

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: P955697

Luminaire Tested: **GALN-SB8C-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955697
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-SB8C-827-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52471 lumens
Efficiency: N/A
Efficacy: 131.2 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

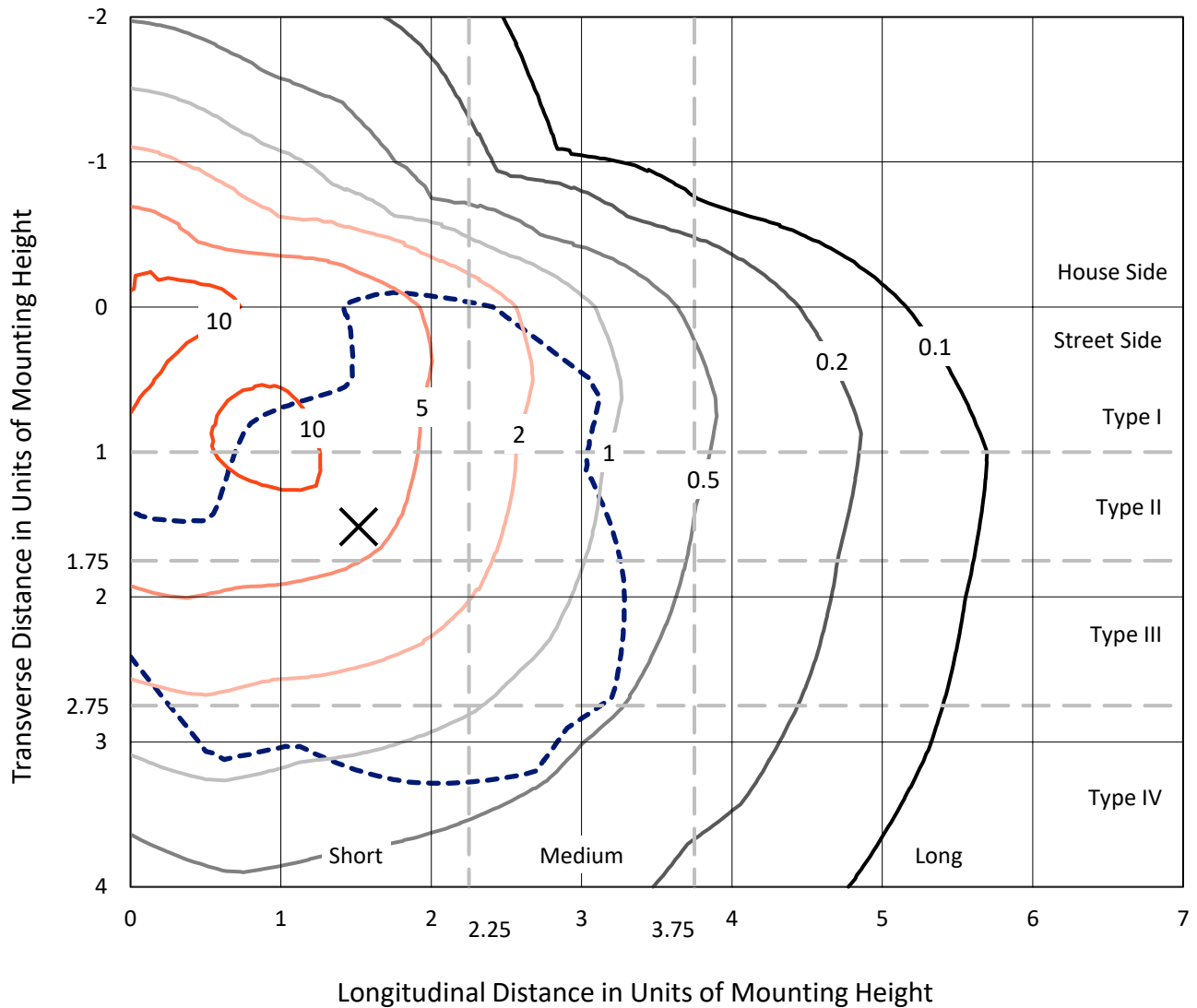
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

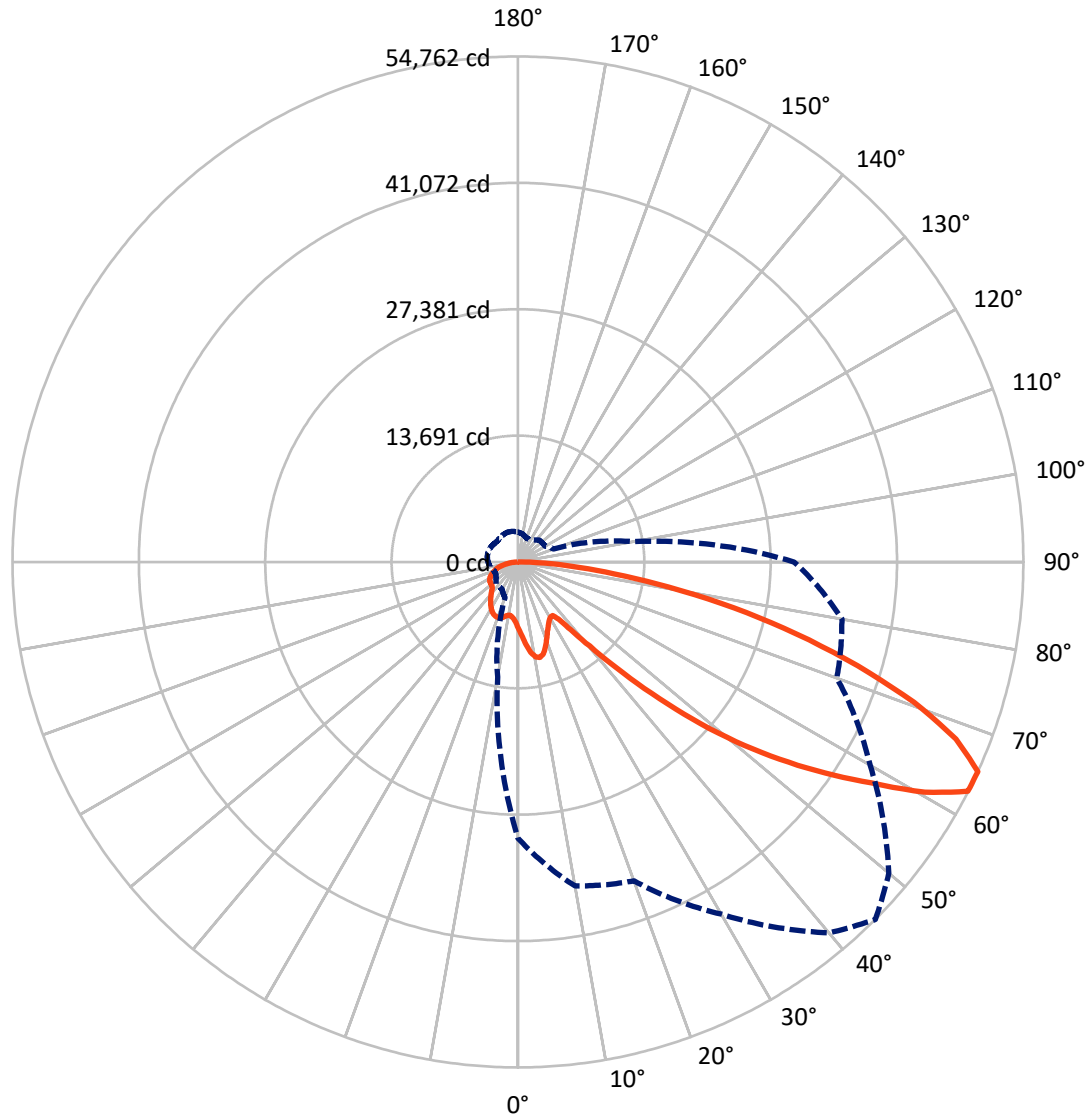
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16 fc
 Type IV - Short - N/A

REPORT NUMBER: P955697
CATALOG NUMBER: GALN-SB8C-827-U-SLL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P955697

CATALOG NUMBER: GALN-SB8C-827-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13335.5	0.0	13335.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	39135.5	0.0	39135.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	52471.0	0.0	52471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	715.7	1.4
10°-20°	2246.9	4.3
20°-30°	3470.6	6.6
30°-40°	4398.2	8.4
40°-50°	6633.5	12.6
50°-60°	10717.5	20.4
60°-70°	13361.0	25.5
70°-80°	8761.5	16.7
80°-90°	2166.1	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°	52471.0	100.0
0°-180°	52471.0	100.0

Coefficient of Utilization



REPORT NUMBER: P955697

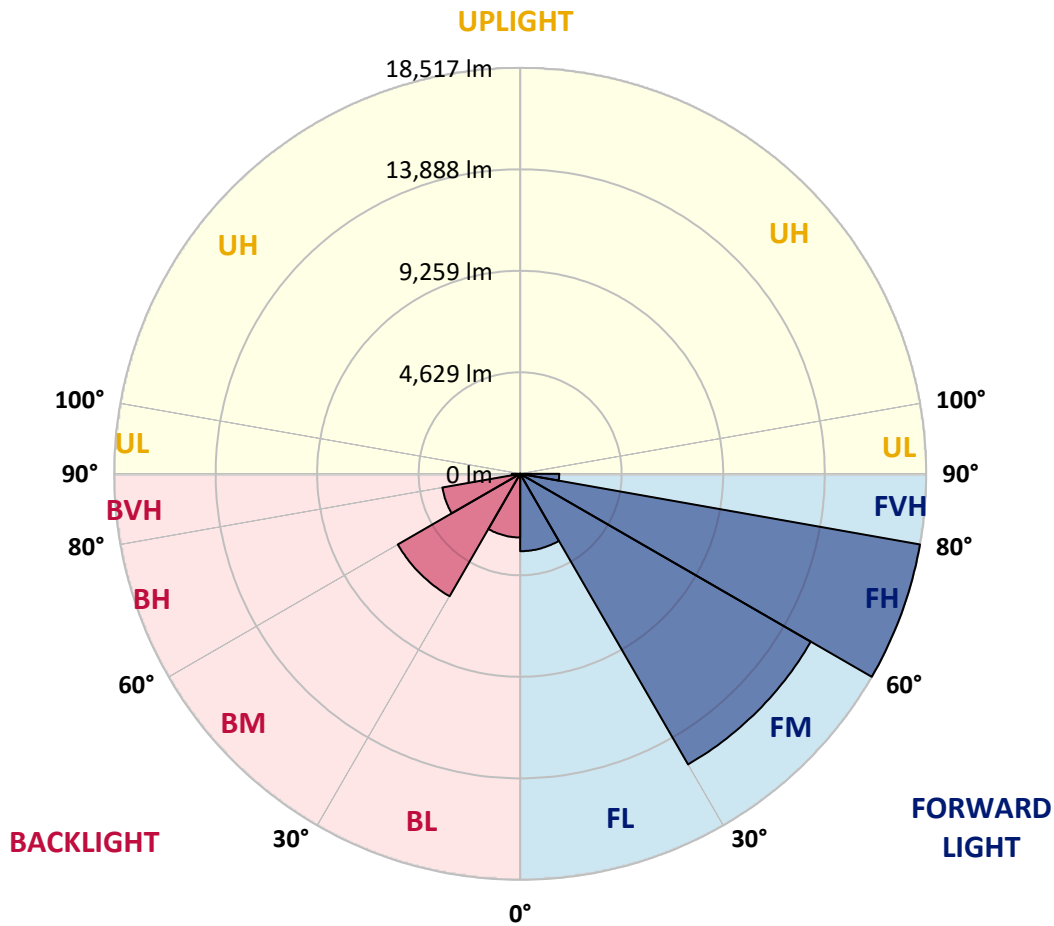
CATALOG NUMBER: GALN-SB8C-827-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3529.3	6.7			
FM (30°-60°)	15304.6	29.2			
FH (60°-80°)	18517.2	35.3			G5
FVH (80°-90°)	1784.4	3.4			G5
BL (0°-30°)	2904.0	5.5	B4/5000		
BM (30°-60°)	6444.5	12.3	B4/8500		
BH (60°-80°)	3605.3	6.9	B4/5000		G4/5000
BVH (80°-90°)	381.7	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: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
2.5°	7759.3	7788.6	7818.2	7860.0	7901.9	7926.8	7951.7	7964.1	7976.6	7971.1
5°	8343.5	8446.2	8549.2	8651.1	8753.2	8808.6	8864.0	8897.5	8931.3	8956.7
7.5°	8930.4	9097.6	9264.6	9414.9	9565.3	9655.8	9746.4	9795.4	9844.1	9867.6
10°	9380.3	9578.0	9775.7	9952.1	10128.4	10235.3	10341.6	10389.2	10436.6	10454.6
12.5°	9655.8	9870.1	10084.1	10243.6	10402.5	10480.1	10557.6	10583.6	10609.6	10612.4
15°	9823.3	10008.3	10192.9	10292.9	10393.1	10395.9	10398.7	10371.0	10343.3	10310.6
17.5°	9917.5	10042.3	10167.2	10169.1	10170.8	10058.7	9946.5	9843.8	9740.8	9668.3
20°	10021.3	10064.8	10108.5	9977.0	9845.5	9598.0	9350.4	9170.2	8989.9	8879.2
22.5°	10141.7	10084.7	10027.7	9755.2	9482.8	9118.7	8754.6	8529.2	8303.9	8181.5
25°	10296.8	10116.8	9936.8	9523.2	9109.6	8667.4	8225.2	7988.2	7751.8	7636.1
27.5°	10507.2	10185.5	9863.5	9315.5	8767.9	8277.8	7787.8	7554.7	7321.8	7212.4
30°	10791.0	10311.2	9831.6	9157.2	8482.7	7972.2	7461.6	7245.4	7029.2	6927.3
32.5°	11126.0	10469.0	9812.2	9049.2	8286.1	7806.3	7326.5	7156.8	6986.8	6913.4
