

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: P951436

Luminaire Tested: **GALN-SB5C-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5C-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33871 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

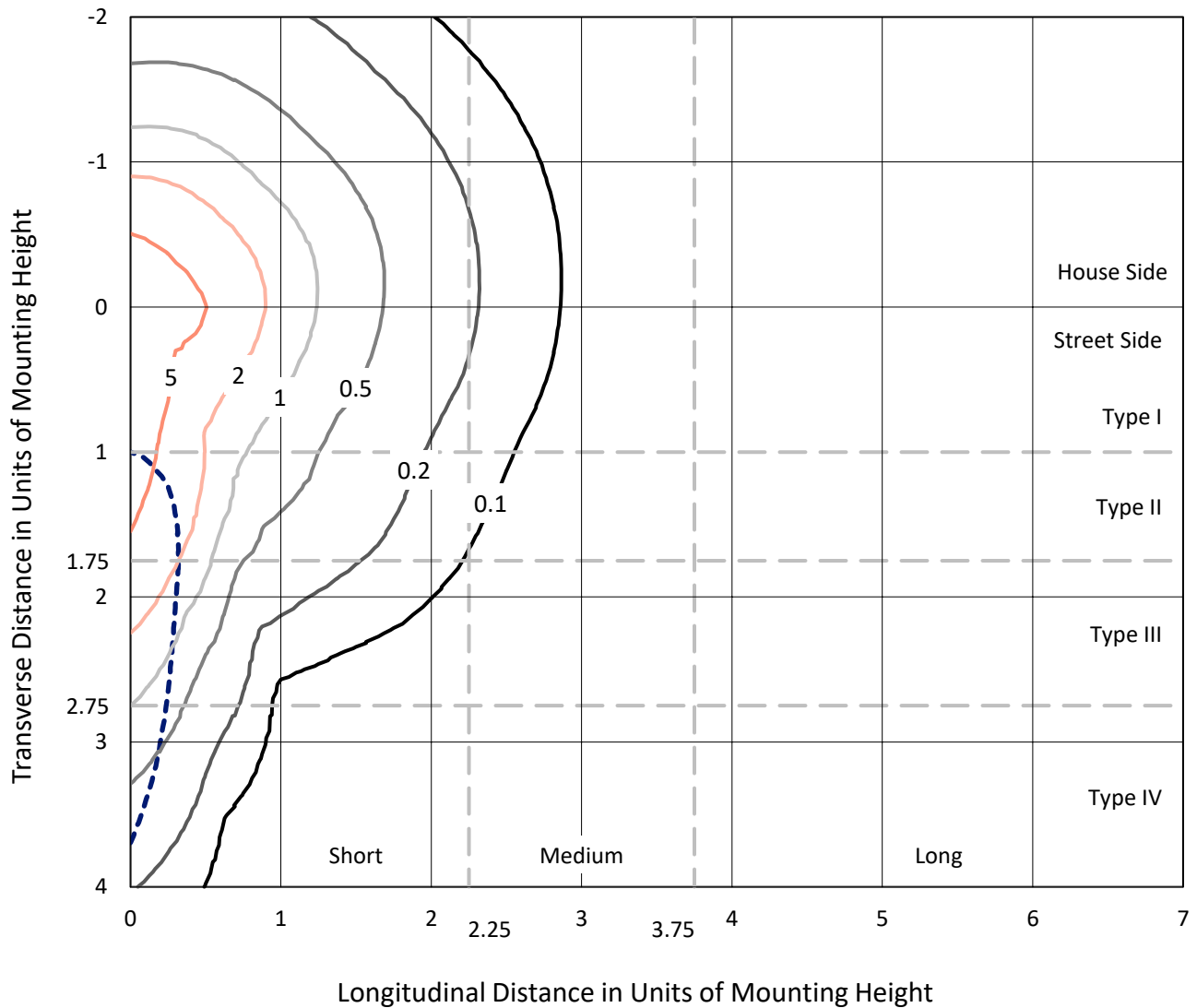
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

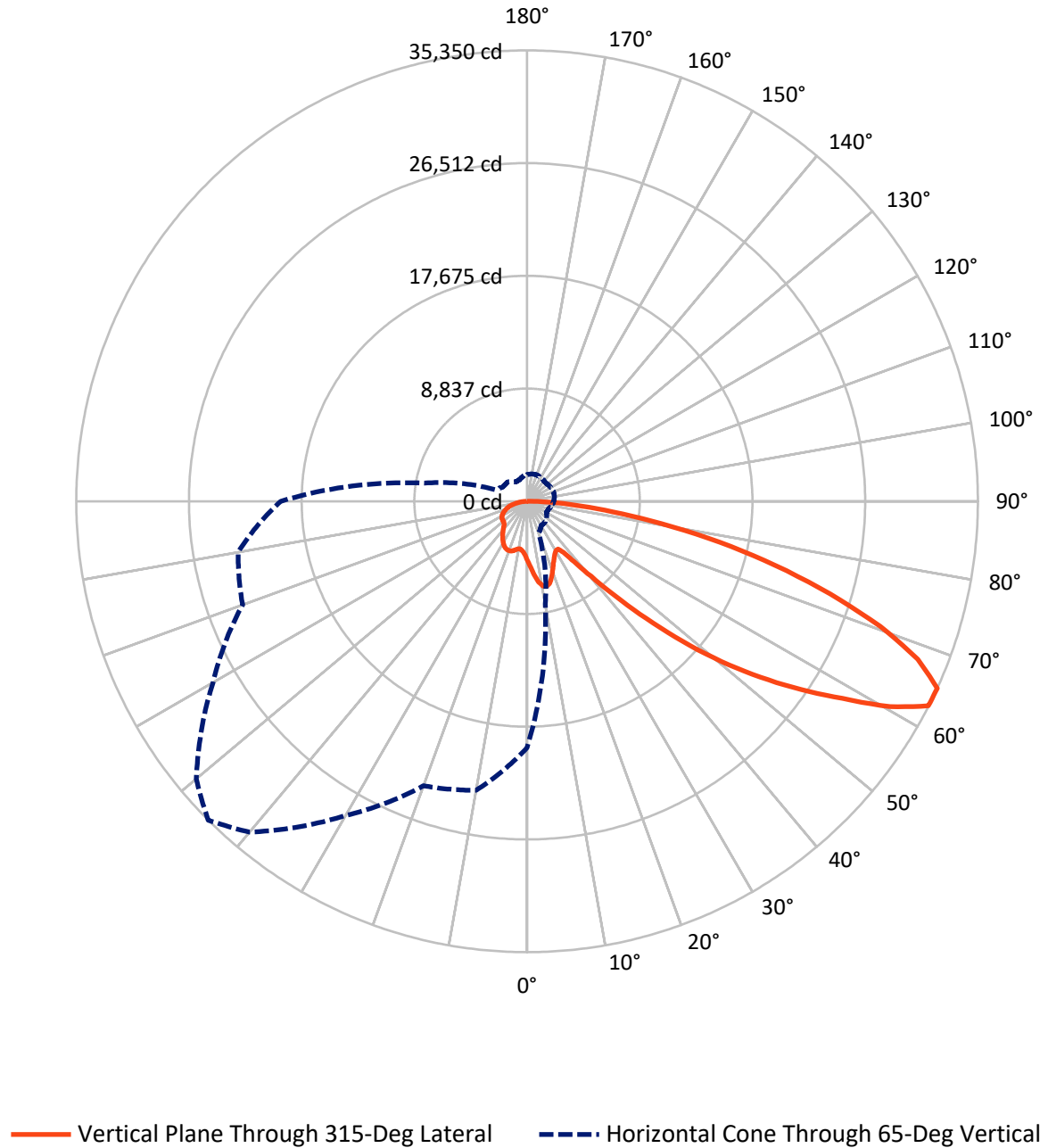
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	8608.3	0.0	8608.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	25262.7	0.0	25262.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	33871.0	0.0	33871.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	462.0	1.4
10°-20°	1450.4	4.3
20°-30°	2240.4	6.6
30°-40°	2839.1	8.4
40°-50°	4282.1	12.6
50°-60°	6918.3	20.4
60°-70°	8624.8	25.5
70°-80°	5655.7	16.7
80°-90°	1398.2	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°	33871.0	100.0
0°-180°	33871.0	100.0



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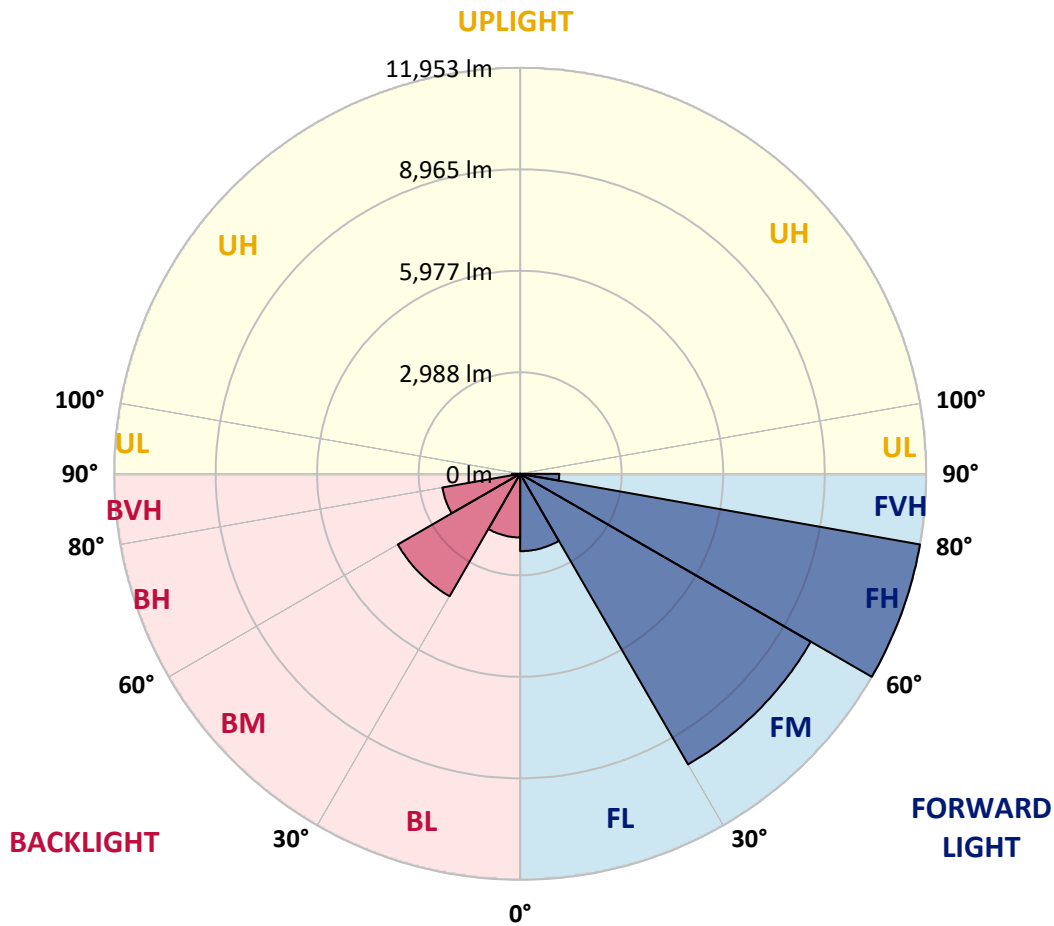
CATALOG NUMBER: GALN-SB5C-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2278.2	6.7			
FM (30°-60°)	9879.4	29.2			
FH (60°-80°)	11953.2	35.3			G4/12000
FVH (80°-90°)	1151.8	3.4			G5
BL (0°-30°)	1874.6	5.5	B3/2500		
BM (30°-60°)	4160.1	12.3	B3/5000		
BH (60°-80°)	2327.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	246.4	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
2.5°	5008.7	4970.3	4931.9	4891.0	4850.2	4809.1	4768.0	4728.7	4689.4	4651.3
5°	5385.9	5301.0	5216.1	5131.4	5046.8	4961.6	4876.5	4797.0	4717.4	4642.4
7.5°	5764.8	5624.6	5484.7	5355.3	5225.9	5099.9	4973.9	4862.9	4751.9	4649.5
10°	6055.2	5878.1	5700.9	5529.9	5359.0	5206.1	5052.9	4921.7	4790.2	4663.8
12.5°	6233.0	6038.4	5843.9	5650.2	5456.5	5275.9	5095.4	4946.9	4798.4	4665.6
15°	6341.1	6138.3	5935.4	5725.3	5515.1	5307.2	5099.4	4927.4	4755.5	4608.4
17.5°	6401.9	6196.2	5990.5	5761.2	5531.9	5290.6	5049.3	4842.5	4635.7	4462.7
20°	6468.9	6255.2	6041.2	5789.2	5537.2	5244.8	4952.4	4696.2	4439.9	4238.4
22.5°	6546.7	6328.3	6109.7	5827.1	5544.4	5188.7	4833.1	4524.4	4215.7	3986.4
25°	6646.8	6432.6	6218.7	5895.8	5572.6	5133.3	4694.2	4332.6	3971.3	3736.2
27.5°	6782.6	6578.5	6374.2	6003.0	5631.6	5096.3	4561.0	4157.3	3753.6	3539.6
30°	6965.8	6768.5	6571.3	6141.9	5712.4	5079.0	4445.2	4010.8	3576.3	3396.7
32.5°	7182.0	6986.7	6791.5	6286.8	5782.1	5057.5	4332.6	3884.4	3436.0	3291.2
35°	7444.8	7257.8	7070.7	6451.9	5833.2	5017.1	4201.4	3760.2	3318.9	3198.3
37.5°	7887.1	7648.7	7410.3	6636.9	5863.6	4948.0	4032.4	3614.0	3195.6	3090.1
40°	8555.5	8208.1	7860.7	6871.8	5882.7	4852.7	3822.9	3439.5	3056.2	2960.6
42.5°	9442.0	8940.5	8439.0	7179.0	5919.0	4754.4	3590.2	3247.1	2903.9	2815.8
