

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: P953011

Luminaire Tested: **GALN-SB6C-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953011
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-SB6C-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32791 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

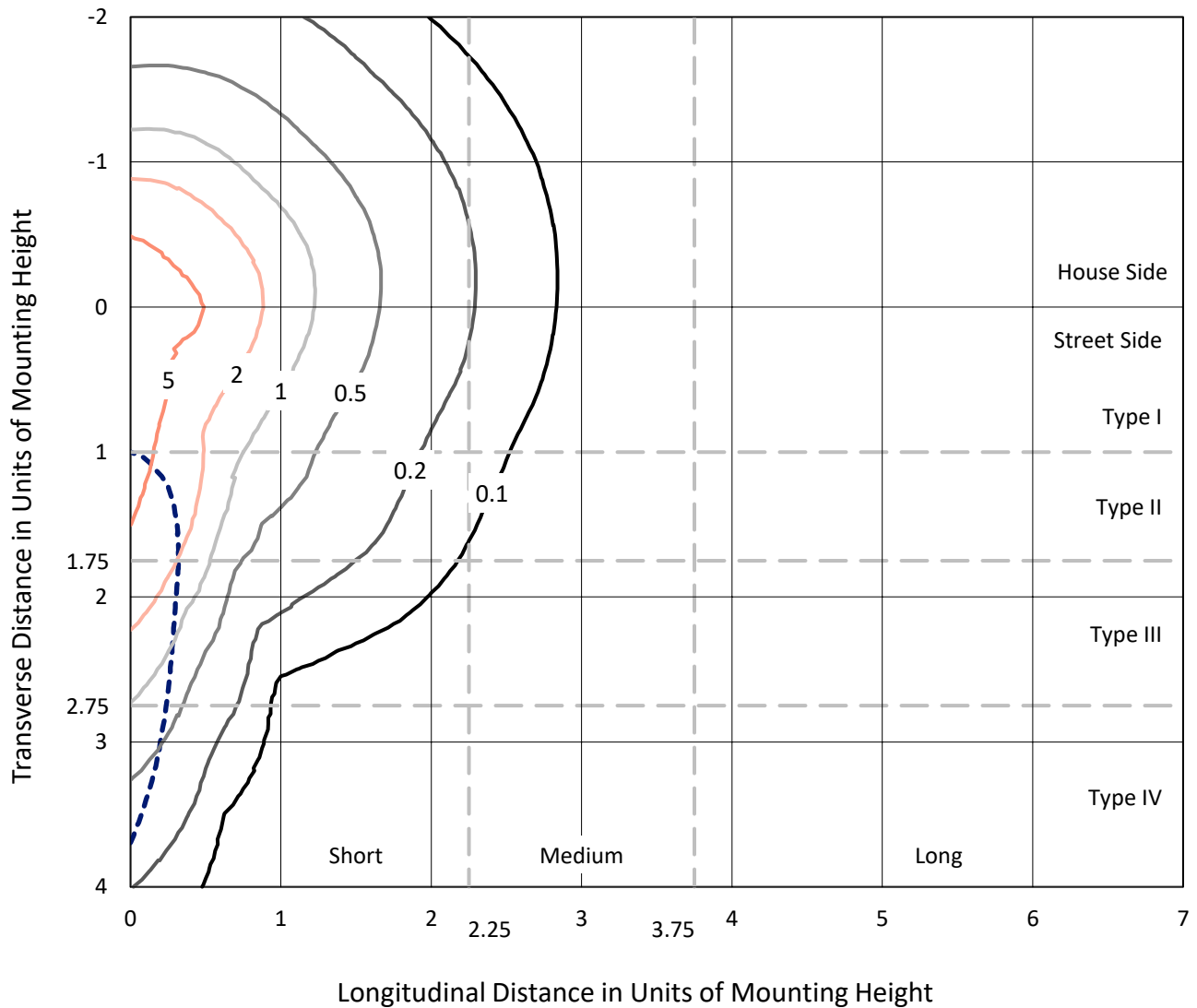
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

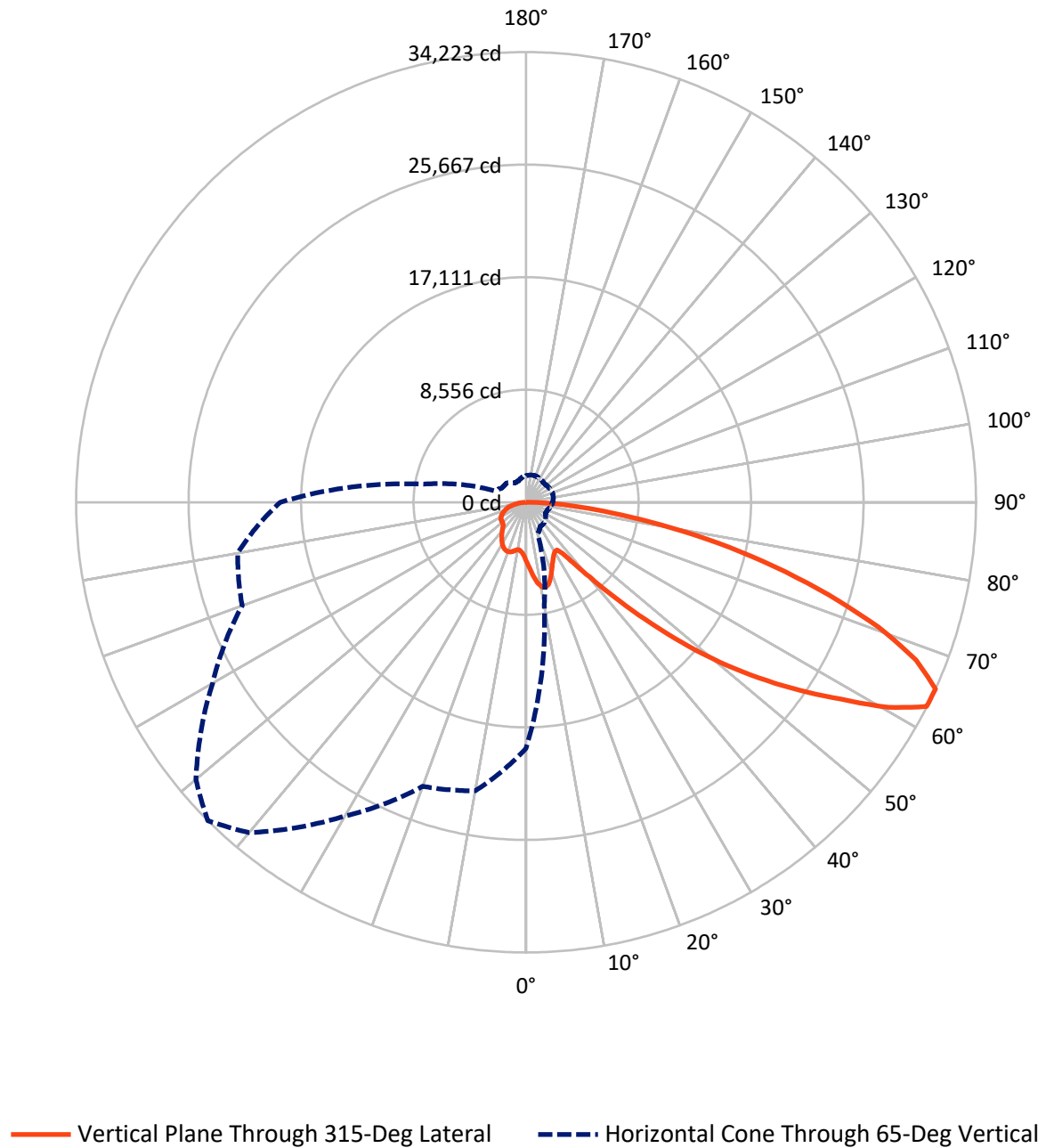
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.9 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	8333.8	0.0	8333.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	24457.2	0.0	24457.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	32791.0	0.0	32791.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.3	1.4
10°-20°	1404.1	4.3
20°-30°	2168.9	6.6
30°-40°	2748.6	8.4
40°-50°	4145.5	12.6
50°-60°	6697.7	20.4
60°-70°	8349.8	25.5
70°-80°	5475.4	16.7
80°-90°	1353.6	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°	32791.0	100.0
0°-180°	32791.0	100.0



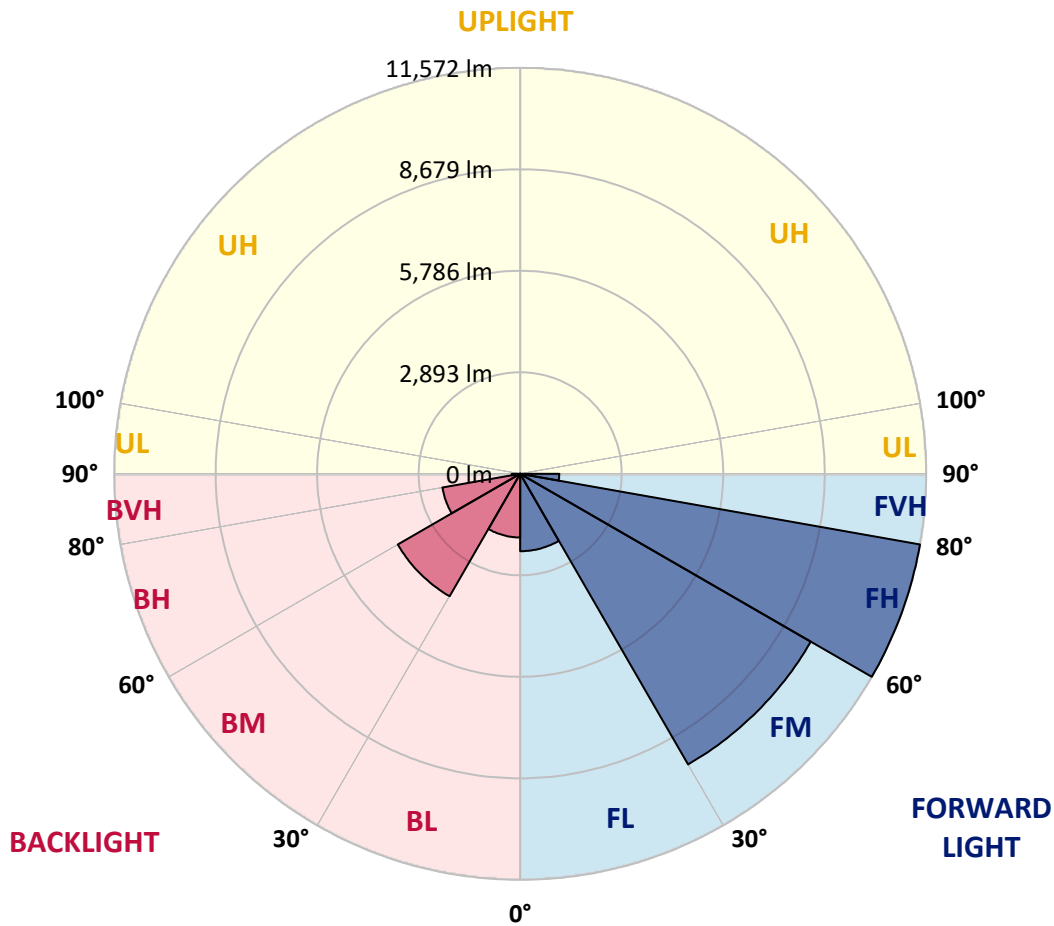
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2205.6	6.7			
FM (30°-60°)	9564.4	29.2			
FH (60°-80°)	11572.1	35.3			G4/12000
FVH (80°-90°)	1115.1	3.4			G5
BL (0°-30°)	1814.8	5.5	B3/2500		
BM (30°-60°)	4027.4	12.3	B3/5000		
BH (60°-80°)	2253.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	238.5	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°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
2.5°	4849.0	4811.8	4774.6	4735.0	4695.6	4655.8	4616.0	4577.9	4539.8	4503.0
5°	5214.1	5131.9	5049.7	4967.7	4885.9	4803.4	4721.0	4644.0	4567.0	4494.3
7.5°	5580.9	5445.3	5309.8	5184.5	5059.3	4937.3	4815.3	4707.9	4600.4	4501.3
10°	5862.1	5690.6	5519.2	5353.6	5188.2	5040.1	4891.8	4764.8	4637.4	4515.1
12.5°	6034.3	5845.8	5657.6	5470.0	5282.5	5107.7	4933.0	4789.2	4645.4	4516.8
15°	6138.9	5942.6	5746.2	5542.7	5339.2	5138.0	4936.8	4770.3	4603.9	4461.5
17.5°	6197.8	5998.6	5799.5	5577.5	5355.5	5121.9	4888.3	4688.1	4487.9	4320.4
20°	6262.7	6055.7	5848.6	5604.6	5360.7	5077.6	4794.5	4546.4	4298.3	4103.3
22.5°	6337.9	6126.5	5914.9	5641.3	5367.6	5023.3	4679.0	4380.1	4081.3	3859.3
25°	6434.8	6227.5	6020.4	5707.8	5394.9	4969.6	4544.5	4194.5	3844.6	3617.1
27.5°	6566.3	6368.7	6171.0	5811.6	5452.0	4933.8	4415.6	4024.7	3633.9	3426.8
30°	6743.7	6552.6	6361.8	5946.0	5530.2	4917.0	4303.5	3882.9	3462.2	3288.3
32.5°	6953.0	6763.9	6575.0	6086.3	5597.7	4896.3	4194.5	3760.5	3326.4	3186.3
35°	7207.4	7026.4	6845.2	6246.2	5647.2	4857.2	4067.5	3640.3	3213.1	3096.3
37.5°	7635.6	7404.8	7174.0	6425.3	5676.6	4790.2	3903.8	3498.7	3093.7	2991.6
40°	8282.7	7946.4	7610.0	6652.7	5695.1	4698.0	3701.0	3329.9	2958.7	2866.2
