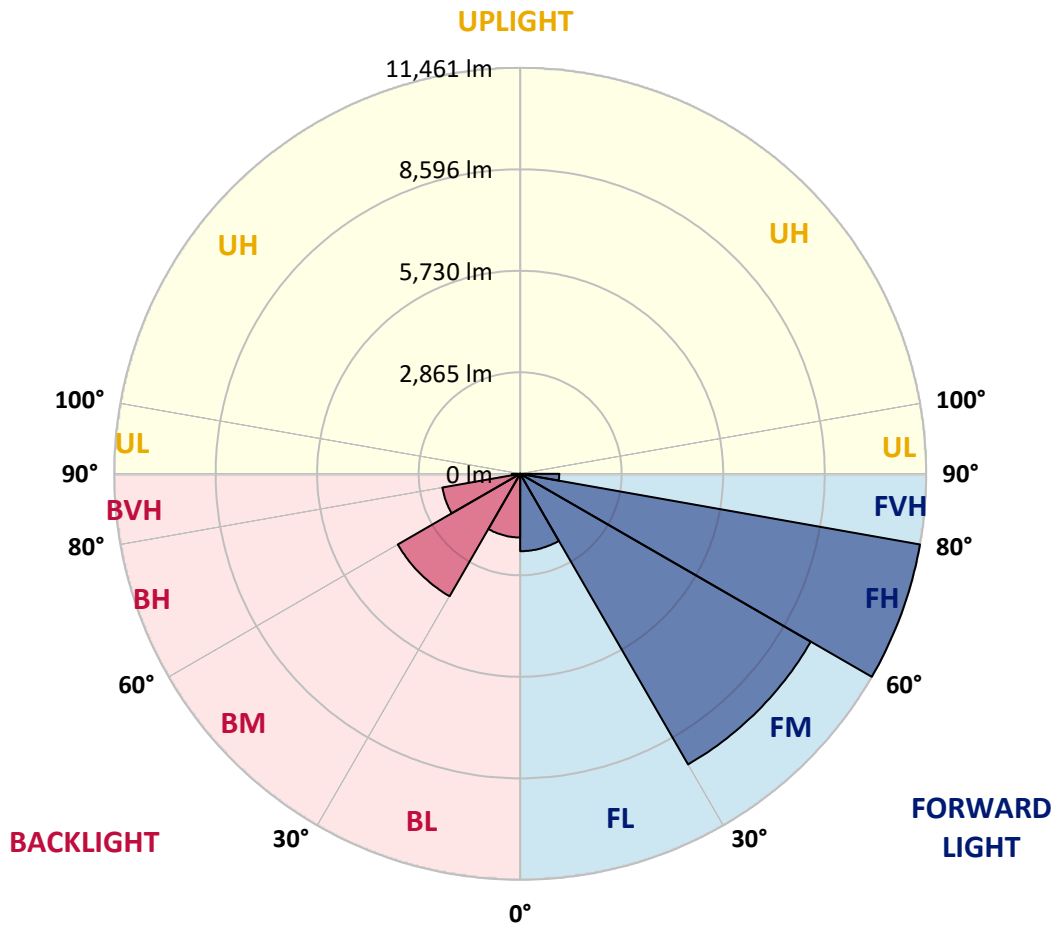
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2184.4	6.7			
FM (30°-60°)	9472.5	29.2			
FH (60°-80°)	11460.9	35.3			G4/12000
FVH (80°-90°)	1104.4	3.4			G5
BL (0°-30°)	1797.4	5.5	B3/2500		
BM (30°-60°)	3988.7	12.3	B3/5000		
BH (60°-80°)	2231.4	6.9	B3/2500		G3/2500
BVH (80°-90°)	236.2	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°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
2.5°	4802.5	4765.6	4728.8	4689.5	4650.5	4611.0	4571.6	4533.9	4496.2	4459.7
5°	5164.0	5082.6	5001.2	4920.0	4839.0	4757.2	4675.6	4599.4	4523.1	4451.2
7.5°	5527.3	5393.0	5258.8	5134.7	5010.7	4889.9	4769.0	4662.6	4556.2	4458.0
10°	5805.8	5636.0	5466.1	5302.2	5138.3	4991.6	4844.8	4719.0	4592.9	4471.7
12.5°	5976.3	5789.7	5603.2	5417.5	5231.7	5058.6	4885.6	4743.2	4600.8	4473.4
15°	6080.0	5885.5	5691.0	5489.5	5287.9	5088.6	4889.3	4724.5	4559.6	4418.6
17.5°	6138.2	5941.0	5743.8	5523.9	5304.0	5072.7	4841.4	4643.1	4444.8	4278.9
20°	6202.5	5997.5	5792.4	5550.8	5309.2	5028.8	4748.5	4502.7	4257.0	4063.9
22.5°	6277.0	6067.6	5858.1	5587.1	5316.0	4975.0	4634.0	4338.1	4042.1	3822.3
25°	6373.0	6167.7	5962.6	5652.9	5343.1	4921.9	4500.9	4154.2	3807.7	3582.4
27.5°	6503.2	6307.5	6111.7	5755.8	5399.7	4886.4	4373.2	3986.1	3599.0	3393.9
30°	6678.9	6489.7	6300.7	5888.9	5477.1	4869.8	4262.1	3845.6	3429.0	3256.8
32.5°	6886.2	6698.9	6511.8	6027.9	5543.9	4849.2	4154.2	3724.4	3294.5	3155.7
35°	7138.1	6958.9	6779.5	6186.2	5593.0	4810.5	4028.4	3605.3	3182.2	3066.5
37.5°	7562.3	7333.7	7105.1	6363.6	5622.1	4744.2	3866.3	3465.1	3064.0	2962.9
40°	8203.2	7870.0	7536.9	6588.8	5640.4	4652.9	3665.5	3297.9	2930.3	2838.6
42.5°	9053.1	8572.3	8091.4	6883.3	5675.2	4558.6	3442.3	3113.3	2784.3	2699.8
45°	10102.7	9454.1	8805.5	7270.9	5736.4	4471.0	3205.9	2917.3	2628.7	2543.0
47.5°	11415.4	10502.5	9589.5	7683.9	5778.4	4398.7	3019.1	2762.2	2505.3	2394.8
50°	13135.9	11759.6	10383.2	8067.1	5751.0	4319.9	2888.8	2659.2	2429.6	2284.3
52.5°	15110.8	13080.2	11049.5	8315.9	5582.2	4186.8	2791.5	2591.4	2391.4	2224.3
55°	17213.5	14250.9	11288.6	8261.1	5233.4	3966.0	2698.6	2542.2	2385.7	2230.3
57.5°	19125.9	15080.7	11035.5	7875.2	4715.1	3654.8	2594.4	2483.9	2373.4	2236.3
60°	20281.7	15288.0	10294.1	7157.0	4019.8	3250.8	2481.7	2394.8	2307.9	2217.4
62.5°	19694.8	14414.9	9135.0	6185.9	3236.7	2767.2	2297.6	2239.9	2182.3	2171.2
65°	18520.1	13179.6	7839.0	5195.1	2551.3	2332.1	2112.9	2085.7	2058.4	2059.8
67.5°	16946.1	11709.4	6472.7	4224.5	1976.2	1914.0	1851.6	1866.8	1881.9	1878.1
70°	15055.1	10105.3	5155.5	3326.2	1496.9	1514.7	1532.3	1602.9	1673.4	1673.4
