

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: P955510

Luminaire Tested: **GALN-SB8B-940-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955510  
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-SB8B-940-U-SLR  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

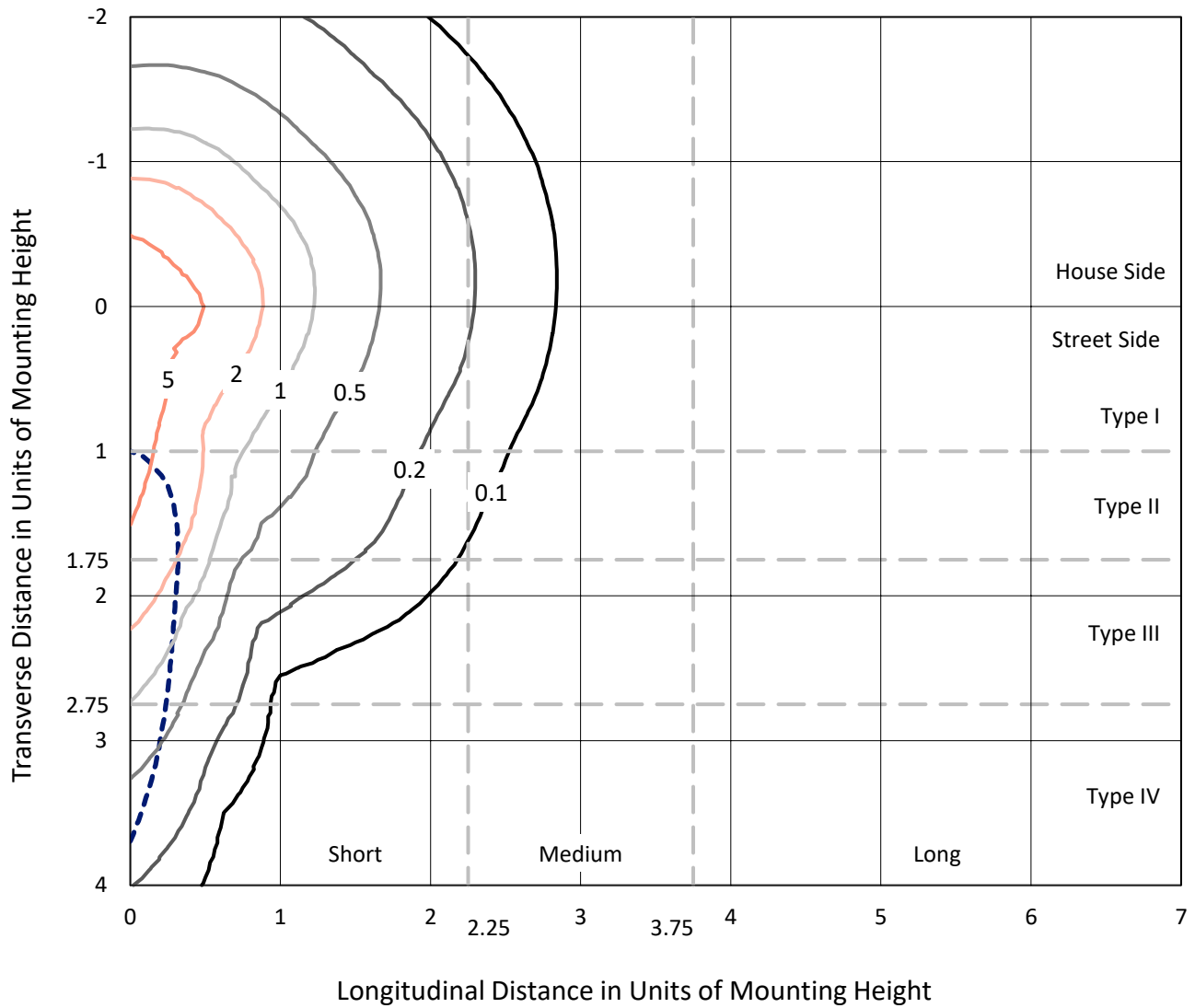
Lumens per Lamp: N/A  
Luminaire Lumens: 32877 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): 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

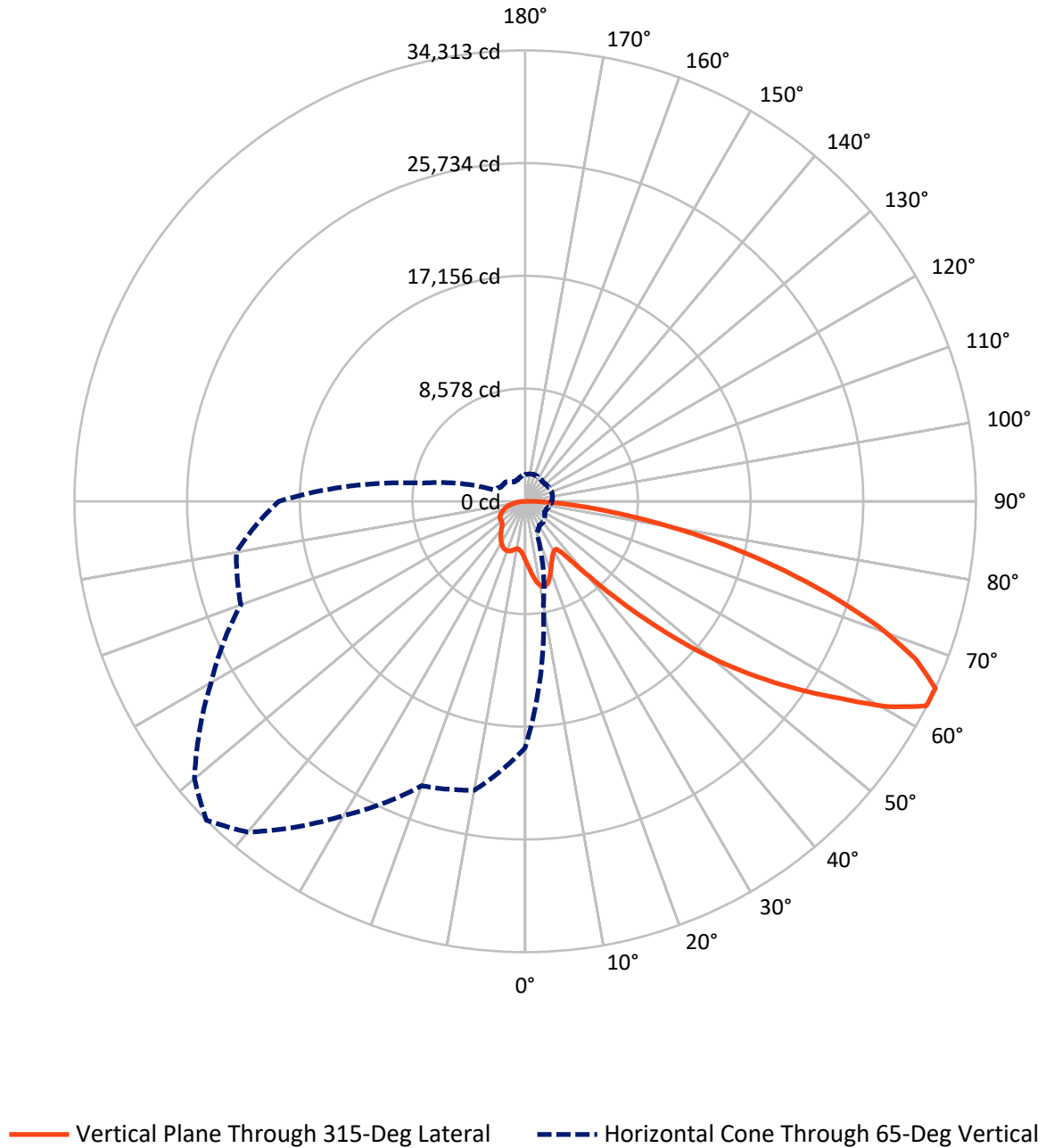
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	8355.7	0.0	8355.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	24521.3	0.0	24521.3
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	32877.0	0.0	32877.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.5	1.4
10°-20°	1407.8	4.3
20°-30°	2174.6	6.6
30°-40°	2755.8	8.4
40°-50°	4156.4	12.6
50°-60°	6715.3	20.4
60°-70°	8371.7	25.5
70°-80°	5489.7	16.7
80°-90°	1357.2	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°	32877.0	100.0
0°-180°	32877.0	100.0



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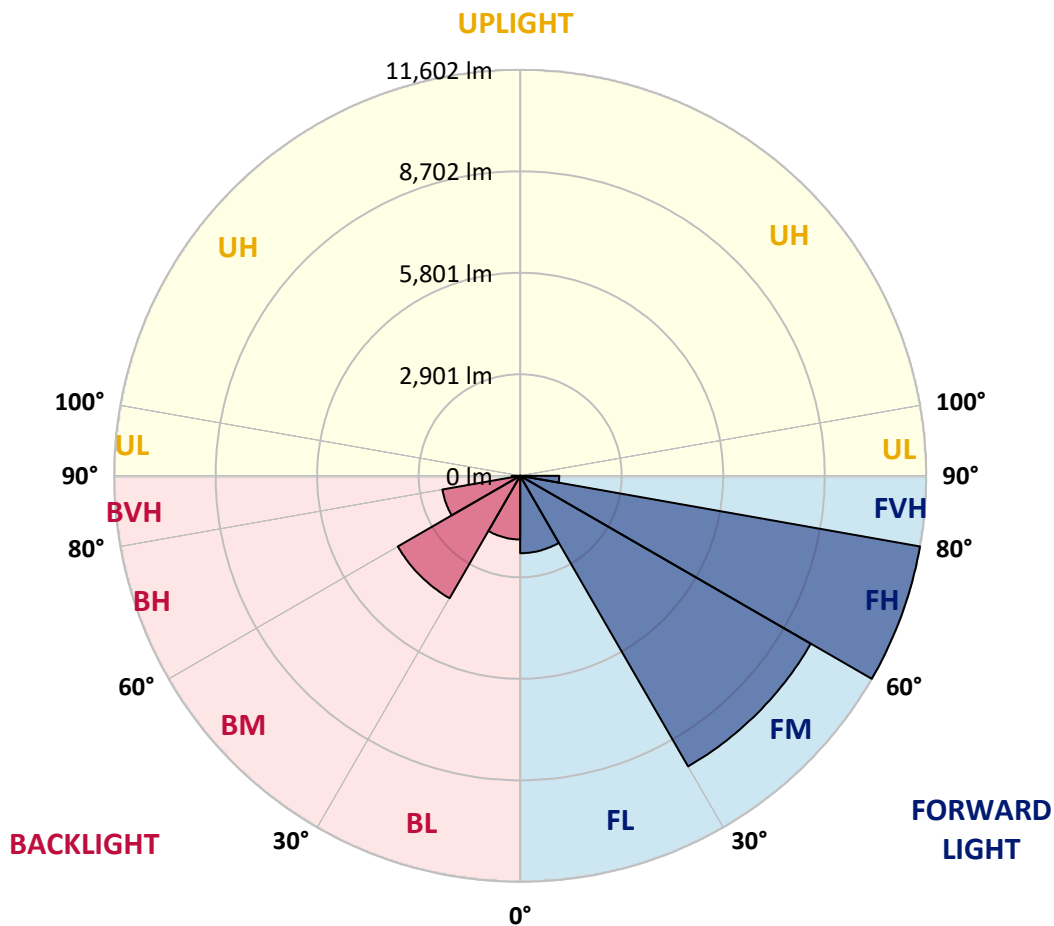
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2211.4	6.7			
FM (30°-60°)	9589.5	29.2			
FH (60°-80°)	11602.4	35.3			G4/12000
FVH (80°-90°)	1118.0	3.4			G5
BL (0°-30°)	1819.6	5.5	B3/2500		
BM (30°-60°)	4038.0	12.3	B3/5000		
BH (60°-80°)	2259.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	239.2	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°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
2.5°	4861.8	4824.5	4787.2	4747.4	4707.9	4668.0	4628.1	4589.9	4551.7	4514.8
5°	5227.8	5145.4	5063.0	4980.8	4898.7	4816.0	4733.4	4656.2	4579.0	4506.1
7.5°	5595.6	5459.6	5323.7	5198.1	5072.5	4950.2	4827.9	4720.2	4612.5	4513.1
10°	5877.5	5705.6	5533.6	5367.6	5201.8	5053.3	4904.6	4777.3	4649.6	4526.9
12.5°	6050.1	5861.2	5672.4	5484.4	5296.3	5121.1	4945.9	4801.7	4657.6	4528.7
15°	6155.0	5958.1	5761.2	5557.2	5353.2	5151.5	4949.7	4782.8	4615.9	4473.2
17.5°	6214.0	6014.4	5814.7	5592.1	5369.5	5135.3	4901.1	4700.4	4499.7	4331.8
20°	6279.1	6071.6	5863.9	5619.3	5374.7	5090.9	4807.1	4558.3	4309.6	4114.1
22.5°	6354.5	6142.6	5930.4	5656.1	5381.7	5036.5	4691.2	4391.6	4092.0	3869.5
25°	6451.7	6243.9	6036.2	5722.7	5409.1	4982.7	4556.4	4205.5	3854.7	3626.6
27.5°	6583.5	6385.4	6187.1	5826.8	5466.3	4946.8	4427.2	4035.3	3643.4	3435.8
30°	6761.4	6569.8	6378.5	5961.6	5544.7	4929.9	4314.8	3893.0	3471.3	3297.0
32.5°	6971.3	6781.7	6592.2	6102.3	5612.4	4909.1	4205.5	3770.4	3335.1	3194.6
35°	7226.3	7044.8	6863.2	6262.6	5662.0	4869.9	4078.2	3649.8	3221.5	3104.4
37.5°	7655.6	7424.2	7192.8	6442.2	5691.5	4802.8	3914.0	3507.9	3101.8	2999.5
