

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: P950783

Luminaire Tested: **GALN-SB5A-850-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950783  
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-850-U-SLL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

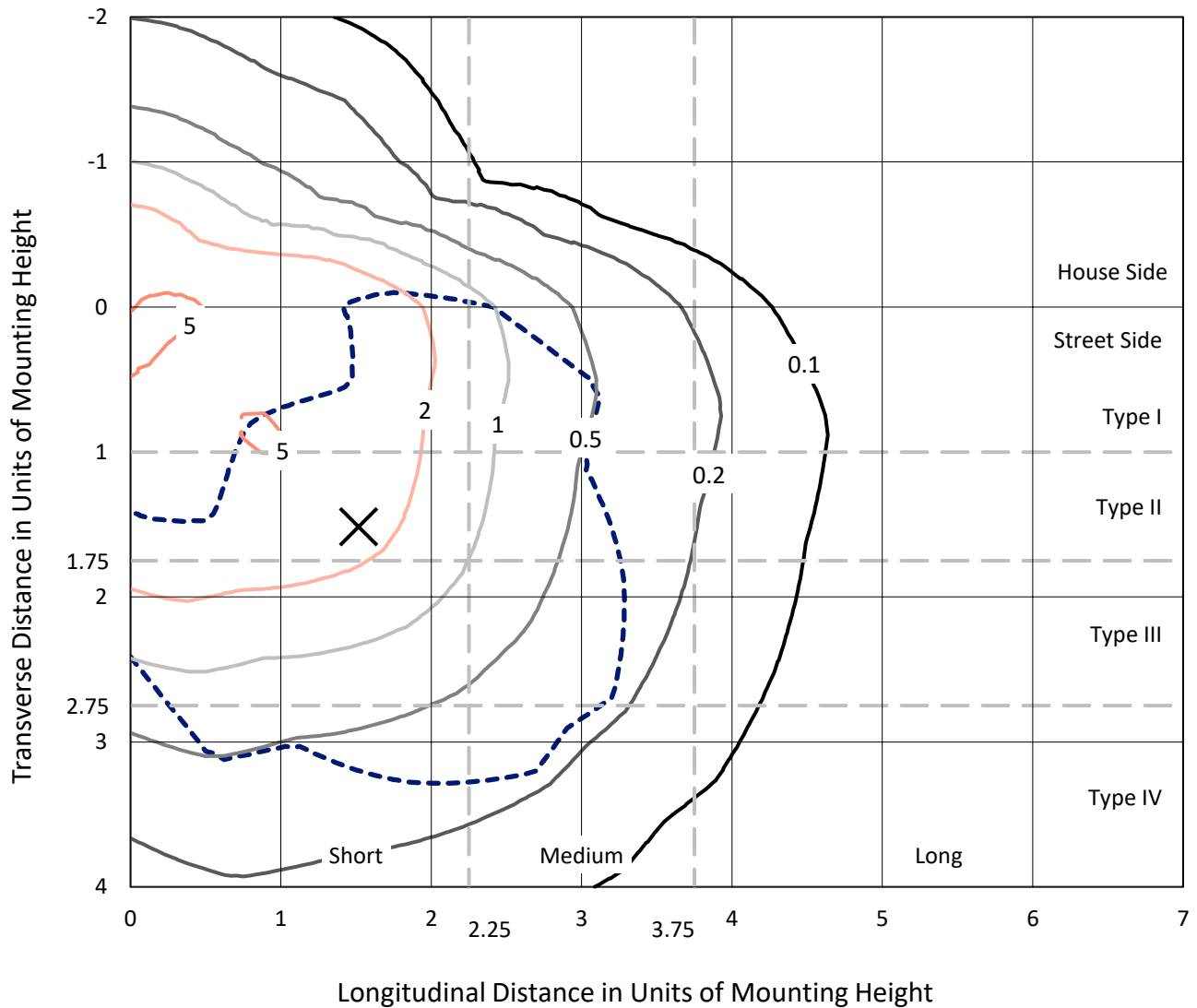
Lumens per Lamp: N/A  
Luminaire Lumens: 21597 lumens  
Efficiency: N/A  
Efficacy: 152.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

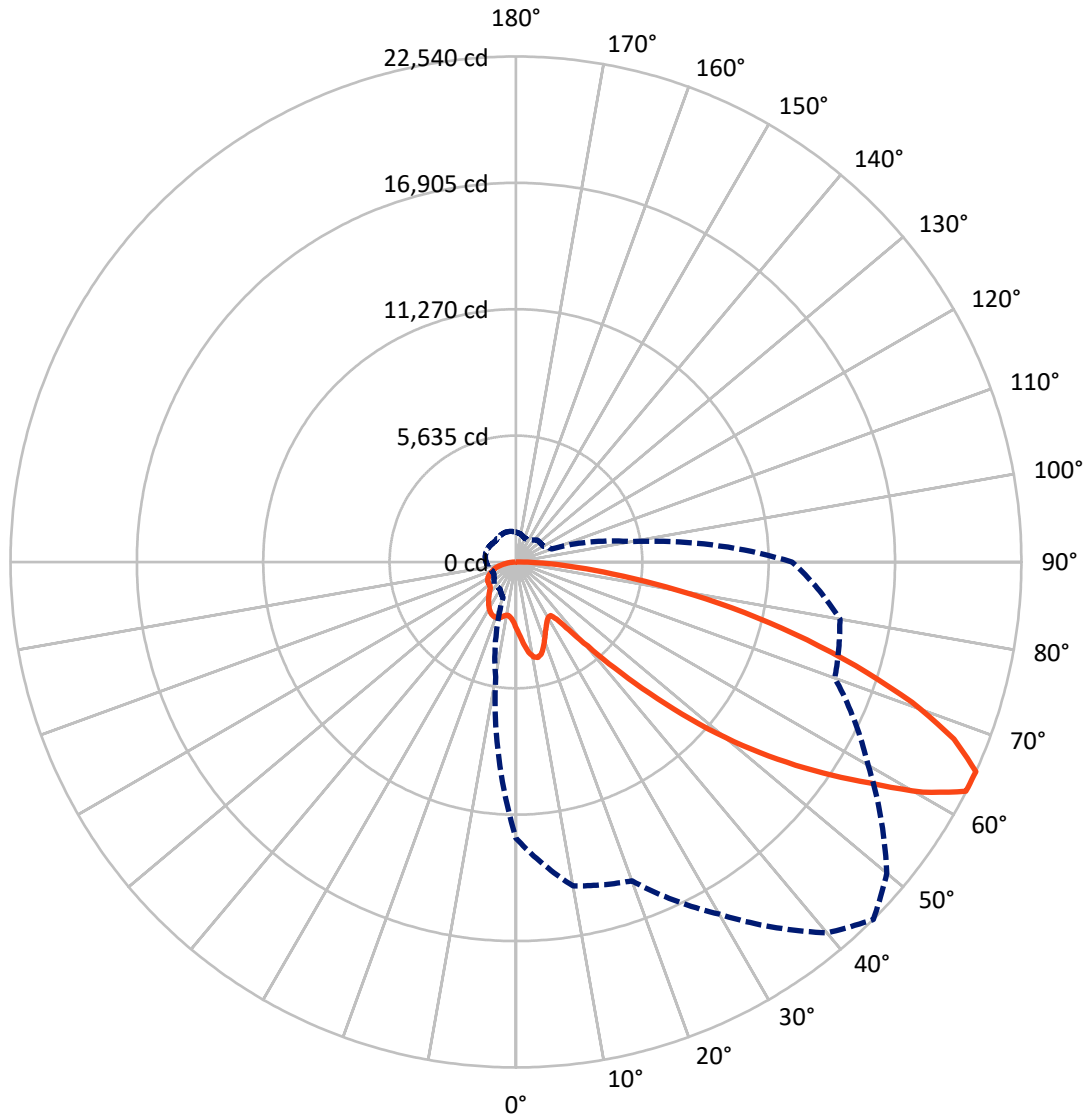
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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	5488.9	0.0	5488.9
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	16108.1	0.0	16108.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	21597.0	0.0	21597.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	294.6	1.4
10°-20°	924.8	4.3
20°-30°	1428.5	6.6
30°-40°	1810.3	8.4
40°-50°	2730.4	12.6
50°-60°	4411.3	20.4
60°-70°	5499.4	25.5
70°-80°	3606.2	16.7
80°-90°	891.5	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°	21597.0	100.0
0°-180°	21597.0	100.0

**Coefficient of Utilization**



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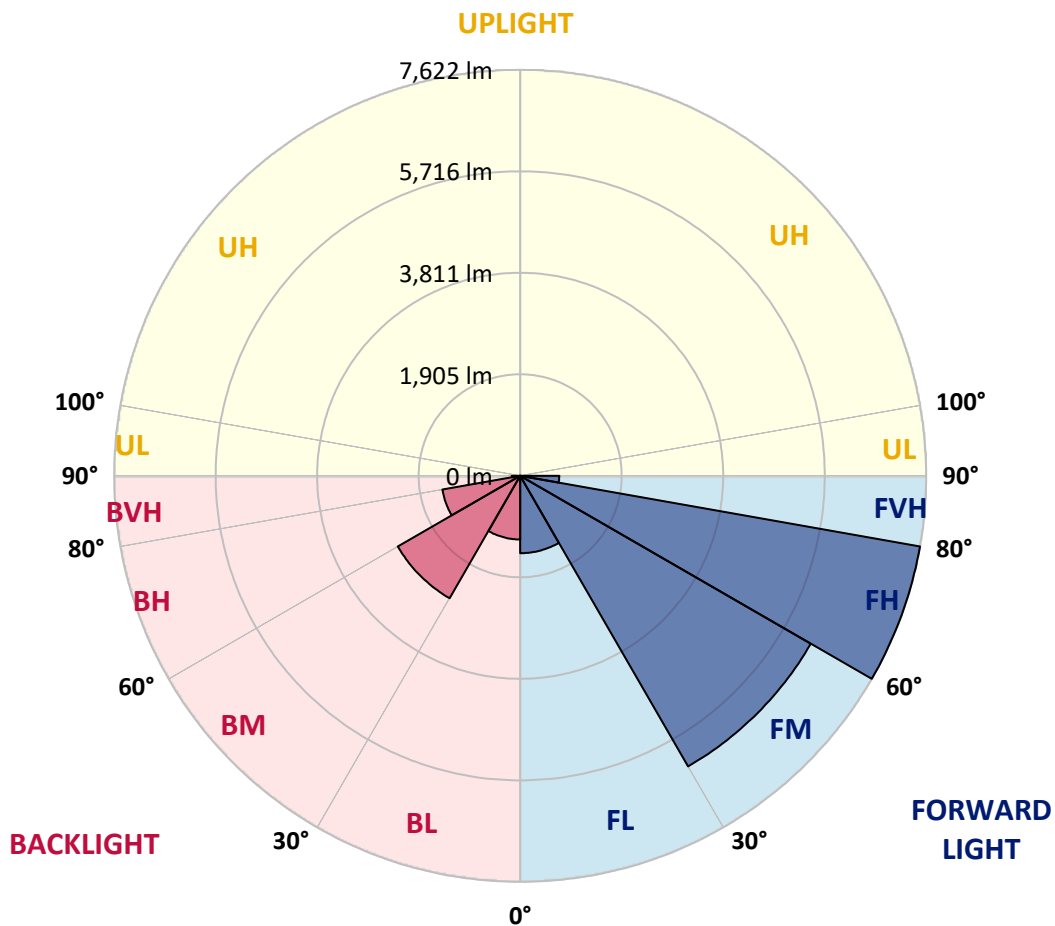
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1452.6	6.7			
FM (30°-60°)	6299.4	29.2			
FH (60°-80°)	7621.7	35.3			G4/12000
FVH (80°-90°)	734.4	3.4			G4/750
BL (0°-30°)	1195.3	5.5	B3/2500		
BM (30°-60°)	2652.6	12.3	B3/5000		
BH (60°-80°)	1483.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	157.1	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-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
2.5°	3193.7	3205.8	3218.0	3235.2	3252.4	3262.6	3272.9	3278.0	3283.2	3280.9
5°	3434.2	3476.4	3518.8	3560.8	3602.8	3625.6	3648.4	3662.2	3676.1	3686.6
7.5°	3675.7	3744.6	3813.3	3875.2	3937.1	3974.3	4011.6	4031.8	4051.8	4061.5
10°	3860.9	3942.3	4023.7	4096.3	4168.9	4212.8	4256.6	4276.2	4295.7	4303.1
12.5°	3974.3	4062.5	4150.6	4216.3	4281.7	4313.6	4345.5	4356.2	4366.9	4368.1
15°	4043.3	4119.4	4195.4	4236.5	4277.8	4278.9	4280.1	4268.7	4257.3	4243.8
17.5°	4082.0	4133.4	4184.8	4185.6	4186.3	4140.1	4094.0	4051.7	4009.3	3979.5
20°	4124.7	4142.6	4160.6	4106.5	4052.4	3950.5	3848.6	3774.4	3700.3	3654.7
22.5°	4174.3	4150.8	4127.4	4015.2	3903.1	3753.2	3603.4	3510.6	3417.9	3367.5
25°	4238.1	4164.1	4090.0	3919.7	3749.5	3567.5	3385.5	3287.9	3190.6	3143.0
27.5°	4324.7	4192.3	4059.8	3834.3	3608.9	3407.1	3205.4	3109.5	3013.6	2968.6
30°	4441.6	4244.1	4046.7	3769.1	3491.5	3281.3	3071.2	2982.2	2893.2	2851.3
32.5°	4579.4	4309.0	4038.7	3724.6	3410.6	3213.1	3015.6	2945.7	2875.8	2845.6
35°	4747.0	4416.0	4085.2	3757.9	3430.7	3293.5	3156.4	3140.1	3123.8	3121.3
37.5°	5029.0	4639.7	4250.4	3953.0	3655.6	3646.7	3637.8	3712.3	3786.9	3825.6