42.5°	9140.9	8655.4	8169.9	6950.1	5730.3	4602.8	3475.7	3143.5	2811.3	2726.0
45°	10200.7	9545.8	8890.9	7341.5	5792.0	4514.4	3237.0	2945.6	2654.2	2567.7
47.5°	11526.1	10604.4	9682.5	7758.5	5834.4	4441.4	3048.4	2789.0	2529.6	2418.0
50°	13263.3	11873.7	10484.0	8145.3	5806.7	4361.8	2916.9	2685.0	2453.2	2306.4
52.5°	15257.4	13207.0	11156.7	8396.6	5636.3	4227.4	2818.6	2616.5	2414.6	2245.9
55°	17380.4	14389.1	11398.1	8341.2	5284.2	4004.5	2724.8	2566.8	2408.9	2251.9
57.5°	19311.4	15226.9	11142.5	7951.6	4760.8	3690.3	2619.6	2508.0	2396.4	2258.0
60°	20478.4	15436.3	10394.0	7226.4	4058.8	3282.3	2505.8	2418.0	2330.3	2239.0
62.5°	19885.8	14554.7	9223.6	6245.9	3268.1	2794.0	2319.9	2261.6	2203.5	2192.2
65°	18699.7	13307.4	7915.1	5245.4	2576.0	2354.7	2133.4	2105.9	2078.4	2079.8
67.5°	17110.5	11823.0	6535.5	4265.4	1995.3	1932.5	1869.5	1884.9	1900.2	1896.4
70°	15201.2	10203.3	5205.5	3358.4	1511.4	1529.4	1547.2	1618.5	1689.6	1689.6
72.5°	12925.9	8447.5	3969.2	2567.5	1165.8	1220.0	1274.3	1375.4	1476.3	1493.2
75°	10047.6	6434.6	2821.7	1863.5	905.3	954.4	1003.5	1116.7	1229.9	1308.1
77.5°	7178.8	4503.7	1828.5	1262.7	696.9	730.3	763.9	873.8	983.7	1112.6
80°	4698.5	2901.6	1104.8	813.6	522.5	536.4	550.2	643.3	736.2	890.2
82.5°	2731.2	1679.4	627.7	500.4	373.4	375.8	378.6	447.1	515.6	647.1
85°	1201.7	755.4	309.4	267.5	225.8	224.6	223.2	273.4	323.6	421.3
87.5°	372.0	247.4	122.8	110.9	99.0	97.8	96.5	117.0	137.6	178.2
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°
4509.0	0°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
4462.0	2.5°	4428.8	4395.7	4365.8	4336.0	4309.9	4283.8	4257.5	4231.3	4211.1	4190.7
4422.5	5°	4359.9	4297.1	4244.5	4192.1	4145.7	4099.3	4057.3	4015.1	3982.7	3950.2
4408.3	7.5°	4324.9	4241.7	4172.5	4103.3	4045.0	3986.5	3934.9	3883.6	3845.0	3806.6
4415.3	10°	4327.4	4239.5	4170.3	4101.1	4038.2	3975.3	3917.3	3859.3	3813.3	3767.1
4423.9	12.5°	4351.9	4280.3	4234.3	4188.6	4139.1	4090.0	4029.9	3970.1	3911.2	3852.4
4387.1	15°	4352.6	4318.4	4324.6	4330.8	4318.0	4305.2	4253.1	4201.1	4117.3	4033.6
4274.6	17.5°	4287.2	4299.7	4375.1	4450.6	4490.7	4530.7	4488.6	4446.8	4335.8	4224.9
4091.2	20°	4150.0	4208.8	4339.8	4471.0	4554.9	4638.8	4619.4	4599.9	4473.1	4346.4
3883.0	22.5°	3970.1	4057.1	4206.6	4356.4	4465.6	4574.8	4586.6	4598.2	4477.0	4355.9
3681.1	25°	3781.5	3881.8	4016.3	4150.9	4258.3	4365.8	4405.9	4445.9	4346.6	4247.4
3504.6	27.5°	3601.5	3698.4	3809.0	3919.4	4005.5	4091.7	4136.3	4181.2	4110.4	4039.8
3349.4	30°	3426.3	3503.4	3595.1	3686.8	3758.3	3829.9	3866.3	3902.6	3848.8	3794.8
3213.4	32.5°	3258.9	3304.4	3377.6	3451.0	3519.5	3588.2	3628.5	3669.0	3619.5	3569.9
3085.0	35°	3097.5	3110.1	3166.0	3221.7	3289.6	3357.6	3406.0	3454.5	3419.2	3384.0