35°	11533.0	10729.0	9925.2	9130.0	8335.2	8001.8	7668.7	7629.1	7589.5	7583.5
37.5°	12218.2	11272.5	10326.7	9604.0	8881.4	8859.8	8838.2	9019.3	9200.4	9294.5
40°	13253.7	12225.2	11196.6	10659.2	10121.8	10501.1	10880.4	11320.6	11760.9	11980.1
42.5°	14627.0	13606.5	12585.9	12276.4	11966.8	12794.1	13621.4	14422.1	15222.8	15693.0
45°	16322.8	15406.1	14489.1	14352.6	14215.9	15541.2	16866.9	18182.6	19498.5	20297.3
47.5°	18443.6	17551.9	16659.8	16632.1	16604.4	18516.5	20428.0	22354.2	24280.1	25411.1
50°	21223.4	20121.8	19020.4	19025.1	19029.8	21493.9	23958.1	26500.5	29043.0	30580.2
52.5°	24414.3	23080.4	21746.7	21611.9	21476.8	24420.2	27363.5	30509.3	33654.8	35497.4
55°	27811.5	26493.6	25175.7	24650.0	24124.2	27400.1	30675.7	34425.9	38176.1	40367.5
57.5°	30901.4	30183.7	29465.8	28411.2	27356.9	30664.7	33972.4	38220.1	42467.6	45185.1
60°	32768.9	33883.5	34998.5	33688.9	32379.3	35509.6	38639.9	43187.7	47735.6	50672.6
62.5°	31820.6	34866.4	37912.3	37764.7	37616.8	40484.4	43352.2	47679.1	52005.7	54720.5
65°	29922.7	32781.3	35640.0	36205.6	36771.0	40415.2	44059.6	48255.3	52450.7	54762.0
67.5°	27379.6	30098.5	32817.3	33082.6	33347.5	37144.5	40941.2	45154.9	49368.6	51179.3
70°	24324.4	27281.6	30239.1	30357.6	30476.4	33871.9	37267.2	40893.3	44519.2	45525.6
72.5°	20683.5	24077.1	27471.0	27556.2	27641.2	30297.8	32954.4	35670.2	38385.7	38487.6
75°	16077.8	19590.2	23102.5	23417.9	23733.2	25800.1	27866.9	29778.7	31690.5	31178.3
77.5°	11487.3	14766.0	18045.0	18496.3	18947.6	20518.8	22090.0	23445.8	24802.0	23921.5
80°	7518.4	10276.8	13035.0	13595.9	14156.9	15343.5	16529.7	17241.8	17953.6	16537.4
82.5°	4370.4	6256.1	8142.2	8768.7	9395.6	10212.3	11029.1	11326.2	11623.0	10510.0
85°	1922.9	2923.7	3924.6	4457.6	4990.6	5661.7	6332.6	6501.2	6669.8	5778.3
87.5°	595.3	931.7	1268.1	1565.4	1862.8	2198.3	2533.9	2548.3	2562.4	2151.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7976.6	2.5°	7964.1	7951.7	7926.8	7901.9	7860.0	7818.2	7788.6	7759.3	7699.7	7640.2
8931.3	5°	8897.5	8864.0	8808.6	8753.2	8651.1	8549.2	8446.2	8343.5	8211.9	8080.4
9844.1	7.5°	9795.4	9746.4	9655.8	9565.3	9414.9	9264.6	9097.6	8930.4	8713.4	8496.6
10436.6	10°	10389.2	10341.6	10235.3	10128.4	9952.1	9775.7	9578.0	9380.3	9106.0	8831.6
10609.6	12.5°	10583.6	10557.6	10480.1	10402.5	10243.6	10084.1	9870.1	9655.8	9354.3	9053.1
10343.3	15°	10371.0	10398.7	10395.9	10393.1	10292.9	10192.9	10008.3	9823.3	9509.1	9194.8
9740.8	17.5°	9843.8	9946.5	10058.7	10170.8	10169.1	10167.2	10042.3	9917.5	9598.8	9280.1
8989.9	20°	9170.2	9350.4	9598.0	9845.5	9977.0	10108.5	10064.8	10021.3	9690.1	9358.7
8303.9	22.5°	8529.2	8754.6	9118.7	9482.8	9755.2	10027.7	10084.7	10141.7	9803.4	9464.8
7751.8	25°	7988.2	8225.2	8667.4	9109.6	9523.2	9936.8	10116.8	10296.8	9965.1	9633.7