45°	10536.7	9860.2	9183.7	7583.3	5982.8	4663.1	3343.6	3042.6	2741.6	2652.3
47.5°	11905.7	10953.7	10001.4	8014.0	6026.6	4587.7	3148.8	2880.9	2612.9	2497.7
50°	13700.1	12264.8	10829.3	8413.6	5998.0	4505.5	3012.9	2773.4	2534.0	2382.4
52.5°	15759.9	13642.0	11524.1	8673.1	5821.9	4366.6	2911.4	2702.7	2494.1	2319.8
55°	17952.9	14863.1	11773.5	8615.9	5458.2	4136.4	2814.5	2651.4	2488.2	2326.1
57.5°	19947.4	15728.4	11509.5	8213.5	4917.6	3811.8	2705.9	2590.6	2475.3	2332.4
60°	21152.9	15944.7	10736.3	7464.4	4192.5	3390.4	2588.3	2497.7	2407.1	2312.7
62.5°	20540.8	15034.1	9527.4	6451.6	3375.7	2886.0	2396.3	2336.1	2276.1	2264.4
65°	19315.6	13745.7	8175.7	5418.2	2660.8	2432.3	2203.7	2175.3	2146.8	2148.3
67.5°	17674.0	12212.4	6750.8	4405.9	2061.0	1996.2	1931.1	1947.0	1962.7	1958.8
70°	15701.8	10539.4	5376.9	3469.0	1561.2	1579.7	1598.2	1671.8	1745.2	1745.2
72.5°	13351.6	8725.7	4099.9	2652.1	1204.2	1260.2	1316.3	1420.7	1524.9	1542.4
75°	10378.5	6646.6	2914.6	1924.9	935.1	985.8	1036.6	1153.5	1270.4	1351.2
77.5°	7415.3	4652.0	1888.8	1304.3	719.9	754.4	789.1	902.6	1016.0	1149.2
80°	4853.3	2997.2	1141.2	840.4	539.7	554.0	568.3	664.5	760.5	919.5
82.5°	2821.2	1734.7	648.4	516.9	385.7	388.2	391.0	461.8	532.6	668.4
85°	1241.2	780.3	319.6	276.3	233.2	232.0	230.6	282.4	334.2	435.2
87.5°	384.3	255.6	126.9	114.6	102.2	101.0	99.7	120.8	142.1	184.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4657.6	0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
4608.9	2.5°	4574.6	4540.5	4509.6	4478.8	4451.8	4424.9	4397.7	4370.7	4349.8	4328.7
4568.2	5°	4503.5	4438.6	4384.3	4330.1	4282.2	4234.3	4190.9	4147.3	4113.9	4080.3
4553.5	7.5°	4467.4	4381.4	4309.9	4238.4	4178.2	4117.8	4064.5	4011.5	3971.6	3931.9
4560.7	10°	4469.9	4379.1	4307.6	4236.1	4171.2	4106.2	4046.3	3986.4	3938.9	3891.2
4569.6	12.5°	4495.3	4421.3	4373.7	4326.6	4275.4	4224.7	4162.7	4100.8	4040.1	3979.3
4531.6	15°	4496.0	4460.6	4467.0	4473.5	4460.2	4447.0	4393.2	4339.4	4252.9	4166.4
4415.4	17.5°	4428.4	4441.3	4519.2	4597.1	4638.6	4679.9	4636.5	4593.2	4478.7	4364.1
4225.9	20°	4286.7	4347.5	4482.8	4618.2	4704.9	4791.6	4771.6	4751.4	4620.4	4489.6
4010.9	22.5°	4100.8	4190.7	4345.1	4499.9	4612.7	4725.5	4737.6	4749.6	4624.5	4499.4
3802.4	25°	3906.0	4009.7	4148.5	4287.6	4398.6	4509.6	4551.0	4592.3	4489.7	4387.3
3620.1	27.5°	3720.1	3820.2	3934.4	4048.5	4137.5	4226.5	4272.6	4318.9	4245.8	4172.9
3459.7	30°	3539.1	3618.8	3713.5	3808.3	3882.1	3956.1	3993.6	4031.1	3975.5	3919.8
3319.3	32.5°	3366.3	3413.3	3488.9	3564.7	3635.4	3706.4	3748.0	3789.8	3738.7	3687.4
3186.7	35°	3199.5	3212.6	3270.3	3327.8	3397.9	3468.1	3518.2	3568.2	3531.8	3495.5
3047.6	37.5°	3033.3	3019.0	3060.5	3101.8	3171.6	3241.7	3303.5	3365.4	3348.6	3331.8
2895.3	40°	2863.0	2830.6	2860.5	2890.3	2957.9	3025.4	3096.6	3167.9	3172.0	3175.9