72.5°	12801.7	8366.3	3931.1	2542.9	1154.6	1208.3	1262.1	1362.2	1462.1	1478.9
75°	9951.1	6372.8	2794.6	1845.6	896.6	945.2	993.9	1106.0	1218.1	1295.5
77.5°	7109.9	4460.4	1811.0	1250.6	690.3	723.3	756.6	865.4	974.2	1101.9
80°	4653.4	2873.8	1094.2	805.8	517.5	531.2	544.9	637.1	729.2	881.7
82.5°	2705.0	1663.3	621.7	495.6	369.8	372.2	374.9	442.8	510.7	640.9
85°	1190.1	748.2	306.4	264.9	223.6	222.4	221.1	270.8	320.4	417.3
87.5°	368.4	245.0	121.7	109.8	98.0	96.8	95.6	115.8	136.2	176.5
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°
4465.7	0°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
4419.1	2.5°	4386.2	4353.5	4323.8	4294.4	4268.5	4242.6	4216.6	4190.7	4170.6	4150.4
4380.0	5°	4318.0	4255.8	4203.7	4151.8	4105.9	4059.9	4018.3	3976.5	3944.4	3912.2
4366.0	7.5°	4283.4	4201.0	4132.4	4063.9	4006.1	3948.2	3897.1	3846.3	3808.0	3770.0
4372.9	10°	4285.8	4198.7	4130.2	4061.7	3999.4	3937.1	3879.7	3822.3	3776.7	3730.9
4381.4	12.5°	4310.1	4239.2	4193.6	4148.4	4099.4	4050.7	3991.2	3931.9	3873.7	3815.4
4344.9	15°	4310.8	4276.9	4283.1	4289.2	4276.5	4263.9	4212.3	4160.7	4077.8	3994.8
4233.5	17.5°	4246.0	4258.4	4333.1	4407.8	4447.6	4487.2	4445.5	4404.0	4294.2	4184.4
4051.9	20°	4110.2	4168.4	4298.1	4428.0	4511.1	4594.3	4575.1	4555.7	4430.1	4304.6
3845.7	22.5°	3931.9	4018.1	4166.2	4314.6	4422.7	4530.8	4542.5	4554.0	4434.0	4314.1
3645.8	25°	3745.1	3844.5	3977.7	4111.0	4217.4	4323.8	4363.6	4403.2	4304.8	4206.6
3471.0	27.5°	3566.9	3662.9	3772.4	3881.7	3967.1	4052.4	4096.6	4141.0	4070.9	4001.0
3317.3	30°	3393.3	3469.8	3560.6	3651.4	3722.2	3793.1	3829.1	3865.1	3811.8	3758.3
3182.6	32.5°	3227.6	3272.7	3345.2	3417.8	3485.7	3553.7	3593.7	3633.8	3584.8	3535.6
3055.4	35°	3067.7	3080.3	3135.6	3190.8	3258.0	3325.3	3373.3	3421.3	3386.3	3351.5
2922.1	37.5°	2908.4	2894.7	2934.4	2974.0	3041.0	3108.2	3167.5	3226.8	3210.7	3194.6
2776.1	40°	2745.1	2714.1	2742.7	2771.3	2836.1	2900.8	2969.0	3037.4	3041.4	3045.1
2621.0	42.5°	2579.9	2538.7	2562.1	2585.5	2646.9	2708.4	2782.1	2855.8	2875.5	2895.2
2466.8	45°	2426.7	2386.7	2406.3	2426.2	2484.4	2542.7	2619.1	2695.5	2723.8	2752.1
2329.2	47.5°	2295.6	2262.0	2280.5	2298.8	2355.9	2412.8	2488.2	2563.6	2596.2	2628.7
2208.0	50°	2178.2	2148.6	2177.3	2206.3	2260.1	2313.7	2381.3	2448.8	2490.6	2532.4
2117.7	52.5°	2088.2	2058.9	2102.3	2145.5	2194.8	2244.0	2306.9	2370.0	2419.5	2469.0
2069.7	55°	2023.1	1976.7	2038.2	2099.5	2152.7	2205.8	2261.0	2316.0	2368.4	2421.0
2040.9	57.5°	1973.1	1905.2	1971.4	2037.5	2099.9	2162.3	2216.8	2271.4	2324.4	2377.2
2013.9	60°	1926.0	1837.9	1896.0	1953.9	2025.5	2097.1	2152.5	2208.0	2261.1	2314.3
