

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: P952232

Luminaire Tested: **GALN-SB6A-927-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952232
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-SB6A-927-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16498 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

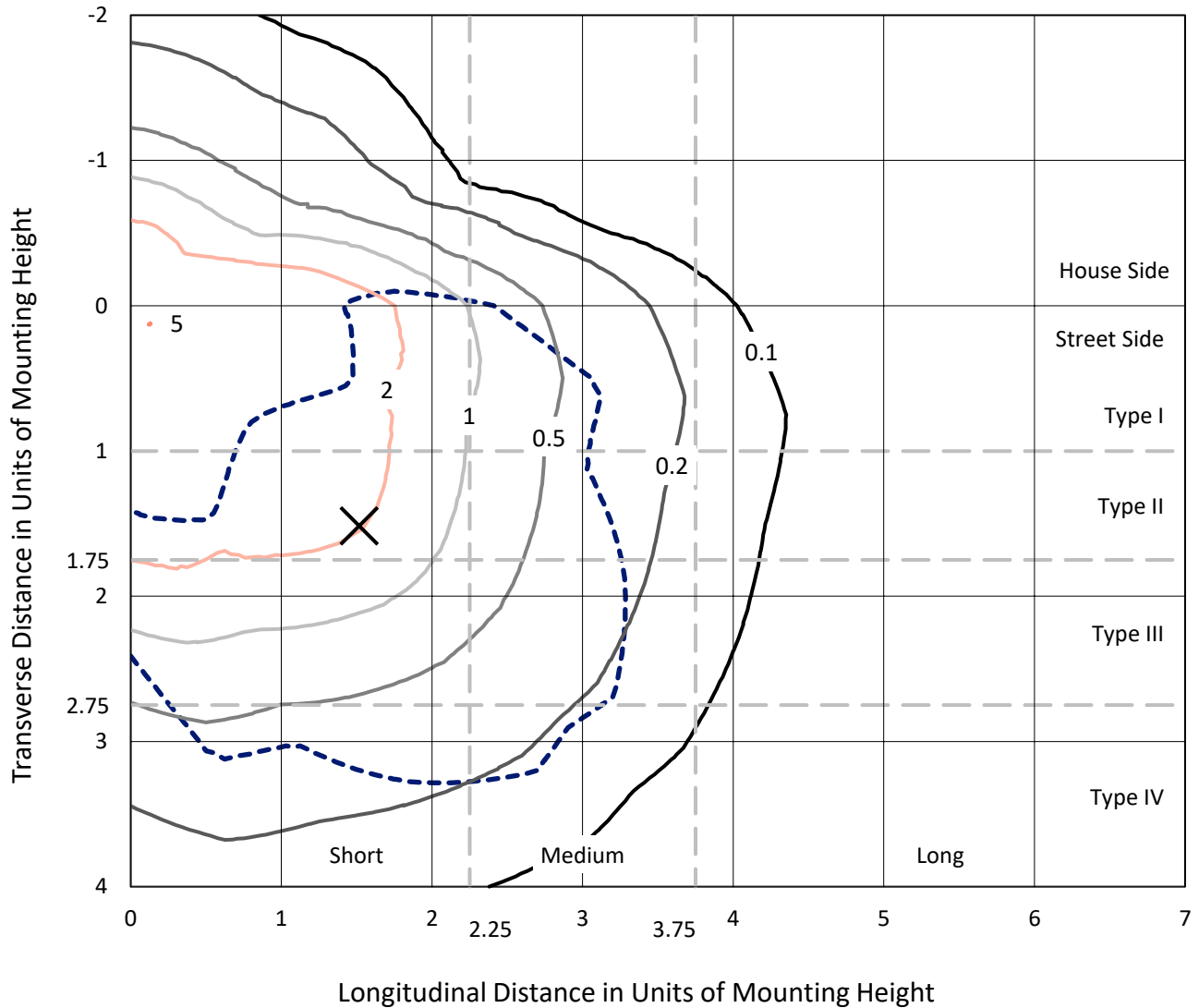
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

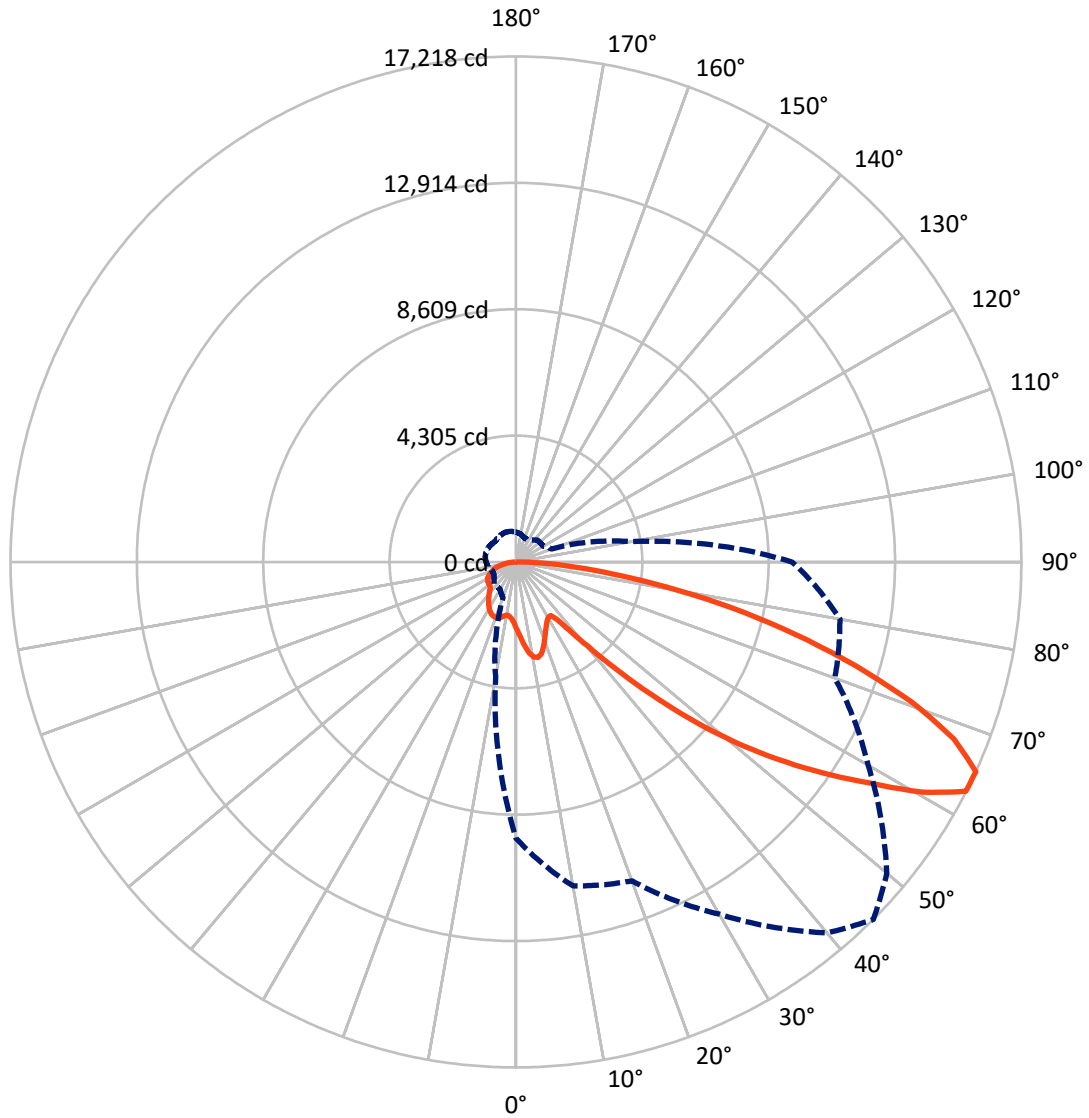
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P952232
CATALOG NUMBER: GALN-SB6A-927-U-SLL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P952232
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4193.0	0.0	4193.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	12305.0	0.0	12305.0
	% Fixture	74.6	0.0	74.6
Total	Lumens	16498.0	0.0	16498.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.0	1.4
10°-20°	706.5	4.3
20°-30°	1091.2	6.6
30°-40°	1382.9	8.4
40°-50°	2085.7	12.6
50°-60°	3369.8	20.4
60°-70°	4201.0	25.5
70°-80°	2754.8	16.7
80°-90°	681.1	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°	16498.0	100.0
0°-180°	16498.0	100.0



REPORT NUMBER: P952232

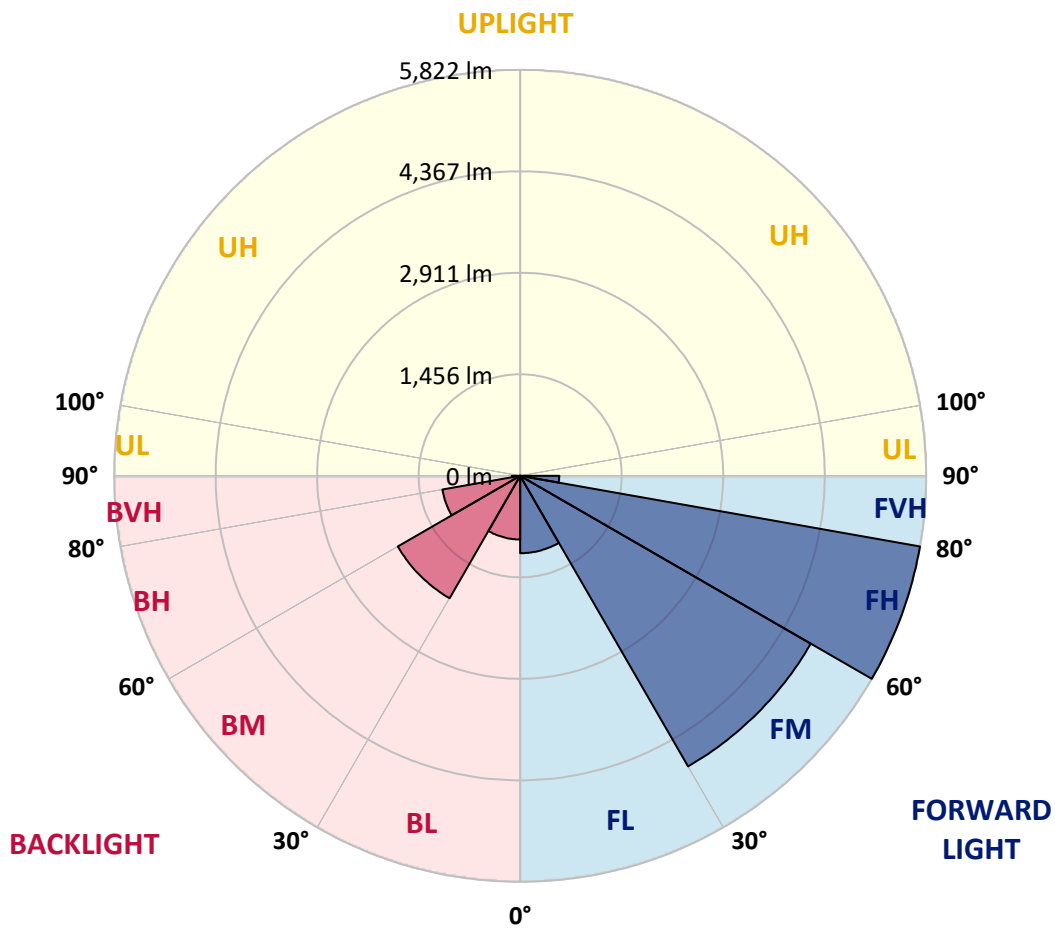
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1109.7	6.7			
FM (30°-60°)	4812.1	29.2			
FH (60°-80°)	5822.2	35.3			G3/7500
FVH (80°-90°)	561.0	3.4			G4/750
BL (0°-30°)	913.1	5.5	B2/1000		
BM (30°-60°)	2026.3	12.3	B2/2500		
BH (60°-80°)	1133.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	120.0	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



REPORT NUMBER: P952232

CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2.5°	2439.7	2448.9	2458.2	2471.4	2484.5	2492.3	2500.2	2504.1	2508.0	2506.3
5°	2623.4	2655.7	2688.0	2720.1	2752.2	2769.6	2787.0	2797.6	2808.2	2816.2
7.5°	2807.9	2860.5	2913.0	2960.3	3007.5	3036.0	3064.5	3079.9	3095.2	3102.6
10°	2949.4	3011.5	3073.7	3129.1	3184.6	3218.2	3251.6	3266.6	3281.5	3287.1
12.5°	3036.0	3103.4	3170.7	3220.8	3270.8	3295.2	3319.5	3327.7	3335.9	3336.8
15°	3088.7	3146.8	3204.9	3236.3	3267.8	3268.7	3269.6	3260.9	3252.1	3241.9
17.5°	3118.3	3157.5	3196.8	3197.4	3197.9	3162.7	3127.4	3095.1	3062.7	3039.9
20°	3150.9	3164.6	3178.3	3137.0	3095.6	3017.8	2940.0	2883.3	2826.6	2791.8
22.5°	3188.8	3170.8	3152.9	3067.2	2981.6	2867.1	2752.6	2681.8	2610.9	2572.4
25°	3237.5	3180.9	3124.4	2994.3	2864.2	2725.2	2586.2	2511.7	2437.3	2400.9
27.5°	3303.7	3202.5	3101.3	2929.0	2756.8	2602.7	2448.6	2375.3	2302.1	2267.7
30°	3392.9	3242.1	3091.3	2879.2	2667.1	2506.6	2346.1	2278.1	2210.1	2178.1
32.5°	3498.2	3291.7	3085.2	2845.3	2605.3	2454.5	2303.6	2250.2	2196.8	2173.7
35°	3626.2	3373.4	3120.7	2870.7	2620.7	2515.9	2411.2	2398.8	2386.3	2384.4