2733.6	42.5°	2690.7	2647.8	2672.1	2696.6	2760.6	2824.7	2901.6	2978.4	2999.0	3019.5
2572.7	45°	2530.9	2489.3	2509.6	2530.4	2591.1	2651.9	2731.6	2811.3	2840.8	2870.3
2429.2	47.5°	2394.2	2359.2	2378.5	2397.6	2457.1	2516.4	2595.1	2673.7	2707.7	2741.6
2302.9	50°	2271.8	2240.8	2270.9	2301.1	2357.2	2413.1	2483.6	2554.0	2597.6	2641.2
2208.7	52.5°	2177.9	2147.4	2192.6	2237.6	2289.1	2340.4	2406.0	2471.8	2523.4	2575.1
2158.6	55°	2110.0	2061.6	2125.7	2189.7	2245.1	2300.5	2358.1	2415.5	2470.1	2525.0
2128.6	57.5°	2057.8	1987.1	2056.0	2125.0	2190.1	2255.1	2312.0	2369.0	2424.2	2479.3
2100.4	60°	2008.7	1916.8	1977.4	2037.8	2112.5	2187.2	2245.0	2302.9	2358.3	2413.7
2067.5	62.5°	1952.7	1838.2	1876.6	1915.0	2002.1	2089.3	2150.9	2212.6	2263.4	2314.1
1998.1	65°	1876.2	1754.2	1769.0	1783.7	1877.0	1970.4	2029.4	2088.4	2133.1	2177.8
1874.5	67.5°	1772.9	1671.4	1666.8	1662.1	1748.3	1834.6	1890.5	1946.3	1984.9	2023.5
1717.5	70°	1645.3	1573.1	1557.0	1541.0	1616.7	1692.5	1740.8	1789.0	1823.9	1858.7
1542.7	72.5°	1493.2	1443.7	1420.1	1396.7	1456.4	1515.9	1559.5	1603.2	1637.3	1671.4
1344.4	75°	1306.3	1268.0	1245.5	1222.8	1267.2	1311.5	1351.0	1390.5	1421.6	1452.7
1145.6	77.5°	1115.1	1084.5	1061.6	1038.7	1074.8	1110.8	1144.7	1178.7	1211.4	1243.9
919.0	80°	893.4	867.7	848.6	829.3	859.3	889.2	917.7	946.3	971.2	995.9
675.9	82.5°	663.4	650.9	637.3	623.7	621.2	618.7	608.7	598.7	651.6	704.5
445.0	85°	431.6	418.2	403.0	387.8	375.0	361.9	334.2	306.5	356.0	405.7
196.6	87.5°	191.2	185.9	183.0	180.2	179.6	179.1	158.0	136.7	157.5	178.4
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):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4657.6	0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
4311.7	2.5°	4294.7	4281.5	4268.3	4256.1	4243.8	4228.6	4243.8	4256.1	4268.3	4281.5
4056.9	5°	4033.4	4016.8	4000.2	3987.5	3974.8	3962.3	3974.8	3987.5	4000.2	4016.8
3904.1	7.5°	3876.2	3857.0	3838.1	3826.7	3815.4	3806.8	3815.4	3826.7	3838.1	3857.0
3860.1	10°	3828.6	3810.6	3792.5	3782.9	3773.2	3769.3	3773.2	3782.9	3792.5	3810.6
3939.1	12.5°	3898.9	3878.7	3858.7	3850.4	3842.2	3840.8	3842.2	3850.4	3858.7	3878.7
4105.3	15°	4044.2	4016.1	3988.2	3977.5	3966.8	3965.9	3966.8	3977.5	3988.2	4016.1
4274.0	17.5°	4183.9	4142.5	4100.8	4087.2	4073.5	4071.3	4073.5	4087.2	4100.8	4142.5
4379.1	20°	4268.8	4215.7	4162.5	4145.5	4128.5	4123.2	4128.5	4145.5	4162.5	4215.7
4385.7	22.5°	4271.9	4215.9	4159.8	4141.0	4122.3	4114.2	4122.3	4141.0	4159.8	4215.9
4286.2	25°	4185.4	4136.8	4088.3	4070.6	4053.1	4042.7	4053.1	4070.6	4088.3	4136.8
4094.4	27.5°	4015.9	3983.4	3950.7	3942.7	3934.6	3931.9	3934.6	3942.7	3950.7	3983.4
3863.7	30°	3807.2	3790.6	3773.8	3773.8	3773.8	3776.4	3773.8	3773.8	3773.8	3790.6