1982.3	62.5°	1872.3	1762.5	1799.3	1836.2	1919.6	2003.2	2062.4	2121.5	2170.1	2218.8
1915.8	65°	1799.0	1681.9	1696.2	1710.2	1799.7	1889.3	1945.8	2002.4	2045.2	2088.1
1797.3	67.5°	1699.9	1602.6	1598.1	1593.7	1676.3	1759.0	1812.7	1866.1	1903.2	1940.2
1646.8	70°	1577.6	1508.3	1492.9	1477.5	1550.2	1622.8	1669.1	1715.3	1748.8	1782.2
1479.2	72.5°	1431.7	1384.3	1361.7	1339.2	1396.4	1453.5	1495.3	1537.1	1569.9	1602.6
1289.0	75°	1252.5	1215.8	1194.2	1172.5	1215.0	1257.5	1295.3	1333.2	1363.0	1392.8
1098.4	77.5°	1069.1	1039.8	1017.9	996.0	1030.6	1065.0	1097.6	1130.1	1161.5	1192.7
881.2	80°	856.6	832.0	813.6	795.1	823.9	852.5	880.0	907.4	931.2	954.8
648.1	82.5°	636.1	624.1	611.1	598.1	595.7	593.3	583.7	574.1	624.8	675.5
426.7	85°	413.8	401.0	386.4	371.9	359.5	347.0	320.4	293.9	341.4	389.0
188.5	87.5°	183.4	178.2	175.5	172.7	172.2	171.7	151.5	131.1	151.0	171.0
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4465.7	0°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
4134.1	2.5°	4117.9	4105.2	4092.5	4080.8	4069.0	4054.5	4069.0	4080.8	4092.5	4105.2
3889.8	5°	3867.3	3851.4	3835.5	3823.3	3811.1	3799.1	3811.1	3823.3	3835.5	3851.4
3743.3	7.5°	3716.5	3698.2	3680.0	3669.1	3658.3	3650.0	3658.3	3669.1	3680.0	3698.2
3701.1	10°	3670.9	3653.6	3636.3	3627.1	3617.8	3614.1	3617.8	3627.1	3636.3	3653.6
3776.8	12.5°	3738.3	3718.9	3699.7	3691.9	3684.0	3682.6	3684.0	3691.9	3699.7	3718.9
3936.2	15°	3877.6	3850.7	3824.0	3813.7	3803.4	3802.6	3803.4	3813.7	3824.0	3850.7
4098.0	17.5°	4011.6	3971.9	3931.9	3918.9	3905.7	3903.7	3905.7	3918.9	3931.9	3971.9
4198.7	20°	4093.0	4042.1	3991.1	3974.8	3958.5	3953.4	3958.5	3974.8	3991.1	4042.1
4205.1	22.5°	4095.9	4042.3	3988.5	3970.5	3952.5	3944.8	3952.5	3970.5	3988.5	4042.3
4109.6	25°	4013.0	3966.4	3919.9	3903.0	3886.2	3876.2	3886.2	3903.0	3919.9	3966.4
3925.8	27.5°	3850.5	3819.3	3788.0	3780.3	3772.6	3770.0	3772.6	3780.3	3788.0	3819.3
3704.5	30°	3650.4	3634.4	3618.3	3618.3	3618.3	3620.9	3618.3	3618.3	3618.3	3634.4
3492.6	32.5°	3449.5	3439.1	3428.6	3430.0	3431.6	3434.1	3431.6	3430.0	3428.6	3439.1
3311.8	35°	3272.2	3256.2	3240.5	3237.1	3233.6	3231.9	3233.6	3237.1	3240.5	3256.2
3158.1	37.5°	3121.4	3092.4	3063.6	3048.4	3033.1	3024.6	3033.1	3048.4	3063.6	3092.4
3014.1	40°	2983.1	2940.9	2899.1	2870.7	2842.6	2825.8	2842.6	2870.7	2899.1	2940.9
2869.0	42.5°	2842.9	2790.7	2738.4	2697.1	2655.8	2628.7	2655.8	2697.1	2738.4	2790.7
2728.4	45°	2705.0	2645.2	2585.5	2537.0	2488.5	2457.4	2488.5	2537.0	2585.5	2645.2
2612.3	47.5°	2595.8	2542.7	2489.6	2444.7	2399.9	2370.0	2399.9	2444.7	2489.6	2542.7
