

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: P950615

Luminaire Tested: **GALN-SB5A-735-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950615  
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-SB5A-735-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

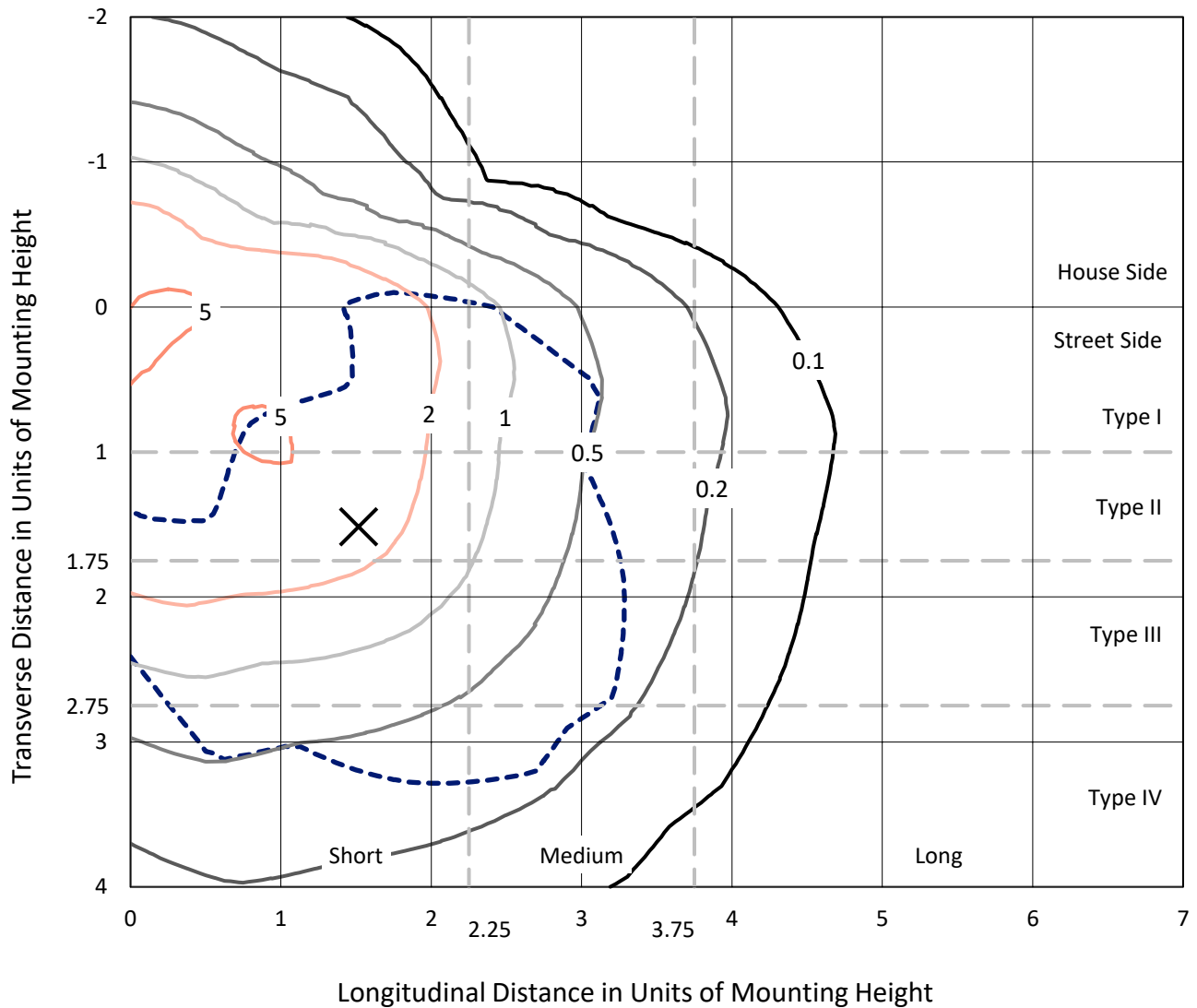
Lumens per Lamp: N/A  
Luminaire Lumens: 22578 lumens  
Efficiency: N/A  
Efficacy: 159.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

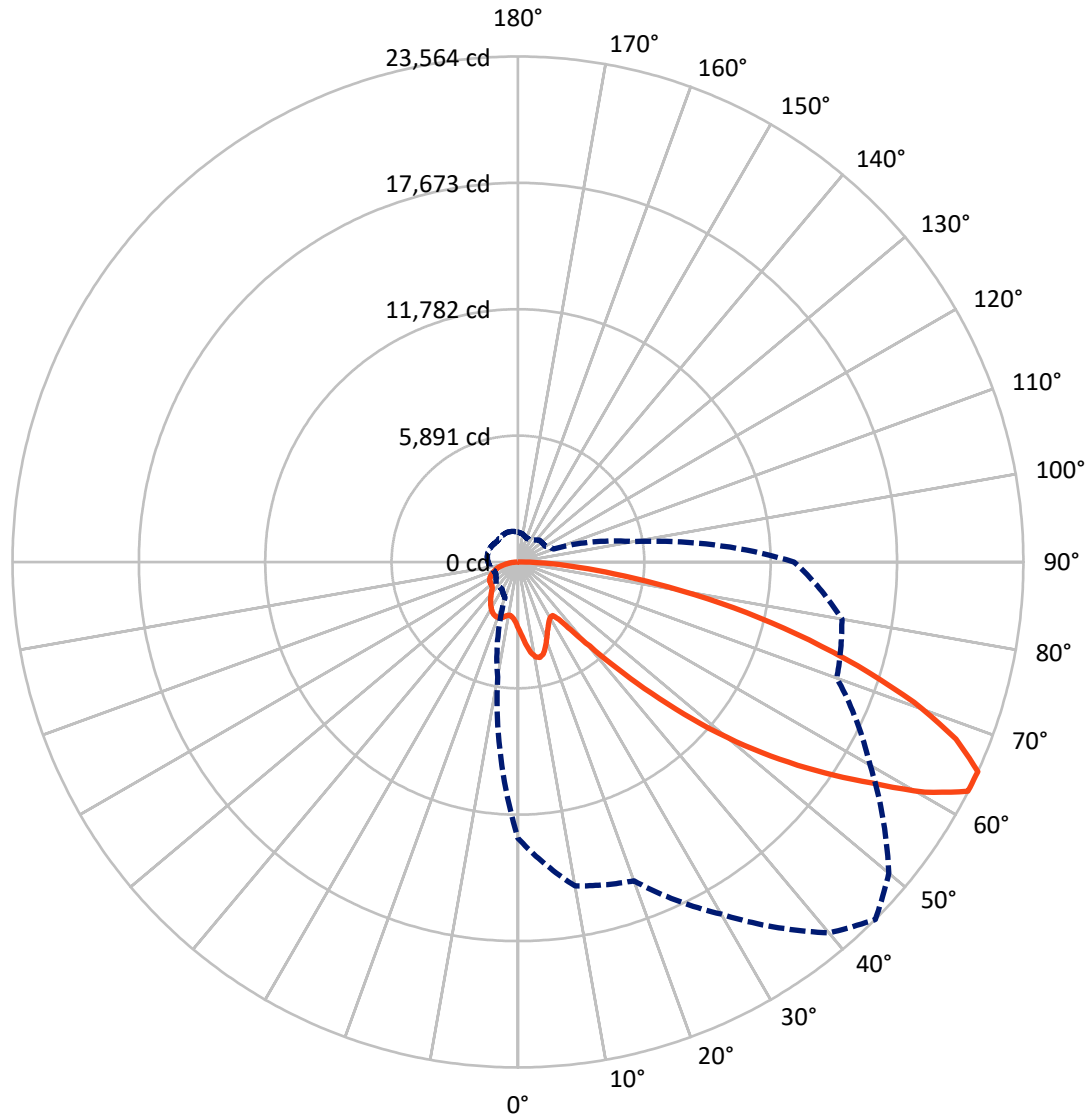
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5738.2	0.0	5738.2
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	16839.8	0.0	16839.8
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	22578.0	0.0	22578.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	308.0	1.4
10°-20°	966.8	4.3
20°-30°	1493.4	6.6
30°-40°	1892.5	8.4
40°-50°	2854.4	12.6
50°-60°	4611.7	20.4
60°-70°	5749.2	25.5
70°-80°	3770.0	16.7
80°-90°	932.0	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22578.0	100.0
0°-180°	22578.0	100.0

**Coefficient of Utilization**



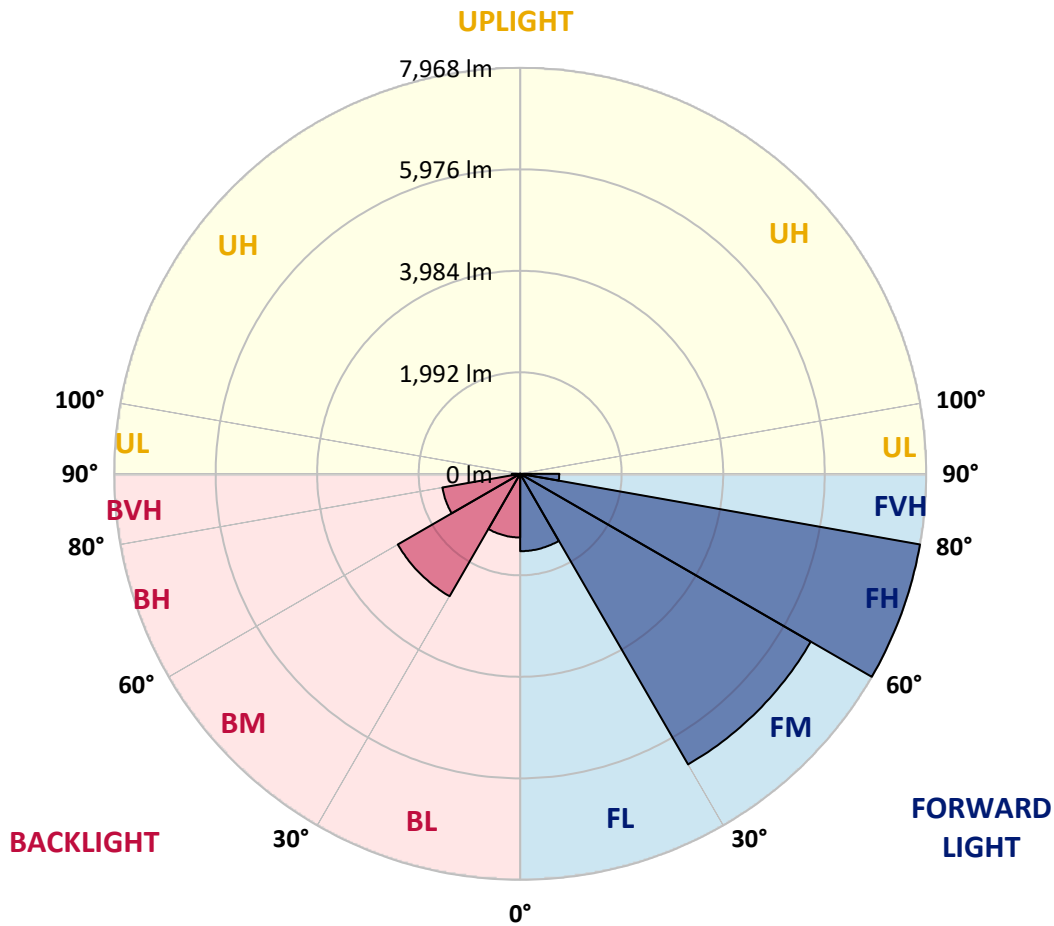
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1518.6	6.7			
FM (30°-60°)	6585.5	29.2			
FH (60°-80°)	7967.9	35.3			G4/12000
FVH (80°-90°)	767.8	3.4			G5
BL (0°-30°)	1249.6	5.5	B3/2500		
BM (30°-60°)	2773.0	12.3	B3/5000		
BH (60°-80°)	1551.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	164.2	0.7			G2/225
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°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
2.5°	3338.8	3351.4	3364.1	3382.1	3400.1	3410.8	3421.6	3426.9	3432.3	3429.9
5°	3590.1	3634.3	3678.7	3722.5	3766.5	3790.3	3814.1	3828.5	3843.1	3854.0
7.5°	3842.7	3914.7	3986.5	4051.2	4115.9	4154.8	4193.8	4214.9	4235.9	4246.0
10°	4036.3	4121.4	4206.4	4282.3	4358.2	4404.2	4449.9	4470.4	4490.8	4498.6
12.5°	4154.8	4247.1	4339.2	4407.8	4476.2	4509.5	4542.9	4554.1	4565.3	4566.5
15°	4226.9	4306.5	4386.0	4429.0	4472.1	4473.3	4474.5	4462.6	4450.7	4436.6
17.5°	4267.4	4321.2	4374.9	4375.7	4376.4	4328.2	4279.9	4235.7	4191.4	4160.2
20°	4312.1	4330.8	4349.6	4293.0	4236.5	4129.9	4023.4	3945.9	3868.3	3820.7
22.5°	4363.9	4339.4	4314.8	4197.6	4080.4	3923.7	3767.1	3670.1	3573.1	3520.5
25°	4430.6	4353.2	4275.8	4097.8	3919.8	3729.5	3539.3	3437.3	3335.6	3285.8
27.5°	4521.2	4382.8	4244.2	4008.4	3772.8	3561.9	3351.0	3250.7	3150.5	3103.5
30°	4643.3	4436.8	4230.5	3940.3	3650.1	3430.4	3210.7	3117.7	3024.6	2980.8
32.5°	4787.5	4504.7	4222.2	3893.8	3565.5	3359.0	3152.6	3079.5	3006.4	2974.8
35°	4962.6	4616.6	4270.8	3928.6	3586.6	3443.1	3299.8	3282.8	3265.7	3263.1
37.5°	5257.4	4850.5	4443.5	4132.6	3821.6	3812.3	3803.0	3881.0	3958.9	3999.4