40°	5455.2	5031.9	4608.5	4387.3	4166.1	4322.2	4478.4	4659.6	4840.8	4931.0
42.5°	6020.5	5600.4	5180.4	5052.9	4925.5	5266.0	5606.6	5936.1	6265.7	6459.2
45°	6718.5	6341.1	5963.7	5907.5	5851.2	6396.8	6942.4	7483.9	8025.6	8354.3
47.5°	7591.4	7224.3	6857.1	6845.7	6834.4	7621.4	8408.1	9200.9	9993.6	10459.2
50°	8735.5	8282.1	7828.8	7830.7	7832.6	8846.9	9861.1	10907.6	11954.1	12586.8
52.5°	10048.9	9499.9	8950.9	8895.4	8839.8	10051.3	11262.8	12557.6	13852.3	14610.7
55°	11447.2	10904.7	10362.3	10145.9	9929.5	11277.8	12626.1	14169.7	15713.2	16615.2
57.5°	12719.0	12423.6	12128.1	11694.0	11260.1	12621.5	13983.0	15731.4	17479.6	18598.1
60°	13487.6	13946.4	14405.3	13866.3	13327.3	14615.7	15904.1	17776.0	19647.9	20856.8
62.5°	13097.3	14351.0	15604.6	15543.9	15483.0	16663.3	17843.7	19624.7	21405.5	22522.9
65°	12316.1	13492.8	14669.4	14902.2	15134.9	16634.8	18134.9	19861.8	21588.6	22540.0
67.5°	11269.4	12388.5	13507.6	13616.7	13725.8	15288.6	16851.4	18585.7	20320.0	21065.3
70°	10011.9	11229.1	12446.4	12495.2	12544.0	13941.6	15339.1	16831.6	18324.0	18738.3
72.5°	8513.3	9910.1	11307.0	11342.1	11377.1	12470.5	13564.0	14681.8	15799.5	15841.5
75°	6617.6	8063.3	9509.0	9638.8	9768.6	10619.3	11470.0	12256.9	13043.8	12832.9
77.5°	4728.2	6077.7	7427.3	7613.0	7798.8	8445.5	9092.2	9650.3	10208.5	9846.1
80°	3094.6	4229.9	5365.2	5596.1	5827.0	6315.4	6803.6	7096.7	7389.7	6806.8
82.5°	1798.8	2575.0	3351.3	3609.2	3867.2	4203.4	4539.6	4661.8	4784.0	4325.9
85°	791.4	1203.4	1615.4	1834.7	2054.1	2330.3	2606.5	2675.9	2745.3	2378.3
87.5°	245.0	383.5	521.9	644.3	766.7	904.8	1043.0	1048.9	1054.7	885.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2969.8	0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
3283.2	2.5°	3278.0	3272.9	3262.6	3252.4	3235.2	3218.0	3205.8	3193.7	3169.2	3144.7
3676.1	5°	3662.2	3648.4	3625.6	3602.8	3560.8	3518.8	3476.4	3434.2	3380.0	3325.9
4051.8	7.5°	4031.8	4011.6	3974.3	3937.1	3875.2	3813.3	3744.6	3675.7	3586.4	3497.2
4295.7	10°	4276.2	4256.6	4212.8	4168.9	4096.3	4023.7	3942.3	3860.9	3748.0	3635.1
4366.9	12.5°	4356.2	4345.5	4313.6	4281.7	4216.3	4150.6	4062.5	3974.3	3850.2	3726.2
4257.3	15°	4268.7	4280.1	4278.9	4277.8	4236.5	4195.4	4119.4	4043.3	3913.9	3784.6
4009.3	17.5°	4051.7	4094.0	4140.1	4186.3	4185.6	4184.8	4133.4	4082.0	3950.8	3819.7
3700.3	20°	3774.4	3848.6	3950.5	4052.4	4106.5	4160.6	4142.6	4124.7	3988.5	3852.0
3417.9	22.5°	3510.6	3603.4	3753.2	3903.1	4015.2	4127.4	4150.8	4174.3	4035.1	3895.7
3190.6	25°	3287.9	3385.5	3567.5	3749.5	3919.7	4090.0	4164.1	4238.1	4101.6	3965.2
3013.6	27.5°	3109.5	3205.4	3407.1	3608.9	3834.3	4059.8	4192.3	4324.7	4194.6	4064.4
2893.2	30°	2982.2	3071.2	3281.3	3491.5	3769.1	4046.7	4244.1	4441.6	4315.7	4190.0
