

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: P954922

Luminaire Tested: **GALN-SB8A-740-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954922
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-SB8A-740-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38238 lumens
Efficiency: N/A
Efficacy: 168.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

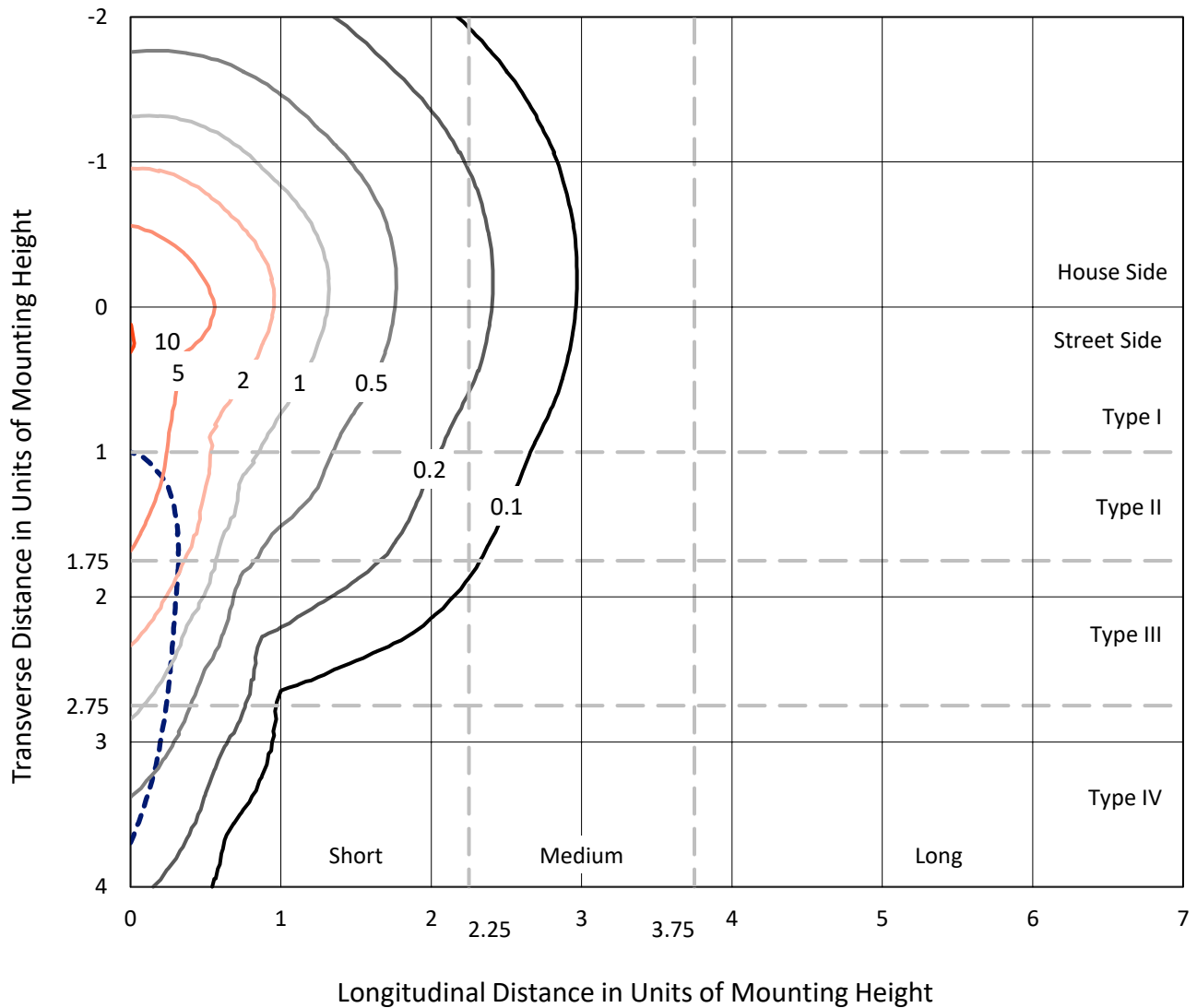
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

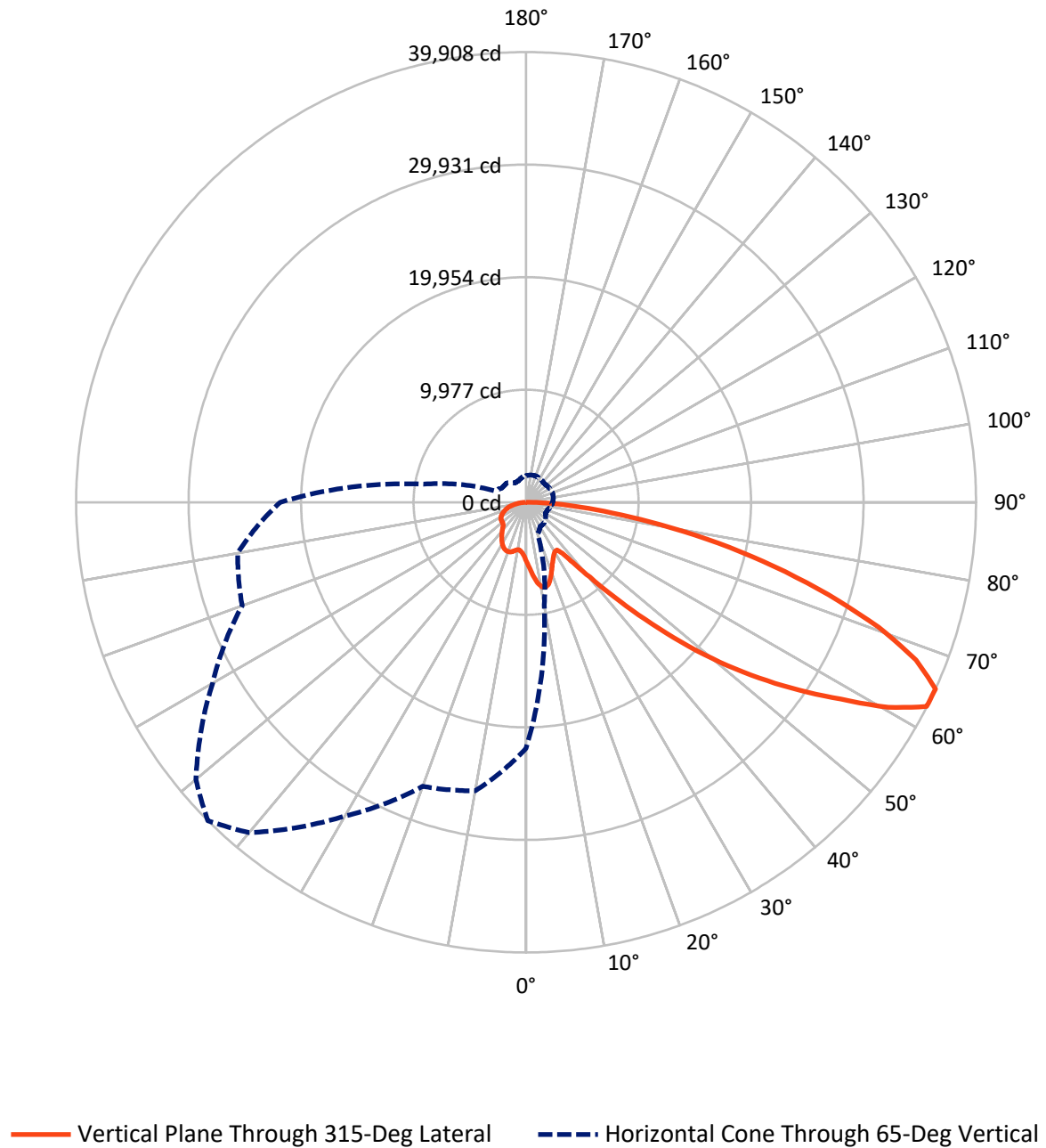
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P954922
CATALOG NUMBER: GALN-SB8A-740-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P954922

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9718.2	0.0	9718.2
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	28519.8	0.0	28519.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	38238.0	0.0	38238.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.6	1.4
10°-20°	1637.4	4.3
20°-30°	2529.2	6.6
30°-40°	3205.1	8.4
40°-50°	4834.2	12.6
50°-60°	7810.3	20.4
60°-70°	9736.8	25.5
70°-80°	6384.9	16.7
80°-90°	1578.5	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°	38238.0	100.0
0°-180°	38238.0	100.0

Coefficient of Utilization



REPORT NUMBER: P954922

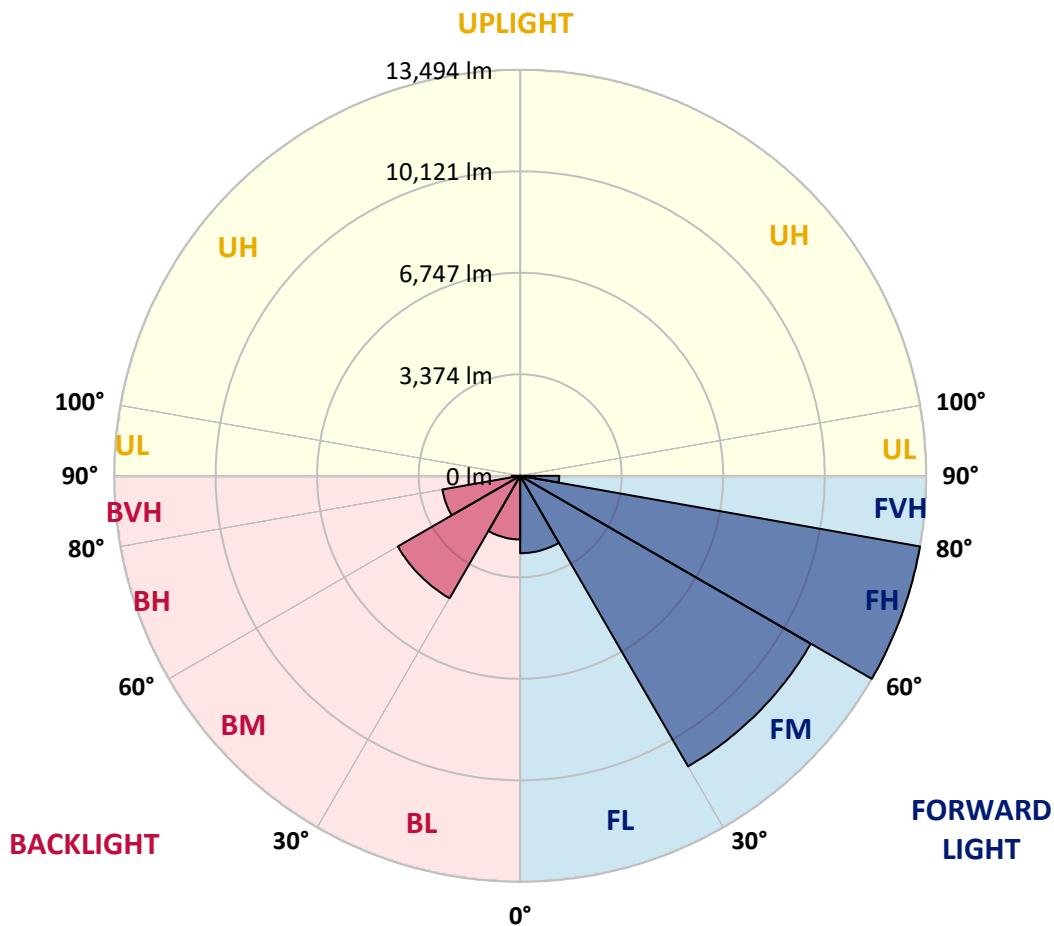
CATALOG NUMBER: GALN-SB8A-740-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2571.9	6.7			
FM (30°-60°)	11153.2	29.2			
FH (60°-80°)	13494.3	35.3			G5
FVH (80°-90°)	1300.3	3.4			G5
BL (0°-30°)	2116.3	5.5	B3/2500		
BM (30°-60°)	4696.4	12.3	B3/5000		
BH (60°-80°)	2627.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	278.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short



REPORT NUMBER: P954922

CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
2.5°	5654.5	5611.1	5567.8	5521.6	5475.6	5429.2	5382.7	5338.4	5294.0	5251.0
5°	6080.3	5984.4	5888.6	5792.9	5697.5	5601.3	5505.2	5415.4	5325.6	5240.9
7.5°	6508.0	6349.8	6191.8	6045.8	5899.7	5757.4	5615.2	5489.9	5364.6	5249.0
10°	6835.9	6635.9	6436.0	6242.9	6050.0	5877.3	5704.4	5556.3	5407.8	5265.1
12.5°	7036.6	6816.9	6597.4	6378.7	6160.0	5956.2	5752.4	5584.7	5417.0	5267.1
15°	7158.7	6929.7	6700.7	6463.4	6226.1	5991.5	5756.8	5562.7	5368.6	5202.6
17.5°	7227.3	6995.1	6762.8	6504.0	6245.1	5972.7	5700.3	5466.9	5233.4	5038.1
20°	7303.0	7061.7	6820.1	6535.6	6251.2	5921.1	5591.0	5301.6	5012.3	4784.9
22.5°	7390.7	7144.2	6897.4	6578.4	6259.2	5857.7	5456.2	5107.7	4759.3	4500.4
25°	7503.7	7262.0	7020.5	6655.9	6291.1	5795.2	5299.4	4891.2	4483.3	4217.9
27.5°	7657.1	7426.6	7196.0	6777.0	6357.7	5753.4	5149.1	4693.3	4237.5	3996.0
30°	7863.9	7641.1	7418.6	6933.7	6448.9	5733.8	5018.4	4527.9	4037.4	3834.6
32.5°	8108.0	7887.5	7667.2	7097.4	6527.6	5709.6	4891.2	4385.2	3879.0	3715.5
35°	8404.6	8193.6	7982.3	7283.8	6585.3	5664.0	4743.1	4245.0	3746.8	3610.6