40°	5703.0	5260.4	4817.8	4586.6	4355.4	4518.6	4681.8	4871.2	5060.6	5155.0
42.5°	6293.9	5854.8	5415.7	5282.5	5149.3	5505.2	5861.2	6205.8	6550.3	6752.6
45°	7023.6	6629.2	6234.6	6175.9	6117.0	6687.3	7257.7	7823.9	8390.1	8733.8
47.5°	7936.2	7552.5	7168.6	7156.7	7144.8	7967.5	8790.1	9618.9	10447.6	10934.3
50°	9132.3	8658.3	8184.4	8186.4	8188.4	9248.7	10309.0	11403.0	12497.1	13158.5
52.5°	10505.4	9931.4	9357.5	9299.5	9241.3	10507.9	11774.4	13128.0	14481.5	15274.4
55°	11967.2	11400.1	10833.0	10606.7	10380.5	11790.1	13199.6	14813.3	16427.0	17369.9
57.5°	13296.7	12987.9	12679.0	12225.2	11771.5	13194.8	14618.2	16445.9	18273.6	19442.9
60°	14100.3	14579.9	15059.7	14496.2	13932.7	15279.6	16626.5	18583.5	20540.4	21804.2
62.5°	13692.2	15002.8	16313.5	16250.0	16186.3	17420.2	18654.2	20516.1	22377.8	23545.9
65°	12875.6	14105.6	15335.7	15579.1	15822.4	17390.4	18958.6	20764.0	22569.3	23563.8
67.5°	11781.3	12951.2	14121.1	14235.3	14349.3	15983.1	17616.8	19429.9	21243.0	22022.2
70°	10466.6	11739.1	13011.7	13062.7	13113.8	14574.9	16035.9	17596.2	19156.4	19589.4
72.5°	8900.0	10360.3	11820.6	11857.3	11893.9	13037.0	14180.1	15348.7	16517.2	16561.0
75°	6918.2	8429.5	9940.9	10076.6	10212.3	11101.6	11991.0	12813.6	13636.2	13415.8
77.5°	4942.9	6353.7	7764.7	7958.8	8153.0	8829.1	9505.2	10088.6	10672.2	10293.3
80°	3235.1	4422.1	5608.9	5850.3	6091.6	6602.2	7112.6	7419.0	7725.3	7116.0
82.5°	1880.6	2692.0	3503.5	3773.1	4042.9	4394.3	4745.8	4873.6	5001.3	4522.4
85°	827.4	1258.1	1688.7	1918.1	2147.4	2436.2	2724.9	2797.4	2870.0	2486.4
87.5°	256.1	400.9	545.6	673.6	801.5	945.9	1090.3	1096.5	1102.6	925.7
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°
3104.7	0°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
3432.3	2.5°	3426.9	3421.6	3410.8	3400.1	3382.1	3364.1	3351.4	3338.8	3313.2	3287.5
3843.1	5°	3828.5	3814.1	3790.3	3766.5	3722.5	3678.7	3634.3	3590.1	3533.6	3477.0
4235.9	7.5°	4214.9	4193.8	4154.8	4115.9	4051.2	3986.5	3914.7	3842.7	3749.3	3656.0
4490.8	10°	4470.4	4449.9	4404.2	4358.2	4282.3	4206.4	4121.4	4036.3	3918.2	3800.2
4565.3	12.5°	4554.1	4542.9	4509.5	4476.2	4407.8	4339.2	4247.1	4154.8	4025.1	3895.5
4450.7	15°	4462.6	4474.5	4473.3	4472.1	4429.0	4386.0	4306.5	4226.9	4091.7	3956.5
4191.4	17.5°	4235.7	4279.9	4328.2	4376.4	4375.7	4374.9	4321.2	4267.4	4130.3	3993.2
3868.3	20°	3945.9	4023.4	4129.9	4236.5	4293.0	4349.6	4330.8	4312.1	4169.6	4027.0
3573.1	22.5°	3670.1	3767.1	3923.7	4080.4	4197.6	4314.8	4339.4	4363.9	4218.3	4072.6
3335.6	25°	3437.3	3539.3	3729.5	3919.8	4097.8	4275.8	4353.2	4430.6	4287.9	4145.3
3150.5	27.5°	3250.7	3351.0	3561.9	3772.8	4008.4	4244.2	4382.8	4521.2	4385.1	4249.0
3024.6	30°	3117.7	3210.7	3430.4	3650.1	3940.3	4230.5	4436.8	4643.3	4511.8	4380.4