2875.8	32.5°	2945.7	3015.6	3213.1	3410.6	3724.6	4038.7	4309.0	4579.4	4454.9	4330.4
3123.8	35°	3140.1	3156.4	3293.5	3430.7	3757.9	4085.2	4416.0	4747.0	4627.8	4508.4
3786.9	37.5°	3712.3	3637.8	3646.7	3655.6	3953.0	4250.4	4639.7	5029.0	4877.0	4725.0
4840.8	40°	4659.6	4478.4	4322.2	4166.1	4387.3	4608.5	5031.9	5455.2	5233.7	5012.1
6265.7	42.5°	5936.1	5606.6	5266.0	4925.5	5052.9	5180.4	5600.4	6020.5	5700.7	5380.9
8025.6	45°	7483.9	6942.4	6396.8	5851.2	5907.5	5963.7	6341.1	6718.5	6287.1	5855.8
9993.6	47.5°	9200.9	8408.1	7621.4	6834.4	6845.7	6857.1	7224.3	7591.4	6984.3	6377.1
11954.1	50°	10907.6	9861.1	8846.9	7832.6	7830.7	7828.8	8282.1	8735.5	7820.3	6905.0
13852.3	52.5°	12557.6	11262.8	10051.3	8839.8	8895.4	8950.9	9499.9	10048.9	8698.5	7348.1
15713.2	55°	14169.7	12626.1	11277.8	9929.5	10145.9	10362.3	10904.7	11447.2	9477.1	7507.1
17479.6	57.5°	15731.4	13983.0	12621.5	11260.1	11694.0	12128.1	12423.6	12719.0	10028.9	7338.7
19647.9	60°	17776.0	15904.1	14615.7	13327.3	13866.3	14405.3	13946.4	13487.6	10166.7	6845.7
21405.5	62.5°	19624.7	17843.7	16663.3	15483.0	15543.9	15604.6	14351.0	13097.3	9586.1	6074.9
21588.6	65°	19861.8	18134.9	16634.8	15134.9	14902.2	14669.4	13492.8	12316.1	8764.6	5213.1
20320.0	67.5°	18585.7	16851.4	15288.6	13725.8	13616.7	13507.6	12388.5	11269.4	7786.9	4304.5
18324.0	70°	16831.6	15339.1	13941.6	12544.0	12495.2	12446.4	11229.1	10011.9	6720.2	3428.5
15799.5	72.5°	14681.8	13564.0	12470.5	11377.1	11342.1	11307.0	9910.1	8513.3	5563.7	2614.2
13043.8	75°	12256.9	11470.0	10619.3	9768.6	9638.8	9509.0	8063.3	6617.6	4238.0	1858.4
10208.5	77.5°	9650.3	9092.2	8445.5	7798.8	7613.0	7427.3	6077.7	4728.2	2966.2	1204.3
7389.7	80°	7096.7	6803.6	6315.4	5827.0	5596.1	5365.2	4229.9	3094.6	1911.1	727.6
4784.0	82.5°	4661.8	4539.6	4203.4	3867.2	3609.2	3351.3	2575.0	1798.8	1106.1	413.4
2745.3	85°	2675.9	2606.5	2330.3	2054.1	1834.7	1615.4	1203.4	791.4	497.5	203.8
1054.7	87.5°	1048.9	1043.0	904.8	766.7	644.3	521.9	383.5	245.0	163.0	80.9
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):**

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2969.8	0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
3118.6	2.5°	3092.6	3066.4	3040.2	3015.1	2990.1	2965.8	2938.8	2916.9	2895.1	2875.4
3271.9	5°	3218.0	3163.6	3109.4	3058.7	3007.9	2960.1	2912.8	2871.5	2830.2	2795.5
3414.7	7.5°	3332.2	3251.8	3171.5	3100.7	3029.9	2964.6	2903.4	2848.5	2793.7	2748.1
3526.0	10°	3417.1	3319.5	3221.9	3138.2	3054.3	2973.8	2908.0	2850.1	2792.2	2746.6
3602.7	12.5°	3479.2	3364.1	3249.0	3154.3	3059.6	2974.9	2913.7	2866.3	2819.1	2788.8
3650.6	15°	3516.5	3384.0	3251.5	3141.9	3032.2	2938.4	2889.4	2866.8	2844.2	2848.3
3673.5	17.5°	3527.3	3373.4	3219.6	3087.7	2955.9	2845.6	2815.4	2823.7	2831.9	2881.6
3691.4	20°	3530.7	3344.2	3157.8	2994.4	2831.0	2702.5	2694.6	2733.3	2772.1	2858.3