37.5°	8904.0	8634.8	8365.7	7492.6	6619.6	5585.9	4552.3	4079.9	3607.6	3488.6
40°	9658.6	9266.4	8874.1	7757.7	6641.2	5478.4	4315.8	3883.0	3450.2	3342.3
42.5°	10659.4	10093.2	9527.0	8104.6	6682.1	5367.4	4053.1	3665.7	3278.3	3178.8
45°	11895.2	11131.5	10367.8	8561.0	6754.2	5264.3	3774.7	3434.9	3095.1	2994.2
47.5°	13440.7	12365.9	11290.9	9047.2	6803.6	5179.2	3554.7	3252.3	2949.8	2819.7
50°	15466.5	13846.1	12225.5	9498.4	6771.3	5086.4	3401.4	3131.0	2860.7	2689.6
52.5°	17791.8	15400.9	13010.0	9791.4	6572.6	4929.6	3286.8	3051.1	2815.7	2618.9
55°	20267.5	16779.4	13291.4	9726.8	6162.0	4669.7	3177.4	2993.2	2809.0	2626.0
57.5°	22519.2	17756.3	12993.4	9272.4	5551.6	4303.3	3054.8	2924.6	2794.5	2633.1
60°	23880.2	18000.5	12120.6	8426.8	4733.1	3827.5	2922.0	2819.7	2717.4	2610.9
62.5°	23189.1	16972.5	10755.8	7283.4	3811.0	3258.1	2705.3	2637.3	2569.5	2556.4
65°	21806.0	15517.9	9229.8	6116.8	3003.9	2745.9	2487.8	2455.7	2423.6	2425.2
67.5°	19952.8	13787.0	7621.2	4974.0	2326.8	2253.5	2180.1	2198.1	2215.8	2211.4
70°	17726.3	11898.2	6070.2	3916.3	1762.4	1783.4	1804.2	1887.3	1970.3	1970.3
72.5°	15073.0	9850.7	4628.5	2994.0	1359.5	1422.7	1486.0	1603.8	1721.5	1741.3
75°	11716.6	7503.5	3290.4	2173.0	1055.6	1112.9	1170.3	1302.2	1434.2	1525.4
77.5°	8371.3	5251.8	2132.3	1472.5	812.7	851.7	890.8	1018.9	1147.0	1297.4
80°	5479.0	3383.6	1288.3	948.7	609.3	625.5	641.6	750.2	858.5	1038.1
82.5°	3184.9	1958.4	732.0	583.5	435.4	438.2	441.5	521.4	601.3	754.6
85°	1401.3	880.9	360.8	311.9	263.3	261.9	260.3	318.8	377.3	491.3
87.5°	433.8	288.5	143.3	129.3	115.4	114.0	112.6	136.4	160.4	207.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
5258.1	0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
5203.2	2.5°	5164.4	5125.9	5091.0	5056.3	5025.8	4995.4	4964.7	4934.2	4910.6	4886.8
5157.2	5°	5084.1	5010.9	4949.6	4888.4	4834.3	4780.3	4731.2	4682.0	4644.3	4606.3
5140.6	7.5°	5043.4	4946.3	4865.6	4784.9	4716.9	4648.7	4588.6	4528.7	4483.7	4438.9
5148.7	10°	5046.2	4943.7	4863.0	4782.3	4709.0	4635.6	4568.0	4500.4	4446.7	4392.9
5158.8	12.5°	5074.8	4991.3	4937.6	4884.4	4826.7	4769.4	4699.4	4629.5	4560.9	4492.3
5115.8	15°	5075.7	5035.7	5043.0	5050.2	5035.3	5020.4	4959.6	4898.9	4801.3	4703.6
4984.7	17.5°	4999.4	5013.9	5101.9	5189.9	5236.7	5283.3	5234.2	5185.4	5056.1	4926.8
4770.8	20°	4839.4	4908.0	5060.7	5213.7	5311.5	5409.4	5386.8	5364.0	5216.1	5068.4
4528.1	22.5°	4629.5	4731.0	4905.4	5080.1	5207.4	5334.7	5348.4	5362.0	5220.7	5079.5
4292.6	25°	4409.6	4526.6	4683.4	4840.4	4965.7	5091.0	5137.8	5184.4	5068.6	4953.0
4086.8	27.5°	4199.8	4312.8	4441.7	4570.4	4670.9	4771.4	4823.4	4875.7	4793.2	4710.9
3905.8	30°	3995.4	4085.4	4192.3	4299.3	4382.6	4466.1	4508.5	4550.9	4488.1	4425.2
3747.2	32.5°	3800.3	3853.4	3938.7	4024.2	4104.1	4184.2	4231.3	4278.5	4220.8	4162.9
