

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: P957295

Luminaire Tested: **GALN-SB9C-940-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957295
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-SB9C-940-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49253 lumens
Efficiency: N/A
Efficacy: 109.5 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

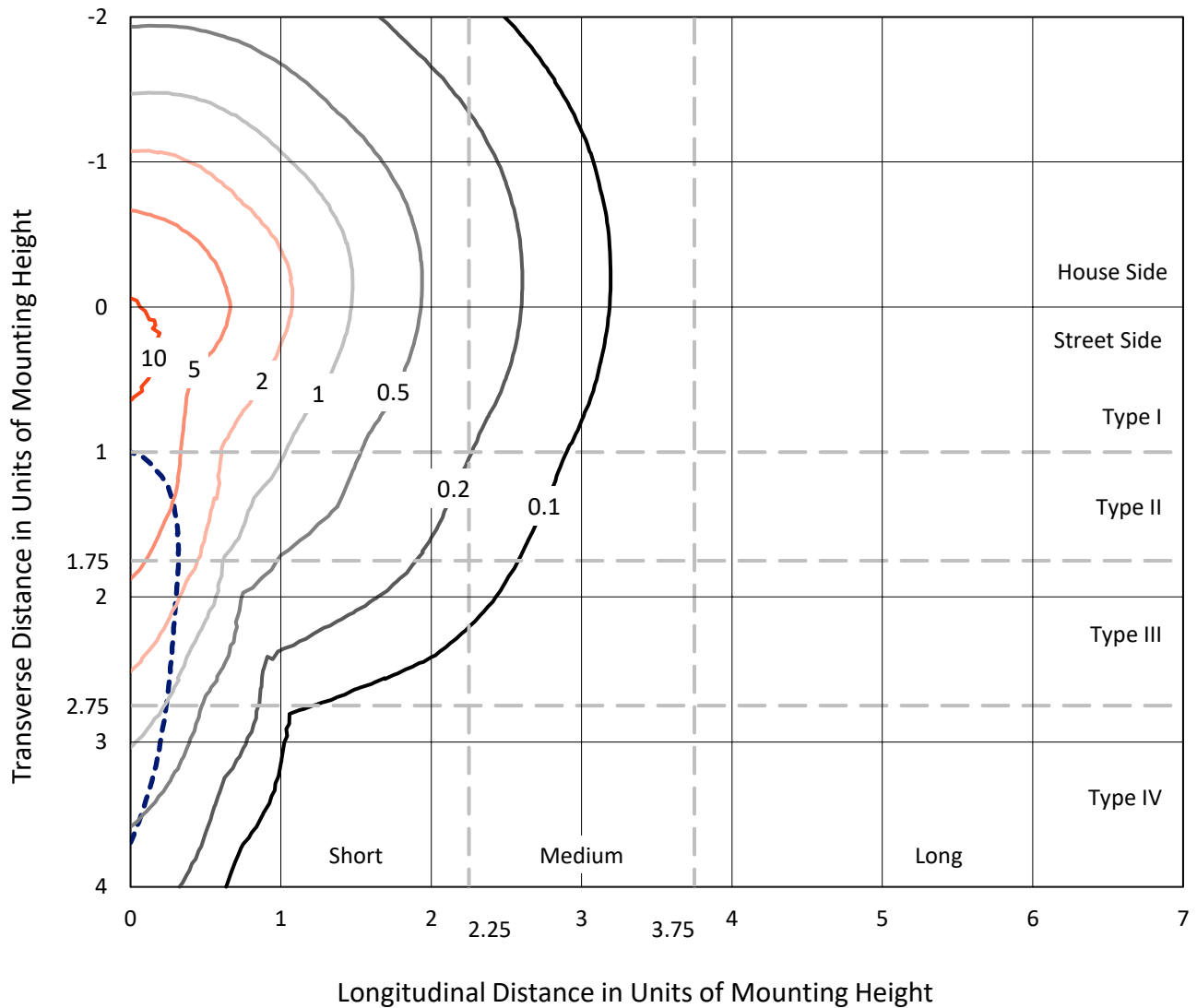
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