7321.8	27.5°	7554.7	7787.8	8277.8	8767.9	9315.5	9863.5	10185.5	10507.2	10191.0	9874.5
7029.2	30°	7245.4	7461.6	7972.2	8482.7	9157.2	9831.6	10311.2	10791.0	10485.3	10179.9
6986.8	32.5°	7156.8	7326.5	7806.3	8286.1	9049.2	9812.2	10469.0	11126.0	10823.4	10521.0
7589.5	35°	7629.1	7668.7	8001.8	8335.2	9130.0	9925.2	10729.0	11533.0	11243.4	10953.5
9200.4	37.5°	9019.3	8838.2	8859.8	8881.4	9604.0	10326.7	11272.5	12218.2	11848.9	11479.6
11760.9	40°	11320.6	10880.4	10501.1	10121.8	10659.2	11196.6	12225.2	13253.7	12715.5	12177.3
15222.8	42.5°	14422.1	13621.4	12794.1	11966.8	12276.4	12585.9	13606.5	14627.0	13850.1	13073.2
19498.5	45°	18182.6	16866.9	15541.2	14215.9	14352.6	14489.1	15406.1	16322.8	15274.9	14226.9
24280.1	47.5°	22354.2	20428.0	18516.5	16604.4	16632.1	16659.8	17551.9	18443.6	16968.8	15493.6
29043.0	50°	26500.5	23958.1	21493.9	19029.8	19025.1	19020.4	20121.8	21223.4	18999.9	16776.1
33654.8	52.5°	30509.3	27363.5	24420.2	21476.8	21611.9	21746.7	23080.4	24414.3	21133.4	17852.5
38176.1	55°	34425.9	30675.7	27400.1	24124.2	24650.0	25175.7	26493.6	27811.5	23025.0	18238.8
42467.6	57.5°	38220.1	33972.4	30664.7	27356.9	28411.2	29465.8	30183.7	30901.4	24365.6	17829.8
47735.6	60°	43187.7	38639.9	35509.6	32379.3	33688.9	34998.5	33883.5	32768.9	24700.6	16632.1
52005.7	62.5°	47679.1	43352.2	40484.4	37616.8	37764.7	37912.3	34866.4	31820.6	23290.0	14759.3
52450.7	65°	48255.3	44059.6	40415.2	36771.0	36205.6	35640.0	32781.3	29922.7	21294.0	12665.4
49368.6	67.5°	45154.9	40941.2	37144.5	33347.5	33082.6	32817.3	30098.5	27379.6	18918.8	10457.9
44519.2	70°	40893.3	37267.2	33871.9	30476.4	30357.6	30239.1	27281.6	24324.4	16327.0	8329.6
38385.7	72.5°	35670.2	32954.4	30297.8	27641.2	27556.2	27471.0	24077.1	20683.5	13517.3	6351.4
31690.5	75°	29778.7	27866.9	25800.1	23733.2	23417.9	23102.5	19590.2	16077.8	10296.5	4515.2
24802.0	77.5°	23445.8	22090.0	20518.8	18947.6	18496.3	18045.0	14766.0	11487.3	7206.6	2926.0
17953.6	80°	17241.8	16529.7	15343.5	14156.9	13595.9	13035.0	10276.8	7518.4	4643.1	1767.8
11623.0	82.5°	11326.2	11029.1	10212.3	9395.6	8768.7	8142.2	6256.1	4370.4	2687.3	1004.5
6669.8	85°	6501.2	6332.6	5661.7	4990.6	4457.6	3924.6	2923.7	1922.9	1208.8	495.0
2562.4	87.5°	2548.3	2533.9	2198.3	1862.8	1565.4	1268.1	931.7	595.3	395.9	196.6
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: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7576.8	2.5°	7513.7	7450.0	7386.3	7325.4	7264.5	7205.5	7139.9	7086.7	7033.9	6986.0
7949.2	5°	7818.2	7686.2	7554.4	7431.2	7308.0	7191.7	7076.8	6976.6	6876.0	6791.9
8296.1	7.5°	8095.7	7900.5	7705.3	7533.3	7361.4	7202.8	7054.1	6920.6	6787.5	6676.7
8566.6	10°	8301.9	8064.9	7827.6	7624.4	7420.7	7224.9	7065.2	6924.5	6783.9	6673.1
8752.9	12.5°	8452.8	8173.2	7893.5	7663.5	7433.4	7227.7	7079.0	6963.8	6849.2	6775.5