37.5°	3841.7	3544.3	3246.9	3019.7	2792.5	2785.7	2778.9	2835.9	2892.8	2922.4
40°	4167.3	3843.9	3520.4	3351.5	3182.5	3301.8	3421.0	3559.4	3697.9	3766.8
42.5°	4599.0	4278.2	3957.3	3860.0	3762.6	4022.7	4282.9	4534.6	4786.4	4934.2
45°	5132.2	4844.0	4555.7	4512.8	4469.8	4886.5	5303.3	5717.0	6130.8	6381.9
47.5°	5799.1	5518.7	5238.2	5229.5	5220.8	5822.0	6423.0	7028.6	7634.2	7989.8
50°	6673.1	6326.7	5980.4	5981.9	5983.4	6758.1	7532.9	8332.3	9131.7	9615.1
52.5°	7676.4	7257.0	6837.6	6795.2	6752.7	7678.2	8603.7	9592.8	10581.8	11161.1
55°	8744.5	8330.2	7915.8	7750.5	7585.2	8615.2	9645.1	10824.2	12003.4	12692.4
57.5°	9716.1	9490.4	9264.7	8933.1	8601.6	9641.6	10681.7	12017.2	13352.7	14207.1
60°	10303.2	10653.7	11004.3	10592.5	10180.7	11165.0	12149.2	13579.1	15009.1	15932.6
62.5°	10005.1	10962.7	11920.4	11874.0	11827.5	12729.2	13630.9	14991.3	16351.7	17205.3
65°	9408.3	10307.1	11206.0	11383.8	11561.6	12707.4	13853.3	15172.5	16491.6	17218.3
67.5°	8608.7	9463.6	10318.5	10401.9	10485.2	11679.0	12872.8	14197.7	15522.5	16091.9
70°	7648.1	8577.9	9507.8	9545.1	9582.4	10650.1	11717.6	12857.7	13997.8	14314.2
72.5°	6503.3	7570.4	8637.5	8664.3	8691.0	9526.3	10361.6	11215.5	12069.3	12101.3
75°	5055.2	6159.6	7263.9	7363.1	7462.2	8112.1	8761.9	9363.1	9964.2	9803.1
77.5°	3611.9	4642.7	5673.7	5815.6	5957.5	6451.5	6945.6	7371.9	7798.3	7521.4
80°	2363.9	3231.3	4098.5	4274.9	4451.2	4824.3	5197.3	5421.2	5645.0	5199.7
82.5°	1374.1	1967.1	2560.1	2757.1	2954.2	3211.0	3467.8	3561.2	3654.5	3304.6
85°	604.6	919.3	1234.0	1401.6	1569.1	1780.2	1991.1	2044.1	2097.1	1816.8
87.5°	187.2	292.9	398.7	492.2	585.7	691.2	796.7	801.2	805.7	676.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
2268.6	0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2508.0	2.5°	2504.1	2500.2	2492.3	2484.5	2471.4	2458.2	2448.9	2439.7	2421.0	2402.2
2808.2	5°	2797.6	2787.0	2769.6	2752.2	2720.1	2688.0	2655.7	2623.4	2582.0	2540.7
3095.2	7.5°	3079.9	3064.5	3036.0	3007.5	2960.3	2913.0	2860.5	2807.9	2739.7	2671.5
3281.5	10°	3266.6	3251.6	3218.2	3184.6	3129.1	3073.7	3011.5	2949.4	2863.1	2776.8
3335.9	12.5°	3327.7	3319.5	3295.2	3270.8	3220.8	3170.7	3103.4	3036.0	2941.2	2846.5
3252.1	15°	3260.9	3269.6	3268.7	3267.8	3236.3	3204.9	3146.8	3088.7	2989.9	2891.1
3062.7	17.5°	3095.1	3127.4	3162.7	3197.9	3197.4	3196.8	3157.5	3118.3	3018.1	2917.9
2826.6	20°	2883.3	2940.0	3017.8	3095.6	3137.0	3178.3	3164.6	3150.9	3046.8	2942.6
2610.9	22.5°	2681.8	2752.6	2867.1	2981.6	3067.2	3152.9	3170.8	3188.8	3082.4	2975.9
2437.3	25°	2511.7	2586.2	2725.2	2864.2	2994.3	3124.4	3180.9	3237.5	3133.2	3029.0
2302.1	27.5°	2375.3	2448.6	2602.7	2756.8	2929.0	3101.3	3202.5	3303.7	3204.3	3104.8