3715.5	22.5°	3535.2	3308.5	3081.7	2884.9	2688.1	2541.9	2557.5	2614.8	2672.1	2770.6
3759.3	25°	3553.2	3273.1	2993.1	2762.6	2532.2	2382.3	2424.5	2490.6	2556.7	2645.2
3827.7	27.5°	3590.9	3249.5	2908.2	2650.8	2393.4	2257.0	2308.2	2372.1	2435.9	2508.7
3916.2	30°	3642.4	3238.5	2834.4	2557.4	2280.3	2165.8	2206.0	2256.6	2307.4	2367.8
4008.6	32.5°	3686.8	3224.8	2762.6	2476.8	2190.9	2098.6	2116.4	2146.4	2176.4	2224.6
4113.9	35°	3719.4	3199.1	2678.9	2397.6	2116.2	2039.3	2031.9	2040.1	2048.4	2085.2
4231.9	37.5°	3738.8	3155.0	2571.1	2304.4	2037.6	1970.4	1943.2	1934.1	1925.0	1951.4
4381.6	40°	3751.0	3094.2	2437.6	2193.1	1948.7	1887.7	1846.1	1825.5	1804.9	1823.9
4577.5	42.5°	3774.1	3031.5	2289.2	2070.4	1851.6	1795.4	1743.0	1715.7	1688.3	1703.8
4835.3	45°	3814.8	2973.3	2131.9	1940.0	1748.1	1691.2	1640.4	1613.8	1587.2	1600.2
5109.9	47.5°	3842.7	2925.2	2007.7	1836.9	1666.1	1592.6	1548.9	1526.6	1504.3	1516.6
5364.7	50°	3824.5	2872.8	1921.1	1768.4	1615.7	1519.1	1468.4	1448.5	1428.8	1448.0
5530.2	52.5°	3712.2	2784.2	1856.4	1723.3	1590.3	1479.2	1408.3	1388.7	1369.2	1398.0
5493.7	55°	3480.3	2637.5	1794.6	1690.6	1586.5	1483.2	1376.4	1345.4	1314.5	1355.4
5237.1	57.5°	3135.6	2430.5	1725.3	1651.8	1578.3	1487.2	1357.3	1312.1	1267.0	1311.0
4759.5	60°	2673.3	2161.8	1650.4	1592.6	1534.8	1474.6	1339.2	1280.8	1222.2	1260.8
4113.7	62.5°	2152.5	1840.2	1528.0	1489.6	1451.3	1443.9	1318.3	1245.1	1172.1	1196.6
3454.8	65°	1696.6	1550.9	1405.1	1387.0	1368.9	1369.8	1274.1	1196.3	1118.5	1128.0
2809.3	67.5°	1314.2	1272.8	1231.3	1241.5	1251.5	1249.0	1195.2	1130.5	1065.7	1062.8
2211.9	70°	995.4	1007.3	1019.0	1066.0	1112.8	1112.8	1095.1	1049.1	1003.1	992.8
1691.0	72.5°	767.9	803.5	839.3	905.9	972.3	983.5	983.7	952.1	920.6	905.5
1227.3	75°	596.2	628.6	661.0	735.5	810.0	861.5	857.2	832.9	808.5	794.2
831.7	77.5°	459.0	481.0	503.1	575.5	647.9	732.8	730.5	711.0	691.5	676.9
535.8	80°	344.2	353.3	362.4	423.7	484.9	586.3	586.0	569.7	553.3	541.1
329.6	82.5°	245.9	247.5	249.3	294.5	339.6	426.2	431.0	423.0	415.0	406.4
176.2	85°	148.7	147.9	147.0	180.1	213.1	277.5	283.8	275.2	266.7	257.0
73.0	87.5°	65.2	64.4	63.6	77.0	90.6	117.4	125.4	121.9	118.5	116.7
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°
2969.8	0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
2855.8	2.5°	2838.6	2821.4	2804.1	2786.9	2773.5	2760.1	2749.3	2738.4	2730.0	2721.6
2761.0	5°	2730.5	2699.9	2672.2	2644.4	2623.1	2601.7	2586.8	2571.8	2561.2	2550.6
2702.5	7.5°	2664.1	2625.6	2591.7	2557.8	2532.4	2507.1	2489.3	2471.5	2459.4	2447.3
2701.1	10°	2659.7	2618.2	2580.0	2541.9	2511.5	2481.1	2461.3	2441.2	2429.7	2418.2
2758.7	12.5°	2726.1	2693.8	2654.2	2614.8	2576.0	2537.3	2511.7	2486.0	2473.1	2460.4
2852.4	15°	2844.0	2835.5	2801.2	2766.9	2711.8	2656.6	2617.6	2578.7	2560.8	2543.0