8869.2	15°	8543.6	8221.6	7899.6	7633.3	7366.9	7139.1	7020.0	6964.9	6910.1	6920.1
8924.9	17.5°	8569.7	8195.9	7822.1	7501.8	7181.4	6913.4	6840.1	6860.3	6880.2	7000.9
8968.4	20°	8578.0	8125.0	7672.0	7275.0	6878.0	6566.0	6546.6	6640.7	6734.8	6944.4
9027.0	22.5°	8589.0	8038.1	7487.1	7008.9	6530.8	6175.6	6213.5	6352.8	6492.0	6731.2
9133.4	25°	8632.8	7952.2	7272.0	6711.9	6152.0	5788.0	5890.4	6051.0	6211.6	6426.7
9299.5	27.5°	8724.2	7894.9	7065.7	6440.3	5814.8	5483.4	5608.0	5763.0	5918.1	6095.0
9514.6	30°	8849.3	7868.1	6886.3	6213.2	5540.2	5261.9	5359.6	5482.6	5606.0	5752.8
9739.2	32.5°	8957.3	7834.8	6711.9	6017.5	5322.8	5098.5	5142.0	5214.8	5287.7	5404.8
9995.0	35°	9036.5	7772.3	6508.6	5825.1	5141.5	4954.6	4936.6	4956.5	4976.7	5066.2
10281.5	37.5°	9083.5	7665.1	6246.7	5598.6	4950.4	4787.1	4721.2	4699.0	4676.9	4741.1
10645.3	40°	9113.2	7517.6	5922.2	5328.4	4734.5	4586.3	4485.3	4435.2	4385.1	4431.3
11121.3	42.5°	9169.4	7365.3	5561.8	5030.2	4498.6	4362.1	4234.7	4168.3	4101.8	4139.5
11747.6	45°	9268.2	7223.8	5179.7	4713.4	4247.2	4108.7	3985.5	3920.7	3856.2	3887.8
12414.8	47.5°	9336.0	7107.0	4877.9	4462.9	4047.8	3869.2	3763.2	3708.9	3654.7	3684.6
13033.9	50°	9291.7	6979.6	4667.5	4296.5	3925.5	3690.7	3567.5	3519.3	3471.4	3517.9
13435.9	52.5°	9019.0	6764.5	4510.2	4186.8	3863.7	3593.8	3421.6	3373.9	3326.6	3396.6
13347.3	55°	8455.6	6407.9	4360.1	4107.4	3854.6	3603.5	3344.0	3268.7	3193.7	3293.1
12723.8	57.5°	7618.1	5905.1	4191.8	4013.2	3834.6	3613.1	3297.5	3187.9	3078.2	3185.1
11563.4	60°	6494.8	5252.2	4009.6	3869.2	3728.9	3582.7	3253.8	3111.7	2969.4	3063.3
9994.4	62.5°	5229.5	4470.9	3712.3	3619.0	3525.9	3507.9	3202.8	3025.1	2847.6	2907.1
8393.6	65°	4122.0	3767.9	3413.8	3369.8	3325.8	3328.0	3095.4	2906.6	2717.5	2740.5
6825.4	67.5°	3192.9	3092.4	2991.6	3016.2	3040.6	3034.5	2903.8	2746.5	2589.3	2582.1
5374.0	70°	2418.5	2447.2	2475.8	2589.8	2703.6	2703.6	2660.7	2548.9	2437.0	2412.1
4108.5	72.5°	1865.5	1952.2	2039.1	2200.8	2362.2	2389.4	2389.9	2313.2	2236.6	2200.0
2981.9	75°	1448.6	1527.2	1605.8	1786.9	1968.0	2093.1	2082.6	2023.6	1964.4	1929.5
2020.6	77.5°	1115.2	1168.7	1222.4	1398.2	1574.0	1780.3	1774.7	1727.4	1680.0	1644.6
1301.8	80°	836.1	858.3	880.4	1029.4	1178.1	1424.5	1423.7	1384.1	1344.2	1314.6
800.7	82.5°	597.5	601.4	605.8	715.4	825.1	1035.5	1047.1	1027.7	1008.4	987.3
428.0	85°	361.3	359.4	357.2	437.5	517.7	674.2	689.4	668.6	647.9	624.3
177.5	87.5°	158.4	156.4	154.5	187.2	220.1	285.2	304.6	296.3	287.9	283.5
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: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
6938.3	2.5°	6896.5	6854.7	6812.6	6770.8	6738.4	6705.8	6679.5	6653.2	6632.7	6612.2
6708.0	5°	6633.8	6559.6	6492.3	6424.8	6373.0	6320.9	6284.7	6248.4	6222.6	6196.9
6566.0	7.5°	6472.7	6379.1	6296.6	6214.3	6152.6	6091.1	6047.9	6004.7	5975.1	5945.8