3006.4	32.5°	3079.5	3152.6	3359.0	3565.5	3893.8	4222.2	4504.7	4787.5	4657.2	4527.1
3265.7	35°	3282.8	3299.8	3443.1	3586.6	3928.6	4270.8	4616.6	4962.6	4838.0	4713.2
3958.9	37.5°	3881.0	3803.0	3812.3	3821.6	4132.6	4443.5	4850.5	5257.4	5098.5	4939.6
5060.6	40°	4871.2	4681.8	4518.6	4355.4	4586.6	4817.8	5260.4	5703.0	5471.4	5239.8
6550.3	42.5°	6205.8	5861.2	5505.2	5149.3	5282.5	5415.7	5854.8	6293.9	5959.6	5625.3
8390.1	45°	7823.9	7257.7	6687.3	6117.0	6175.9	6234.6	6629.2	7023.6	6572.7	6121.8
10447.6	47.5°	9618.9	8790.1	7967.5	7144.8	7156.7	7168.6	7552.5	7936.2	7301.6	6666.8
12497.1	50°	11403.0	10309.0	9248.7	8188.4	8186.4	8184.4	8658.3	9132.3	8175.6	7218.7
14481.5	52.5°	13128.0	11774.4	10507.9	9241.3	9299.5	9357.5	9931.4	10505.4	9093.6	7681.9
16427.0	55°	14813.3	13199.6	11790.1	10380.5	10606.7	10833.0	11400.1	11967.2	9907.5	7848.0
18273.6	57.5°	16445.9	14618.2	13194.8	11771.5	12225.2	12679.0	12987.9	13296.7	10484.4	7672.1
20540.4	60°	18583.5	16626.5	15279.6	13932.7	14496.2	15059.7	14579.9	14100.3	10628.5	7156.7
22377.8	62.5°	20516.1	18654.2	17420.2	16186.3	16250.0	16313.5	15002.8	13692.2	10021.6	6350.9
22569.3	65°	20764.0	18958.6	17390.4	15822.4	15579.1	15335.7	14105.6	12875.6	9162.7	5449.9
21243.0	67.5°	19429.9	17616.8	15983.1	14349.3	14235.3	14121.1	12951.2	11781.3	8140.6	4500.0
19156.4	70°	17596.2	16035.9	14574.9	13113.8	13062.7	13011.7	11739.1	10466.6	7025.4	3584.2
16517.2	72.5°	15348.7	14180.1	13037.0	11893.9	11857.3	11820.6	10360.3	8900.0	5816.4	2733.0
13636.2	75°	12813.6	11991.0	11101.6	10212.3	10076.6	9940.9	8429.5	6918.2	4430.5	1942.9
10672.2	77.5°	10088.6	9505.2	8829.1	8153.0	7958.8	7764.7	6353.7	4942.9	3101.0	1259.0
7725.3	80°	7419.0	7112.6	6602.2	6091.6	5850.3	5608.9	4422.1	3235.1	1997.9	760.7
5001.3	82.5°	4873.6	4745.8	4394.3	4042.9	3773.1	3503.5	2692.0	1880.6	1156.3	432.2
2870.0	85°	2797.4	2724.9	2436.2	2147.4	1918.1	1688.7	1258.1	827.4	520.1	213.0
1102.6	87.5°	1096.5	1090.3	945.9	801.5	673.6	545.6	400.9	256.1	170.4	84.6
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
3104.7	0°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
3260.3	2.5°	3233.1	3205.7	3178.3	3152.1	3125.9	3100.5	3072.3	3049.4	3026.6	3006.0
3420.5	5°	3364.1	3307.3	3250.6	3197.6	3144.6	3094.5	3045.1	3002.0	2958.7	2922.5
3569.8	7.5°	3483.5	3399.5	3315.5	3241.6	3167.6	3099.3	3035.3	2977.9	2920.6	2873.0
3686.2	10°	3572.3	3470.3	3368.2	3280.8	3193.1	3108.8	3040.1	2979.6	2919.1	2871.4
3766.3	12.5°	3637.2	3516.9	3396.6	3297.5	3198.5	3110.0	3046.1	2996.5	2947.2	2915.5
3816.4	15°	3676.3	3537.7	3399.2	3284.6	3170.0	3071.9	3020.7	2997.0	2973.4	2977.7
3840.3	17.5°	3687.5	3526.6	3365.8	3228.0	3090.1	2974.8	2943.2	2951.9	2960.5	3012.5