2931.3	17.5°	2957.7	2984.0	2956.3	2928.7	2855.7	2782.7	2725.2	2667.8	2641.3	2614.8
2944.7	20°	3000.0	3055.2	3042.5	3029.6	2946.1	2862.7	2792.2	2721.9	2688.1	2654.1
2869.3	22.5°	2941.2	3013.1	3020.8	3028.5	2948.7	2868.9	2796.4	2723.8	2688.2	2652.4
2733.9	25°	2804.6	2875.4	2901.9	2928.2	2862.8	2797.5	2733.0	2668.7	2637.7	2606.8
2581.4	27.5°	2638.2	2694.9	2724.3	2753.8	2707.2	2660.7	2610.7	2560.7	2539.9	2519.1
2428.2	30°	2475.3	2522.5	2546.4	2570.3	2534.9	2499.4	2463.6	2427.6	2417.0	2406.2
2272.9	32.5°	2318.0	2363.3	2389.8	2416.5	2383.9	2351.2	2322.6	2294.0	2287.0	2280.1
2121.9	35°	2166.6	2211.4	2243.3	2275.2	2251.9	2228.8	2202.4	2176.0	2165.5	2155.0
1977.8	37.5°	2022.3	2067.0	2106.4	2145.8	2135.1	2124.4	2100.2	2075.8	2056.5	2037.4
1842.9	40°	1886.0	1929.1	1974.5	2019.9	2022.5	2025.1	2004.4	1983.8	1955.8	1928.0
1719.4	42.5°	1760.2	1801.1	1850.1	1899.1	1912.2	1925.3	1907.9	1890.6	1855.8	1821.1
1613.4	45°	1652.2	1690.9	1741.8	1792.6	1811.4	1830.2	1814.5	1798.8	1759.1	1719.4
1528.8	47.5°	1566.7	1604.5	1654.7	1704.8	1726.5	1748.1	1737.2	1726.3	1690.9	1655.6
1467.2	50°	1503.0	1538.7	1583.6	1628.5	1656.3	1684.1	1683.4	1682.9	1654.7	1626.4
1426.8	52.5°	1459.6	1492.3	1534.1	1576.1	1609.0	1641.9	1647.8	1653.8	1630.8	1607.7
1396.2	55°	1431.6	1466.9	1503.6	1540.2	1575.0	1610.0	1618.2	1626.4	1606.4	1586.3
1355.0	57.5°	1396.5	1437.9	1474.2	1510.5	1545.7	1580.8	1589.2	1597.5	1577.2	1556.9
1299.4	60°	1347.0	1394.6	1431.4	1468.4	1503.7	1539.0	1548.1	1557.3	1537.4	1517.7
1221.1	62.5°	1276.6	1332.2	1371.5	1410.8	1443.2	1475.5	1484.3	1493.1	1475.2	1457.3
1137.3	65°	1196.8	1256.4	1294.0	1331.6	1360.1	1388.6	1397.6	1406.5	1389.3	1372.1
1059.8	67.5°	1114.7	1169.8	1205.5	1241.0	1265.6	1290.2	1299.0	1307.7	1291.8	1276.1
982.6	70°	1030.9	1079.2	1110.0	1140.7	1163.0	1185.2	1193.6	1202.0	1189.2	1176.3
890.6	72.5°	928.7	966.6	994.4	1022.2	1044.0	1065.7	1075.8	1085.8	1075.1	1064.4
779.7	75°	808.0	836.2	861.4	886.6	906.4	926.3	936.7	947.2	942.0	936.7
662.3	77.5°	685.3	708.3	729.9	751.6	772.4	793.2	803.0	812.8	805.5	797.9
528.8	80°	547.9	566.9	585.2	603.4	619.3	635.0	648.0	661.0	657.8	654.7
397.7	82.5°	396.1	394.5	388.1	381.8	415.5	449.2	471.3	493.4	492.1	490.6
247.3	85°	239.1	230.8	213.1	195.4	227.0	258.7	286.0	313.4	311.1	308.8
114.9	87.5°	114.5	114.2	100.7	87.2	100.4	113.7	124.8	135.8	133.1	130.1
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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 CATALOG NUMBER: GALN-SB5A-850-U-SLL

**CANDELA DISTRIBUTION (continued):**

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2969.8	0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
2713.8	2.5°	2706.0	2696.3	2706.0	2713.8	2721.6	2730.0	2738.4	2749.3	2760.1	2773.5