2210.1	30°	2278.1	2346.1	2506.6	2667.1	2879.2	3091.3	3242.1	3392.9	3296.8	3200.8
2196.8	32.5°	2250.2	2303.6	2454.5	2605.3	2845.3	3085.2	3291.7	3498.2	3403.1	3308.0
2386.3	35°	2398.8	2411.2	2515.9	2620.7	2870.7	3120.7	3373.4	3626.2	3535.2	3444.0
2892.8	37.5°	2835.9	2778.9	2785.7	2792.5	3019.7	3246.9	3544.3	3841.7	3725.5	3609.4
3697.9	40°	3559.4	3421.0	3301.8	3182.5	3351.5	3520.4	3843.9	4167.3	3998.0	3828.8
4786.4	42.5°	4534.6	4282.9	4022.7	3762.6	3860.0	3957.3	4278.2	4599.0	4354.8	4110.5
6130.8	45°	5717.0	5303.3	4886.5	4469.8	4512.8	4555.7	4844.0	5132.2	4802.7	4473.2
7634.2	47.5°	7028.6	6423.0	5822.0	5220.8	5229.5	5238.2	5518.7	5799.1	5335.3	4871.5
9131.7	50°	8332.3	7532.9	6758.1	5983.4	5981.9	5980.4	6326.7	6673.1	5974.0	5274.8
10581.8	52.5°	9592.8	8603.7	7678.2	6752.7	6795.2	6837.6	7257.0	7676.4	6644.8	5613.2
12003.4	55°	10824.2	9645.1	8615.2	7585.2	7750.5	7915.8	8330.2	8744.5	7239.6	5734.7
13352.7	57.5°	12017.2	10681.7	9641.6	8601.6	8933.1	9264.7	9490.4	9716.1	7661.1	5606.1
15009.1	60°	13579.1	12149.2	11165.0	10180.7	10592.5	11004.3	10653.7	10303.2	7766.4	5229.5
16351.7	62.5°	14991.3	13630.9	12729.2	11827.5	11874.0	11920.4	10962.7	10005.1	7322.9	4640.7
16491.6	65°	15172.5	13853.3	12707.4	11561.6	11383.8	11206.0	10307.1	9408.3	6695.3	3982.3
15522.5	67.5°	14197.7	12872.8	11679.0	10485.2	10401.9	10318.5	9463.6	8608.7	5948.5	3288.2
13997.8	70°	12857.7	11717.6	10650.1	9582.4	9545.1	9507.8	8577.9	7648.1	5133.6	2619.0
12069.3	72.5°	11215.5	10361.6	9526.3	8691.0	8664.3	8637.5	7570.4	6503.3	4250.1	1997.0
9964.2	75°	9363.1	8761.9	8112.1	7462.2	7363.1	7263.9	6159.6	5055.2	3237.4	1419.7
7798.3	77.5°	7371.9	6945.6	6451.5	5957.5	5815.6	5673.7	4642.7	3611.9	2265.9	920.0
5645.0	80°	5421.2	5197.3	4824.3	4451.2	4274.9	4098.5	3231.3	2363.9	1459.9	555.8
3654.5	82.5°	3561.2	3467.8	3211.0	2954.2	2757.1	2560.1	1967.1	1374.1	844.9	315.8
2097.1	85°	2044.1	1991.1	1780.2	1569.1	1401.6	1234.0	919.3	604.6	380.1	155.7
805.7	87.5°	801.2	796.7	691.2	585.7	492.2	398.7	292.9	187.2	124.5	61.8
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: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
2268.6	0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2382.3	2.5°	2362.5	2342.4	2322.4	2303.3	2284.1	2265.6	2244.9	2228.2	2211.6	2196.5
2499.4	5°	2458.2	2416.7	2375.3	2336.5	2297.8	2261.2	2225.1	2193.6	2162.0	2135.5
2608.5	7.5°	2545.4	2484.1	2422.7	2368.6	2314.6	2264.7	2218.0	2176.0	2134.1	2099.3
2693.5	10°	2610.3	2535.8	2461.2	2397.3	2333.2	2271.7	2221.4	2177.2	2133.0	2098.2
2752.1	12.5°	2657.7	2569.8	2481.9	2409.6	2337.2	2272.5	2225.8	2189.6	2153.5	2130.4
2788.7	15°	2686.3	2585.1	2483.8	2400.1	2316.3	2244.7	2207.2	2189.9	2172.7	2175.8
2806.2	17.5°	2694.5	2577.0	2459.4	2358.7	2258.0	2173.7	2150.7	2157.0	2163.3	2201.2