3642.6	32.5°	3597.7	3586.8	3575.9	3577.3	3579.0	3581.6	3579.0	3577.3	3575.9	3586.8
3454.0	35°	3412.7	3396.1	3379.7	3376.1	3372.5	3370.7	3372.5	3376.1	3379.7	3396.1
3293.7	37.5°	3255.5	3225.3	3195.2	3179.3	3163.4	3154.5	3163.4	3179.3	3195.2	3225.3
3143.6	40°	3111.2	3067.3	3023.7	2994.0	2964.7	2947.2	2964.7	2994.0	3023.7	3067.3
2992.2	42.5°	2965.0	2910.5	2856.0	2812.9	2769.9	2741.6	2769.9	2812.9	2856.0	2910.5
2845.6	45°	2821.2	2758.8	2696.6	2646.0	2595.4	2562.9	2595.4	2646.0	2696.6	2758.8
2724.5	47.5°	2707.3	2651.9	2596.5	2549.7	2503.0	2471.8	2503.0	2549.7	2596.5	2651.9
2640.1	50°	2639.4	2595.1	2550.8	2507.5	2464.3	2434.2	2464.3	2507.5	2550.8	2595.1
2584.4	52.5°	2593.6	2557.5	2521.4	2482.7	2444.1	2416.4	2444.1	2482.7	2521.4	2557.5
2537.9	55°	2550.8	2519.3	2487.8	2453.9	2419.9	2394.9	2419.9	2453.9	2487.8	2519.3
2492.3	57.5°	2505.4	2473.5	2441.7	2408.1	2374.4	2348.4	2374.4	2408.1	2441.7	2473.5
2428.0	60°	2442.3	2411.2	2380.2	2345.6	2310.9	2284.1	2310.9	2345.6	2380.2	2411.2
2327.9	62.5°	2341.6	2313.6	2285.5	2249.1	2212.6	2180.4	2212.6	2249.1	2285.5	2313.6
2191.9	65°	2205.8	2178.8	2151.8	2116.5	2081.2	2053.5	2081.2	2116.5	2151.8	2178.8
2037.3	67.5°	2050.9	2026.0	2001.4	1968.5	1935.6	1910.6	1935.6	1968.5	2001.4	2026.0
1872.0	70°	1885.2	1865.0	1844.8	1813.3	1781.9	1753.3	1781.9	1813.3	1844.8	1865.0
1687.2	72.5°	1702.9	1686.1	1669.3	1639.3	1609.4	1581.7	1609.4	1639.3	1669.3	1686.1
1469.1	75°	1485.6	1477.3	1469.1	1443.9	1418.7	1392.3	1418.7	1443.9	1469.1	1477.3
1259.3	77.5°	1274.7	1263.2	1251.4	1226.0	1200.7	1179.6	1200.7	1226.0	1251.4	1263.2
1016.2	80°	1036.6	1031.6	1026.8	992.6	958.3	918.6	958.3	992.6	1026.8	1031.6
739.2	82.5°	773.9	771.7	769.4	740.6	711.7	686.3	711.7	740.6	769.4	771.7
448.6	85°	491.5	487.9	484.3	461.8	439.3	416.4	439.3	461.8	484.3	487.9
195.7	87.5°	213.0	208.7	204.1	192.7	180.9	169.8	180.9	192.7	204.1	208.7
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):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4657.6	0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
4294.7	2.5°	4311.7	4328.7	4349.8	4370.7	4397.7	4424.9	4451.8	4478.8	4509.6	4540.5
4033.4	5°	4056.9	4080.3	4113.9	4147.3	4190.9	4234.3	4282.2	4330.1	4384.3	4438.6
3876.2	7.5°	3904.1	3931.9	3971.6	4011.5	4064.5	4117.8	4178.2	4238.4	4309.9	4381.4
3828.6	10°	3860.1	3891.2	3938.9	3986.4	4046.3	4106.2	4171.2	4236.1	4307.6	4379.1
3898.9	12.5°	3939.1	3979.3	4040.1	4100.8	4162.7	4224.7	4275.4	4326.6	4373.7	4421.3
4044.2	15°	4105.3	4166.4	4252.9	4339.4	4393.2	4447.0	4460.2	4473.5	4467.0	4460.6
4183.9	17.5°	4274.0	4364.1	4478.7	4593.2	4636.5	4679.9	4638.6	4597.1	4519.2	4441.3
4268.8	20°	4379.1	4489.6	4620.4	4751.4	4771.6	4791.6	4704.9	4618.2	4482.8	4347.5