6562.4	10°	6461.9	6361.1	6268.3	6175.6	6101.9	6028.0	5979.8	5931.1	5903.1	5875.2
6702.5	12.5°	6623.3	6544.6	6448.6	6352.8	6258.6	6164.5	6102.2	6039.9	6008.6	5977.6
6930.0	15°	6909.6	6889.1	6805.7	6722.4	6588.4	6454.4	6359.7	6265.0	6221.5	6178.3
7121.6	17.5°	7185.9	7249.8	7182.5	7115.5	6938.1	6760.6	6621.1	6481.5	6417.3	6352.8
7154.3	20°	7288.6	7422.9	7391.9	7360.6	7157.6	6955.0	6783.9	6613.0	6530.8	6448.3
6971.0	22.5°	7145.7	7320.4	7339.3	7357.8	7164.0	6970.2	6794.1	6617.7	6531.1	6444.1
6642.1	25°	6814.0	6986.0	7050.2	7114.2	6955.2	6796.6	6639.9	6483.7	6408.4	6333.4
6271.6	27.5°	6409.5	6547.4	6618.8	6690.5	6577.3	6464.3	6342.8	6221.3	6170.9	6120.2
5899.5	30°	6013.9	6128.5	6186.6	6244.8	6158.7	6072.3	5985.4	5897.9	5872.1	5846.1
5522.2	32.5°	5631.8	5741.7	5806.2	5871.0	5791.8	5712.4	5642.9	5573.4	5556.5	5539.6
5155.3	35°	5263.8	5372.6	5450.2	5527.7	5471.2	5415.0	5350.8	5286.8	5261.1	5235.6
4805.1	37.5°	4913.3	5021.9	5117.7	5213.4	5187.4	5161.4	5102.4	5043.2	4996.4	4949.9
4477.5	40°	4582.2	4686.8	4797.0	4907.5	4913.9	4920.0	4869.9	4819.7	4751.6	4684.1
4177.4	42.5°	4276.5	4375.9	4495.0	4614.0	4645.9	4677.7	4635.3	4593.3	4508.8	4424.4
3919.9	45°	4014.1	4108.2	4231.7	4355.2	4400.8	4446.5	4408.3	4370.4	4273.8	4177.4
3714.2	47.5°	3806.4	3898.3	4020.1	4142.0	4194.6	4247.2	4220.6	4194.0	4108.2	4022.4
3564.7	50°	3651.6	3738.3	3847.4	3956.5	4024.0	4091.6	4089.9	4088.8	4020.1	3951.5
3466.4	52.5°	3546.1	3625.6	3727.2	3829.1	3909.1	3989.1	4003.5	4017.9	3962.0	3906.1
3392.2	55°	3478.0	3563.9	3653.0	3741.9	3826.6	3911.6	3931.5	3951.5	3902.7	3854.0
3292.0	57.5°	3392.8	3493.5	3581.6	3669.9	3755.5	3840.7	3860.9	3881.2	3831.9	3782.6
3156.9	60°	3272.6	3388.3	3477.8	3567.5	3653.3	3739.1	3761.3	3783.4	3735.2	3687.3
2966.7	62.5°	3101.5	3236.6	3332.1	3427.6	3506.3	3584.9	3606.2	3627.5	3584.1	3540.6
2763.2	65°	2907.7	3052.5	3143.9	3235.2	3304.4	3373.7	3395.5	3417.1	3375.3	3333.5
2574.9	67.5°	2708.3	2842.1	2928.7	3015.1	3074.9	3134.7	3156.0	3177.1	3138.6	3100.4
2387.2	70°	2504.6	2622.0	2696.7	2771.5	2825.5	2879.4	2899.9	2920.4	2889.1	2857.8
2163.7	72.5°	2256.2	2348.4	2416.0	2483.5	2536.4	2589.3	2613.6	2638.0	2612.0	2586.0
1894.3	75°	1963.0	2031.7	2092.9	2154.0	2202.2	2250.4	2275.9	2301.3	2288.6	2275.9
1609.2	77.5°	1665.1	1720.7	1773.3	1826.0	1876.6	1927.0	1950.8	1974.6	1956.9	1938.6
1284.7	80°	1331.2	1377.4	1421.7	1466.0	1504.5	1542.7	1574.3	1605.8	1598.1	1590.6
966.3	82.5°	962.4	958.5	943.0	927.5	1009.5	1091.4	1145.1	1198.8	1195.5	1191.9
600.8	85°	580.9	560.7	517.7	474.8	551.5	628.5	694.9	761.4	755.9	750.3
279.1	87.5°	278.3	277.4	244.8	211.8	243.9	276.3	303.2	330.0	323.4	316.2
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: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