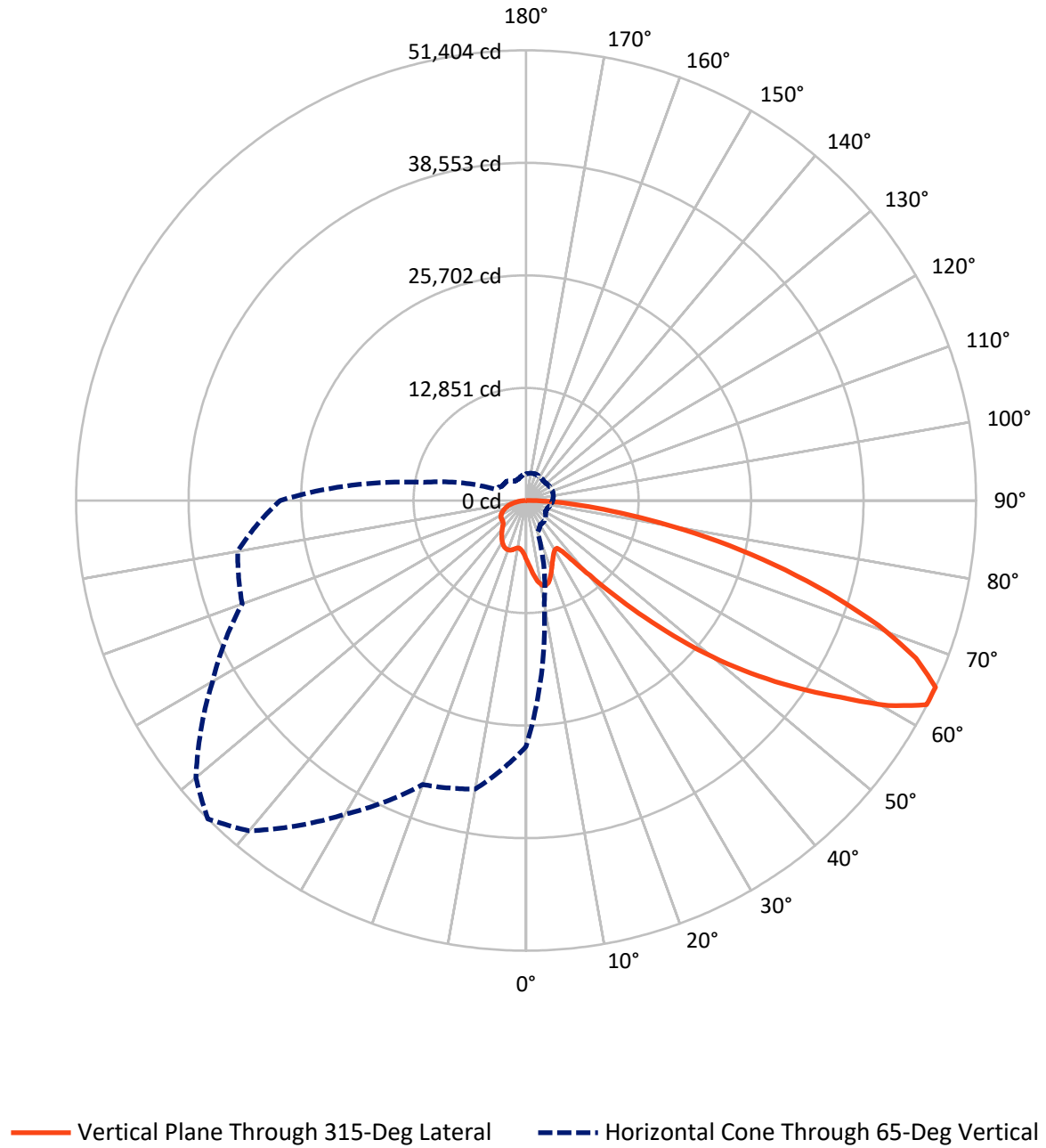
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
 Type IV - Short - N/A

REPORT NUMBER: P957295
CATALOG NUMBER: GALN-SB9C-940-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P957295

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12517.6	0.0	12517.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	36735.4	0.0	36735.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	49253.0	0.0	49253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.8	1.4
10°-20°	2109.1	4.3
20°-30°	3257.8	6.6
30°-40°	4128.4	8.4
40°-50°	6226.7	12.6
50°-60°	10060.2	20.4
60°-70°	12541.6	25.5
70°-80°	8224.2	16.7
80°-90°	2033.2	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°	49253.0	100.0
0°-180°	49253.0	100.0