4271.9	22.5°	4385.7	4499.4	4624.5	4749.6	4737.6	4725.5	4612.7	4499.9	4345.1	4190.7
4185.4	25°	4286.2	4387.3	4489.7	4592.3	4551.0	4509.6	4398.6	4287.6	4148.5	4009.7
4015.9	27.5°	4094.4	4172.9	4245.8	4318.9	4272.6	4226.5	4137.5	4048.5	3934.4	3820.2
3807.2	30°	3863.7	3919.8	3975.5	4031.1	3993.6	3956.1	3882.1	3808.3	3713.5	3618.8
3597.7	32.5°	3642.6	3687.4	3738.7	3789.8	3748.0	3706.4	3635.4	3564.7	3488.9	3413.3
3412.7	35°	3454.0	3495.5	3531.8	3568.2	3518.2	3468.1	3397.9	3327.8	3270.3	3212.6
3255.5	37.5°	3293.7	3331.8	3348.6	3365.4	3303.5	3241.7	3171.6	3101.8	3060.5	3019.0
3111.2	40°	3143.6	3175.9	3172.0	3167.9	3096.6	3025.4	2957.9	2890.3	2860.5	2830.6
2965.0	42.5°	2992.2	3019.5	2999.0	2978.4	2901.6	2824.7	2760.6	2696.6	2672.1	2647.8
2821.2	45°	2845.6	2870.3	2840.8	2811.3	2731.6	2651.9	2591.1	2530.4	2509.6	2489.3
2707.3	47.5°	2724.5	2741.6	2707.7	2673.7	2595.1	2516.4	2457.1	2397.6	2378.5	2359.2
2639.4	50°	2640.1	2641.2	2597.6	2554.0	2483.6	2413.1	2357.2	2301.1	2270.9	2240.8
2593.6	52.5°	2584.4	2575.1	2523.4	2471.8	2406.0	2340.4	2289.1	2237.6	2192.6	2147.4
2550.8	55°	2537.9	2525.0	2470.1	2415.5	2358.1	2300.5	2245.1	2189.7	2125.7	2061.6
2505.4	57.5°	2492.3	2479.3	2424.2	2369.0	2312.0	2255.1	2190.1	2125.0	2056.0	1987.1
2442.3	60°	2428.0	2413.7	2358.3	2302.9	2245.0	2187.2	2112.5	2037.8	1977.4	1916.8
2341.6	62.5°	2327.9	2314.1	2263.4	2212.6	2150.9	2089.3	2002.1	1915.0	1876.6	1838.2
2205.8	65°	2191.9	2177.8	2133.1	2088.4	2029.4	1970.4	1877.0	1783.7	1769.0	1754.2
2050.9	67.5°	2037.3	2023.5	1984.9	1946.3	1890.5	1834.6	1748.3	1662.1	1666.8	1671.4
1885.2	70°	1872.0	1858.7	1823.9	1789.0	1740.8	1692.5	1616.7	1541.0	1557.0	1573.1
1702.9	72.5°	1687.2	1671.4	1637.3	1603.2	1559.5	1515.9	1456.4	1396.7	1420.1	1443.7
1485.6	75°	1469.1	1452.7	1421.6	1390.5	1351.0	1311.5	1267.2	1222.8	1245.5	1268.0
1274.7	77.5°	1259.3	1243.9	1211.4	1178.7	1144.7	1110.8	1074.8	1038.7	1061.6	1084.5
1036.6	80°	1016.2	995.9	971.2	946.3	917.7	889.2	859.3	829.3	848.6	867.7
773.9	82.5°	739.2	704.5	651.6	598.7	608.7	618.7	621.2	623.7	637.3	650.9
491.5	85°	448.6	405.7	356.0	306.5	334.2	361.9	375.0	387.8	403.0	418.2
213.0	87.5°	195.7	178.4	157.5	136.7	158.0	179.1	179.6	180.2	183.0	185.9
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°
4657.6	0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
4574.6	2.5°	4608.9	4651.3	4689.4	4728.7	4768.0	4809.1	4850.2	4891.0	4931.9	4970.3
4503.5	5°	4568.2	4642.4	4717.4	4797.0	4876.5	4961.6	5046.8	5131.4	5216.1	5301.0
4467.4	7.5°	4553.5	4649.5	4751.9	4862.9	4973.9	5099.9	5225.9	5355.3	5484.7	5624.6
4469.9	10°	4560.7	4663.8	4790.2	4921.7	5052.9	5206.1	5359.0	5529.9	5700.9	5878.1
4495.3	12.5°	4569.6	4665.6	4798.4	4946.9	5095.4	5275.9	5456.5	5650.2	5843.9	6038.4