40°	8304.5	7967.2	7630.0	6670.1	5710.1	4710.3	3710.7	3338.6	2966.5	2873.7
42.5°	9164.9	8678.1	8191.3	6968.3	5745.3	4614.9	3484.9	3151.8	2818.7	2733.2
45°	10227.5	9570.9	8914.2	7360.7	5807.2	4526.2	3245.5	2953.3	2661.2	2574.4
47.5°	11556.3	10632.2	9707.9	7778.8	5849.7	4453.0	3056.4	2796.3	2536.3	2424.4
50°	13298.1	11904.8	10511.5	8166.7	5822.0	4373.2	2924.5	2692.1	2459.6	2312.5
52.5°	15297.4	13241.7	11185.9	8418.6	5651.1	4238.4	2826.0	2623.4	2420.9	2251.8
55°	17426.0	14426.9	11427.9	8363.1	5298.1	4015.0	2732.0	2573.6	2415.2	2257.8
57.5°	19362.0	15266.9	11171.7	7972.4	4773.3	3700.0	2626.5	2514.6	2402.7	2263.9
60°	20532.1	15476.8	10421.2	7245.4	4069.5	3290.9	2512.3	2424.4	2336.4	2244.8
62.5°	19938.0	14592.9	9247.8	6262.3	3276.7	2801.3	2326.0	2267.5	2209.3	2198.0
65°	18748.8	13342.3	7935.8	5259.2	2582.8	2360.9	2139.0	2111.4	2083.8	2085.2
67.5°	17155.4	11854.0	6552.7	4276.6	2000.6	1937.6	1874.4	1889.9	1905.1	1901.3
70°	15241.0	10230.1	5219.1	3367.2	1515.3	1533.4	1551.3	1622.7	1694.0	1694.0
72.5°	12959.8	8469.6	3979.6	2574.3	1168.9	1223.2	1277.7	1379.0	1480.1	1497.1
75°	10073.9	6451.5	2829.1	1868.4	907.6	956.9	1006.2	1119.6	1233.1	1311.5
77.5°	7197.7	4515.5	1833.3	1266.1	698.8	732.3	765.9	876.1	986.2	1115.5
80°	4710.8	2909.2	1107.7	815.7	523.9	537.8	551.7	645.0	738.2	892.6
82.5°	2738.4	1683.8	629.4	501.7	374.4	376.8	379.6	448.3	517.0	648.8
85°	1204.8	757.4	310.2	268.2	226.4	225.2	223.8	274.1	324.4	422.4
87.5°	373.0	248.1	123.2	111.2	99.2	98.0	96.8	117.3	137.9	178.7
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°
4520.9	0°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
4473.7	2.5°	4440.4	4407.2	4377.2	4347.4	4321.2	4295.0	4268.6	4242.4	4222.1	4201.7
4434.1	5°	4371.3	4308.4	4255.6	4203.1	4156.6	4110.1	4067.9	4025.6	3993.1	3960.5
4419.9	7.5°	4336.3	4252.8	4183.5	4114.1	4055.6	3997.0	3945.3	3893.7	3855.1	3816.5
4426.8	10°	4338.7	4250.6	4181.2	4111.8	4048.8	3985.7	3927.6	3869.5	3823.3	3777.0
4435.5	12.5°	4363.4	4291.5	4245.4	4199.6	4150.0	4100.7	4040.5	3980.5	3921.5	3862.5
4398.6	15°	4364.0	4329.7	4335.9	4342.2	4329.3	4316.5	4264.3	4212.1	4128.1	4044.1
4285.8	17.5°	4298.5	4311.0	4386.6	4462.2	4502.5	4542.6	4500.4	4458.4	4347.2	4236.0
4101.9	20°	4160.9	4219.9	4351.2	4482.7	4566.8	4651.0	4631.6	4611.9	4484.8	4357.8
3893.2	22.5°	3980.5	4067.7	4217.6	4367.9	4477.3	4586.8	4598.6	4610.2	4488.8	4367.3
3690.8	25°	3791.4	3892.0	4026.8	4161.8	4269.5	4377.2	4417.5	4457.6	4358.0	4258.6
3513.8	27.5°	3611.0	3708.1	3819.0	3929.7	4016.0	4102.4	4147.2	4192.1	4121.2	4050.4
3358.2	30°	3435.2	3512.6	3604.6	3696.5	3768.1	3840.0	3876.4	3912.8	3858.9	3804.7
3221.9	32.5°	3267.5	3313.1	3386.5	3460.0	3528.7	3597.6	3638.0	3678.6	3629.0	3579.2
3093.1	35°	3105.6	3118.3	3174.3	3230.2	3298.2	3366.4	3414.9	3463.5	3428.1	3392.9