2542.5	5°	2534.4	2526.5	2534.4	2542.5	2550.6	2561.2	2571.8	2586.8	2601.7	2623.1
2440.0	7.5°	2432.8	2427.3	2432.8	2440.0	2447.3	2459.4	2471.5	2489.3	2507.1	2532.4
2412.1	10°	2405.9	2403.4	2405.9	2412.1	2418.2	2429.7	2441.2	2461.3	2481.1	2511.5
2455.1	12.5°	2449.9	2449.0	2449.9	2455.1	2460.4	2473.1	2486.0	2511.7	2537.3	2576.0
2536.2	15°	2529.3	2528.8	2529.3	2536.2	2543.0	2560.8	2578.7	2617.6	2656.6	2711.8
2606.1	17.5°	2597.4	2596.0	2597.4	2606.1	2614.8	2641.3	2667.8	2725.2	2782.7	2855.7
2643.3	20°	2632.5	2629.0	2632.5	2643.3	2654.1	2688.1	2721.9	2792.2	2862.7	2946.1
2640.4	22.5°	2628.5	2623.3	2628.5	2640.4	2652.4	2688.2	2723.8	2796.4	2868.9	2948.7
2595.5	25°	2584.4	2577.8	2584.4	2595.5	2606.8	2637.7	2668.7	2733.0	2797.5	2862.8
2513.9	27.5°	2508.8	2507.1	2508.8	2513.9	2519.1	2539.9	2560.7	2610.7	2660.7	2707.2
2406.2	30°	2406.2	2408.0	2406.2	2406.2	2406.2	2417.0	2427.6	2463.6	2499.4	2534.9
2281.0	32.5°	2282.0	2283.7	2282.0	2281.0	2280.1	2287.0	2294.0	2322.6	2351.2	2383.9
2152.7	35°	2150.4	2149.3	2150.4	2152.7	2155.0	2165.5	2176.0	2202.4	2228.8	2251.9
2027.2	37.5°	2017.1	2011.4	2017.1	2027.2	2037.4	2056.5	2075.8	2100.2	2124.4	2135.1
1909.0	40°	1890.4	1879.2	1890.4	1909.0	1928.0	1955.8	1983.8	2004.4	2025.1	2022.5
1793.6	42.5°	1766.1	1748.1	1766.1	1793.6	1821.1	1855.8	1890.6	1907.9	1925.3	1912.2
1687.2	45°	1654.9	1634.2	1654.9	1687.2	1719.4	1759.1	1798.8	1814.5	1830.2	1811.4
1625.7	47.5°	1596.0	1576.1	1596.0	1625.7	1655.6	1690.9	1726.3	1737.2	1748.1	1726.5
1598.8	50°	1571.3	1552.1	1571.3	1598.8	1626.4	1654.7	1682.9	1683.4	1684.1	1656.3
1583.0	52.5°	1558.4	1540.7	1558.4	1583.0	1607.7	1630.8	1653.8	1647.8	1641.9	1609.0
1564.7	55°	1543.0	1527.1	1543.0	1564.7	1586.3	1606.4	1626.4	1618.2	1610.0	1575.0
1535.5	57.5°	1513.9	1497.4	1513.9	1535.5	1556.9	1577.2	1597.5	1589.2	1580.8	1545.7
1495.6	60°	1473.5	1456.4	1473.5	1495.6	1517.7	1537.4	1557.3	1548.1	1539.0	1503.7
1434.1	62.5°	1410.8	1390.3	1410.8	1434.1	1457.3	1475.2	1493.1	1484.3	1475.5	1443.2
1349.5	65°	1327.1	1309.4	1327.1	1349.5	1372.1	1389.3	1406.5	1397.6	1388.6	1360.1
1255.1	67.5°	1234.2	1218.2	1234.2	1255.1	1276.1	1291.8	1307.7	1299.0	1290.2	1265.6
1156.2	70°	1136.2	1117.9	1136.2	1156.2	1176.3	1189.2	1202.0	1193.6	1185.2	1163.0
1045.2	72.5°	1026.2	1008.5	1026.2	1045.2	1064.4	1075.1	1085.8	1075.8	1065.7	1044.0
920.7	75°	904.6	887.7	904.6	920.7	936.7	942.0	947.2	936.7	926.3	906.4
781.8	77.5°	765.6	752.1	765.6	781.8	797.9	805.5	812.8	803.0	793.2	772.4
632.9	80°	611.0	585.7	611.0	632.9	654.7	657.8	661.0	648.0	635.0	619.3
472.2	82.5°	453.8	437.6	453.8	472.2	490.6	492.1	493.4	471.3	449.2	415.5
294.5	85°	280.1	265.5	280.1	294.5	308.8	311.1	313.4	286.0	258.7	227.0
122.8	87.5°	115.3	108.3	115.3	122.8	130.1	133.1	135.8	124.8	113.7	100.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950783  