4496.0	15°	4531.6	4608.4	4755.5	4927.4	5099.4	5307.2	5515.1	5725.3	5935.4	6138.3
4428.4	17.5°	4415.4	4462.7	4635.7	4842.5	5049.3	5290.6	5531.9	5761.2	5990.5	6196.2
4286.7	20°	4225.9	4238.4	4439.9	4696.2	4952.4	5244.8	5537.2	5789.2	6041.2	6255.2
4100.8	22.5°	4010.9	3986.4	4215.7	4524.4	4833.1	5188.7	5544.4	5827.1	6109.7	6328.3
3906.0	25°	3802.4	3736.2	3971.3	4332.6	4694.2	5133.3	5572.6	5895.8	6218.7	6432.6
3720.1	27.5°	3620.1	3539.6	3753.6	4157.3	4561.0	5096.3	5631.6	6003.0	6374.2	6578.5
3539.1	30°	3459.7	3396.7	3576.3	4010.8	4445.2	5079.0	5712.4	6141.9	6571.3	6768.5
3366.3	32.5°	3319.3	3291.2	3436.0	3884.4	4332.6	5057.5	5782.1	6286.8	6791.5	6986.7
3199.5	35°	3186.7	3198.3	3318.9	3760.2	4201.4	5017.1	5833.2	6451.9	7070.7	7257.8
3033.3	37.5°	3047.6	3090.1	3195.6	3614.0	4032.4	4948.0	5863.6	6636.9	7410.3	7648.7
2863.0	40°	2895.3	2960.6	3056.2	3439.5	3822.9	4852.7	5882.7	6871.8	7860.7	8208.1
2690.7	42.5°	2733.6	2815.8	2903.9	3247.1	3590.2	4754.4	5919.0	7179.0	8439.0	8940.5
2530.9	45°	2572.7	2652.3	2741.6	3042.6	3343.6	4663.1	5982.8	7583.3	9183.7	9860.2
2394.2	47.5°	2429.2	2497.7	2612.9	2880.9	3148.8	4587.7	6026.6	8014.0	10001.4	10953.7
2271.8	50°	2302.9	2382.4	2534.0	2773.4	3012.9	4505.5	5998.0	8413.6	10829.3	12264.8
2177.9	52.5°	2208.7	2319.8	2494.1	2702.7	2911.4	4366.6	5821.9	8673.1	11524.1	13642.0
2110.0	55°	2158.6	2326.1	2488.2	2651.4	2814.5	4136.4	5458.2	8615.9	11773.5	14863.1
2057.8	57.5°	2128.6	2332.4	2475.3	2590.6	2705.9	3811.8	4917.6	8213.5	11509.5	15728.4
2008.7	60°	2100.4	2312.7	2407.1	2497.7	2588.3	3390.4	4192.5	7464.4	10736.3	15944.7
1952.7	62.5°	2067.5	2264.4	2276.1	2336.1	2396.3	2886.0	3375.7	6451.6	9527.4	15034.1
1876.2	65°	1998.1	2148.3	2146.8	2175.3	2203.7	2432.3	2660.8	5418.2	8175.7	13745.7
1772.9	67.5°	1874.5	1958.8	1962.7	1947.0	1931.1	1996.2	2061.0	4405.9	6750.8	12212.4
1645.3	70°	1717.5	1745.2	1745.2	1671.8	1598.2	1579.7	1561.2	3469.0	5376.9	10539.4
1493.2	72.5°	1542.7	1542.4	1524.9	1420.7	1316.3	1260.2	1204.2	2652.1	4099.9	8725.7
1306.3	75°	1344.4	1351.2	1270.4	1153.5	1036.6	985.8	935.1	1924.9	2914.6	6646.6
1115.1	77.5°	1145.6	1149.2	1016.0	902.6	789.1	754.4	719.9	1304.3	1888.8	4652.0
893.4	80°	919.0	919.5	760.5	664.5	568.3	554.0	539.7	840.4	1141.2	2997.2
663.4	82.5°	675.9	668.4	532.6	461.8	391.0	388.2	385.7	516.9	648.4	1734.7
431.6	85°	445.0	435.2	334.2	282.4	230.6	232.0	233.2	276.3	319.6	780.3
191.2	87.5°	196.6	184.1	142.1	120.8	99.7	101.0	102.2	114.6	126.9	255.6
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):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4657.6	0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
5008.7	2.5°	5027.7	5046.8	5073.8	5100.8	5116.9	5133.0	5141.0	5149.0	5145.5	5149.0
5385.9	5°	5452.2	5518.6	5584.4	5650.4	5686.1	5721.9	5743.5	5765.3	5781.7	5765.3