2950.4	37.5°	2936.6	2922.7	2962.9	3002.9	3070.5	3138.3	3198.2	3258.1	3241.8	3225.5
2803.0	40°	2771.7	2740.4	2769.3	2798.2	2863.6	2929.0	2997.8	3066.9	3070.9	3074.7
2646.4	42.5°	2604.9	2563.4	2586.9	2610.6	2672.6	2734.7	2809.1	2883.5	2903.4	2923.3
2490.7	45°	2450.2	2409.9	2429.6	2449.7	2508.5	2567.4	2644.5	2721.7	2750.2	2778.8
2351.8	47.5°	2317.8	2283.9	2302.6	2321.1	2378.8	2436.2	2512.3	2588.5	2621.3	2654.2
2229.4	50°	2199.3	2169.4	2198.5	2227.7	2282.0	2336.2	2404.4	2472.5	2514.8	2557.0
2138.2	52.5°	2108.5	2078.9	2122.7	2166.3	2216.1	2265.8	2329.3	2392.9	2442.9	2493.0
2089.8	55°	2042.7	1995.8	2058.0	2119.9	2173.5	2227.2	2282.9	2338.4	2391.4	2444.5
2060.7	57.5°	1992.2	1923.7	1990.5	2057.3	2120.3	2183.2	2238.3	2293.5	2346.9	2400.2
2033.4	60°	1944.6	1855.7	1914.4	1972.8	2045.2	2117.5	2173.4	2229.4	2283.1	2336.7
2001.6	62.5°	1890.5	1779.6	1816.8	1854.0	1938.2	2022.7	2082.4	2142.1	2191.2	2240.3
1934.4	65°	1816.4	1698.2	1712.6	1726.8	1817.1	1907.6	1964.7	2021.8	2065.1	2108.3
1814.7	67.5°	1716.4	1618.1	1613.6	1609.1	1692.5	1776.1	1830.3	1884.2	1921.6	1959.0
1662.8	70°	1592.9	1523.0	1507.4	1491.8	1565.2	1638.6	1685.3	1732.0	1765.7	1799.5
1493.6	72.5°	1445.6	1397.7	1374.9	1352.2	1410.0	1467.6	1509.8	1552.0	1585.1	1618.1
1301.5	75°	1264.6	1227.6	1205.8	1183.8	1226.8	1269.7	1307.9	1346.1	1376.2	1406.4
1109.1	77.5°	1079.5	1049.9	1027.8	1005.6	1040.6	1075.4	1108.2	1141.1	1172.8	1204.3
889.7	80°	865.0	840.0	821.5	802.8	831.9	860.8	888.5	916.2	940.2	964.1
654.4	82.5°	642.3	630.2	617.0	603.9	601.4	599.0	589.3	579.6	630.9	682.1
430.8	85°	417.9	404.9	390.2	375.5	363.0	350.4	323.6	296.7	344.7	392.8
190.3	87.5°	185.1	179.9	177.2	174.4	173.9	173.4	153.0	132.4	152.4	172.7
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4509.0	0°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
4174.2	2.5°	4157.8	4145.0	4132.2	4120.4	4108.5	4093.8	4108.5	4120.4	4132.2	4145.0
3927.5	5°	3904.8	3888.7	3872.7	3860.4	3848.1	3836.0	3848.1	3860.4	3872.7	3888.7
3779.6	7.5°	3752.6	3734.1	3715.7	3704.6	3693.7	3685.4	3693.7	3704.6	3715.7	3734.1
3737.0	10°	3706.6	3689.1	3671.6	3662.3	3652.9	3649.1	3652.9	3662.3	3671.6	3689.1
3813.5	12.5°	3774.6	3755.0	3735.6	3727.7	3719.7	3718.3	3719.7	3727.7	3735.6	3755.0
3974.4	15°	3915.2	3888.1	3861.1	3850.7	3840.3	3839.4	3840.3	3850.7	3861.1	3888.1
4137.7	17.5°	4050.5	4010.4	3970.1	3956.9	3943.6	3941.5	3943.6	3956.9	3970.1	4010.4
4239.5	20°	4132.7	4081.3	4029.8	4013.3	3996.9	3991.7	3996.9	4013.3	4029.8	4081.3
4245.9	22.5°	4135.7	4081.5	4027.2	4009.0	3990.8	3983.0	3990.8	4009.0	4027.2	4081.5
4149.5	25°	4051.9	4004.8	3958.0	3940.8	3923.9	3913.8	3923.9	3940.8	3958.0	4004.8
3963.8	27.5°	3887.9	3856.4	3824.7	3816.9	3809.2	3806.6	3809.2	3816.9	3824.7	3856.4