3859.0	20°	3691.1	3496.1	3301.2	3130.4	2959.6	2825.3	2817.0	2857.5	2898.0	2988.2
3884.3	22.5°	3695.8	3458.7	3221.7	3015.9	2810.2	2657.3	2673.6	2733.6	2793.5	2896.4
3930.0	25°	3714.6	3421.8	3129.1	2888.1	2647.2	2490.5	2534.6	2603.7	2672.8	2765.4
4001.5	27.5°	3754.0	3397.1	3040.3	2771.2	2502.1	2359.5	2413.1	2479.8	2546.5	2622.6
4094.1	30°	3807.8	3385.6	2963.1	2673.5	2383.9	2264.2	2306.2	2359.1	2412.3	2475.4
4190.7	32.5°	3854.3	3371.3	2888.1	2589.3	2290.4	2193.9	2212.6	2243.9	2275.2	2325.6
4300.8	35°	3888.3	3344.4	2800.6	2506.5	2212.3	2131.9	2124.2	2132.8	2141.5	2179.9
4424.1	37.5°	3908.6	3298.3	2687.9	2409.0	2130.1	2059.9	2031.5	2022.0	2012.4	2040.1
4580.6	40°	3921.3	3234.8	2548.3	2292.8	2037.2	1973.5	1930.0	1908.4	1886.9	1906.8
4785.4	42.5°	3945.5	3169.2	2393.2	2164.5	1935.7	1877.0	1822.2	1793.6	1765.0	1781.2
5054.9	45°	3988.1	3108.4	2228.8	2028.2	1827.5	1768.0	1715.0	1687.1	1659.3	1672.9
5342.0	47.5°	4017.2	3058.1	2098.9	1920.3	1741.8	1664.9	1619.3	1595.9	1572.6	1585.5
5608.4	50°	3998.2	3003.3	2008.4	1848.7	1689.1	1588.1	1535.1	1514.3	1493.7	1513.7
5781.4	52.5°	3880.8	2910.7	1940.7	1801.6	1662.5	1546.4	1472.3	1451.8	1431.4	1461.6
5743.3	55°	3638.4	2757.3	1876.1	1767.4	1658.6	1550.5	1438.9	1406.5	1374.2	1417.0
5475.0	57.5°	3278.0	2540.9	1803.7	1726.9	1650.0	1554.7	1418.9	1371.7	1324.5	1370.5
4975.7	60°	2794.7	2260.0	1725.3	1664.9	1604.5	1541.6	1400.1	1339.0	1277.7	1318.1
4300.6	62.5°	2250.2	1923.8	1597.4	1557.2	1517.2	1509.4	1378.2	1301.7	1225.3	1250.9
3611.7	65°	1773.7	1621.3	1468.9	1450.0	1431.1	1432.0	1331.9	1250.7	1169.3	1179.2
2936.9	67.5°	1373.9	1330.6	1287.3	1297.9	1308.3	1305.7	1249.5	1181.8	1114.2	1111.1
2312.4	70°	1040.6	1053.0	1065.3	1114.4	1163.4	1163.4	1144.9	1096.8	1048.6	1037.9
1767.9	72.5°	802.7	840.0	877.4	947.0	1016.5	1028.1	1028.4	995.4	962.4	946.7
1283.1	75°	623.3	657.2	691.0	768.9	846.8	900.7	896.1	870.8	845.3	830.3
869.5	77.5°	479.9	502.9	526.0	601.6	677.3	766.0	763.7	743.3	722.9	707.7
560.2	80°	359.8	369.3	378.9	442.9	506.9	613.0	612.6	595.6	578.4	565.7
344.5	82.5°	257.1	258.8	260.7	307.8	355.0	445.6	450.6	442.2	433.9	424.8
184.2	85°	155.5	154.6	153.7	188.2	222.8	290.1	296.6	287.7	278.8	268.7
76.4	87.5°	68.1	67.3	66.5	80.5	94.7	122.7	131.0	127.5	123.9	122.0
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):**

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
3104.7	0°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
2985.5	2.5°	2967.5	2949.6	2931.4	2913.5	2899.5	2885.5	2874.1	2862.8	2854.0	2845.2
2886.4	5°	2854.5	2822.6	2793.6	2764.5	2742.3	2719.9	2704.3	2688.6	2677.6	2666.5
2825.3	7.5°	2785.1	2744.9	2709.4	2674.0	2647.4	2621.0	2602.4	2583.8	2571.1	2558.4
2823.7	10°	2780.5	2737.1	2697.2	2657.3	2625.6	2593.8	2573.1	2552.1	2540.1	2528.1