2958.2	37.5°	2944.3	2930.4	2970.7	3010.7	3078.6	3146.6	3206.6	3266.6	3250.3	3234.0
2810.4	40°	2779.0	2747.6	2776.5	2805.5	2871.1	2936.7	3005.7	3074.9	3078.9	3082.7
2653.4	42.5°	2611.7	2570.1	2593.7	2617.5	2679.6	2741.8	2816.4	2891.0	2911.0	2930.9
2497.2	45°	2456.6	2416.2	2436.0	2456.1	2515.1	2574.1	2651.5	2728.8	2757.5	2786.1
2357.9	47.5°	2323.9	2289.9	2308.7	2327.2	2385.0	2442.6	2518.9	2595.3	2628.2	2661.2
2235.3	50°	2205.1	2175.1	2204.2	2233.5	2288.0	2342.3	2410.7	2479.0	2521.3	2563.7
2143.9	52.5°	2114.0	2084.4	2128.2	2172.0	2221.9	2271.7	2335.4	2399.2	2449.4	2499.5
2095.3	55°	2048.1	2001.1	2063.4	2125.5	2179.2	2233.0	2288.9	2344.6	2397.7	2450.9
2066.1	57.5°	1997.4	1928.7	1995.7	2062.7	2125.8	2189.0	2244.1	2299.5	2353.1	2406.5
2038.7	60°	1949.7	1860.6	1919.4	1978.0	2050.5	2123.0	2179.1	2235.3	2289.1	2342.8
2006.8	62.5°	1895.4	1784.2	1821.5	1858.8	1943.3	2028.0	2087.8	2147.7	2196.9	2246.2
1939.5	65°	1821.2	1702.7	1717.1	1731.3	1821.9	1912.6	1969.9	2027.1	2070.5	2113.8
1819.5	67.5°	1720.9	1622.4	1617.9	1613.4	1697.0	1780.8	1835.1	1889.2	1926.7	1964.1
1667.1	70°	1597.1	1527.0	1511.4	1495.7	1569.3	1642.8	1689.7	1736.5	1770.4	1804.2
1497.5	72.5°	1449.4	1401.4	1378.5	1355.7	1413.7	1471.5	1513.8	1556.1	1589.2	1622.4
1304.9	75°	1268.0	1230.8	1209.0	1186.9	1230.0	1273.0	1311.3	1349.7	1379.9	1410.0
1112.0	77.5°	1082.3	1052.7	1030.5	1008.3	1043.3	1078.2	1111.1	1144.1	1175.8	1207.4
892.0	80°	867.2	842.2	823.7	804.9	834.1	863.1	890.8	918.6	942.7	966.6
656.1	82.5°	644.0	631.8	618.6	605.4	603.0	600.6	590.9	581.2	632.5	683.9
432.0	85°	419.0	405.9	391.2	376.5	364.0	351.3	324.4	297.5	345.6	393.8
190.8	87.5°	185.6	180.4	177.6	174.9	174.3	173.8	153.4	132.7	152.8	173.1
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4520.9	0°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
4185.2	2.5°	4168.7	4155.9	4143.0	4131.2	4119.3	4104.5	4119.3	4131.2	4143.0	4155.9
3937.8	5°	3915.1	3898.9	3882.8	3870.5	3858.2	3846.0	3858.2	3870.5	3882.8	3898.9
3789.5	7.5°	3762.4	3743.9	3725.5	3714.4	3703.4	3695.1	3703.4	3714.4	3725.5	3743.9
3746.8	10°	3716.3	3698.8	3681.2	3671.9	3662.5	3658.7	3662.5	3671.9	3681.2	3698.8
3823.5	12.5°	3784.5	3764.8	3745.4	3737.4	3729.5	3728.1	3729.5	3737.4	3745.4	3764.8
3984.8	15°	3925.5	3898.3	3871.2	3860.8	3850.4	3849.5	3850.4	3860.8	3871.2	3898.3
4148.6	17.5°	4061.2	4020.9	3980.5	3967.3	3953.9	3951.9	3953.9	3967.3	3980.5	4020.9
4250.6	20°	4143.6	4092.0	4040.3	4023.9	4007.4	4002.2	4007.4	4023.9	4040.3	4092.0
4257.0	22.5°	4146.5	4092.2	4037.7	4019.5	4001.3	3993.5	4001.3	4019.5	4037.7	4092.2
4160.4	25°	4062.5	4015.4	3968.3	3951.2	3934.2	3924.1	3934.2	3951.2	3968.3	4015.4
3974.2	27.5°	3898.1	3866.5	3834.8	3827.0	3819.1	3816.5	3819.1	3827.0	3834.8	3866.5