6593.4	2.5°	6574.3	6550.7	6574.3	6593.4	6612.2	6632.7	6653.2	6679.5	6705.8	6738.4
6177.2	5°	6157.6	6138.2	6157.6	6177.2	6196.9	6222.6	6248.4	6284.7	6320.9	6373.0
5928.0	7.5°	5910.6	5897.3	5910.6	5928.0	5945.8	5975.1	6004.7	6047.9	6091.1	6152.6
5860.2	10°	5845.3	5839.2	5845.3	5860.2	5875.2	5903.1	5931.1	5979.8	6028.0	6101.9
5964.9	12.5°	5952.1	5949.9	5952.1	5964.9	5977.6	6008.6	6039.9	6102.2	6164.5	6258.6
6161.7	15°	6145.1	6143.7	6145.1	6161.7	6178.3	6221.5	6265.0	6359.7	6454.4	6588.4
6331.7	17.5°	6310.4	6307.1	6310.4	6331.7	6352.8	6417.3	6481.5	6621.1	6760.6	6938.1
6422.0	20°	6395.7	6387.4	6395.7	6422.0	6448.3	6530.8	6613.0	6783.9	6955.0	7157.6
6415.1	22.5°	6386.0	6373.5	6386.0	6415.1	6444.1	6531.1	6617.7	6794.1	6970.2	7164.0
6306.0	25°	6278.8	6262.8	6278.8	6306.0	6333.4	6408.4	6483.7	6639.9	6796.6	6955.2
6107.7	27.5°	6095.3	6091.1	6095.3	6107.7	6120.2	6170.9	6221.3	6342.8	6464.3	6577.3
5846.1	30°	5846.1	5850.2	5846.1	5846.1	5846.1	5872.1	5897.9	5985.4	6072.3	6158.7
5541.8	32.5°	5544.3	5548.5	5544.3	5541.8	5539.6	5556.5	5573.4	5642.9	5712.4	5791.8
5230.1	35°	5224.5	5221.8	5224.5	5230.1	5235.6	5261.1	5286.8	5350.8	5415.0	5471.2
4925.2	37.5°	4900.6	4886.7	4900.6	4925.2	4949.9	4996.4	5043.2	5102.4	5161.4	5187.4
4638.1	40°	4592.7	4565.6	4592.7	4638.1	4684.1	4751.6	4819.7	4869.9	4920.0	4913.9
4357.6	42.5°	4290.9	4247.2	4290.9	4357.6	4424.4	4508.8	4593.3	4635.3	4677.7	4645.9
4099.1	45°	4020.7	3970.3	4020.7	4099.1	4177.4	4273.8	4370.4	4408.3	4446.5	4400.8
3949.8	47.5°	3877.6	3829.1	3877.6	3949.8	4022.4	4108.2	4194.0	4220.6	4247.2	4194.6
3884.5	50°	3817.5	3771.0	3817.5	3884.5	3951.5	4020.1	4088.8	4089.9	4091.6	4024.0
3846.0	52.5°	3786.2	3743.3	3786.2	3846.0	3906.1	3962.0	4017.9	4003.5	3989.1	3909.1
3801.4	55°	3748.8	3710.0	3748.8	3801.4	3854.0	3902.7	3951.5	3931.5	3911.6	3826.6
3730.5	57.5°	3678.2	3638.1	3678.2	3730.5	3782.6	3831.9	3881.2	3860.9	3840.7	3755.5
3633.6	60°	3579.9	3538.4	3579.9	3633.6	3687.3	3735.2	3783.4	3761.3	3739.1	3653.3
3484.1	62.5°	3427.6	3377.8	3427.6	3484.1	3540.6	3584.1	3627.5	3606.2	3584.9	3506.3
3278.7	65°	3224.1	3181.2	3224.1	3278.7	3333.5	3375.3	3417.1	3395.5	3373.7	3304.4
3049.4	67.5°	2998.5	2959.7	2998.5	3049.4	3100.4	3138.6	3177.1	3156.0	3134.7	3074.9
2809.1	70°	2760.4	2716.1	2760.4	2809.1	2857.8	2889.1	2920.4	2899.9	2879.4	2825.5
2539.4	72.5°	2493.2	2450.3	2493.2	2539.4	2586.0	2612.0	2638.0	2613.6	2589.3	2536.4
2236.8	75°	2197.8	2156.8	2197.8	2236.8	2275.9	2288.6	2301.3	2275.9	2250.4	2202.2
1899.3	77.5°	1860.0	1827.3	1860.0	1899.3	1938.6	1956.9	1974.6	1950.8	1927.0	1876.6
1537.7	80°	1484.6	1423.1	1484.6	1537.7	1590.6	1598.1	1605.8	1574.3	1542.7	1504.5
1147.3	82.5°	1102.5	1063.2	1102.5	1147.3	1191.9	1195.5	1198.8	1145.1	1091.4	1009.5
715.4	85°	680.5	645.1	680.5	715.4	750.3	755.9	761.4	694.9	628.5	551.5