2819.8	20°	2697.1	2554.7	2412.3	2287.4	2162.6	2064.5	2058.4	2088.0	2117.6	2183.5
2838.3	22.5°	2700.6	2527.3	2354.1	2203.8	2053.4	1941.7	1953.7	1997.4	2041.2	2116.4
2871.7	25°	2714.3	2500.4	2286.5	2110.4	1934.3	1819.9	1852.1	1902.6	1953.0	2020.7
2924.0	27.5°	2743.1	2482.3	2221.6	2025.0	1828.3	1724.1	1763.3	1812.0	1860.8	1916.4
2991.6	30°	2782.4	2473.9	2165.2	1953.6	1741.9	1654.5	1685.2	1723.8	1762.7	1808.8
3062.2	32.5°	2816.4	2463.4	2110.4	1892.0	1673.6	1603.1	1616.8	1639.7	1662.5	1699.4
3142.6	35°	2841.3	2443.8	2046.5	1831.5	1616.6	1557.8	1552.2	1558.4	1564.8	1592.9
3232.7	37.5°	2856.1	2410.1	1964.1	1760.3	1556.5	1505.2	1484.4	1477.5	1470.5	1490.7
3347.1	40°	2865.4	2363.7	1862.1	1675.3	1488.6	1442.0	1410.3	1394.5	1378.8	1393.3
3496.8	42.5°	2883.0	2315.8	1748.7	1581.6	1414.4	1371.5	1331.5	1310.6	1289.7	1301.5
3693.7	45°	2914.1	2271.3	1628.6	1482.0	1335.4	1291.9	1253.1	1232.8	1212.5	1222.4
3903.5	47.5°	2935.4	2234.6	1533.7	1403.2	1272.7	1216.6	1183.2	1166.2	1149.1	1158.5
4098.1	50°	2921.5	2194.5	1467.5	1350.9	1234.2	1160.4	1121.7	1106.5	1091.5	1106.1
4224.5	52.5°	2835.8	2126.9	1418.1	1316.4	1214.8	1130.0	1075.8	1060.8	1045.9	1068.0
4196.7	55°	2658.6	2014.8	1370.9	1291.4	1212.0	1133.0	1051.4	1027.8	1004.2	1035.4
4000.6	57.5°	2395.3	1856.7	1318.0	1261.8	1205.7	1136.0	1036.8	1002.3	967.9	1001.5
3635.8	60°	2042.1	1651.4	1260.7	1216.6	1172.4	1126.5	1023.1	978.4	933.6	963.2
3142.5	62.5°	1644.3	1405.7	1167.2	1137.9	1108.6	1103.0	1007.0	951.1	895.3	914.1
2639.1	65°	1296.1	1184.7	1073.4	1059.5	1045.7	1046.4	973.3	913.9	854.4	861.7
2146.0	67.5°	1003.9	972.3	940.6	948.4	956.0	954.1	913.0	863.6	814.1	811.9
1689.7	70°	760.4	769.5	778.4	814.3	850.1	850.1	836.6	801.4	766.2	758.4
1291.8	72.5°	586.6	613.8	641.1	692.0	742.7	751.3	751.4	727.3	703.2	691.7
937.6	75°	455.5	480.2	504.9	561.8	618.8	658.1	654.8	636.3	617.6	606.7
635.3	77.5°	350.7	367.5	384.3	439.6	494.9	559.8	558.0	543.1	528.2	517.1
409.3	80°	262.9	269.9	276.8	323.7	370.4	447.9	447.6	435.2	422.6	413.3
251.8	82.5°	187.9	189.1	190.5	224.9	259.4	325.6	329.2	323.1	317.0	310.4
134.6	85°	113.6	113.0	112.3	137.5	162.8	212.0	216.8	210.2	203.7	196.3
55.8	87.5°	49.8	49.2	48.6	58.8	69.2	89.7	95.8	93.1	90.5	89.1
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: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
2268.6	0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2181.6	2.5°	2168.4	2155.3	2142.0	2128.9	2118.7	2108.4	2100.2	2091.9	2085.5	2079.0
2109.1	5°	2085.8	2062.5	2041.3	2020.1	2003.8	1987.4	1976.0	1964.6	1956.5	1948.4
2064.5	7.5°	2035.1	2005.7	1979.8	1953.9	1934.5	1915.2	1901.6	1888.0	1878.7	1869.5
2063.3	10°	2031.7	2000.1	1970.9	1941.7	1918.6	1895.3	1880.2	1864.9	1856.1	1847.3