3597.5	35°	3612.0	3626.8	3691.9	3756.9	3836.0	3915.3	3971.8	4028.3	3987.1	3946.2
3440.5	37.5°	3424.4	3408.3	3455.1	3501.7	3580.6	3659.7	3729.5	3799.3	3780.3	3761.3
3268.6	40°	3232.1	3195.6	3229.3	3263.0	3339.2	3415.5	3495.8	3576.3	3581.0	3585.4
3086.0	42.5°	3037.6	2989.2	3016.6	3044.3	3116.5	3188.9	3275.7	3362.5	3385.7	3408.9
2904.4	45°	2857.2	2810.2	2833.2	2856.6	2925.2	2993.8	3083.8	3173.8	3207.1	3240.4
2742.4	47.5°	2702.9	2663.3	2685.1	2706.7	2773.9	2840.9	2929.7	3018.4	3056.8	3095.1
2599.8	50°	2564.7	2529.8	2563.7	2597.8	2661.1	2724.3	2803.8	2883.3	2932.5	2981.7
2493.4	52.5°	2458.7	2424.2	2475.3	2526.1	2584.2	2642.1	2716.2	2790.4	2848.8	2907.1
2436.9	55°	2382.1	2327.4	2399.8	2472.1	2534.6	2597.1	2662.1	2726.9	2788.6	2850.6
2403.0	57.5°	2323.1	2243.2	2321.1	2399.0	2472.5	2545.9	2610.1	2674.4	2736.8	2798.9
2371.2	60°	2267.7	2164.0	2232.4	2300.6	2384.9	2469.2	2534.4	2599.8	2662.3	2724.9
2334.0	62.5°	2204.5	2075.2	2118.6	2161.9	2260.2	2358.7	2428.3	2497.9	2555.2	2612.5
2255.8	65°	2118.2	1980.3	1997.1	2013.6	2119.0	2224.5	2291.1	2357.7	2408.1	2458.5
2116.1	67.5°	2001.5	1886.9	1881.7	1876.4	1973.7	2071.1	2134.3	2197.2	2240.8	2284.4
1939.0	70°	1857.5	1776.0	1757.8	1739.6	1825.2	1910.7	1965.2	2019.7	2059.0	2098.4
1741.7	72.5°	1685.8	1629.9	1603.2	1576.8	1644.2	1711.4	1760.6	1809.9	1848.4	1886.9
1517.7	75°	1474.7	1431.5	1406.1	1380.5	1430.5	1480.6	1525.2	1569.7	1604.9	1640.0
1293.3	77.5°	1258.8	1224.3	1198.5	1172.7	1213.4	1254.0	1292.3	1330.7	1367.6	1404.3
1037.5	80°	1008.6	979.6	958.0	936.2	970.1	1003.8	1036.1	1068.4	1096.4	1124.2
763.1	82.5°	749.0	734.8	719.5	704.2	701.3	698.5	687.2	675.9	735.6	795.4
502.4	85°	487.3	472.1	455.0	437.8	423.3	408.6	377.3	346.0	401.9	458.0
221.9	87.5°	215.9	209.8	206.6	203.4	202.8	202.2	178.4	154.4	177.8	201.4
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: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
5258.1	0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
4867.6	2.5°	4848.5	4833.5	4818.6	4804.9	4791.0	4773.8	4791.0	4804.9	4818.6	4833.5
4579.9	5°	4553.5	4534.7	4516.0	4501.6	4487.3	4473.2	4487.3	4501.6	4516.0	4534.7
4407.4	7.5°	4375.9	4354.3	4333.0	4320.0	4307.3	4297.6	4307.3	4320.0	4333.0	4354.3
4357.8	10°	4322.3	4301.9	4281.5	4270.6	4259.7	4255.3	4259.7	4270.6	4281.5	4301.9
4447.0	12.5°	4401.6	4378.8	4356.2	4346.9	4337.6	4336.0	4337.6	4346.9	4356.2	4378.8
4634.6	15°	4565.6	4533.9	4502.4	4490.3	4478.2	4477.2	4478.2	4490.3	4502.4	4533.9
4825.1	17.5°	4723.4	4676.6	4629.5	4614.2	4598.7	4596.3	4598.7	4614.2	4629.5	4676.6
4943.7	20°	4819.2	4759.3	4699.2	4680.0	4660.8	4654.8	4660.8	4680.0	4699.2	4759.3
4951.2	22.5°	4822.6	4759.5	4696.1	4674.9	4653.8	4644.7	4653.8	4674.9	4696.1	4759.5
4838.8	25°	4725.0	4670.1	4615.4	4595.5	4575.7	4564.0	4575.7	4595.5	4615.4	4670.1