2531.4	50°	2530.7	2488.2	2445.7	2404.2	2362.8	2334.0	2362.8	2404.2	2445.7	2488.2
2477.9	52.5°	2486.8	2452.2	2417.6	2380.4	2343.4	2316.8	2343.4	2380.4	2417.6	2452.2
2433.4	55°	2445.7	2415.5	2385.4	2352.8	2320.3	2296.3	2320.3	2352.8	2385.4	2415.5
2389.7	57.5°	2402.2	2371.7	2341.2	2309.0	2276.6	2251.7	2276.6	2309.0	2341.2	2371.7
2328.0	60°	2341.7	2311.9	2282.2	2249.0	2215.7	2190.0	2215.7	2249.0	2282.2	2311.9
2232.0	62.5°	2245.2	2218.3	2191.4	2156.4	2121.5	2090.6	2121.5	2156.4	2191.4	2218.3
2101.6	65°	2115.0	2089.1	2063.2	2029.3	1995.5	1969.0	1995.5	2029.3	2063.2	2089.1
1953.4	67.5°	1966.4	1942.6	1918.9	1887.4	1855.9	1831.9	1855.9	1887.4	1918.9	1942.6
1794.9	70°	1807.5	1788.2	1768.8	1738.7	1708.5	1681.1	1708.5	1738.7	1768.8	1788.2
1617.7	72.5°	1632.8	1616.6	1600.5	1571.7	1543.1	1516.6	1543.1	1571.7	1600.5	1616.6
1408.6	75°	1424.4	1416.5	1408.6	1384.4	1360.3	1334.9	1360.3	1384.4	1408.6	1416.5
1207.4	77.5°	1222.2	1211.2	1199.9	1175.6	1151.2	1131.0	1151.2	1175.6	1199.9	1211.2
974.4	80°	993.9	989.1	984.5	951.8	918.9	880.8	918.9	951.8	984.5	989.1
708.8	82.5°	742.0	739.9	737.7	710.1	682.4	658.0	682.4	710.1	737.7	739.9
430.1	85°	471.2	467.8	464.4	442.8	421.2	399.3	421.2	442.8	464.4	467.8
187.6	87.5°	204.3	200.2	195.7	184.7	173.4	162.8	173.4	184.7	195.7	200.2
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4465.7	0°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
4117.9	2.5°	4134.1	4150.4	4170.6	4190.7	4216.6	4242.6	4268.5	4294.4	4323.8	4353.5
3867.3	5°	3889.8	3912.2	3944.4	3976.5	4018.3	4059.9	4105.9	4151.8	4203.7	4255.8
3716.5	7.5°	3743.3	3770.0	3808.0	3846.3	3897.1	3948.2	4006.1	4063.9	4132.4	4201.0
3670.9	10°	3701.1	3730.9	3776.7	3822.3	3879.7	3937.1	3999.4	4061.7	4130.2	4198.7
3738.3	12.5°	3776.8	3815.4	3873.7	3931.9	3991.2	4050.7	4099.4	4148.4	4193.6	4239.2
3877.6	15°	3936.2	3994.8	4077.8	4160.7	4212.3	4263.9	4276.5	4289.2	4283.1	4276.9
4011.6	17.5°	4098.0	4184.4	4294.2	4404.0	4445.5	4487.2	4447.6	4407.8	4333.1	4258.4
4093.0	20°	4198.7	4304.6	4430.1	4555.7	4575.1	4594.3	4511.1	4428.0	4298.1	4168.4
4095.9	22.5°	4205.1	4314.1	4434.0	4554.0	4542.5	4530.8	4422.7	4314.6	4166.2	4018.1
4013.0	25°	4109.6	4206.6	4304.8	4403.2	4363.6	4323.8	4217.4	4111.0	3977.7	3844.5
3850.5	27.5°	3925.8	4001.0	4070.9	4141.0	4096.6	4052.4	3967.1	3881.7	3772.4	3662.9
3650.4	30°	3704.5	3758.3	3811.8	3865.1	3829.1	3793.1	3722.2	3651.4	3560.6	3469.8
3449.5	32.5°	3492.6	3535.6	3584.8	3633.8	3593.7	3553.7	3485.7	3417.8	3345.2	3272.7
3272.2	35°	3311.8	3351.5	3386.3	3421.3	3373.3	3325.3	3258.0	3190.8	3135.6	3080.3
3121.4	37.5°	3158.1	3194.6	3210.7	3226.8	3167.5	3108.2	3041.0	2974.0	2934.4	2894.7