3750.3	30°	3695.5	3679.3	3663.0	3663.0	3663.0	3665.6	3663.0	3663.0	3663.0	3679.3
3535.7	32.5°	3492.1	3481.6	3471.0	3472.4	3473.9	3476.5	3473.9	3472.4	3471.0	3481.6
3352.7	35°	3312.6	3296.5	3280.5	3277.0	3273.6	3271.8	3273.6	3277.0	3280.5	3296.5
3197.1	37.5°	3159.9	3130.6	3101.5	3086.0	3070.6	3061.9	3070.6	3086.0	3101.5	3130.6
3051.3	40°	3019.9	2977.3	2934.9	2906.1	2877.7	2860.7	2877.7	2906.1	2934.9	2977.3
2904.4	42.5°	2878.0	2825.1	2772.2	2730.4	2688.6	2661.2	2688.6	2730.4	2772.2	2825.1
2762.1	45°	2738.4	2677.8	2617.5	2568.4	2519.3	2487.7	2519.3	2568.4	2617.5	2677.8
2644.5	47.5°	2627.9	2574.1	2520.3	2474.9	2429.6	2399.2	2429.6	2474.9	2520.3	2574.1
2562.6	50°	2561.9	2518.9	2475.9	2433.9	2391.9	2362.8	2391.9	2433.9	2475.9	2518.9
2508.5	52.5°	2517.5	2482.5	2447.4	2409.8	2372.3	2345.4	2372.3	2409.8	2447.4	2482.5
2463.4	55°	2475.9	2445.4	2414.8	2381.9	2348.9	2324.6	2348.9	2381.9	2414.8	2445.4
2419.2	57.5°	2431.8	2401.0	2370.1	2337.5	2304.7	2279.5	2304.7	2337.5	2370.1	2401.0
2356.7	60°	2370.6	2340.4	2310.4	2276.7	2243.1	2217.1	2243.1	2276.7	2310.4	2340.4
2259.6	62.5°	2272.9	2245.7	2218.5	2183.1	2147.7	2116.4	2147.7	2183.1	2218.5	2245.7
2127.6	65°	2141.1	2114.9	2088.7	2054.3	2020.2	1993.3	2020.2	2054.3	2088.7	2114.9
1977.5	67.5°	1990.7	1966.6	1942.6	1910.7	1878.8	1854.5	1878.8	1910.7	1942.6	1966.6
1817.0	70°	1829.9	1810.3	1790.7	1760.1	1729.6	1701.8	1729.6	1760.1	1790.7	1810.3
1637.6	72.5°	1652.9	1636.6	1620.3	1591.2	1562.2	1535.3	1562.2	1591.2	1620.3	1636.6
1426.0	75°	1442.0	1434.0	1426.0	1401.5	1377.1	1351.4	1377.1	1401.5	1426.0	1434.0
1222.3	77.5°	1237.3	1226.2	1214.7	1190.1	1165.4	1145.0	1165.4	1190.1	1214.7	1226.2
986.4	80°	1006.2	1001.3	996.6	963.5	930.2	891.7	930.2	963.5	996.6	1001.3
717.5	82.5°	751.2	749.1	746.8	718.9	690.8	666.2	690.8	718.9	746.8	749.1
435.4	85°	477.1	473.6	470.1	448.3	426.4	404.2	426.4	448.3	470.1	473.6
190.0	87.5°	206.8	202.6	198.1	187.0	175.6	164.8	175.6	187.0	198.1	202.6
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4520.9	0°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
4168.7	2.5°	4185.2	4201.7	4222.1	4242.4	4268.6	4295.0	4321.2	4347.4	4377.2	4407.2
3915.1	5°	3937.8	3960.5	3993.1	4025.6	4067.9	4110.1	4156.6	4203.1	4255.6	4308.4
3762.4	7.5°	3789.5	3816.5	3855.1	3893.7	3945.3	3997.0	4055.6	4114.1	4183.5	4252.8
3716.3	10°	3746.8	3777.0	3823.3	3869.5	3927.6	3985.7	4048.8	4111.8	4181.2	4250.6
3784.5	12.5°	3823.5	3862.5	3921.5	3980.5	4040.5	4100.7	4150.0	4199.6	4245.4	4291.5
3925.5	15°	3984.8	4044.1	4128.1	4212.1	4264.3	4316.5	4329.3	4342.2	4335.9	4329.7
4061.2	17.5°	4148.6	4236.0	4347.2	4458.4	4500.4	4542.6	4502.5	4462.2	4386.6	4311.0
4143.6	20°	4250.6	4357.8	4484.8	4611.9	4631.6	4651.0	4566.8	4482.7	4351.2	4219.9