2884.0	12.5°	2850.0	2816.1	2774.8	2733.6	2693.1	2652.6	2625.7	2598.9	2585.5	2572.1
2982.0	15°	2973.1	2964.3	2928.5	2892.6	2834.9	2777.3	2736.5	2695.8	2677.1	2658.5
3064.4	17.5°	3092.0	3119.6	3090.6	3061.8	2985.4	2909.0	2849.0	2789.0	2761.3	2733.6
3078.5	20°	3136.2	3194.0	3180.7	3167.2	3079.9	2992.7	2919.1	2845.5	2810.2	2774.7
2999.6	22.5°	3074.8	3149.9	3158.0	3166.0	3082.6	2999.2	2923.5	2847.6	2810.3	2772.9
2858.1	25°	2932.0	3006.0	3033.7	3061.2	2992.8	2924.5	2857.1	2789.9	2757.5	2725.2
2698.7	27.5°	2758.0	2817.3	2848.1	2878.9	2830.2	2781.6	2729.3	2677.0	2655.3	2633.5
2538.5	30°	2587.7	2637.1	2662.1	2687.1	2650.0	2612.9	2575.5	2537.8	2526.7	2515.5
2376.2	32.5°	2423.3	2470.6	2498.4	2526.3	2492.2	2458.0	2428.1	2398.2	2390.9	2383.7
2218.3	35°	2265.0	2311.8	2345.2	2378.5	2354.2	2330.1	2302.4	2274.9	2263.8	2252.9
2067.6	37.5°	2114.2	2160.9	2202.1	2243.3	2232.1	2220.9	2195.5	2170.1	2149.9	2129.9
1926.7	40°	1971.7	2016.7	2064.1	2111.7	2114.4	2117.0	2095.5	2073.9	2044.6	2015.5
1797.5	42.5°	1840.2	1882.9	1934.2	1985.4	1999.1	2012.8	1994.6	1976.5	1940.1	1903.8
1686.7	45°	1727.2	1767.7	1820.9	1874.0	1893.7	1913.3	1896.9	1880.6	1839.0	1797.5
1598.2	47.5°	1637.9	1677.4	1729.8	1782.3	1804.9	1827.5	1816.1	1804.7	1767.7	1730.8
1533.9	50°	1571.3	1608.6	1655.5	1702.4	1731.5	1760.6	1759.9	1759.4	1729.8	1700.3
1491.6	52.5°	1525.9	1560.1	1603.8	1647.6	1682.1	1716.5	1722.7	1728.9	1704.8	1680.8
1459.6	55°	1496.6	1533.5	1571.9	1610.1	1646.6	1683.1	1691.7	1700.3	1679.3	1658.4
1416.5	57.5°	1459.9	1503.3	1541.1	1579.1	1616.0	1652.6	1661.3	1670.0	1648.8	1627.6
1358.4	60°	1408.2	1458.0	1496.5	1535.1	1572.0	1608.9	1618.5	1628.0	1607.3	1586.6
1276.5	62.5°	1334.6	1392.7	1433.8	1474.9	1508.7	1542.6	1551.7	1560.9	1542.2	1523.5
1189.0	65°	1251.2	1313.5	1352.8	1392.1	1421.9	1451.7	1461.1	1470.4	1452.4	1434.4
1108.0	67.5°	1165.4	1222.9	1260.2	1297.4	1323.1	1348.9	1358.0	1367.1	1350.5	1334.1
1027.2	70°	1077.7	1128.2	1160.4	1192.5	1215.8	1239.0	1247.8	1256.6	1243.2	1229.7
931.0	72.5°	970.8	1010.5	1039.6	1068.6	1091.4	1114.2	1124.6	1135.1	1123.9	1112.7
815.1	75°	844.7	874.2	900.5	926.9	947.6	968.3	979.3	990.3	984.8	979.3
692.4	77.5°	716.5	740.4	763.1	785.7	807.5	829.2	839.4	849.7	842.0	834.2
552.8	80°	572.8	592.7	611.8	630.8	647.4	663.8	677.4	691.0	687.6	684.4
415.8	82.5°	414.1	412.4	405.8	399.1	434.4	469.6	492.7	515.9	514.4	512.9
258.5	85°	249.9	241.2	222.8	204.3	237.3	270.4	299.0	327.6	325.2	322.9
120.1	87.5°	119.7	119.4	105.3	91.1	105.0	118.9	130.5	142.0	139.2	136.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
3104.7	0°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
2837.1	2.5°	2828.9	2818.7	2828.9	2837.1	2845.2	2854.0	2862.8	2874.1	2885.5	2899.5