 CATALOG NUMBER: GALN-SB5A-850-U-SLL

**CANDELA DISTRIBUTION (continued):**

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2969.8	0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
2786.9	2.5°	2804.1	2821.4	2838.6	2855.8	2875.4	2895.1	2916.9	2938.8	2965.8	2990.1
2644.4	5°	2672.2	2699.9	2730.5	2761.0	2795.5	2830.2	2871.5	2912.8	2960.1	3007.9
2557.8	7.5°	2591.7	2625.6	2664.1	2702.5	2748.1	2793.7	2848.5	2903.4	2964.6	3029.9
2541.9	10°	2580.0	2618.2	2659.7	2701.1	2746.6	2792.2	2850.1	2908.0	2973.8	3054.3
2614.8	12.5°	2654.2	2693.8	2726.1	2758.7	2788.8	2819.1	2866.3	2913.7	2974.9	3059.6
2766.9	15°	2801.2	2835.5	2844.0	2852.4	2848.3	2844.2	2866.8	2889.4	2938.4	3032.2
2928.7	17.5°	2956.3	2984.0	2957.7	2931.3	2881.6	2831.9	2823.7	2815.4	2845.6	2955.9
3029.6	20°	3042.5	3055.2	3000.0	2944.7	2858.3	2772.1	2733.3	2694.6	2702.5	2831.0
3028.5	22.5°	3020.8	3013.1	2941.2	2869.3	2770.6	2672.1	2614.8	2557.5	2541.9	2688.1
2928.2	25°	2901.9	2875.4	2804.6	2733.9	2645.2	2556.7	2490.6	2424.5	2382.3	2532.2
2753.8	27.5°	2724.3	2694.9	2638.2	2581.4	2508.7	2435.9	2372.1	2308.2	2257.0	2393.4
2570.3	30°	2546.4	2522.5	2475.3	2428.2	2367.8	2307.4	2256.6	2206.0	2165.8	2280.3
2416.5	32.5°	2389.8	2363.3	2318.0	2272.9	2224.6	2176.4	2146.4	2116.4	2098.6	2190.9
2275.2	35°	2243.3	2211.4	2166.6	2121.9	2085.2	2048.4	2040.1	2031.9	2039.3	2116.2
2145.8	37.5°	2106.4	2067.0	2022.3	1977.8	1951.4	1925.0	1934.1	1943.2	1970.4	2037.6
2019.9	40°	1974.5	1929.1	1886.0	1842.9	1823.9	1804.9	1825.5	1846.1	1887.7	1948.7
1899.1	42.5°	1850.1	1801.1	1760.2	1719.4	1703.8	1688.3	1715.7	1743.0	1795.4	1851.6
1792.6	45°	1741.8	1690.9	1652.2	1613.4	1600.2	1587.2	1613.8	1640.4	1691.2	1748.1
1704.8	47.5°	1654.7	1604.5	1566.7	1528.8	1516.6	1504.3	1526.6	1548.9	1592.6	1666.1
1628.5	50°	1583.6	1538.7	1503.0	1467.2	1448.0	1428.8	1448.5	1468.4	1519.1	1615.7
1576.1	52.5°	1534.1	1492.3	1459.6	1426.8	1398.0	1369.2	1388.7	1408.3	1479.2	1590.3
1540.2	55°	1503.6	1466.9	1431.6	1396.2	1355.4	1314.5	1345.4	1376.4	1483.2	1586.5
1510.5	57.5°	1474.2	1437.9	1396.5	1355.0	1311.0	1267.0	1312.1	1357.3	1487.2	1578.3
1468.4	60°	1431.4	1394.6	1347.0	1299.4	1260.8	1222.2	1280.8	1339.2	1474.6	1534.8
1410.8	62.5°	1371.5	1332.2	1276.6	1221.1	1196.6	1172.1	1245.1	1318.3	1443.9	1451.3
1331.6	65°	1294.0	1256.4	1196.8	1137.3	1128.0	1118.5	1196.3	1274.1	1369.8	1368.9
1241.0	67.5°	1205.5	1169.8	1114.7	1059.8	1062.8	1065.7	1130.5	1195.2	1249.0	1251.5
1140.7	70°	1110.0	1079.2	1030.9	982.6	992.8	1003.1	1049.1	1095.1	1112.8	1112.8
1022.2	72.5°	994.4	966.6	928.7	890.6	905.5	920.6	952.1	983.7	983.5	972.3
886.6	75°	861.4	836.2	808.0	779.7	794.2	808.5	832.9	857.2	861.5	810.0
751.6	77.5°	729.9	708.3	685.3	662.3	676.9	691.5	711.0	730.5	732.8	647.9