2107.4	12.5°	2082.5	2057.8	2027.6	1997.4	1967.8	1938.2	1918.7	1899.1	1889.2	1879.5
2179.0	15°	2172.5	2166.1	2139.9	2113.7	2071.5	2029.4	1999.6	1969.8	1956.2	1942.6
2239.2	17.5°	2259.4	2279.5	2258.3	2237.3	2181.5	2125.7	2081.8	2037.9	2017.7	1997.4
2249.5	20°	2291.7	2333.9	2324.2	2314.3	2250.5	2186.8	2133.0	2079.3	2053.4	2027.5
2191.8	22.5°	2246.8	2301.7	2307.6	2313.4	2252.5	2191.6	2136.2	2080.8	2053.5	2026.2
2088.4	25°	2142.5	2196.5	2216.7	2236.8	2186.9	2137.0	2087.7	2038.6	2014.9	1991.4
1971.9	27.5°	2015.3	2058.6	2081.1	2103.7	2068.0	2032.5	1994.3	1956.1	1940.3	1924.3
1854.9	30°	1890.9	1926.9	1945.2	1963.5	1936.4	1909.3	1881.9	1854.4	1846.3	1838.1
1736.3	32.5°	1770.8	1805.3	1825.6	1846.0	1821.1	1796.1	1774.2	1752.4	1747.1	1741.8
1620.9	35°	1655.1	1689.3	1713.7	1738.0	1720.3	1702.6	1682.4	1662.3	1654.2	1646.2
1510.8	37.5°	1544.9	1579.0	1609.1	1639.2	1631.0	1622.9	1604.3	1585.7	1571.0	1556.3
1407.8	40°	1440.7	1473.6	1508.3	1543.0	1545.0	1546.9	1531.2	1515.4	1494.0	1472.8
1313.5	42.5°	1344.6	1375.9	1413.3	1450.7	1460.8	1470.8	1457.5	1444.2	1417.7	1391.1
1232.5	45°	1262.1	1291.7	1330.5	1369.4	1383.7	1398.1	1386.1	1374.1	1343.8	1313.5
1167.8	47.5°	1196.8	1225.7	1264.0	1302.3	1318.9	1335.4	1327.0	1318.7	1291.7	1264.7
1120.8	50°	1148.2	1175.4	1209.7	1244.0	1265.2	1286.5	1286.0	1285.6	1264.0	1242.4
1089.9	52.5°	1115.0	1140.0	1171.9	1204.0	1229.1	1254.3	1258.8	1263.3	1245.7	1228.2
1066.6	55°	1093.6	1120.6	1148.6	1176.5	1203.2	1229.9	1236.2	1242.4	1227.1	1211.8
1035.1	57.5°	1066.8	1098.4	1126.1	1153.9	1180.8	1207.6	1214.0	1220.3	1204.8	1189.3
992.6	60°	1029.0	1065.4	1093.5	1121.7	1148.7	1175.7	1182.6	1189.6	1174.4	1159.4
932.8	62.5°	975.2	1017.7	1047.7	1077.7	1102.4	1127.2	1133.9	1140.6	1126.9	1113.2
868.8	65°	914.2	959.8	988.5	1017.2	1039.0	1060.7	1067.6	1074.4	1061.3	1048.1
809.6	67.5°	851.6	893.6	920.9	948.0	966.8	985.6	992.3	998.9	986.8	974.8
750.6	70°	787.5	824.4	847.9	871.4	888.4	905.4	911.8	918.2	908.4	898.6
680.3	72.5°	709.4	738.4	759.6	780.9	797.5	814.1	821.8	829.4	821.3	813.1
595.6	75°	617.2	638.8	658.0	677.3	692.4	707.6	715.6	723.6	719.6	715.6
506.0	77.5°	523.5	541.0	557.6	574.1	590.0	605.9	613.4	620.9	615.3	609.5
403.9	80°	418.6	433.1	447.0	460.9	473.0	485.1	495.0	504.9	502.5	500.1
303.8	82.5°	302.6	301.4	296.5	291.6	317.4	343.2	360.1	376.9	375.9	374.8
188.9	85°	182.6	176.3	162.8	149.3	173.4	197.6	218.5	239.4	237.7	235.9
87.8	87.5°	87.5	87.2	77.0	66.6	76.7	86.9	95.3	103.8	101.7	99.4
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: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
2268.6	0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2073.1	2.5°	2067.1	2059.7	2067.1	2073.1	2079.0	2085.5	2091.9	2100.2	2108.4	2118.7