298.5	87.5°	280.2	263.0	280.2	298.5	316.2	323.4	330.0	303.2	276.3	243.9
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: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
6770.8	2.5°	6812.6	6854.7	6896.5	6938.3	6986.0	7033.9	7086.7	7139.9	7205.5	7264.5
6424.8	5°	6492.3	6559.6	6633.8	6708.0	6791.9	6876.0	6976.6	7076.8	7191.7	7308.0
6214.3	7.5°	6296.6	6379.1	6472.7	6566.0	6676.7	6787.5	6920.6	7054.1	7202.8	7361.4
6175.6	10°	6268.3	6361.1	6461.9	6562.4	6673.1	6783.9	6924.5	7065.2	7224.9	7420.7
6352.8	12.5°	6448.6	6544.6	6623.3	6702.5	6775.5	6849.2	6963.8	7079.0	7227.7	7433.4
6722.4	15°	6805.7	6889.1	6909.6	6930.0	6920.1	6910.1	6964.9	7020.0	7139.1	7366.9
7115.5	17.5°	7182.5	7249.8	7185.9	7121.6	7000.9	6880.2	6860.3	6840.1	6913.4	7181.4
7360.6	20°	7391.9	7422.9	7288.6	7154.3	6944.4	6734.8	6640.7	6546.6	6566.0	6878.0
7357.8	22.5°	7339.3	7320.4	7145.7	6971.0	6731.2	6492.0	6352.8	6213.5	6175.6	6530.8
7114.2	25°	7050.2	6986.0	6814.0	6642.1	6426.7	6211.6	6051.0	5890.4	5788.0	6152.0
6690.5	27.5°	6618.8	6547.4	6409.5	6271.6	6095.0	5918.1	5763.0	5608.0	5483.4	5814.8
6244.8	30°	6186.6	6128.5	6013.9	5899.5	5752.8	5606.0	5482.6	5359.6	5261.9	5540.2
5871.0	32.5°	5806.2	5741.7	5631.8	5522.2	5404.8	5287.7	5214.8	5142.0	5098.5	5322.8
5527.7	35°	5450.2	5372.6	5263.8	5155.3	5066.2	4976.7	4956.5	4936.6	4954.6	5141.5
5213.4	37.5°	5117.7	5021.9	4913.3	4805.1	4741.1	4676.9	4699.0	4721.2	4787.1	4950.4
4907.5	40°	4797.0	4686.8	4582.2	4477.5	4431.3	4385.1	4435.2	4485.3	4586.3	4734.5
4614.0	42.5°	4495.0	4375.9	4276.5	4177.4	4139.5	4101.8	4168.3	4234.7	4362.1	4498.6
4355.2	45°	4231.7	4108.2	4014.1	3919.9	3887.8	3856.2	3920.7	3985.5	4108.7	4247.2
4142.0	47.5°	4020.1	3898.3	3806.4	3714.2	3684.6	3654.7	3708.9	3763.2	3869.2	4047.8
3956.5	50°	3847.4	3738.3	3651.6	3564.7	3517.9	3471.4	3519.3	3567.5	3690.7	3925.5
3829.1	52.5°	3727.2	3625.6	3546.1	3466.4	3396.6	3326.6	3373.9	3421.6	3593.8	3863.7
3741.9	55°	3653.0	3563.9	3478.0	3392.2	3293.1	3193.7	3268.7	3344.0	3603.5	3854.6
3669.9	57.5°	3581.6	3493.5	3392.8	3292.0	3185.1	3078.2	3187.9	3297.5	3613.1	3834.6
3567.5	60°	3477.8	3388.3	3272.6	3156.9	3063.3	2969.4	3111.7	3253.8	3582.7	3728.9
3427.6	62.5°	3332.1	3236.6	3101.5	2966.7	2907.1	2847.6	3025.1	3202.8	3507.9	3525.9
3235.2	65°	3143.9	3052.5	2907.7	2763.2	2740.5	2717.5	2906.6	3095.4	3328.0	3325.8
3015.1	67.5°	2928.7	2842.1	2708.3	2574.9	2582.1	2589.3	2746.5	2903.8	3034.5	3040.6
2771.5	70°	2696.7	2622.0	2504.6	2387.2	2412.1	2437.0	2548.9	2660.7	2703.6	2703.6
2483.5	72.5°	2416.0	2348.4	2256.2	2163.7	2200.0	2236.6	2313.2	2389.9	2389.4	2362.2
2154.0	75°	2092.9	2031.7	1963.0	1894.3	1929.5	1964.4	2023.6	2082.6	2093.1	1968.0
1826.0	77.5°	1773.3	1720.7	1665.1	1609.2	1644.6	1680.0	1727.4	1774.7	1780.3	1574.0
1466.0	80°	1421.7	1377.4	1331.2	1284.7	1314.6	1344.2	1384.1	1423.7	1424.5	1178.1