4622.3	27.5°	4533.7	4497.0	4460.1	4451.0	4441.9	4438.9	4441.9	4451.0	4460.1	4497.0
4361.8	30°	4298.0	4279.3	4260.3	4260.3	4260.3	4263.3	4260.3	4260.3	4260.3	4279.3
4112.2	32.5°	4061.6	4049.3	4037.0	4038.6	4040.4	4043.4	4040.4	4038.6	4037.0	4049.3
3899.4	35°	3852.7	3834.0	3815.4	3811.4	3807.3	3805.3	3807.3	3811.4	3815.4	3834.0
3718.4	37.5°	3675.2	3641.1	3607.2	3589.2	3571.3	3561.2	3571.3	3589.2	3607.2	3641.1
3548.9	40°	3512.4	3462.7	3413.5	3380.0	3346.9	3327.1	3346.9	3380.0	3413.5	3462.7
3378.0	42.5°	3347.3	3285.8	3224.2	3175.6	3127.0	3095.1	3127.0	3175.6	3224.2	3285.8
3212.5	45°	3184.9	3114.5	3044.3	2987.2	2930.1	2893.3	2930.1	2987.2	3044.3	3114.5
3075.7	47.5°	3056.4	2993.8	2931.3	2878.4	2825.8	2790.4	2825.8	2878.4	2931.3	2993.8
2980.5	50°	2979.7	2929.7	2879.6	2830.8	2782.0	2748.1	2782.0	2830.8	2879.6	2929.7
2917.6	52.5°	2928.0	2887.3	2846.5	2802.7	2759.2	2727.9	2759.2	2802.7	2846.5	2887.3
2865.1	55°	2879.6	2844.1	2808.6	2770.3	2731.9	2703.7	2731.9	2770.3	2808.6	2844.1
2813.6	57.5°	2828.4	2792.5	2756.5	2718.6	2680.5	2651.2	2680.5	2718.6	2756.5	2792.5
2741.0	60°	2757.1	2722.0	2687.1	2648.0	2608.9	2578.6	2608.9	2648.0	2687.1	2722.0
2628.0	62.5°	2643.6	2611.9	2580.2	2539.0	2497.9	2461.6	2497.9	2539.0	2580.2	2611.9
2474.5	65°	2490.2	2459.7	2429.3	2389.3	2349.6	2318.3	2349.6	2389.3	2429.3	2459.7
2299.9	67.5°	2315.3	2287.2	2259.4	2222.3	2185.1	2156.9	2185.1	2222.3	2259.4	2287.2
2113.3	70°	2128.2	2105.4	2082.6	2047.1	2011.6	1979.3	2011.6	2047.1	2082.6	2105.4
1904.7	72.5°	1922.4	1903.5	1884.5	1850.6	1816.9	1785.6	1816.9	1850.6	1884.5	1903.5
1658.5	75°	1677.1	1667.8	1658.5	1630.1	1601.6	1571.8	1601.6	1630.1	1658.5	1667.8
1421.7	77.5°	1439.0	1426.1	1412.8	1384.1	1355.5	1331.7	1355.5	1384.1	1412.8	1426.1
1147.2	80°	1170.3	1164.6	1159.2	1120.6	1081.9	1037.1	1081.9	1120.6	1159.2	1164.6
834.5	82.5°	873.7	871.2	868.6	836.1	803.4	774.8	803.4	836.1	868.6	871.2
506.4	85°	554.9	550.8	546.8	521.4	495.9	470.1	495.9	521.4	546.8	550.8
220.9	87.5°	240.5	235.7	230.4	217.5	204.2	191.7	204.2	217.5	230.4	235.7
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: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
5258.1	0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
4848.5	2.5°	4867.6	4886.8	4910.6	4934.2	4964.7	4995.4	5025.8	5056.3	5091.0	5125.9
4553.5	5°	4579.9	4606.3	4644.3	4682.0	4731.2	4780.3	4834.3	4888.4	4949.6	5010.9
4375.9	7.5°	4407.4	4438.9	4483.7	4528.7	4588.6	4648.7	4716.9	4784.9	4865.6	4946.3
4322.3	10°	4357.8	4392.9	4446.7	4500.4	4568.0	4635.6	4709.0	4782.3	4863.0	4943.7
4401.6	12.5°	4447.0	4492.3	4560.9	4629.5	4699.4	4769.4	4826.7	4884.4	4937.6	4991.3
4565.6	15°	4634.6	4703.6	4801.3	4898.9	4959.6	5020.4	5035.3	5050.2	5043.0	5035.7
4723.4	17.5°	4825.1	4926.8	5056.1	5185.4	5234.2	5283.3	5236.7	5189.9	5101.9	5013.9