1942.3	5°	1936.1	1930.0	1936.1	1942.3	1948.4	1956.5	1964.6	1976.0	1987.4	2003.8
1863.9	7.5°	1858.4	1854.2	1858.4	1863.9	1869.5	1878.7	1888.0	1901.6	1915.2	1934.5
1842.6	10°	1837.9	1836.0	1837.9	1842.6	1847.3	1856.1	1864.9	1880.2	1895.3	1918.6
1875.5	12.5°	1871.5	1870.8	1871.5	1875.5	1879.5	1889.2	1899.1	1918.7	1938.2	1967.8
1937.4	15°	1932.2	1931.7	1932.2	1937.4	1942.6	1956.2	1969.8	1999.6	2029.4	2071.5
1990.8	17.5°	1984.1	1983.1	1984.1	1990.8	1997.4	2017.7	2037.9	2081.8	2125.7	2181.5
2019.2	20°	2010.9	2008.3	2010.9	2019.2	2027.5	2053.4	2079.3	2133.0	2186.8	2250.5
2017.0	22.5°	2007.9	2004.0	2007.9	2017.0	2026.2	2053.5	2080.8	2136.2	2191.6	2252.5
1982.7	25°	1974.2	1969.2	1974.2	1982.7	1991.4	2014.9	2038.6	2087.7	2137.0	2186.9
1920.4	27.5°	1916.5	1915.2	1916.5	1920.4	1924.3	1940.3	1956.1	1994.3	2032.5	2068.0
1838.1	30°	1838.1	1839.4	1838.1	1838.1	1838.1	1846.3	1854.4	1881.9	1909.3	1936.4
1742.5	32.5°	1743.2	1744.6	1743.2	1742.5	1741.8	1747.1	1752.4	1774.2	1796.1	1821.1
1644.4	35°	1642.7	1641.8	1642.7	1644.4	1646.2	1654.2	1662.3	1682.4	1702.6	1720.3
1548.6	37.5°	1540.8	1536.5	1540.8	1548.6	1556.3	1571.0	1585.7	1604.3	1622.9	1631.0
1458.3	40°	1444.0	1435.5	1444.0	1458.3	1472.8	1494.0	1515.4	1531.2	1546.9	1545.0
1370.1	42.5°	1349.2	1335.4	1349.2	1370.1	1391.1	1417.7	1444.2	1457.5	1470.8	1460.8
1288.8	45°	1264.2	1248.3	1264.2	1288.8	1313.5	1343.8	1374.1	1386.1	1398.1	1383.7
1241.9	47.5°	1219.2	1204.0	1219.2	1241.9	1264.7	1291.7	1318.7	1327.0	1335.4	1318.9
1221.4	50°	1200.3	1185.7	1200.3	1221.4	1242.4	1264.0	1285.6	1286.0	1286.5	1265.2
1209.3	52.5°	1190.5	1177.0	1190.5	1209.3	1228.2	1245.7	1263.3	1258.8	1254.3	1229.1
1195.2	55°	1178.7	1166.5	1178.7	1195.2	1211.8	1227.1	1242.4	1236.2	1229.9	1203.2
1173.0	57.5°	1156.5	1143.9	1156.5	1173.0	1189.3	1204.8	1220.3	1214.0	1207.6	1180.8
1142.5	60°	1125.6	1112.5	1125.6	1142.5	1159.4	1174.4	1189.6	1182.6	1175.7	1148.7
1095.5	62.5°	1077.7	1062.1	1077.7	1095.5	1113.2	1126.9	1140.6	1133.9	1127.2	1102.4
1030.9	65°	1013.7	1000.2	1013.7	1030.9	1048.1	1061.3	1074.4	1067.6	1060.7	1039.0
958.8	67.5°	942.8	930.6	942.8	958.8	974.8	986.8	998.9	992.3	985.6	966.8
883.2	70°	867.9	854.0	867.9	883.2	898.6	908.4	918.2	911.8	905.4	888.4
798.5	72.5°	783.9	770.4	783.9	798.5	813.1	821.3	829.4	821.8	814.1	797.5
703.3	75°	691.0	678.1	691.0	703.3	715.6	719.6	723.6	715.6	707.6	692.4
597.2	77.5°	584.8	574.6	584.8	597.2	609.5	615.3	620.9	613.4	605.9	590.0
483.5	80°	466.8	447.5	466.8	483.5	500.1	502.5	504.9	495.0	485.1	473.0
360.8	82.5°	346.6	334.3	346.6	360.8	374.8	375.9	376.9	360.1	343.2	317.4
224.9	85°	214.0	202.8	214.0	224.9	235.9	237.7	239.4	218.5	197.6	173.4