5764.8	7.5°	5872.7	5980.5	6077.5	6174.6	6233.0	6291.5	6323.1	6354.5	6369.7	6354.5
6055.2	10°	6182.8	6310.4	6424.2	6538.1	6607.1	6675.7	6706.4	6737.0	6748.6	6737.0
6233.0	12.5°	6371.3	6509.5	6612.4	6715.0	6765.1	6815.1	6831.9	6848.7	6850.5	6848.7
6341.1	15°	6460.5	6579.7	6644.3	6709.0	6710.7	6712.5	6694.7	6676.8	6655.7	6676.8
6401.9	17.5°	6482.5	6563.1	6564.4	6565.4	6493.1	6420.7	6354.4	6287.9	6241.1	6287.9
6468.9	20°	6497.0	6525.2	6440.3	6355.4	6195.7	6035.9	5919.5	5803.2	5731.7	5803.2
6546.7	22.5°	6509.9	6473.0	6297.2	6121.3	5886.3	5651.3	5505.8	5360.3	5281.3	5360.3
6646.8	25°	6530.6	6414.4	6147.4	5880.4	5595.0	5309.5	5156.6	5003.9	4929.2	5003.9
6782.6	27.5°	6574.9	6367.1	6013.4	5659.8	5343.5	5027.2	4876.7	4726.4	4655.8	4726.4
6965.8	30°	6656.0	6346.5	5911.1	5475.8	5146.2	4816.6	4677.0	4537.5	4471.7	4537.5
7182.0	32.5°	6757.9	6334.0	5841.4	5348.9	5039.1	4729.4	4619.8	4510.1	4462.7	4510.1
7444.8	35°	6925.7	6406.9	5893.6	5380.5	5165.3	4950.3	4924.7	4899.2	4895.3	4899.2
7887.1	37.5°	7276.6	6666.1	6199.6	5733.1	5719.2	5705.2	5822.1	5939.0	5999.8	5939.0
8555.5	40°	7891.6	7227.6	6880.7	6533.8	6778.7	7023.5	7307.7	7591.8	7733.4	7591.8
9442.0	42.5°	8783.2	8124.4	7924.6	7724.8	8258.8	8792.9	9309.7	9826.6	10130.1	9826.6
10536.7	45°	9944.9	9353.0	9264.9	9176.6	10032.2	10887.9	11737.2	12586.7	13102.3	12586.7
11905.7	47.5°	11330.0	10754.2	10736.3	10718.5	11952.7	13186.6	14430.0	15673.2	16403.3	15673.2
13700.1	50°	12989.0	12278.0	12281.0	12284.1	13874.7	15465.4	17106.6	18747.8	19740.1	18747.8
15759.9	52.5°	14898.8	14037.9	13950.9	13863.6	15763.7	17663.7	19694.3	21724.8	22914.2	21724.8
17952.9	55°	17102.1	16251.4	15912.0	15572.6	17687.3	19801.8	22222.6	24643.4	26058.0	24643.4
19947.4	57.5°	19484.2	19020.7	18340.0	17659.4	19794.6	21929.8	24671.8	27413.6	29167.8	27413.6
21152.9	60°	21872.5	22592.2	21746.8	20901.4	22922.1	24942.8	27878.5	30814.2	32710.1	30814.2
20540.8	62.5°	22506.9	24473.1	24377.8	24282.4	26133.4	27984.6	30777.7	33570.7	35323.1	33570.7
19315.6	65°	21161.0	23006.3	23371.4	23736.4	26088.7	28441.3	31149.7	33857.9	35349.9	33857.9
17674.0	67.5°	19429.1	21184.2	21355.4	21526.4	23977.5	26428.3	29148.3	31868.3	33037.2	31868.3
15701.8	70°	17610.8	19519.9	19596.4	19673.1	21864.9	24056.6	26397.4	28738.0	29387.6	28738.0
13351.6	72.5°	15542.2	17733.0	17788.1	17842.9	19557.8	21272.7	23025.8	24778.7	24844.5	24778.7
10378.5	75°	12645.8	14913.1	15116.7	15320.2	16654.4	17988.6	19222.7	20456.8	20126.1	20456.8
7415.3	77.5°	9531.7	11648.4	11939.7	12231.0	13245.3	14259.5	15134.7	16010.1	15441.8	16010.1
4853.3	80°	6633.9	8414.3	8776.4	9138.5	9904.5	10670.2	11129.9	11589.4	10675.2	11589.4
2821.2	82.5°	4038.5	5255.9	5660.4	6065.0	6592.2	7119.5	7311.3	7502.8	6784.4	7502.8