2983.1	40°	3014.1	3045.1	3041.4	3037.4	2969.0	2900.8	2836.1	2771.3	2742.7	2714.1
2842.9	42.5°	2869.0	2895.2	2875.5	2855.8	2782.1	2708.4	2646.9	2585.5	2562.1	2538.7
2705.0	45°	2728.4	2752.1	2723.8	2695.5	2619.1	2542.7	2484.4	2426.2	2406.3	2386.7
2595.8	47.5°	2612.3	2628.7	2596.2	2563.6	2488.2	2412.8	2355.9	2298.8	2280.5	2262.0
2530.7	50°	2531.4	2532.4	2490.6	2448.8	2381.3	2313.7	2260.1	2206.3	2177.3	2148.6
2486.8	52.5°	2477.9	2469.0	2419.5	2370.0	2306.9	2244.0	2194.8	2145.5	2102.3	2058.9
2445.7	55°	2433.4	2421.0	2368.4	2316.0	2261.0	2205.8	2152.7	2099.5	2038.2	1976.7
2402.2	57.5°	2389.7	2377.2	2324.4	2271.4	2216.8	2162.3	2099.9	2037.5	1971.4	1905.2
2341.7	60°	2328.0	2314.3	2261.1	2208.0	2152.5	2097.1	2025.5	1953.9	1896.0	1837.9
2245.2	62.5°	2232.0	2218.8	2170.1	2121.5	2062.4	2003.2	1919.6	1836.2	1799.3	1762.5
2115.0	65°	2101.6	2088.1	2045.2	2002.4	1945.8	1889.3	1799.7	1710.2	1696.2	1681.9
1966.4	67.5°	1953.4	1940.2	1903.2	1866.1	1812.7	1759.0	1676.3	1593.7	1598.1	1602.6
1807.5	70°	1794.9	1782.2	1748.8	1715.3	1669.1	1622.8	1550.2	1477.5	1492.9	1508.3
1632.8	72.5°	1617.7	1602.6	1569.9	1537.1	1495.3	1453.5	1396.4	1339.2	1361.7	1384.3
1424.4	75°	1408.6	1392.8	1363.0	1333.2	1295.3	1257.5	1215.0	1172.5	1194.2	1215.8
1222.2	77.5°	1207.4	1192.7	1161.5	1130.1	1097.6	1065.0	1030.6	996.0	1017.9	1039.8
993.9	80°	974.4	954.8	931.2	907.4	880.0	852.5	823.9	795.1	813.6	832.0
742.0	82.5°	708.8	675.5	624.8	574.1	583.7	593.3	595.7	598.1	611.1	624.1
471.2	85°	430.1	389.0	341.4	293.9	320.4	347.0	359.5	371.9	386.4	401.0
204.3	87.5°	187.6	171.0	151.0	131.1	151.5	171.7	172.2	172.7	175.5	178.2
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):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4465.7	0°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
4386.2	2.5°	4419.1	4459.7	4496.2	4533.9	4571.6	4611.0	4650.5	4689.5	4728.8	4765.6
4318.0	5°	4380.0	4451.2	4523.1	4599.4	4675.6	4757.2	4839.0	4920.0	5001.2	5082.6
4283.4	7.5°	4366.0	4458.0	4556.2	4662.6	4769.0	4889.9	5010.7	5134.7	5258.8	5393.0
4285.8	10°	4372.9	4471.7	4592.9	4719.0	4844.8	4991.6	5138.3	5302.2	5466.1	5636.0
4310.1	12.5°	4381.4	4473.4	4600.8	4743.2	4885.6	5058.6	5231.7	5417.5	5603.2	5789.7
4310.8	15°	4344.9	4418.6	4559.6	4724.5	4889.3	5088.6	5287.9	5489.5	5691.0	5885.5
4246.0	17.5°	4233.5	4278.9	4444.8	4643.1	4841.4	5072.7	5304.0	5523.9	5743.8	5941.0
4110.2	20°	4051.9	4063.9	4257.0	4502.7	4748.5	5028.8	5309.2	5550.8	5792.4	5997.5
3931.9	22.5°	3845.7	3822.3	4042.1	4338.1	4634.0	4975.0	5316.0	5587.1	5858.1	6067.6
3745.1	25°	3645.8	3582.4	3807.7	4154.2	4500.9	4921.9	5343.1	5652.9	5962.6	6167.7