93.8	87.5°	88.1	82.7	88.1	93.8	99.4	101.7	103.8	95.3	86.9	76.7
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: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
2268.6	0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2128.9	2.5°	2142.0	2155.3	2168.4	2181.6	2196.5	2211.6	2228.2	2244.9	2265.6	2284.1
2020.1	5°	2041.3	2062.5	2085.8	2109.1	2135.5	2162.0	2193.6	2225.1	2261.2	2297.8
1953.9	7.5°	1979.8	2005.7	2035.1	2064.5	2099.3	2134.1	2176.0	2218.0	2264.7	2314.6
1941.7	10°	1970.9	2000.1	2031.7	2063.3	2098.2	2133.0	2177.2	2221.4	2271.7	2333.2
1997.4	12.5°	2027.6	2057.8	2082.5	2107.4	2130.4	2153.5	2189.6	2225.8	2272.5	2337.2
2113.7	15°	2139.9	2166.1	2172.5	2179.0	2175.8	2172.7	2189.9	2207.2	2244.7	2316.3
2237.3	17.5°	2258.3	2279.5	2259.4	2239.2	2201.2	2163.3	2157.0	2150.7	2173.7	2258.0
2314.3	20°	2324.2	2333.9	2291.7	2249.5	2183.5	2117.6	2088.0	2058.4	2064.5	2162.6
2313.4	22.5°	2307.6	2301.7	2246.8	2191.8	2116.4	2041.2	1997.4	1953.7	1941.7	2053.4
2236.8	25°	2216.7	2196.5	2142.5	2088.4	2020.7	1953.0	1902.6	1852.1	1819.9	1934.3
2103.7	27.5°	2081.1	2058.6	2015.3	1971.9	1916.4	1860.8	1812.0	1763.3	1724.1	1828.3
1963.5	30°	1945.2	1926.9	1890.9	1854.9	1808.8	1762.7	1723.8	1685.2	1654.5	1741.9
1846.0	32.5°	1825.6	1805.3	1770.8	1736.3	1699.4	1662.5	1639.7	1616.8	1603.1	1673.6
1738.0	35°	1713.7	1689.3	1655.1	1620.9	1592.9	1564.8	1558.4	1552.2	1557.8	1616.6
1639.2	37.5°	1609.1	1579.0	1544.9	1510.8	1490.7	1470.5	1477.5	1484.4	1505.2	1556.5
1543.0	40°	1508.3	1473.6	1440.7	1407.8	1393.3	1378.8	1394.5	1410.3	1442.0	1488.6
1450.7	42.5°	1413.3	1375.9	1344.6	1313.5	1301.5	1289.7	1310.6	1331.5	1371.5	1414.4
1369.4	45°	1330.5	1291.7	1262.1	1232.5	1222.4	1212.5	1232.8	1253.1	1291.9	1335.4
1302.3	47.5°	1264.0	1225.7	1196.8	1167.8	1158.5	1149.1	1166.2	1183.2	1216.6	1272.7
1244.0	50°	1209.7	1175.4	1148.2	1120.8	1106.1	1091.5	1106.5	1121.7	1160.4	1234.2
1204.0	52.5°	1171.9	1140.0	1115.0	1089.9	1068.0	1045.9	1060.8	1075.8	1130.0	1214.8
1176.5	55°	1148.6	1120.6	1093.6	1066.6	1035.4	1004.2	1027.8	1051.4	1133.0	1212.0
1153.9	57.5°	1126.1	1098.4	1066.8	1035.1	1001.5	967.9	1002.3	1036.8	1136.0	1205.7
1121.7	60°	1093.5	1065.4	1029.0	992.6	963.2	933.6	978.4	1023.1	1126.5	1172.4
1077.7	62.5°	1047.7	1017.7	975.2	932.8	914.1	895.3	951.1	1007.0	1103.0	1108.6
1017.2	65°	988.5	959.8	914.2	868.8	861.7	854.4	913.9	973.3	1046.4	1045.7
948.0	67.5°	920.9	893.6	851.6	809.6	811.9	814.1	863.6	913.0	954.1	956.0
871.4	70°	847.9	824.4	787.5	750.6	758.4	766.2	801.4	836.6	850.1	850.1
780.9	72.5°	759.6	738.4	709.4	680.3	691.7	703.2	727.3	751.4	751.3	742.7
677.3	75°	658.0	638.8	617.2	595.6	606.7	617.6	636.3	654.8	658.1	618.8
574.1	77.5°	557.6	541.0	523.5	506.0	517.1	528.2	543.1	558.0	559.8	494.9