4819.2	20°	4943.7	5068.4	5216.1	5364.0	5386.8	5409.4	5311.5	5213.7	5060.7	4908.0
4822.6	22.5°	4951.2	5079.5	5220.7	5362.0	5348.4	5334.7	5207.4	5080.1	4905.4	4731.0
4725.0	25°	4838.8	4953.0	5068.6	5184.4	5137.8	5091.0	4965.7	4840.4	4683.4	4526.6
4533.7	27.5°	4622.3	4710.9	4793.2	4875.7	4823.4	4771.4	4670.9	4570.4	4441.7	4312.8
4298.0	30°	4361.8	4425.2	4488.1	4550.9	4508.5	4466.1	4382.6	4299.3	4192.3	4085.4
4061.6	32.5°	4112.2	4162.9	4220.8	4278.5	4231.3	4184.2	4104.1	4024.2	3938.7	3853.4
3852.7	35°	3899.4	3946.2	3987.1	4028.3	3971.8	3915.3	3836.0	3756.9	3691.9	3626.8
3675.2	37.5°	3718.4	3761.3	3780.3	3799.3	3729.5	3659.7	3580.6	3501.7	3455.1	3408.3
3512.4	40°	3548.9	3585.4	3581.0	3576.3	3495.8	3415.5	3339.2	3263.0	3229.3	3195.6
3347.3	42.5°	3378.0	3408.9	3385.7	3362.5	3275.7	3188.9	3116.5	3044.3	3016.6	2989.2
3184.9	45°	3212.5	3240.4	3207.1	3173.8	3083.8	2993.8	2925.2	2856.6	2833.2	2810.2
3056.4	47.5°	3075.7	3095.1	3056.8	3018.4	2929.7	2840.9	2773.9	2706.7	2685.1	2663.3
2979.7	50°	2980.5	2981.7	2932.5	2883.3	2803.8	2724.3	2661.1	2597.8	2563.7	2529.8
2928.0	52.5°	2917.6	2907.1	2848.8	2790.4	2716.2	2642.1	2584.2	2526.1	2475.3	2424.2
2879.6	55°	2865.1	2850.6	2788.6	2726.9	2662.1	2597.1	2534.6	2472.1	2399.8	2327.4
2828.4	57.5°	2813.6	2798.9	2736.8	2674.4	2610.1	2545.9	2472.5	2399.0	2321.1	2243.2
2757.1	60°	2741.0	2724.9	2662.3	2599.8	2534.4	2469.2	2384.9	2300.6	2232.4	2164.0
2643.6	62.5°	2628.0	2612.5	2555.2	2497.9	2428.3	2358.7	2260.2	2161.9	2118.6	2075.2
2490.2	65°	2474.5	2458.5	2408.1	2357.7	2291.1	2224.5	2119.0	2013.6	1997.1	1980.3
2315.3	67.5°	2299.9	2284.4	2240.8	2197.2	2134.3	2071.1	1973.7	1876.4	1881.7	1886.9
2128.2	70°	2113.3	2098.4	2059.0	2019.7	1965.2	1910.7	1825.2	1739.6	1757.8	1776.0
1922.4	72.5°	1904.7	1886.9	1848.4	1809.9	1760.6	1711.4	1644.2	1576.8	1603.2	1629.9
1677.1	75°	1658.5	1640.0	1604.9	1569.7	1525.2	1480.6	1430.5	1380.5	1406.1	1431.5
1439.0	77.5°	1421.7	1404.3	1367.6	1330.7	1292.3	1254.0	1213.4	1172.7	1198.5	1224.3
1170.3	80°	1147.2	1124.2	1096.4	1068.4	1036.1	1003.8	970.1	936.2	958.0	979.6
873.7	82.5°	834.5	795.4	735.6	675.9	687.2	698.5	701.3	704.2	719.5	734.8
554.9	85°	506.4	458.0	401.9	346.0	377.3	408.6	423.3	437.8	455.0	472.1
240.5	87.5°	220.9	201.4	177.8	154.4	178.4	202.2	202.8	203.4	206.6	209.8
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: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
5258.1	0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
5164.4	2.5°	5203.2	5251.0	5294.0	5338.4	5382.7	5429.2	5475.6	5521.6	5567.8	5611.1
5084.1	5°	5157.2	5240.9	5325.6	5415.4	5505.2	5601.3	5697.5	5792.9	5888.6	5984.4
5043.4	7.5°	5140.6	5249.0	5364.6	5489.9	5615.2	5757.4	5899.7	6045.8	6191.8	6349.8
5046.2	10°	5148.7	5265.1	5407.8	5556.3	5704.4	5877.3	6050.0	6242.9	6436.0	6635.9