1241.2	85°	1887.3	2533.4	2877.5	3221.5	3654.7	4087.8	4196.6	4305.5	3730.0	4305.5
384.3	87.5°	601.4	818.6	1010.5	1202.5	1419.1	1635.7	1645.0	1654.1	1388.7	1654.1
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):

325°		330°	335°	340°	345°	350°	355°	360°
4657.6	0°	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6	4657.6
5141.0	2.5°	5133.0	5116.9	5100.8	5073.8	5046.8	5027.7	5008.7
5743.5	5°	5721.9	5686.1	5650.4	5584.4	5518.6	5452.2	5385.9
6323.1	7.5°	6291.5	6233.0	6174.6	6077.5	5980.5	5872.7	5764.8
6706.4	10°	6675.7	6607.1	6538.1	6424.2	6310.4	6182.8	6055.2
6831.9	12.5°	6815.1	6765.1	6715.0	6612.4	6509.5	6371.3	6233.0
6694.7	15°	6712.5	6710.7	6709.0	6644.3	6579.7	6460.5	6341.1
6354.4	17.5°	6420.7	6493.1	6565.4	6564.4	6563.1	6482.5	6401.9
5919.5	20°	6035.9	6195.7	6355.4	6440.3	6525.2	6497.0	6468.9
5505.8	22.5°	5651.3	5886.3	6121.3	6297.2	6473.0	6509.9	6546.7
5156.6	25°	5309.5	5595.0	5880.4	6147.4	6414.4	6530.6	6646.8
4876.7	27.5°	5027.2	5343.5	5659.8	6013.4	6367.1	6574.9	6782.6
4677.0	30°	4816.6	5146.2	5475.8	5911.1	6346.5	6656.0	6965.8
4619.8	32.5°	4729.4	5039.1	5348.9	5841.4	6334.0	6757.9	7182.0
4924.7	35°	4950.3	5165.3	5380.5	5893.6	6406.9	6925.7	7444.8
5822.1	37.5°	5705.2	5719.2	5733.1	6199.6	6666.1	7276.6	7887.1
7307.7	40°	7023.5	6778.7	6533.8	6880.7	7227.6	7891.6	8555.5
9309.7	42.5°	8792.9	8258.8	7724.8	7924.6	8124.4	8783.2	9442.0
11737.2	45°	10887.9	10032.2	9176.6	9264.9	9353.0	9944.9	10536.7
14430.0	47.5°	13186.6	11952.7	10718.5	10736.3	10754.2	11330.0	11905.7
17106.6	50°	15465.4	13874.7	12284.1	12281.0	12278.0	12989.0	13700.1
19694.3	52.5°	17663.7	15763.7	13863.6	13950.9	14037.9	14898.8	15759.9
22222.6	55°	19801.8	17687.3	15572.6	15912.0	16251.4	17102.1	17952.9
24671.8	57.5°	21929.8	19794.6	17659.4	18340.0	19020.7	19484.2	19947.4
27878.5	60°	24942.8	22922.1	20901.4	21746.8	22592.2	21872.5	21152.9
30777.7	62.5°	27984.6	26133.4	24282.4	24377.8	24473.1	22506.9	20540.8
31149.7	65°	28441.3	26088.7	23736.4	23371.4	23006.3	21161.0	19315.6
29148.3	67.5°	26428.3	23977.5	21526.4	21355.4	21184.2	19429.1	17674.0
26397.4	70°	24056.6	21864.9	19673.1	19596.4	19519.9	17610.8	15701.8
23025.8	72.5°	21272.7	19557.8	17842.9	17788.1	17733.0	15542.2	13351.6
19222.7	75°	17988.6	16654.4	15320.2	15116.7	14913.1	12645.8	10378.5
15134.7	77.5°	14259.5	13245.3	12231.0	11939.7	11648.4	9531.7	7415.3
11129.9	80°	10670.2	9904.5	9138.5	8776.4	8414.3	6633.9	4853.3
7311.3	82.5°	7119.5	6592.2	6065.0	5660.4	5255.9	4038.5	2821.2
4196.6	85°	4087.8	3654.7	3221.5	2877.5	2533.4	1887.3	1241.2
1645.0	87.5°	1635.7	1419.1	1202.5	1010.5	818.6	601.4	384.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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