3740.5	30°	3685.8	3669.7	3653.4	3653.4	3653.4	3656.0	3653.4	3653.4	3653.4	3669.7
3526.4	32.5°	3483.0	3472.4	3461.9	3463.3	3464.8	3467.4	3464.8	3463.3	3461.9	3472.4
3343.9	35°	3303.9	3287.8	3271.9	3268.5	3265.0	3263.3	3265.0	3268.5	3271.9	3287.8
3188.7	37.5°	3151.7	3122.4	3093.4	3078.0	3062.6	3053.9	3062.6	3078.0	3093.4	3122.4
3043.3	40°	3012.0	2969.5	2927.2	2898.5	2870.1	2853.2	2870.1	2898.5	2927.2	2969.5
2896.8	42.5°	2870.5	2817.7	2764.9	2723.2	2681.5	2654.2	2681.5	2723.2	2764.9	2817.7
2754.9	45°	2731.2	2670.8	2610.6	2561.6	2512.7	2481.2	2512.7	2561.6	2610.6	2670.8
2637.6	47.5°	2621.0	2567.4	2513.7	2468.4	2423.2	2392.9	2423.2	2468.4	2513.7	2567.4
2555.9	50°	2555.2	2512.3	2469.4	2427.5	2385.7	2356.6	2385.7	2427.5	2469.4	2512.3
2501.9	52.5°	2510.9	2476.0	2441.0	2403.5	2366.1	2339.3	2366.1	2403.5	2441.0	2476.0
2457.0	55°	2469.4	2439.0	2408.5	2375.6	2342.8	2318.5	2342.8	2375.6	2408.5	2439.0
2412.8	57.5°	2425.5	2394.7	2363.9	2331.3	2298.6	2273.6	2298.6	2331.3	2363.9	2394.7
2350.6	60°	2364.4	2334.3	2304.4	2270.8	2237.2	2211.3	2237.2	2270.8	2304.4	2334.3
2253.7	62.5°	2267.0	2239.8	2212.7	2177.4	2142.1	2110.9	2142.1	2177.4	2212.7	2239.8
2122.0	65°	2135.5	2109.4	2083.2	2049.0	2014.9	1988.1	2014.9	2049.0	2083.2	2109.4
1972.3	67.5°	1985.5	1961.4	1937.5	1905.7	1873.9	1849.6	1873.9	1905.7	1937.5	1961.4
1812.3	70°	1825.1	1805.5	1786.0	1755.5	1725.1	1697.4	1725.1	1755.5	1786.0	1805.5
1633.4	72.5°	1648.6	1632.3	1616.1	1587.0	1558.1	1531.3	1558.1	1587.0	1616.1	1632.3
1422.3	75°	1438.2	1430.2	1422.3	1397.9	1373.5	1347.9	1373.5	1397.9	1422.3	1430.2
1219.1	77.5°	1234.0	1222.9	1211.5	1187.0	1162.4	1142.0	1162.4	1187.0	1211.5	1222.9
983.8	80°	1003.5	998.7	994.0	961.0	927.8	889.4	927.8	961.0	994.0	998.7
715.6	82.5°	749.2	747.1	744.9	717.0	689.0	664.4	689.0	717.0	744.9	747.1
434.3	85°	475.8	472.4	468.9	447.1	425.3	403.1	425.3	447.1	468.9	472.4
189.5	87.5°	206.2	202.1	197.6	186.5	175.1	164.4	175.1	186.5	197.6	202.1
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°
4509.0	0°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
4157.8	2.5°	4174.2	4190.7	4211.1	4231.3	4257.5	4283.8	4309.9	4336.0	4365.8	4395.7
3904.8	5°	3927.5	3950.2	3982.7	4015.1	4057.3	4099.3	4145.7	4192.1	4244.5	4297.1
3752.6	7.5°	3779.6	3806.6	3845.0	3883.6	3934.9	3986.5	4045.0	4103.3	4172.5	4241.7
3706.6	10°	3737.0	3767.1	3813.3	3859.3	3917.3	3975.3	4038.2	4101.1	4170.3	4239.5
3774.6	12.5°	3813.5	3852.4	3911.2	3970.1	4029.9	4090.0	4139.1	4188.6	4234.3	4280.3
3915.2	15°	3974.4	4033.6	4117.3	4201.1	4253.1	4305.2	4318.0	4330.8	4324.6	4318.4
4050.5	17.5°	4137.7	4224.9	4335.8	4446.8	4488.6	4530.7	4490.7	4450.6	4375.1	4299.7
4132.7	20°	4239.5	4346.4	4473.1	4599.9	4619.4	4638.8	4554.9	4471.0	4339.8	4208.8