5074.8	12.5°	5158.8	5267.1	5417.0	5584.7	5752.4	5956.2	6160.0	6378.7	6597.4	6816.9
5075.7	15°	5115.8	5202.6	5368.6	5562.7	5756.8	5991.5	6226.1	6463.4	6700.7	6929.7
4999.4	17.5°	4984.7	5038.1	5233.4	5466.9	5700.3	5972.7	6245.1	6504.0	6762.8	6995.1
4839.4	20°	4770.8	4784.9	5012.3	5301.6	5591.0	5921.1	6251.2	6535.6	6820.1	7061.7
4629.5	22.5°	4528.1	4500.4	4759.3	5107.7	5456.2	5857.7	6259.2	6578.4	6897.4	7144.2
4409.6	25°	4292.6	4217.9	4483.3	4891.2	5299.4	5795.2	6291.1	6655.9	7020.5	7262.0
4199.8	27.5°	4086.8	3996.0	4237.5	4693.3	5149.1	5753.4	6357.7	6777.0	7196.0	7426.6
3995.4	30°	3905.8	3834.6	4037.4	4527.9	5018.4	5733.8	6448.9	6933.7	7418.6	7641.1
3800.3	32.5°	3747.2	3715.5	3879.0	4385.2	4891.2	5709.6	6527.6	7097.4	7667.2	7887.5
3612.0	35°	3597.5	3610.6	3746.8	4245.0	4743.1	5664.0	6585.3	7283.8	7982.3	8193.6
3424.4	37.5°	3440.5	3488.6	3607.6	4079.9	4552.3	5585.9	6619.6	7492.6	8365.7	8634.8
3232.1	40°	3268.6	3342.3	3450.2	3883.0	4315.8	5478.4	6641.2	7757.7	8874.1	9266.4
3037.6	42.5°	3086.0	3178.8	3278.3	3665.7	4053.1	5367.4	6682.1	8104.6	9527.0	10093.2
2857.2	45°	2904.4	2994.2	3095.1	3434.9	3774.7	5264.3	6754.2	8561.0	10367.8	11131.5
2702.9	47.5°	2742.4	2819.7	2949.8	3252.3	3554.7	5179.2	6803.6	9047.2	11290.9	12365.9
2564.7	50°	2599.8	2689.6	2860.7	3131.0	3401.4	5086.4	6771.3	9498.4	12225.5	13846.1
2458.7	52.5°	2493.4	2618.9	2815.7	3051.1	3286.8	4929.6	6572.6	9791.4	13010.0	15400.9
2382.1	55°	2436.9	2626.0	2809.0	2993.2	3177.4	4669.7	6162.0	9726.8	13291.4	16779.4
2323.1	57.5°	2403.0	2633.1	2794.5	2924.6	3054.8	4303.3	5551.6	9272.4	12993.4	17756.3
2267.7	60°	2371.2	2610.9	2717.4	2819.7	2922.0	3827.5	4733.1	8426.8	12120.6	18000.5
2204.5	62.5°	2334.0	2556.4	2569.5	2637.3	2705.3	3258.1	3811.0	7283.4	10755.8	16972.5
2118.2	65°	2255.8	2425.2	2423.6	2455.7	2487.8	2745.9	3003.9	6116.8	9229.8	15517.9
2001.5	67.5°	2116.1	2211.4	2215.8	2198.1	2180.1	2253.5	2326.8	4974.0	7621.2	13787.0
1857.5	70°	1939.0	1970.3	1970.3	1887.3	1804.2	1783.4	1762.4	3916.3	6070.2	11898.2
1685.8	72.5°	1741.7	1741.3	1721.5	1603.8	1486.0	1422.7	1359.5	2994.0	4628.5	9850.7
1474.7	75°	1517.7	1525.4	1434.2	1302.2	1170.3	1112.9	1055.6	2173.0	3290.4	7503.5
1258.8	77.5°	1293.3	1297.4	1147.0	1018.9	890.8	851.7	812.7	1472.5	2132.3	5251.8
1008.6	80°	1037.5	1038.1	858.5	750.2	641.6	625.5	609.3	948.7	1288.3	3383.6
749.0	82.5°	763.1	754.6	601.3	521.4	441.5	438.2	435.4	583.5	732.0	1958.4
487.3	85°	502.4	491.3	377.3	318.8	260.3	261.9	263.3	311.9	360.8	880.9
215.9	87.5°	221.9	207.8	160.4	136.4	112.6	114.0	115.4	129.3	143.3	288.5
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: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
5258.1	0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
5654.5	2.5°	5675.9	5697.5	5728.0	5758.4	5776.6	5794.8	5803.8	5812.9	5808.9	5812.9