3566.9	27.5°	3471.0	3393.9	3599.0	3986.1	4373.2	4886.4	5399.7	5755.8	6111.7	6307.5
3393.3	30°	3317.3	3256.8	3429.0	3845.6	4262.1	4869.8	5477.1	5888.9	6300.7	6489.7
3227.6	32.5°	3182.6	3155.7	3294.5	3724.4	4154.2	4849.2	5543.9	6027.9	6511.8	6698.9
3067.7	35°	3055.4	3066.5	3182.2	3605.3	4028.4	4810.5	5593.0	6186.2	6779.5	6958.9
2908.4	37.5°	2922.1	2962.9	3064.0	3465.1	3866.3	4744.2	5622.1	6363.6	7105.1	7333.7
2745.1	40°	2776.1	2838.6	2930.3	3297.9	3665.5	4652.9	5640.4	6588.8	7536.9	7870.0
2579.9	42.5°	2621.0	2699.8	2784.3	3113.3	3442.3	4558.6	5675.2	6883.3	8091.4	8572.3
2426.7	45°	2466.8	2543.0	2628.7	2917.3	3205.9	4471.0	5736.4	7270.9	8805.5	9454.1
2295.6	47.5°	2329.2	2394.8	2505.3	2762.2	3019.1	4398.7	5778.4	7683.9	9589.5	10502.5
2178.2	50°	2208.0	2284.3	2429.6	2659.2	2888.8	4319.9	5751.0	8067.1	10383.2	11759.6
2088.2	52.5°	2117.7	2224.3	2391.4	2591.4	2791.5	4186.8	5582.2	8315.9	11049.5	13080.2
2023.1	55°	2069.7	2230.3	2385.7	2542.2	2698.6	3966.0	5233.4	8261.1	11288.6	14250.9
1973.1	57.5°	2040.9	2236.3	2373.4	2483.9	2594.4	3654.8	4715.1	7875.2	11035.5	15080.7
1926.0	60°	2013.9	2217.4	2307.9	2394.8	2481.7	3250.8	4019.8	7157.0	10294.1	15288.0
1872.3	62.5°	1982.3	2171.2	2182.3	2239.9	2297.6	2767.2	3236.7	6185.9	9135.0	14414.9
1799.0	65°	1915.8	2059.8	2058.4	2085.7	2112.9	2332.1	2551.3	5195.1	7839.0	13179.6
1699.9	67.5°	1797.3	1878.1	1881.9	1866.8	1851.6	1914.0	1976.2	4224.5	6472.7	11709.4
1577.6	70°	1646.8	1673.4	1673.4	1602.9	1532.3	1514.7	1496.9	3326.2	5155.5	10105.3
1431.7	72.5°	1479.2	1478.9	1462.1	1362.2	1262.1	1208.3	1154.6	2542.9	3931.1	8366.3
1252.5	75°	1289.0	1295.5	1218.1	1106.0	993.9	945.2	896.6	1845.6	2794.6	6372.8
1069.1	77.5°	1098.4	1101.9	974.2	865.4	756.6	723.3	690.3	1250.6	1811.0	4460.4
856.6	80°	881.2	881.7	729.2	637.1	544.9	531.2	517.5	805.8	1094.2	2873.8
636.1	82.5°	648.1	640.9	510.7	442.8	374.9	372.2	369.8	495.6	621.7	1663.3
413.8	85°	426.7	417.3	320.4	270.8	221.1	222.4	223.6	264.9	306.4	748.2
183.4	87.5°	188.5	176.5	136.2	115.8	95.6	96.8	98.0	109.8	121.7	245.0
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4465.7	0°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
4802.5	2.5°	4820.6	4839.0	4864.8	4890.7	4906.1	4921.6	4929.3	4937.0	4933.6	4937.0
5164.0	5°	5227.6	5291.4	5354.4	5417.7	5451.9	5486.2	5506.9	5527.8	5543.6	5527.8
5527.3	7.5°	5630.8	5734.2	5827.2	5920.3	5976.3	6032.3	6062.7	6092.8	6107.4	6092.8
5805.8	10°	5928.1	6050.5	6159.7	6268.8	6335.0	6400.8	6430.2	6459.5	6470.7	6459.5
5976.3	12.5°	6108.9	6241.4	6340.1	6438.5	6486.4	6534.4	6550.5	6566.6	6568.4	6566.6