4135.7	22.5°	4245.9	4355.9	4477.0	4598.2	4586.6	4574.8	4465.6	4356.4	4206.6	4057.1
4051.9	25°	4149.5	4247.4	4346.6	4445.9	4405.9	4365.8	4258.3	4150.9	4016.3	3881.8
3887.9	27.5°	3963.8	4039.8	4110.4	4181.2	4136.3	4091.7	4005.5	3919.4	3809.0	3698.4
3685.8	30°	3740.5	3794.8	3848.8	3902.6	3866.3	3829.9	3758.3	3686.8	3595.1	3503.4
3483.0	32.5°	3526.4	3569.9	3619.5	3669.0	3628.5	3588.2	3519.5	3451.0	3377.6	3304.4
3303.9	35°	3343.9	3384.0	3419.2	3454.5	3406.0	3357.6	3289.6	3221.7	3166.0	3110.1
3151.7	37.5°	3188.7	3225.5	3241.8	3258.1	3198.2	3138.3	3070.5	3002.9	2962.9	2922.7
3012.0	40°	3043.3	3074.7	3070.9	3066.9	2997.8	2929.0	2863.6	2798.2	2769.3	2740.4
2870.5	42.5°	2896.8	2923.3	2903.4	2883.5	2809.1	2734.7	2672.6	2610.6	2586.9	2563.4
2731.2	45°	2754.9	2778.8	2750.2	2721.7	2644.5	2567.4	2508.5	2449.7	2429.6	2409.9
2621.0	47.5°	2637.6	2654.2	2621.3	2588.5	2512.3	2436.2	2378.8	2321.1	2302.6	2283.9
2555.2	50°	2555.9	2557.0	2514.8	2472.5	2404.4	2336.2	2282.0	2227.7	2198.5	2169.4
2510.9	52.5°	2501.9	2493.0	2442.9	2392.9	2329.3	2265.8	2216.1	2166.3	2122.7	2078.9
2469.4	55°	2457.0	2444.5	2391.4	2338.4	2282.9	2227.2	2173.5	2119.9	2058.0	1995.8
2425.5	57.5°	2412.8	2400.2	2346.9	2293.5	2238.3	2183.2	2120.3	2057.3	1990.5	1923.7
2364.4	60°	2350.6	2336.7	2283.1	2229.4	2173.4	2117.5	2045.2	1972.8	1914.4	1855.7
2267.0	62.5°	2253.7	2240.3	2191.2	2142.1	2082.4	2022.7	1938.2	1854.0	1816.8	1779.6
2135.5	65°	2122.0	2108.3	2065.1	2021.8	1964.7	1907.6	1817.1	1726.8	1712.6	1698.2
1985.5	67.5°	1972.3	1959.0	1921.6	1884.2	1830.3	1776.1	1692.5	1609.1	1613.6	1618.1
1825.1	70°	1812.3	1799.5	1765.7	1732.0	1685.3	1638.6	1565.2	1491.8	1507.4	1523.0
1648.6	72.5°	1633.4	1618.1	1585.1	1552.0	1509.8	1467.6	1410.0	1352.2	1374.9	1397.7
1438.2	75°	1422.3	1406.4	1376.2	1346.1	1307.9	1269.7	1226.8	1183.8	1205.8	1227.6
1234.0	77.5°	1219.1	1204.3	1172.8	1141.1	1108.2	1075.4	1040.6	1005.6	1027.8	1049.9
1003.5	80°	983.8	964.1	940.2	916.2	888.5	860.8	831.9	802.8	821.5	840.0
749.2	82.5°	715.6	682.1	630.9	579.6	589.3	599.0	601.4	603.9	617.0	630.2
475.8	85°	434.3	392.8	344.7	296.7	323.6	350.4	363.0	375.5	390.2	404.9
206.2	87.5°	189.5	172.7	152.4	132.4	153.0	173.4	173.9	174.4	177.2	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°
4509.0	0°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
4428.8	2.5°	4462.0	4503.0	4539.8	4577.9	4616.0	4655.8	4695.6	4735.0	4774.6	4811.8
4359.9	5°	4422.5	4494.3	4567.0	4644.0	4721.0	4803.4	4885.9	4967.7	5049.7	5131.9
4324.9	7.5°	4408.3	4501.3	4600.4	4707.9	4815.3	4937.3	5059.3	5184.5	5309.8	5445.3
4327.4	10°	4415.3	4515.1	4637.4	4764.8	4891.8	5040.1	5188.2	5353.6	5519.2	5690.6
4351.9	12.5°	4423.9	4516.8	4645.4	4789.2	4933.0	5107.7	5282.5	5470.0	5657.6	5845.8