2658.0	5°	2649.6	2641.2	2649.6	2658.0	2666.5	2677.6	2688.6	2704.3	2719.9	2742.3
2550.8	7.5°	2543.3	2537.6	2543.3	2550.8	2558.4	2571.1	2583.8	2602.4	2621.0	2647.4
2521.6	10°	2515.2	2512.6	2515.2	2521.6	2528.1	2540.1	2552.1	2573.1	2593.8	2625.6
2566.7	12.5°	2561.2	2560.2	2561.2	2566.7	2572.1	2585.5	2598.9	2625.7	2652.6	2693.1
2651.4	15°	2644.2	2643.6	2644.2	2651.4	2658.5	2677.1	2695.8	2736.5	2777.3	2834.9
2724.5	17.5°	2715.3	2713.9	2715.3	2724.5	2733.6	2761.3	2789.0	2849.0	2909.0	2985.4
2763.3	20°	2752.0	2748.5	2752.0	2763.3	2774.7	2810.2	2845.5	2919.1	2992.7	3079.9
2760.4	22.5°	2747.9	2742.5	2747.9	2760.4	2772.9	2810.3	2847.6	2923.5	2999.2	3082.6
2713.4	25°	2701.8	2694.8	2701.8	2713.4	2725.2	2757.5	2789.9	2857.1	2924.5	2992.8
2628.1	27.5°	2622.8	2621.0	2622.8	2628.1	2633.5	2655.3	2677.0	2729.3	2781.6	2830.2
2515.5	30°	2515.5	2517.3	2515.5	2515.5	2515.5	2526.7	2537.8	2575.5	2612.9	2650.0
2384.6	32.5°	2385.7	2387.5	2385.7	2384.6	2383.7	2390.9	2398.2	2428.1	2458.0	2492.2
2250.5	35°	2248.1	2246.9	2248.1	2250.5	2252.9	2263.8	2274.9	2302.4	2330.1	2354.2
2119.3	37.5°	2108.7	2102.7	2108.7	2119.3	2129.9	2149.9	2170.1	2195.5	2220.9	2232.1
1995.8	40°	1976.2	1964.5	1976.2	1995.8	2015.5	2044.6	2073.9	2095.5	2117.0	2114.4
1875.1	42.5°	1846.4	1827.5	1846.4	1875.1	1903.8	1940.1	1976.5	1994.6	2012.8	1999.1
1763.8	45°	1730.1	1708.4	1730.1	1763.8	1797.5	1839.0	1880.6	1896.9	1913.3	1893.7
1699.6	47.5°	1668.5	1647.6	1668.5	1699.6	1730.8	1767.7	1804.7	1816.1	1827.5	1804.9
1671.5	50°	1642.6	1622.6	1642.6	1671.5	1700.3	1729.8	1759.4	1759.9	1760.6	1731.5
1654.9	52.5°	1629.2	1610.7	1629.2	1654.9	1680.8	1704.8	1728.9	1722.7	1716.5	1682.1
1635.7	55°	1613.1	1596.4	1613.1	1635.7	1658.4	1679.3	1700.3	1691.7	1683.1	1646.6
1605.2	57.5°	1582.7	1565.4	1582.7	1605.2	1627.6	1648.8	1670.0	1661.3	1652.6	1616.0
1563.5	60°	1540.4	1522.6	1540.4	1563.5	1586.6	1607.3	1628.0	1618.5	1608.9	1572.0
1499.2	62.5°	1474.9	1453.5	1474.9	1499.2	1523.5	1542.2	1560.9	1551.7	1542.6	1508.7
1410.8	65°	1387.3	1368.9	1387.3	1410.8	1434.4	1452.4	1470.4	1461.1	1451.7	1421.9
1312.2	67.5°	1290.2	1273.6	1290.2	1312.2	1334.1	1350.5	1367.1	1358.0	1348.9	1323.1
1208.7	70°	1187.8	1168.7	1187.8	1208.7	1229.7	1243.2	1256.6	1247.8	1239.0	1215.8
1092.7	72.5°	1072.8	1054.3	1072.8	1092.7	1112.7	1123.9	1135.1	1124.6	1114.2	1091.4
962.5	75°	945.7	928.1	945.7	962.5	979.3	984.8	990.3	979.3	968.3	947.6
817.3	77.5°	800.4	786.3	800.4	817.3	834.2	842.0	849.7	839.4	829.2	807.5
661.7	80°	638.8	612.4	638.8	661.7	684.4	687.6	691.0	677.4	663.8	647.4
493.7	82.5°	474.4	457.5	474.4	493.7	512.9	514.4	515.9	492.7	469.6	434.4
307.8	85°	292.8	277.6	292.8	307.8	322.9	325.2	327.6	299.0	270.4	237.3