4146.5	22.5°	4257.0	4367.3	4488.8	4610.2	4598.6	4586.8	4477.3	4367.9	4217.6	4067.7
4062.5	25°	4160.4	4258.6	4358.0	4457.6	4417.5	4377.2	4269.5	4161.8	4026.8	3892.0
3898.1	27.5°	3974.2	4050.4	4121.2	4192.1	4147.2	4102.4	4016.0	3929.7	3819.0	3708.1
3695.5	30°	3750.3	3804.7	3858.9	3912.8	3876.4	3840.0	3768.1	3696.5	3604.6	3512.6
3492.1	32.5°	3535.7	3579.2	3629.0	3678.6	3638.0	3597.6	3528.7	3460.0	3386.5	3313.1
3312.6	35°	3352.7	3392.9	3428.1	3463.5	3414.9	3366.4	3298.2	3230.2	3174.3	3118.3
3159.9	37.5°	3197.1	3234.0	3250.3	3266.6	3206.6	3146.6	3078.6	3010.7	2970.7	2930.4
3019.9	40°	3051.3	3082.7	3078.9	3074.9	3005.7	2936.7	2871.1	2805.5	2776.5	2747.6
2878.0	42.5°	2904.4	2930.9	2911.0	2891.0	2816.4	2741.8	2679.6	2617.5	2593.7	2570.1
2738.4	45°	2762.1	2786.1	2757.5	2728.8	2651.5	2574.1	2515.1	2456.1	2436.0	2416.2
2627.9	47.5°	2644.5	2661.2	2628.2	2595.3	2518.9	2442.6	2385.0	2327.2	2308.7	2289.9
2561.9	50°	2562.6	2563.7	2521.3	2479.0	2410.7	2342.3	2288.0	2233.5	2204.2	2175.1
2517.5	52.5°	2508.5	2499.5	2449.4	2399.2	2335.4	2271.7	2221.9	2172.0	2128.2	2084.4
2475.9	55°	2463.4	2450.9	2397.7	2344.6	2288.9	2233.0	2179.2	2125.5	2063.4	2001.1
2431.8	57.5°	2419.2	2406.5	2353.1	2299.5	2244.1	2189.0	2125.8	2062.7	1995.7	1928.7
2370.6	60°	2356.7	2342.8	2289.1	2235.3	2179.1	2123.0	2050.5	1978.0	1919.4	1860.6
2272.9	62.5°	2259.6	2246.2	2196.9	2147.7	2087.8	2028.0	1943.3	1858.8	1821.5	1784.2
2141.1	65°	2127.6	2113.8	2070.5	2027.1	1969.9	1912.6	1821.9	1731.3	1717.1	1702.7
1990.7	67.5°	1977.5	1964.1	1926.7	1889.2	1835.1	1780.8	1697.0	1613.4	1617.9	1622.4
1829.9	70°	1817.0	1804.2	1770.4	1736.5	1689.7	1642.8	1569.3	1495.7	1511.4	1527.0
1652.9	72.5°	1637.6	1622.4	1589.2	1556.1	1513.8	1471.5	1413.7	1355.7	1378.5	1401.4
1442.0	75°	1426.0	1410.0	1379.9	1349.7	1311.3	1273.0	1230.0	1186.9	1209.0	1230.8
1237.3	77.5°	1222.3	1207.4	1175.8	1144.1	1111.1	1078.2	1043.3	1008.3	1030.5	1052.7
1006.2	80°	986.4	966.6	942.7	918.6	890.8	863.1	834.1	804.9	823.7	842.2
751.2	82.5°	717.5	683.9	632.5	581.2	590.9	600.6	603.0	605.4	618.6	631.8
477.1	85°	435.4	393.8	345.6	297.5	324.4	351.3	364.0	376.5	391.2	405.9
206.8	87.5°	190.0	173.1	152.8	132.7	153.4	173.8	174.3	174.9	177.6	180.4
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°
4520.9	0°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
4440.4	2.5°	4473.7	4514.8	4551.7	4589.9	4628.1	4668.0	4707.9	4747.4	4787.2	4824.5
4371.3	5°	4434.1	4506.1	4579.0	4656.2	4733.4	4816.0	4898.7	4980.8	5063.0	5145.4
4336.3	7.5°	4419.9	4513.1	4612.5	4720.2	4827.9	4950.2	5072.5	5198.1	5323.7	5459.6
4338.7	10°	4426.8	4526.9	4649.6	4777.3	4904.6	5053.3	5201.8	5367.6	5533.6	5705.6
4363.4	12.5°	4435.5	4528.7	4657.6	4801.7	4945.9	5121.1	5296.3	5484.4	5672.4	5861.2