4352.6	15°	4387.1	4461.5	4603.9	4770.3	4936.8	5138.0	5339.2	5542.7	5746.2	5942.6
4287.2	17.5°	4274.6	4320.4	4487.9	4688.1	4888.3	5121.9	5355.5	5577.5	5799.5	5998.6
4150.0	20°	4091.2	4103.3	4298.3	4546.4	4794.5	5077.6	5360.7	5604.6	5848.6	6055.7
3970.1	22.5°	3883.0	3859.3	4081.3	4380.1	4679.0	5023.3	5367.6	5641.3	5914.9	6126.5
3781.5	25°	3681.1	3617.1	3844.6	4194.5	4544.5	4969.6	5394.9	5707.8	6020.4	6227.5
3601.5	27.5°	3504.6	3426.8	3633.9	4024.7	4415.6	4933.8	5452.0	5811.6	6171.0	6368.7
3426.3	30°	3349.4	3288.3	3462.2	3882.9	4303.5	4917.0	5530.2	5946.0	6361.8	6552.6
3258.9	32.5°	3213.4	3186.3	3326.4	3760.5	4194.5	4896.3	5597.7	6086.3	6575.0	6763.9
3097.5	35°	3085.0	3096.3	3213.1	3640.3	4067.5	4857.2	5647.2	6246.2	6845.2	7026.4
2936.6	37.5°	2950.4	2991.6	3093.7	3498.7	3903.8	4790.2	5676.6	6425.3	7174.0	7404.8
2771.7	40°	2803.0	2866.2	2958.7	3329.9	3701.0	4698.0	5695.1	6652.7	7610.0	7946.4
2604.9	42.5°	2646.4	2726.0	2811.3	3143.5	3475.7	4602.8	5730.3	6950.1	8169.9	8655.4
2450.2	45°	2490.7	2567.7	2654.2	2945.6	3237.0	4514.4	5792.0	7341.5	8890.9	9545.8
2317.8	47.5°	2351.8	2418.0	2529.6	2789.0	3048.4	4441.4	5834.4	7758.5	9682.5	10604.4
2199.3	50°	2229.4	2306.4	2453.2	2685.0	2916.9	4361.8	5806.7	8145.3	10484.0	11873.7
2108.5	52.5°	2138.2	2245.9	2414.6	2616.5	2818.6	4227.4	5636.3	8396.6	11156.7	13207.0
2042.7	55°	2089.8	2251.9	2408.9	2566.8	2724.8	4004.5	5284.2	8341.2	11398.1	14389.1
1992.2	57.5°	2060.7	2258.0	2396.4	2508.0	2619.6	3690.3	4760.8	7951.6	11142.5	15226.9
1944.6	60°	2033.4	2239.0	2330.3	2418.0	2505.8	3282.3	4058.8	7226.4	10394.0	15436.3
1890.5	62.5°	2001.6	2192.2	2203.5	2261.6	2319.9	2794.0	3268.1	6245.9	9223.6	14554.7
1816.4	65°	1934.4	2079.8	2078.4	2105.9	2133.4	2354.7	2576.0	5245.4	7915.1	13307.4
1716.4	67.5°	1814.7	1896.4	1900.2	1884.9	1869.5	1932.5	1995.3	4265.4	6535.5	11823.0
1592.9	70°	1662.8	1689.6	1689.6	1618.5	1547.2	1529.4	1511.4	3358.4	5205.5	10203.3
1445.6	72.5°	1493.6	1493.2	1476.3	1375.4	1274.3	1220.0	1165.8	2567.5	3969.2	8447.5
1264.6	75°	1301.5	1308.1	1229.9	1116.7	1003.5	954.4	905.3	1863.5	2821.7	6434.6
1079.5	77.5°	1109.1	1112.6	983.7	873.8	763.9	730.3	696.9	1262.7	1828.5	4503.7
865.0	80°	889.7	890.2	736.2	643.3	550.2	536.4	522.5	813.6	1104.8	2901.6
642.3	82.5°	654.4	647.1	515.6	447.1	378.6	375.8	373.4	500.4	627.7	1679.4
417.9	85°	430.8	421.3	323.6	273.4	223.2	224.6	225.8	267.5	309.4	755.4
185.1	87.5°	190.3	178.2	137.6	117.0	96.5	97.8	99.0	110.9	122.8	247.4
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4509.0	0°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
4849.0	2.5°	4867.4	4885.9	4912.0	4938.1	4953.7	4969.3	4977.1	4984.9	4981.4	4984.9
5214.1	5°	5278.3	5342.7	5406.4	5470.2	5504.8	5539.4	5560.3	5581.5	5597.4	5581.5