6080.3	5°	6155.1	6230.2	6304.4	6378.9	6419.2	6459.6	6484.0	6508.6	6527.2	6508.6
6508.0	7.5°	6629.9	6751.5	6861.1	6970.7	7036.6	7102.6	7138.3	7173.8	7191.0	7173.8
6835.9	10°	6979.9	7124.0	7252.5	7381.0	7458.9	7536.4	7571.1	7605.6	7618.7	7605.6
7036.6	12.5°	7192.8	7348.8	7465.0	7580.8	7637.3	7693.8	7712.8	7731.7	7733.7	7731.7
7158.7	15°	7293.5	7428.1	7500.9	7573.9	7576.0	7578.0	7557.8	7537.6	7513.8	7537.6
7227.3	17.5°	7318.3	7409.3	7410.7	7411.9	7330.2	7248.5	7173.6	7098.6	7045.7	7098.6
7303.0	20°	7334.6	7366.5	7270.7	7174.8	6994.5	6814.1	6682.7	6551.4	6470.7	6551.4
7390.7	22.5°	7349.2	7307.6	7109.1	6910.5	6645.2	6379.9	6215.6	6051.4	5962.2	6051.4
7503.7	25°	7372.6	7241.4	6940.0	6638.5	6316.3	5994.1	5821.4	5649.1	5564.7	5649.1
7657.1	27.5°	7422.6	7188.0	6788.7	6389.6	6032.4	5675.3	5505.4	5335.7	5256.0	5335.7
7863.9	30°	7514.2	7164.8	6673.2	6181.7	5809.7	5437.6	5280.0	5122.5	5048.2	5122.5
8108.0	32.5°	7629.2	7150.6	6594.6	6038.5	5688.8	5339.2	5215.5	5091.6	5038.1	5091.6
8404.6	35°	7818.7	7233.0	6653.5	6074.2	5831.3	5588.5	5559.7	5530.8	5526.4	5530.8
8904.0	37.5°	8214.8	7525.5	6998.9	6472.3	6456.6	6440.8	6572.8	6704.7	6773.3	6704.7
9658.6	40°	8909.0	8159.5	7767.8	7376.2	7652.6	7929.0	8249.9	8570.7	8730.5	8570.7
10659.4	42.5°	9915.6	9171.9	8946.4	8720.8	9323.7	9926.5	10510.1	11093.6	11436.2	11093.6
11895.2	45°	11227.1	10558.9	10459.4	10359.7	11325.6	12291.7	13250.5	14209.5	14791.6	14209.5
13440.7	47.5°	12790.8	12140.7	12120.6	12100.4	13493.8	14886.8	16290.5	17694.0	18518.2	17694.0
15466.5	50°	14663.6	13861.0	13864.4	13867.9	15663.6	17459.3	19312.2	21165.0	22285.2	21165.0
17791.8	52.5°	16819.7	15847.8	15749.5	15651.1	17796.1	19941.1	22233.5	24525.8	25868.6	24525.8
20267.5	55°	19307.1	18346.7	17963.5	17580.4	19967.7	22354.8	25087.7	27820.7	29417.7	27820.7
22519.2	57.5°	21996.3	21473.1	20704.5	19936.2	22346.7	24757.2	27852.8	30948.1	32928.4	30948.1
23880.2	60°	24692.5	25505.0	24550.6	23596.3	25877.5	28158.6	31472.9	34787.1	36927.4	34787.1
23189.1	62.5°	25408.8	27628.4	27520.9	27413.1	29502.8	31592.7	34745.9	37898.9	39877.3	37898.9
21806.0	65°	23889.2	25972.5	26384.7	26796.7	29452.4	32108.2	35165.8	38223.2	39907.5	38223.2
19952.8	67.5°	21934.1	23915.5	24108.8	24301.9	27068.9	29835.7	32906.4	35977.1	37296.7	35977.1
17726.3	70°	19881.3	22036.6	22123.0	22209.5	24684.0	27158.3	29800.8	32443.2	33176.6	32443.2
15073.0	72.5°	17546.1	20019.3	20081.5	20143.4	22079.4	24015.3	25994.5	27973.4	28047.7	27973.4
11716.6	75°	14276.2	16835.9	17065.7	17295.5	18801.7	20307.9	21701.1	23094.3	22721.0	23094.3
8371.3	77.5°	10760.7	13150.2	13479.1	13807.9	14953.0	16098.0	17086.1	18074.3	17432.7	18074.3
5479.0	80°	7489.2	9499.2	9908.0	10316.8	11181.5	12045.9	12564.9	13083.6	12051.6	13083.6
3184.9	82.5°	4559.1	5933.6	6390.2	6847.0	7442.2	8037.4	8253.9	8470.2	7659.1	8470.2