603.4	80°	585.2	566.9	547.9	528.8	541.1	553.3	569.7	586.0	586.3	484.9
381.8	82.5°	388.1	394.5	396.1	397.7	406.4	415.0	423.0	431.0	426.2	339.6
195.4	85°	213.1	230.8	239.1	247.3	257.0	266.7	275.2	283.8	277.5	213.1
87.2	87.5°	100.7	114.2	114.5	114.9	116.7	118.5	121.9	125.4	117.4	90.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950783  
 CATALOG NUMBER: GALN-SB5A-850-U-SLL

**CANDELA DISTRIBUTION (continued):**

325°		330°	335°	340°	345°	350°	355°	360°
2969.8	0°	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8	2969.8
3015.1	2.5°	3040.2	3066.4	3092.6	3118.6	3144.7	3169.2	3193.7
3058.7	5°	3109.4	3163.6	3218.0	3271.9	3325.9	3380.0	3434.2
3100.7	7.5°	3171.5	3251.8	3332.2	3414.7	3497.2	3586.4	3675.7
3138.2	10°	3221.9	3319.5	3417.1	3526.0	3635.1	3748.0	3860.9
3154.3	12.5°	3249.0	3364.1	3479.2	3602.7	3726.2	3850.2	3974.3
3141.9	15°	3251.5	3384.0	3516.5	3650.6	3784.6	3913.9	4043.3
3087.7	17.5°	3219.6	3373.4	3527.3	3673.5	3819.7	3950.8	4082.0
2994.4	20°	3157.8	3344.2	3530.7	3691.4	3852.0	3988.5	4124.7
2884.9	22.5°	3081.7	3308.5	3535.2	3715.5	3895.7	4035.1	4174.3
2762.6	25°	2993.1	3273.1	3553.2	3759.3	3965.2	4101.6	4238.1
2650.8	27.5°	2908.2	3249.5	3590.9	3827.7	4064.4	4194.6	4324.7
2557.4	30°	2834.4	3238.5	3642.4	3916.2	4190.0	4315.7	4441.6
2476.8	32.5°	2762.6	3224.8	3686.8	4008.6	4330.4	4454.9	4579.4
2397.6	35°	2678.9	3199.1	3719.4	4113.9	4508.4	4627.8	4747.0
2304.4	37.5°	2571.1	3155.0	3738.8	4231.9	4725.0	4877.0	5029.0
2193.1	40°	2437.6	3094.2	3751.0	4381.6	5012.1	5233.7	5455.2
2070.4	42.5°	2289.2	3031.5	3774.1	4577.5	5380.9	5700.7	6020.5
1940.0	45°	2131.9	2973.3	3814.8	4835.3	5855.8	6287.1	6718.5
1836.9	47.5°	2007.7	2925.2	3842.7	5109.9	6377.1	6984.3	7591.4
1768.4	50°	1921.1	2872.8	3824.5	5364.7	6905.0	7820.3	8735.5
1723.3	52.5°	1856.4	2784.2	3712.2	5530.2	7348.1	8698.5	10048.9
1690.6	55°	1794.6	2637.5	3480.3	5493.7	7507.1	9477.1	11447.2
1651.8	57.5°	1725.3	2430.5	3135.6	5237.1	7338.7	10028.9	12719.0
1592.6	60°	1650.4	2161.8	2673.3	4759.5	6845.7	10166.7	13487.6
1489.6	62.5°	1528.0	1840.2	2152.5	4113.7	6074.9	9586.1	13097.3
1387.0	65°	1405.1	1550.9	1696.6	3454.8	5213.1	8764.6	12316.1
1241.5	67.5°	1231.3	1272.8	1314.2	2809.3	4304.5	7786.9	11269.4
1066.0	70°	1019.0	1007.3	995.4	2211.9	3428.5	6720.2	10011.9
905.9	72.5°	839.3	803.5	767.9	1691.0	2614.2	5563.7	8513.3
735.5	75°	661.0	628.6	596.2	1227.3	1858.4	4238.0	6617.6
575.5	77.5°	503.1	481.0	459.0	831.7	1204.3	2966.2	4728.2
423.7	80°	362.4	353.3	344.2	535.8	727.6	1911.1	3094.6
294.5	82.5°	249.3	247.5	245.9	329.6	413.4	1106.1	1798.8
180.1	85°	147.0	147.9	148.7	176.2	203.8	497.5	791.4
77.0	87.5°	63.6	64.4	65.2	73.0	80.9	163.0	245.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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