5580.9	7.5°	5685.4	5789.8	5883.7	5977.7	6034.3	6090.8	6121.5	6151.9	6166.6	6151.9
5862.1	10°	5985.6	6109.2	6219.4	6329.6	6396.4	6462.8	6492.6	6522.2	6533.4	6522.2
6034.3	12.5°	6168.2	6301.9	6401.6	6500.9	6549.4	6597.8	6614.1	6630.3	6632.1	6630.3
6138.9	15°	6254.5	6369.9	6432.4	6495.0	6496.8	6498.5	6481.2	6463.9	6443.5	6463.9
6197.8	17.5°	6275.8	6353.8	6355.1	6356.1	6286.0	6215.9	6151.7	6087.4	6042.1	6087.4
6262.7	20°	6289.8	6317.2	6235.0	6152.8	5998.1	5843.4	5730.8	5618.1	5548.9	5618.1
6337.9	22.5°	6302.3	6266.6	6096.4	5926.1	5698.6	5471.1	5330.2	5189.4	5112.9	5189.4
6434.8	25°	6322.4	6209.9	5951.4	5692.9	5416.6	5140.2	4992.1	4844.4	4772.0	4844.4
6566.3	27.5°	6365.3	6164.0	5821.6	5479.4	5173.1	4866.9	4721.2	4575.7	4507.3	4575.7
6743.7	30°	6443.8	6144.1	5722.6	5301.2	4982.1	4663.0	4527.9	4392.8	4329.1	4392.8
6953.0	32.5°	6542.4	6132.0	5655.2	5178.3	4878.5	4578.6	4472.5	4366.3	4320.4	4366.3
7207.4	35°	6704.9	6202.6	5705.7	5208.9	5000.6	4792.5	4767.7	4743.0	4739.2	4743.0
7635.6	37.5°	7044.6	6453.5	6001.9	5550.3	5536.8	5523.3	5636.5	5749.6	5808.5	5749.6
8282.7	40°	7639.9	6997.2	6661.3	6325.5	6562.5	6799.6	7074.7	7349.8	7486.8	7349.8
9140.9	42.5°	8503.2	7865.4	7672.0	7478.5	7995.5	8512.5	9012.9	9513.3	9807.1	9513.3
10200.7	45°	9627.8	9054.8	8969.5	8884.0	9712.3	10540.7	11362.9	12185.3	12684.5	12185.3
11526.1	47.5°	10968.8	10411.3	10394.0	10376.7	11571.6	12766.2	13969.9	15173.5	15880.3	15173.5
13263.3	50°	12574.8	11886.5	11889.4	11892.4	13432.3	14972.2	16561.1	18150.0	19110.7	18150.0
15257.4	52.5°	14423.8	13590.3	13506.0	13421.6	15261.0	17100.5	19066.4	21032.1	22183.6	21032.1
17380.4	55°	16556.8	15733.2	15404.6	15076.1	17123.3	19170.4	21514.0	23857.6	25227.1	23857.6
19311.4	57.5°	18862.9	18414.2	17755.2	17096.3	19163.4	21230.6	23885.1	26539.5	28237.8	26539.5
20478.4	60°	21175.0	21871.8	21053.4	20235.0	22191.2	24147.4	26989.6	29831.7	31667.1	29831.7
19885.8	62.5°	21789.3	23692.7	23600.5	23508.1	25300.1	27092.3	29796.4	32500.2	34196.8	32500.2
18699.7	65°	20486.2	22272.7	22626.2	22979.5	25256.9	27534.4	30156.4	32778.3	34222.7	32778.3
17110.5	67.5°	18809.6	20508.7	20674.5	20840.1	23212.9	25585.6	28218.9	30852.2	31983.8	30852.2
15201.2	70°	17049.2	18897.5	18971.6	19045.8	21167.8	23289.6	25555.7	27821.6	28450.6	27821.6
12925.9	72.5°	15046.6	17167.6	17220.9	17274.0	18934.2	20594.4	22291.6	23988.6	24052.3	23988.6
10047.6	75°	12242.6	14437.6	14634.7	14831.7	16123.4	17415.0	18609.8	19804.5	19484.4	19804.5
7178.8	77.5°	9227.8	11276.9	11559.0	11841.0	12822.9	13804.8	14652.1	15499.6	14949.4	15499.6
4698.5	80°	6422.4	8146.0	8496.6	8847.1	9588.7	10330.0	10775.0	11219.8	10334.8	11219.8
2731.2	82.5°	3909.7	5088.3	5479.9	5871.6	6382.0	6892.5	7078.1	7263.6	6568.0	7263.6