1401.3	85°	2130.7	2860.1	3248.5	3636.9	4125.9	4614.8	4737.7	4860.6	4210.9	4860.6
433.8	87.5°	678.9	924.1	1140.8	1357.5	1602.0	1846.6	1857.1	1867.4	1567.7	1867.4
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: P954922
 CATALOG NUMBER: GALN-SB8A-740-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
5258.1	0°	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1	5258.1
5803.8	2.5°	5794.8	5776.6	5758.4	5728.0	5697.5	5675.9	5654.5
6484.0	5°	6459.6	6419.2	6378.9	6304.4	6230.2	6155.1	6080.3
7138.3	7.5°	7102.6	7036.6	6970.7	6861.1	6751.5	6629.9	6508.0
7571.1	10°	7536.4	7458.9	7381.0	7252.5	7124.0	6979.9	6835.9
7712.8	12.5°	7693.8	7637.3	7580.8	7465.0	7348.8	7192.8	7036.6
7557.8	15°	7578.0	7576.0	7573.9	7500.9	7428.1	7293.5	7158.7
7173.6	17.5°	7248.5	7330.2	7411.9	7410.7	7409.3	7318.3	7227.3
6682.7	20°	6814.1	6994.5	7174.8	7270.7	7366.5	7334.6	7303.0
6215.6	22.5°	6379.9	6645.2	6910.5	7109.1	7307.6	7349.2	7390.7
5821.4	25°	5994.1	6316.3	6638.5	6940.0	7241.4	7372.6	7503.7
5505.4	27.5°	5675.3	6032.4	6389.6	6788.7	7188.0	7422.6	7657.1
5280.0	30°	5437.6	5809.7	6181.7	6673.2	7164.8	7514.2	7863.9
5215.5	32.5°	5339.2	5688.8	6038.5	6594.6	7150.6	7629.2	8108.0
5559.7	35°	5588.5	5831.3	6074.2	6653.5	7233.0	7818.7	8404.6
6572.8	37.5°	6440.8	6456.6	6472.3	6998.9	7525.5	8214.8	8904.0
8249.9	40°	7929.0	7652.6	7376.2	7767.8	8159.5	8909.0	9658.6
10510.1	42.5°	9926.5	9323.7	8720.8	8946.4	9171.9	9915.6	10659.4
13250.5	45°	12291.7	11325.6	10359.7	10459.4	10558.9	11227.1	11895.2
16290.5	47.5°	14886.8	13493.8	12100.4	12120.6	12140.7	12790.8	13440.7
19312.2	50°	17459.3	15663.6	13867.9	13864.4	13861.0	14663.6	15466.5
22233.5	52.5°	19941.1	17796.1	15651.1	15749.5	15847.8	16819.7	17791.8
25087.7	55°	22354.8	19967.7	17580.4	17963.5	18346.7	19307.1	20267.5
27852.8	57.5°	24757.2	22346.7	19936.2	20704.5	21473.1	21996.3	22519.2
31472.9	60°	28158.6	25877.5	23596.3	24550.6	25505.0	24692.5	23880.2
34745.9	62.5°	31592.7	29502.8	27413.1	27520.9	27628.4	25408.8	23189.1
35165.8	65°	32108.2	29452.4	26796.7	26384.7	25972.5	23889.2	21806.0
32906.4	67.5°	29835.7	27068.9	24301.9	24108.8	23915.5	21934.1	19952.8
29800.8	70°	27158.3	24684.0	22209.5	22123.0	22036.6	19881.3	17726.3
25994.5	72.5°	24015.3	22079.4	20143.4	20081.5	20019.3	17546.1	15073.0
21701.1	75°	20307.9	18801.7	17295.5	17065.7	16835.9	14276.2	11716.6
17086.1	77.5°	16098.0	14953.0	13807.9	13479.1	13150.2	10760.7	8371.3
12564.9	80°	12045.9	11181.5	10316.8	9908.0	9499.2	7489.2	5479.0
8253.9	82.5°	8037.4	7442.2	6847.0	6390.2	5933.6	4559.1	3184.9
4737.7	85°	4614.8	4125.9	3636.9	3248.5	2860.1	2130.7	1401.3
1857.1	87.5°	1846.6	1602.0	1357.5	1140.8	924.1	678.9	433.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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