460.9	80°	447.0	433.1	418.6	403.9	413.3	422.6	435.2	447.6	447.9	370.4
291.6	82.5°	296.5	301.4	302.6	303.8	310.4	317.0	323.1	329.2	325.6	259.4
149.3	85°	162.8	176.3	182.6	188.9	196.3	203.7	210.2	216.8	212.0	162.8
66.6	87.5°	77.0	87.2	87.5	87.8	89.1	90.5	93.1	95.8	89.7	69.2
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: P952232
 CATALOG NUMBER: GALN-SB6A-927-U-SLL

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
2268.6	0°	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6	2268.6
2303.3	2.5°	2322.4	2342.4	2362.5	2382.3	2402.2	2421.0	2439.7
2336.5	5°	2375.3	2416.7	2458.2	2499.4	2540.7	2582.0	2623.4
2368.6	7.5°	2422.7	2484.1	2545.4	2608.5	2671.5	2739.7	2807.9
2397.3	10°	2461.2	2535.8	2610.3	2693.5	2776.8	2863.1	2949.4
2409.6	12.5°	2481.9	2569.8	2657.7	2752.1	2846.5	2941.2	3036.0
2400.1	15°	2483.8	2585.1	2686.3	2788.7	2891.1	2989.9	3088.7
2358.7	17.5°	2459.4	2577.0	2694.5	2806.2	2917.9	3018.1	3118.3
2287.4	20°	2412.3	2554.7	2697.1	2819.8	2942.6	3046.8	3150.9
2203.8	22.5°	2354.1	2527.3	2700.6	2838.3	2975.9	3082.4	3188.8
2110.4	25°	2286.5	2500.4	2714.3	2871.7	3029.0	3133.2	3237.5
2025.0	27.5°	2221.6	2482.3	2743.1	2924.0	3104.8	3204.3	3303.7
1953.6	30°	2165.2	2473.9	2782.4	2991.6	3200.8	3296.8	3392.9
1892.0	32.5°	2110.4	2463.4	2816.4	3062.2	3308.0	3403.1	3498.2
1831.5	35°	2046.5	2443.8	2841.3	3142.6	3444.0	3535.2	3626.2
1760.3	37.5°	1964.1	2410.1	2856.1	3232.7	3609.4	3725.5	3841.7
1675.3	40°	1862.1	2363.7	2865.4	3347.1	3828.8	3998.0	4167.3
1581.6	42.5°	1748.7	2315.8	2883.0	3496.8	4110.5	4354.8	4599.0
1482.0	45°	1628.6	2271.3	2914.1	3693.7	4473.2	4802.7	5132.2
1403.2	47.5°	1533.7	2234.6	2935.4	3903.5	4871.5	5335.3	5799.1
1350.9	50°	1467.5	2194.5	2921.5	4098.1	5274.8	5974.0	6673.1
1316.4	52.5°	1418.1	2126.9	2835.8	4224.5	5613.2	6644.8	7676.4
1291.4	55°	1370.9	2014.8	2658.6	4196.7	5734.7	7239.6	8744.5
1261.8	57.5°	1318.0	1856.7	2395.3	4000.6	5606.1	7661.1	9716.1
1216.6	60°	1260.7	1651.4	2042.1	3635.8	5229.5	7766.4	10303.2
1137.9	62.5°	1167.2	1405.7	1644.3	3142.5	4640.7	7322.9	10005.1
1059.5	65°	1073.4	1184.7	1296.1	2639.1	3982.3	6695.3	9408.3
948.4	67.5°	940.6	972.3	1003.9	2146.0	3288.2	5948.5	8608.7
814.3	70°	778.4	769.5	760.4	1689.7	2619.0	5133.6	7648.1
692.0	72.5°	641.1	613.8	586.6	1291.8	1997.0	4250.1	6503.3
561.8	75°	504.9	480.2	455.5	937.6	1419.7	3237.4	5055.2
439.6	77.5°	384.3	367.5	350.7	635.3	920.0	2265.9	3611.9
323.7	80°	276.8	269.9	262.9	409.3	555.8	1459.9	2363.9
224.9	82.5°	190.5	189.1	187.9	251.8	315.8	844.9	1374.1
137.5	85°	112.3	113.0	113.6	134.6	155.7	380.1	604.6
58.8	87.5°	48.6	49.2	49.8	55.8	61.8	124.5	187.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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