4364.0	15°	4398.6	4473.2	4615.9	4782.8	4949.7	5151.5	5353.2	5557.2	5761.2	5958.1
4298.5	17.5°	4285.8	4331.8	4499.7	4700.4	4901.1	5135.3	5369.5	5592.1	5814.7	6014.4
4160.9	20°	4101.9	4114.1	4309.6	4558.3	4807.1	5090.9	5374.7	5619.3	5863.9	6071.6
3980.5	22.5°	3893.2	3869.5	4092.0	4391.6	4691.2	5036.5	5381.7	5656.1	5930.4	6142.6
3791.4	25°	3690.8	3626.6	3854.7	4205.5	4556.4	4982.7	5409.1	5722.7	6036.2	6243.9
3611.0	27.5°	3513.8	3435.8	3643.4	4035.3	4427.2	4946.8	5466.3	5826.8	6187.1	6385.4
3435.2	30°	3358.2	3297.0	3471.3	3893.0	4314.8	4929.9	5544.7	5961.6	6378.5	6569.8
3267.5	32.5°	3221.9	3194.6	3335.1	3770.4	4205.5	4909.1	5612.4	6102.3	6592.2	6781.7
3105.6	35°	3093.1	3104.4	3221.5	3649.8	4078.2	4869.9	5662.0	6262.6	6863.2	7044.8
2944.3	37.5°	2958.2	2999.5	3101.8	3507.9	3914.0	4802.8	5691.5	6442.2	7192.8	7424.2
2779.0	40°	2810.4	2873.7	2966.5	3338.6	3710.7	4710.3	5710.1	6670.1	7630.0	7967.2
2611.7	42.5°	2653.4	2733.2	2818.7	3151.8	3484.9	4614.9	5745.3	6968.3	8191.3	8678.1
2456.6	45°	2497.2	2574.4	2661.2	2953.3	3245.5	4526.2	5807.2	7360.7	8914.2	9570.9
2323.9	47.5°	2357.9	2424.4	2536.3	2796.3	3056.4	4453.0	5849.7	7778.8	9707.9	10632.2
2205.1	50°	2235.3	2312.5	2459.6	2692.1	2924.5	4373.2	5822.0	8166.7	10511.5	11904.8
2114.0	52.5°	2143.9	2251.8	2420.9	2623.4	2826.0	4238.4	5651.1	8418.6	11185.9	13241.7
2048.1	55°	2095.3	2257.8	2415.2	2573.6	2732.0	4015.0	5298.1	8363.1	11427.9	14426.9
1997.4	57.5°	2066.1	2263.9	2402.7	2514.6	2626.5	3700.0	4773.3	7972.4	11171.7	15266.9
1949.7	60°	2038.7	2244.8	2336.4	2424.4	2512.3	3290.9	4069.5	7245.4	10421.2	15476.8
1895.4	62.5°	2006.8	2198.0	2209.3	2267.5	2326.0	2801.3	3276.7	6262.3	9247.8	14592.9
1821.2	65°	1939.5	2085.2	2083.8	2111.4	2139.0	2360.9	2582.8	5259.2	7935.8	13342.3
1720.9	67.5°	1819.5	1901.3	1905.1	1889.9	1874.4	1937.6	2000.6	4276.6	6552.7	11854.0
1597.1	70°	1667.1	1694.0	1694.0	1622.7	1551.3	1533.4	1515.3	3367.2	5219.1	10230.1
1449.4	72.5°	1497.5	1497.1	1480.1	1379.0	1277.7	1223.2	1168.9	2574.3	3979.6	8469.6
1268.0	75°	1304.9	1311.5	1233.1	1119.6	1006.2	956.9	907.6	1868.4	2829.1	6451.5
1082.3	77.5°	1112.0	1115.5	986.2	876.1	765.9	732.3	698.8	1266.1	1833.3	4515.5
867.2	80°	892.0	892.6	738.2	645.0	551.7	537.8	523.9	815.7	1107.7	2909.2
644.0	82.5°	656.1	648.8	517.0	448.3	379.6	376.8	374.4	501.7	629.4	1683.8
419.0	85°	432.0	422.4	324.4	274.1	223.8	225.2	226.4	268.2	310.2	757.4
185.6	87.5°	190.8	178.7	137.9	117.3	96.8	98.0	99.2	111.2	123.2	248.1
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):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4520.9	0°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
4861.8	2.5°	4880.1	4898.7	4924.9	4951.1	4966.7	4982.3	4990.1	4997.9	4994.5	4997.9