128.4	87.5°	120.6	113.2	120.6	128.4	136.1	139.2	142.0	130.5	118.9	105.0
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°
3104.7	0°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
2913.5	2.5°	2931.4	2949.6	2967.5	2985.5	3006.0	3026.6	3049.4	3072.3	3100.5	3125.9
2764.5	5°	2793.6	2822.6	2854.5	2886.4	2922.5	2958.7	3002.0	3045.1	3094.5	3144.6
2674.0	7.5°	2709.4	2744.9	2785.1	2825.3	2873.0	2920.6	2977.9	3035.3	3099.3	3167.6
2657.3	10°	2697.2	2737.1	2780.5	2823.7	2871.4	2919.1	2979.6	3040.1	3108.8	3193.1
2733.6	12.5°	2774.8	2816.1	2850.0	2884.0	2915.5	2947.2	2996.5	3046.1	3110.0	3198.5
2892.6	15°	2928.5	2964.3	2973.1	2982.0	2977.7	2973.4	2997.0	3020.7	3071.9	3170.0
3061.8	17.5°	3090.6	3119.6	3092.0	3064.4	3012.5	2960.5	2951.9	2943.2	2974.8	3090.1
3167.2	20°	3180.7	3194.0	3136.2	3078.5	2988.2	2898.0	2857.5	2817.0	2825.3	2959.6
3166.0	22.5°	3158.0	3149.9	3074.8	2999.6	2896.4	2793.5	2733.6	2673.6	2657.3	2810.2
3061.2	25°	3033.7	3006.0	2932.0	2858.1	2765.4	2672.8	2603.7	2534.6	2490.5	2647.2
2878.9	27.5°	2848.1	2817.3	2758.0	2698.7	2622.6	2546.5	2479.8	2413.1	2359.5	2502.1
2687.1	30°	2662.1	2637.1	2587.7	2538.5	2475.4	2412.3	2359.1	2306.2	2264.2	2383.9
2526.3	32.5°	2498.4	2470.6	2423.3	2376.2	2325.6	2275.2	2243.9	2212.6	2193.9	2290.4
2378.5	35°	2345.2	2311.8	2265.0	2218.3	2179.9	2141.5	2132.8	2124.2	2131.9	2212.3
2243.3	37.5°	2202.1	2160.9	2114.2	2067.6	2040.1	2012.4	2022.0	2031.5	2059.9	2130.1
2111.7	40°	2064.1	2016.7	1971.7	1926.7	1906.8	1886.9	1908.4	1930.0	1973.5	2037.2
1985.4	42.5°	1934.2	1882.9	1840.2	1797.5	1781.2	1765.0	1793.6	1822.2	1877.0	1935.7
1874.0	45°	1820.9	1767.7	1727.2	1686.7	1672.9	1659.3	1687.1	1715.0	1768.0	1827.5
1782.3	47.5°	1729.8	1677.4	1637.9	1598.2	1585.5	1572.6	1595.9	1619.3	1664.9	1741.8
1702.4	50°	1655.5	1608.6	1571.3	1533.9	1513.7	1493.7	1514.3	1535.1	1588.1	1689.1
1647.6	52.5°	1603.8	1560.1	1525.9	1491.6	1461.6	1431.4	1451.8	1472.3	1546.4	1662.5
1610.1	55°	1571.9	1533.5	1496.6	1459.6	1417.0	1374.2	1406.5	1438.9	1550.5	1658.6
1579.1	57.5°	1541.1	1503.3	1459.9	1416.5	1370.5	1324.5	1371.7	1418.9	1554.7	1650.0
1535.1	60°	1496.5	1458.0	1408.2	1358.4	1318.1	1277.7	1339.0	1400.1	1541.6	1604.5
1474.9	62.5°	1433.8	1392.7	1334.6	1276.5	1250.9	1225.3	1301.7	1378.2	1509.4	1517.2
1392.1	65°	1352.8	1313.5	1251.2	1189.0	1179.2	1169.3	1250.7	1331.9	1432.0	1431.1
1297.4	67.5°	1260.2	1222.9	1165.4	1108.0	1111.1	1114.2	1181.8	1249.5	1305.7	1308.3
1192.5	70°	1160.4	1128.2	1077.7	1027.2	1037.9	1048.6	1096.8	1144.9	1163.4	1163.4
1068.6	72.5°	1039.6	1010.5	970.8	931.0	946.7	962.4	995.4	1028.4	1028.1	1016.5
926.9	75°	900.5	874.2	844.7	815.1	830.3	845.3	870.8	896.1	900.7	846.8
785.7	77.5°	763.1	740.4	716.5	692.4	707.7	722.9	743.3	763.7	766.0	677.3