1201.7	85°	1827.1	2452.6	2785.7	3118.8	3538.2	3957.4	4062.8	4168.2	3611.0	4168.2
372.0	87.5°	582.2	792.5	978.3	1164.1	1373.8	1583.5	1592.5	1601.4	1344.4	1601.4
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):

325°		330°	335°	340°	345°	350°	355°	360°
4509.0	0°	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0	4509.0
4977.1	2.5°	4969.3	4953.7	4938.1	4912.0	4885.9	4867.4	4849.0
5560.3	5°	5539.4	5504.8	5470.2	5406.4	5342.7	5278.3	5214.1
6121.5	7.5°	6090.8	6034.3	5977.7	5883.7	5789.8	5685.4	5580.9
6492.6	10°	6462.8	6396.4	6329.6	6219.4	6109.2	5985.6	5862.1
6614.1	12.5°	6597.8	6549.4	6500.9	6401.6	6301.9	6168.2	6034.3
6481.2	15°	6498.5	6496.8	6495.0	6432.4	6369.9	6254.5	6138.9
6151.7	17.5°	6215.9	6286.0	6356.1	6355.1	6353.8	6275.8	6197.8
5730.8	20°	5843.4	5998.1	6152.8	6235.0	6317.2	6289.8	6262.7
5330.2	22.5°	5471.1	5698.6	5926.1	6096.4	6266.6	6302.3	6337.9
4992.1	25°	5140.2	5416.6	5692.9	5951.4	6209.9	6322.4	6434.8
4721.2	27.5°	4866.9	5173.1	5479.4	5821.6	6164.0	6365.3	6566.3
4527.9	30°	4663.0	4982.1	5301.2	5722.6	6144.1	6443.8	6743.7
4472.5	32.5°	4578.6	4878.5	5178.3	5655.2	6132.0	6542.4	6953.0
4767.7	35°	4792.5	5000.6	5208.9	5705.7	6202.6	6704.9	7207.4
5636.5	37.5°	5523.3	5536.8	5550.3	6001.9	6453.5	7044.6	7635.6
7074.7	40°	6799.6	6562.5	6325.5	6661.3	6997.2	7639.9	8282.7
9012.9	42.5°	8512.5	7995.5	7478.5	7672.0	7865.4	8503.2	9140.9
11362.9	45°	10540.7	9712.3	8884.0	8969.5	9054.8	9627.8	10200.7
13969.9	47.5°	12766.2	11571.6	10376.7	10394.0	10411.3	10968.8	11526.1
16561.1	50°	14972.2	13432.3	11892.4	11889.4	11886.5	12574.8	13263.3
19066.4	52.5°	17100.5	15261.0	13421.6	13506.0	13590.3	14423.8	15257.4
21514.0	55°	19170.4	17123.3	15076.1	15404.6	15733.2	16556.8	17380.4
23885.1	57.5°	21230.6	19163.4	17096.3	17755.2	18414.2	18862.9	19311.4
26989.6	60°	24147.4	22191.2	20235.0	21053.4	21871.8	21175.0	20478.4
29796.4	62.5°	27092.3	25300.1	23508.1	23600.5	23692.7	21789.3	19885.8
30156.4	65°	27534.4	25256.9	22979.5	22626.2	22272.7	20486.2	18699.7
28218.9	67.5°	25585.6	23212.9	20840.1	20674.5	20508.7	18809.6	17110.5
25555.7	70°	23289.6	21167.8	19045.8	18971.6	18897.5	17049.2	15201.2
22291.6	72.5°	20594.4	18934.2	17274.0	17220.9	17167.6	15046.6	12925.9
18609.8	75°	17415.0	16123.4	14831.7	14634.7	14437.6	12242.6	10047.6
14652.1	77.5°	13804.8	12822.9	11841.0	11559.0	11276.9	9227.8	7178.8
10775.0	80°	10330.0	9588.7	8847.1	8496.6	8146.0	6422.4	4698.5
7078.1	82.5°	6892.5	6382.0	5871.6	5479.9	5088.3	3909.7	2731.2
4062.8	85°	3957.4	3538.2	3118.8	2785.7	2452.6	1827.1	1201.7
1592.5	87.5°	1583.5	1373.8	1164.1	978.3	792.5	582.2	372.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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