5227.8	5°	5292.2	5356.7	5420.5	5484.5	5519.2	5553.9	5574.9	5596.1	5612.1	5596.1
5595.6	7.5°	5700.4	5805.0	5899.2	5993.4	6050.1	6106.8	6137.5	6168.1	6182.8	6168.1
5877.5	10°	6001.3	6125.2	6235.7	6346.2	6413.2	6479.8	6509.6	6539.3	6550.6	6539.3
6050.1	12.5°	6184.4	6318.5	6418.4	6518.0	6566.5	6615.1	6631.4	6647.7	6649.5	6647.7
6155.0	15°	6270.9	6386.6	6449.3	6512.1	6513.8	6515.5	6498.2	6480.8	6460.4	6480.8
6214.0	17.5°	6292.3	6370.5	6371.7	6372.8	6302.5	6232.2	6167.9	6103.3	6057.9	6103.3
6279.1	20°	6306.3	6333.7	6251.3	6168.9	6013.8	5858.7	5745.8	5632.9	5563.5	5632.9
6354.5	22.5°	6318.8	6283.1	6112.4	5941.7	5713.5	5485.4	5344.2	5203.0	5126.3	5203.0
6451.7	25°	6338.9	6226.2	5967.0	5707.8	5430.8	5153.7	5005.2	4857.1	4784.6	4857.1
6583.5	27.5°	6382.0	6180.2	5836.9	5493.7	5186.7	4879.6	4733.6	4587.7	4519.1	4587.7
6761.4	30°	6460.7	6160.3	5737.7	5315.1	4995.2	4675.3	4539.8	4404.3	4340.5	4404.3
6971.3	32.5°	6559.6	6148.1	5670.0	5191.9	4891.2	4590.6	4484.3	4377.8	4331.8	4377.8
7226.3	35°	6722.5	6218.9	5720.7	5222.6	5013.7	4805.0	4780.2	4755.4	4751.6	4755.4
7655.6	37.5°	7063.0	6470.4	6017.7	5564.9	5551.3	5537.8	5651.3	5764.7	5823.7	5764.7
8304.5	40°	7660.0	7015.5	6678.8	6342.1	6579.7	6817.4	7093.2	7369.1	7506.4	7369.1
9164.9	42.5°	8525.5	7886.0	7692.1	7498.1	8016.5	8534.8	9036.5	9538.2	9832.8	9538.2
10227.5	45°	9653.1	9078.5	8993.0	8907.3	9737.7	10568.4	11392.7	12217.3	12717.8	12217.3
11556.3	47.5°	10997.5	10438.6	10421.2	10403.9	11601.9	12799.6	14006.5	15213.3	15921.9	15213.3
13298.1	50°	12607.8	11917.7	11920.6	11923.6	13467.5	15011.5	16604.6	18197.6	19160.8	18197.6
15297.4	52.5°	14461.6	13625.9	13541.4	13456.8	15301.0	17145.3	19116.4	21087.3	22241.8	21087.3
17426.0	55°	16600.2	15774.5	15445.0	15115.6	17168.2	19220.6	21570.4	23920.2	25293.3	23920.2
19362.0	57.5°	18912.4	18462.5	17801.8	17141.1	19213.7	21286.3	23947.8	26609.1	28311.8	26609.1
20532.1	60°	21230.6	21929.2	21108.6	20288.1	22249.4	24210.8	27060.3	29909.9	31750.2	29909.9
19938.0	62.5°	21846.4	23754.9	23662.4	23569.8	25366.5	27163.4	29874.5	32585.5	34286.4	32585.5
18748.8	65°	20539.9	22331.1	22685.5	23039.8	25323.1	27606.6	30235.5	32864.3	34312.5	32864.3
17155.4	67.5°	18858.9	20562.5	20728.7	20894.7	23273.8	25652.7	28292.9	30933.1	32067.6	30933.1
15241.0	70°	17094.0	18947.1	19021.3	19095.7	21223.3	23350.7	25622.7	27894.6	28525.2	27894.6
12959.8	72.5°	15086.1	17212.6	17266.0	17319.3	18983.8	20648.4	22350.0	24051.5	24115.4	24051.5
10073.9	75°	12274.7	14475.5	14673.1	14870.6	16165.7	17460.7	18658.6	19856.4	19535.5	19856.4
7197.7	77.5°	9252.0	11306.5	11589.3	11872.1	12856.6	13841.0	14690.6	15540.3	14988.6	15540.3
4710.8	80°	6439.2	8167.4	8518.9	8870.3	9613.9	10357.1	10803.3	11249.3	10361.9	11249.3
2738.4	82.5°	3919.9	5101.7	5494.3	5887.0	6398.8	6910.5	7096.7	7282.7	6585.3	7282.7