630.8	80°	611.8	592.7	572.8	552.8	565.7	578.4	595.6	612.6	613.0	506.9
399.1	82.5°	405.8	412.4	414.1	415.8	424.8	433.9	442.2	450.6	445.6	355.0
204.3	85°	222.8	241.2	249.9	258.5	268.7	278.8	287.7	296.6	290.1	222.8
91.1	87.5°	105.3	119.4	119.7	120.1	122.0	123.9	127.5	131.0	122.7	94.7
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):**

325°		330°	335°	340°	345°	350°	355°	360°
3104.7	0°	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7	3104.7
3152.1	2.5°	3178.3	3205.7	3233.1	3260.3	3287.5	3313.2	3338.8
3197.6	5°	3250.6	3307.3	3364.1	3420.5	3477.0	3533.6	3590.1
3241.6	7.5°	3315.5	3399.5	3483.5	3569.8	3656.0	3749.3	3842.7
3280.8	10°	3368.2	3470.3	3572.3	3686.2	3800.2	3918.2	4036.3
3297.5	12.5°	3396.6	3516.9	3637.2	3766.3	3895.5	4025.1	4154.8
3284.6	15°	3399.2	3537.7	3676.3	3816.4	3956.5	4091.7	4226.9
3228.0	17.5°	3365.8	3526.6	3687.5	3840.3	3993.2	4130.3	4267.4
3130.4	20°	3301.2	3496.1	3691.1	3859.0	4027.0	4169.6	4312.1
3015.9	22.5°	3221.7	3458.7	3695.8	3884.3	4072.6	4218.3	4363.9
2888.1	25°	3129.1	3421.8	3714.6	3930.0	4145.3	4287.9	4430.6
2771.2	27.5°	3040.3	3397.1	3754.0	4001.5	4249.0	4385.1	4521.2
2673.5	30°	2963.1	3385.6	3807.8	4094.1	4380.4	4511.8	4643.3
2589.3	32.5°	2888.1	3371.3	3854.3	4190.7	4527.1	4657.2	4787.5
2506.5	35°	2800.6	3344.4	3888.3	4300.8	4713.2	4838.0	4962.6
2409.0	37.5°	2687.9	3298.3	3908.6	4424.1	4939.6	5098.5	5257.4
2292.8	40°	2548.3	3234.8	3921.3	4580.6	5239.8	5471.4	5703.0
2164.5	42.5°	2393.2	3169.2	3945.5	4785.4	5625.3	5959.6	6293.9
2028.2	45°	2228.8	3108.4	3988.1	5054.9	6121.8	6572.7	7023.6
1920.3	47.5°	2098.9	3058.1	4017.2	5342.0	6666.8	7301.6	7936.2
1848.7	50°	2008.4	3003.3	3998.2	5608.4	7218.7	8175.6	9132.3
1801.6	52.5°	1940.7	2910.7	3880.8	5781.4	7681.9	9093.6	10505.4
1767.4	55°	1876.1	2757.3	3638.4	5743.3	7848.0	9907.5	11967.2
1726.9	57.5°	1803.7	2540.9	3278.0	5475.0	7672.1	10484.4	13296.7
1664.9	60°	1725.3	2260.0	2794.7	4975.7	7156.7	10628.5	14100.3
1557.2	62.5°	1597.4	1923.8	2250.2	4300.6	6350.9	10021.6	13692.2
1450.0	65°	1468.9	1621.3	1773.7	3611.7	5449.9	9162.7	12875.6
1297.9	67.5°	1287.3	1330.6	1373.9	2936.9	4500.0	8140.6	11781.3
1114.4	70°	1065.3	1053.0	1040.6	2312.4	3584.2	7025.4	10466.6
947.0	72.5°	877.4	840.0	802.7	1767.9	2733.0	5816.4	8900.0
768.9	75°	691.0	657.2	623.3	1283.1	1942.9	4430.5	6918.2
601.6	77.5°	526.0	502.9	479.9	869.5	1259.0	3101.0	4942.9
442.9	80°	378.9	369.3	359.8	560.2	760.7	1997.9	3235.1
307.8	82.5°	260.7	258.8	257.1	344.5	432.2	1156.3	1880.6
188.2	85°	153.7	154.6	155.5	184.2	213.0	520.1	827.4
80.5	87.5°	66.5	67.3	68.1	76.4	84.6	170.4	256.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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