6080.0	15°	6194.4	6308.7	6370.6	6432.6	6434.4	6436.1	6418.9	6401.8	6381.6	6401.8
6138.2	17.5°	6215.5	6292.8	6294.0	6295.0	6225.6	6156.2	6092.7	6028.9	5984.0	6028.9
6202.5	20°	6229.4	6256.5	6175.1	6093.7	5940.5	5787.3	5675.7	5564.2	5495.6	5564.2
6277.0	22.5°	6241.7	6206.4	6037.8	5869.2	5643.9	5418.5	5279.0	5139.5	5063.8	5139.5
6373.0	25°	6261.6	6150.2	5894.2	5638.2	5364.5	5090.9	4944.2	4797.8	4726.2	4797.8
6503.2	27.5°	6304.1	6104.8	5765.7	5426.7	5123.4	4820.1	4675.8	4531.7	4464.0	4531.7
6678.9	30°	6381.9	6085.1	5667.7	5250.2	4934.2	4618.2	4484.4	4350.6	4287.5	4350.6
6886.2	32.5°	6479.6	6073.1	5600.8	5128.6	4831.6	4534.6	4429.6	4324.4	4278.9	4324.4
7138.1	35°	6640.5	6143.0	5650.9	5158.9	4952.6	4746.4	4721.9	4697.4	4693.6	4697.4
7562.3	37.5°	6976.9	6391.5	5944.3	5497.0	5483.6	5470.3	5582.3	5694.4	5752.7	5694.4
8203.2	40°	7566.6	6929.9	6597.3	6264.7	6499.5	6734.2	7006.7	7279.2	7414.9	7279.2
9053.1	42.5°	8421.5	7789.8	7598.3	7406.7	7918.7	8430.7	8926.3	9421.9	9712.9	9421.9
10102.7	45°	9535.3	8967.8	8883.3	8798.7	9619.0	10439.5	11253.8	12068.3	12562.6	12068.3
11415.4	47.5°	10863.4	10311.3	10294.1	10277.0	11460.4	12643.5	13835.7	15027.7	15727.7	15027.7
13135.9	50°	12454.0	11772.3	11775.2	11778.1	13303.3	14828.4	16402.0	17975.7	18927.1	17975.7
15110.8	52.5°	14285.2	13459.7	13376.3	13292.7	15114.4	16936.2	18883.2	20830.1	21970.5	20830.1
17213.5	55°	16397.8	15582.1	15256.7	14931.2	16958.8	18986.2	21307.3	23628.4	24984.8	23628.4
19125.9	57.5°	18681.7	18237.3	17584.6	16932.1	18979.4	21026.6	23655.7	26284.6	27966.5	26284.6
20281.7	60°	20971.6	21661.7	20851.2	20040.6	21978.0	23915.5	26730.3	29545.1	31362.9	29545.1
19694.8	62.5°	21580.0	23465.1	23373.8	23282.3	25057.1	26832.1	29510.1	32188.0	33868.3	32188.0
18520.1	65°	20289.4	22058.8	22408.8	22758.8	25014.3	27269.9	29866.8	32463.4	33894.0	32463.4
16946.1	67.5°	18628.9	20311.7	20475.9	20639.9	22989.9	25339.8	27947.8	30555.8	31676.5	30555.8
15055.1	70°	16885.5	18716.0	18789.3	18862.8	20964.4	23065.9	25310.2	27554.4	28177.3	27554.4
12801.7	72.5°	14902.1	17002.7	17055.5	17108.1	18752.3	20396.5	22077.4	23758.2	23821.2	23758.2
9951.1	75°	12125.0	14298.9	14494.1	14689.3	15968.5	17247.7	18431.0	19614.3	19297.2	19614.3
7109.9	77.5°	9139.2	11168.6	11447.9	11727.3	12699.7	13672.2	14511.4	15350.7	14805.8	15350.7
4653.4	80°	6360.7	8067.8	8415.0	8762.2	9496.6	10230.7	10671.5	11112.1	10235.5	11112.1
2705.0	82.5°	3872.1	5039.5	5427.2	5815.2	6320.7	6826.3	7010.1	7193.8	6505.0	7193.8
1190.1	85°	1809.6	2429.1	2759.0	3088.8	3504.2	3919.4	4023.8	4128.1	3576.4	4128.1