1204.8	85°	1831.9	2459.1	2793.0	3127.0	3547.5	3967.8	4073.5	4179.1	3620.5	4179.1
373.0	87.5°	583.8	794.5	980.9	1167.2	1377.4	1587.7	1596.7	1605.6	1347.9	1605.6
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):**

325°		330°	335°	340°	345°	350°	355°	360°
4520.9	0°	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9	4520.9
4990.1	2.5°	4982.3	4966.7	4951.1	4924.9	4898.7	4880.1	4861.8
5574.9	5°	5553.9	5519.2	5484.5	5420.5	5356.7	5292.2	5227.8
6137.5	7.5°	6106.8	6050.1	5993.4	5899.2	5805.0	5700.4	5595.6
6509.6	10°	6479.8	6413.2	6346.2	6235.7	6125.2	6001.3	5877.5
6631.4	12.5°	6615.1	6566.5	6518.0	6418.4	6318.5	6184.4	6050.1
6498.2	15°	6515.5	6513.8	6512.1	6449.3	6386.6	6270.9	6155.0
6167.9	17.5°	6232.2	6302.5	6372.8	6371.7	6370.5	6292.3	6214.0
5745.8	20°	5858.7	6013.8	6168.9	6251.3	6333.7	6306.3	6279.1
5344.2	22.5°	5485.4	5713.5	5941.7	6112.4	6283.1	6318.8	6354.5
5005.2	25°	5153.7	5430.8	5707.8	5967.0	6226.2	6338.9	6451.7
4733.6	27.5°	4879.6	5186.7	5493.7	5836.9	6180.2	6382.0	6583.5
4539.8	30°	4675.3	4995.2	5315.1	5737.7	6160.3	6460.7	6761.4
4484.3	32.5°	4590.6	4891.2	5191.9	5670.0	6148.1	6559.6	6971.3
4780.2	35°	4805.0	5013.7	5222.6	5720.7	6218.9	6722.5	7226.3
5651.3	37.5°	5537.8	5551.3	5564.9	6017.7	6470.4	7063.0	7655.6
7093.2	40°	6817.4	6579.7	6342.1	6678.8	7015.5	7660.0	8304.5
9036.5	42.5°	8534.8	8016.5	7498.1	7692.1	7886.0	8525.5	9164.9
11392.7	45°	10568.4	9737.7	8907.3	8993.0	9078.5	9653.1	10227.5
14006.5	47.5°	12799.6	11601.9	10403.9	10421.2	10438.6	10997.5	11556.3
16604.6	50°	15011.5	13467.5	11923.6	11920.6	11917.7	12607.8	13298.1
19116.4	52.5°	17145.3	15301.0	13456.8	13541.4	13625.9	14461.6	15297.4
21570.4	55°	19220.6	17168.2	15115.6	15445.0	15774.5	16600.2	17426.0
23947.8	57.5°	21286.3	19213.7	17141.1	17801.8	18462.5	18912.4	19362.0
27060.3	60°	24210.8	22249.4	20288.1	21108.6	21929.2	21230.6	20532.1
29874.5	62.5°	27163.4	25366.5	23569.8	23662.4	23754.9	21846.4	19938.0
30235.5	65°	27606.6	25323.1	23039.8	22685.5	22331.1	20539.9	18748.8
28292.9	67.5°	25652.7	23273.8	20894.7	20728.7	20562.5	18858.9	17155.4
25622.7	70°	23350.7	21223.3	19095.7	19021.3	18947.1	17094.0	15241.0
22350.0	72.5°	20648.4	18983.8	17319.3	17266.0	17212.6	15086.1	12959.8
18658.6	75°	17460.7	16165.7	14870.6	14673.1	14475.5	12274.7	10073.9
14690.6	77.5°	13841.0	12856.6	11872.1	11589.3	11306.5	9252.0	7197.7
10803.3	80°	10357.1	9613.9	8870.3	8518.9	8167.4	6439.2	4710.8
7096.7	82.5°	6910.5	6398.8	5887.0	5494.3	5101.7	3919.9	2738.4
4073.5	85°	3967.8	3547.5	3127.0	2793.0	2459.1	1831.9	1204.8
1596.7	87.5°	1587.7	1377.4	1167.2	980.9	794.5	583.8	373.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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