927.5	82.5°	943.0	958.5	962.4	966.3	987.3	1008.4	1027.7	1047.1	1035.5	825.1
474.8	85°	517.7	560.7	580.9	600.8	624.3	647.9	668.6	689.4	674.2	517.7
211.8	87.5°	244.8	277.4	278.3	279.1	283.5	287.9	296.3	304.6	285.2	220.1
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: P955697
 CATALOG NUMBER: GALN-SB8C-827-U-SLL

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
7215.2	0°	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2	7215.2
7325.4	2.5°	7386.3	7450.0	7513.7	7576.8	7640.2	7699.7	7759.3
7431.2	5°	7554.4	7686.2	7818.2	7949.2	8080.4	8211.9	8343.5
7533.3	7.5°	7705.3	7900.5	8095.7	8296.1	8496.6	8713.4	8930.4
7624.4	10°	7827.6	8064.9	8301.9	8566.6	8831.6	9106.0	9380.3
7663.5	12.5°	7893.5	8173.2	8452.8	8752.9	9053.1	9354.3	9655.8
7633.3	15°	7899.6	8221.6	8543.6	8869.2	9194.8	9509.1	9823.3
7501.8	17.5°	7822.1	8195.9	8569.7	8924.9	9280.1	9598.8	9917.5
7275.0	20°	7672.0	8125.0	8578.0	8968.4	9358.7	9690.1	10021.3
7008.9	22.5°	7487.1	8038.1	8589.0	9027.0	9464.8	9803.4	10141.7
6711.9	25°	7272.0	7952.2	8632.8	9133.4	9633.7	9965.1	10296.8
6440.3	27.5°	7065.7	7894.9	8724.2	9299.5	9874.5	10191.0	10507.2
6213.2	30°	6886.3	7868.1	8849.3	9514.6	10179.9	10485.3	10791.0
6017.5	32.5°	6711.9	7834.8	8957.3	9739.2	10521.0	10823.4	11126.0
5825.1	35°	6508.6	7772.3	9036.5	9995.0	10953.5	11243.4	11533.0
5598.6	37.5°	6246.7	7665.1	9083.5	10281.5	11479.6	11848.9	12218.2
5328.4	40°	5922.2	7517.6	9113.2	10645.3	12177.3	12715.5	13253.7
5030.2	42.5°	5561.8	7365.3	9169.4	11121.3	13073.2	13850.1	14627.0
4713.4	45°	5179.7	7223.8	9268.2	11747.6	14226.9	15274.9	16322.8
4462.9	47.5°	4877.9	7107.0	9336.0	12414.8	15493.6	16968.8	18443.6
4296.5	50°	4667.5	6979.6	9291.7	13033.9	16776.1	18999.9	21223.4
4186.8	52.5°	4510.2	6764.5	9019.0	13435.9	17852.5	21133.4	24414.3
4107.4	55°	4360.1	6407.9	8455.6	13347.3	18238.8	23025.0	27811.5
4013.2	57.5°	4191.8	5905.1	7618.1	12723.8	17829.8	24365.6	30901.4
3869.2	60°	4009.6	5252.2	6494.8	11563.4	16632.1	24700.6	32768.9
3619.0	62.5°	3712.3	4470.9	5229.5	9994.4	14759.3	23290.0	31820.6
3369.8	65°	3413.8	3767.9	4122.0	8393.6	12665.4	21294.0	29922.7
3016.2	67.5°	2991.6	3092.4	3192.9	6825.4	10457.9	18918.8	27379.6
2589.8	70°	2475.8	2447.2	2418.5	5374.0	8329.6	16327.0	24324.4
2200.8	72.5°	2039.1	1952.2	1865.5	4108.5	6351.4	13517.3	20683.5
1786.9	75°	1605.8	1527.2	1448.6	2981.9	4515.2	10296.5	16077.8
1398.2	77.5°	1222.4	1168.7	1115.2	2020.6	2926.0	7206.6	11487.3
1029.4	80°	880.4	858.3	836.1	1301.8	1767.8	4643.1	7518.4
715.4	82.5°	605.8	601.4	597.5	800.7	1004.5	2687.3	4370.4
437.5	85°	357.2	359.4	361.3	428.0	495.0	1208.8	1922.9
187.2	87.5°	154.5	156.4	158.4	177.5	196.6	395.9	595.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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