368.4	87.5°	576.6	784.8	968.9	1152.9	1360.6	1568.3	1577.2	1586.0	1331.5	1586.0
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):**

325°		330°	335°	340°	345°	350°	355°	360°
4465.7	0°	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7	4465.7
4929.3	2.5°	4921.6	4906.1	4890.7	4864.8	4839.0	4820.6	4802.5
5506.9	5°	5486.2	5451.9	5417.7	5354.4	5291.4	5227.6	5164.0
6062.7	7.5°	6032.3	5976.3	5920.3	5827.2	5734.2	5630.8	5527.3
6430.2	10°	6400.8	6335.0	6268.8	6159.7	6050.5	5928.1	5805.8
6550.5	12.5°	6534.4	6486.4	6438.5	6340.1	6241.4	6108.9	5976.3
6418.9	15°	6436.1	6434.4	6432.6	6370.6	6308.7	6194.4	6080.0
6092.7	17.5°	6156.2	6225.6	6295.0	6294.0	6292.8	6215.5	6138.2
5675.7	20°	5787.3	5940.5	6093.7	6175.1	6256.5	6229.4	6202.5
5279.0	22.5°	5418.5	5643.9	5869.2	6037.8	6206.4	6241.7	6277.0
4944.2	25°	5090.9	5364.5	5638.2	5894.2	6150.2	6261.6	6373.0
4675.8	27.5°	4820.1	5123.4	5426.7	5765.7	6104.8	6304.1	6503.2
4484.4	30°	4618.2	4934.2	5250.2	5667.7	6085.1	6381.9	6678.9
4429.6	32.5°	4534.6	4831.6	5128.6	5600.8	6073.1	6479.6	6886.2
4721.9	35°	4746.4	4952.6	5158.9	5650.9	6143.0	6640.5	7138.1
5582.3	37.5°	5470.3	5483.6	5497.0	5944.3	6391.5	6976.9	7562.3
7006.7	40°	6734.2	6499.5	6264.7	6597.3	6929.9	7566.6	8203.2
8926.3	42.5°	8430.7	7918.7	7406.7	7598.3	7789.8	8421.5	9053.1
11253.8	45°	10439.5	9619.0	8798.7	8883.3	8967.8	9535.3	10102.7
13835.7	47.5°	12643.5	11460.4	10277.0	10294.1	10311.3	10863.4	11415.4
16402.0	50°	14828.4	13303.3	11778.1	11775.2	11772.3	12454.0	13135.9
18883.2	52.5°	16936.2	15114.4	13292.7	13376.3	13459.7	14285.2	15110.8
21307.3	55°	18986.2	16958.8	14931.2	15256.7	15582.1	16397.8	17213.5
23655.7	57.5°	21026.6	18979.4	16932.1	17584.6	18237.3	18681.7	19125.9
26730.3	60°	23915.5	21978.0	20040.6	20851.2	21661.7	20971.6	20281.7
29510.1	62.5°	26832.1	25057.1	23282.3	23373.8	23465.1	21580.0	19694.8
29866.8	65°	27269.9	25014.3	22758.8	22408.8	22058.8	20289.4	18520.1
27947.8	67.5°	25339.8	22989.9	20639.9	20475.9	20311.7	18628.9	16946.1
25310.2	70°	23065.9	20964.4	18862.8	18789.3	18716.0	16885.5	15055.1
22077.4	72.5°	20396.5	18752.3	17108.1	17055.5	17002.7	14902.1	12801.7
18431.0	75°	17247.7	15968.5	14689.3	14494.1	14298.9	12125.0	9951.1
14511.4	77.5°	13672.2	12699.7	11727.3	11447.9	11168.6	9139.2	7109.9
10671.5	80°	10230.7	9496.6	8762.2	8415.0	8067.8	6360.7	4653.4
7010.1	82.5°	6826.3	6320.7	5815.2	5427.2	5039.5	3872.1	2705.0
4023.8	85°	3919.4	3504.2	3088.8	2759.0	2429.1	1809.6	1190.1
1577.2	87.5°	1568.3	1360.6	1152.9	968.9	784.8	576.6	368.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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