Coefficient of Utilization



REPORT NUMBER: P957295

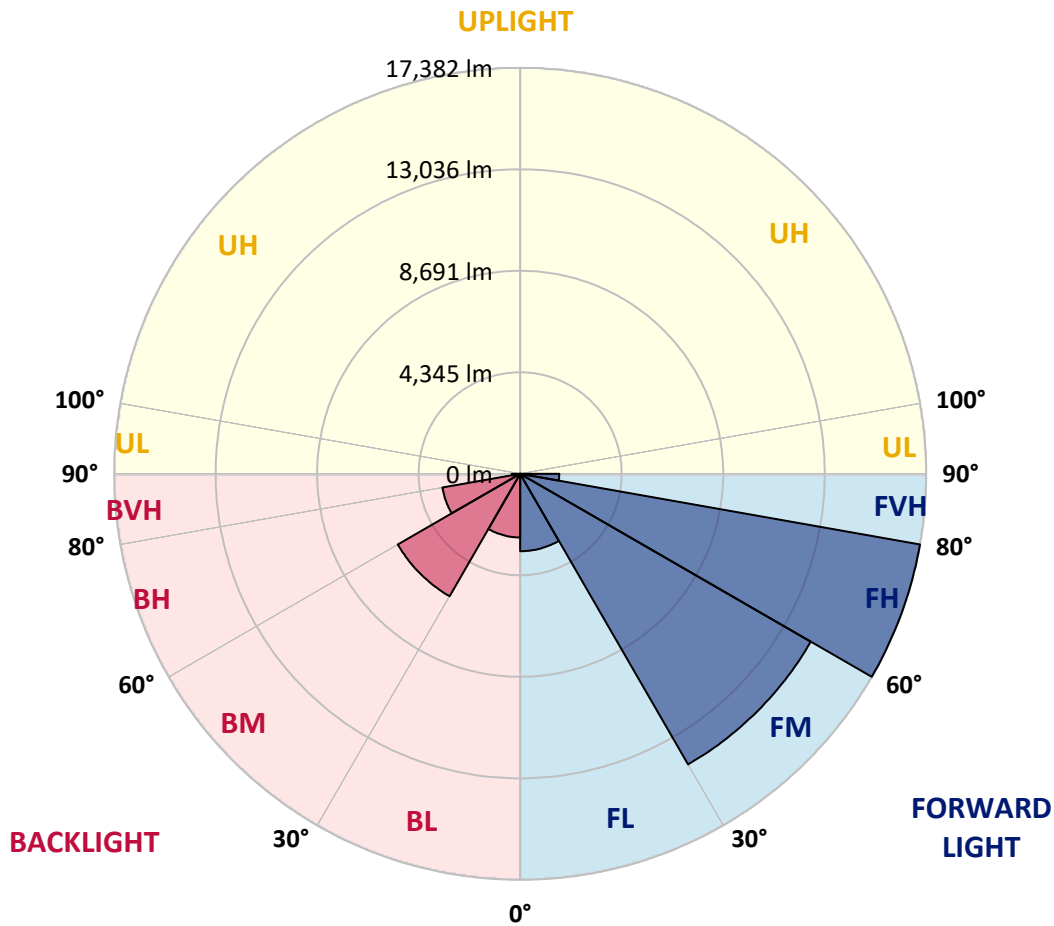
CATALOG NUMBER: GALN-SB9C-940-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3312.8	6.7			
FM (30°-60°)	14366.0	29.2			
FH (60°-80°)	17381.6	35.3			G5
FVH (80°-90°)	1674.9	3.4			G5
BL (0°-30°)	2725.9	5.5	B4/5000		
BM (30°-60°)	6049.3	12.3	B4/8500		
BH (60°-80°)	3384.2	6.9	B4/5000		G4/5000
BVH (80°-90°)	358.3	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: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
2.5°	7283.4	7227.5	7171.6	7112.1	7052.9	6993.1	6933.3	6876.1	6819.0	6763.6
5°	7831.8	7708.3	7584.9	7461.7	7338.8	7214.8	7091.1	6975.4	6859.8	6750.6
7.5°	8382.7	8179.0	7975.5	7787.3	7599.2	7415.9	7232.7	7071.3	6909.9	6761.0
10°	8805.0	8547.5	8289.9	8041.2	7792.8	7570.3	7347.6	7156.8	6965.5	6781.8
12.5°	9063.6	8780.6	8497.9	8216.1	7934.4	7671.9	7409.4	7193.5	6977.5	6784.4
15°	9220.9	8925.9	8630.9	8325.3	8019.7	7717.4	7415.2	7165.1	6915.1	6701.2
17.5°	9309.2	9010.1	8711.0	8377.5	8044.1	7693.2	7342.4	7041.7	6741.0	6489.4
20°	9406.7	9095.9	8784.8	8418.3	8051.9	7626.7	7201.5	6828.8	6456.2	6163.3
22.5°	9519.7	9202.2	8884.3	8473.4	8062.3	7545.1	7027.9	6579.1	6130.3	5796.8
25°	9665.3	9353.9	9042.8	8573.2	8103.3	7464.5	6826.0	6300.2	5774.7	5433.0
27.5°	9862.8	9566.0	9268.9	8729.2	8189.1	7410.7	6632.4	6045.3	5458.2	5147.1
30°	10129.2	9842.3	9555.6	8931.1	8306.6	7385.5	6464.0	5832.2	5200.4	4939.2
32.5°	10443.6	10159.6	9875.8	9141.9	8407.9	7354.3	6300.2	5648.4	4996.4	4785.9
35°	10825.7	10553.8	10281.7	9382.0	8482.3	7295.6	6109.5	5467.8	4826.1	4650.7
37.5°	11468.9	11122.2	10775.5	9651.0	8526.4	7195.0	5863.6	5255.2	4646.8	4493.5
40°	12440.9	11935.7	11430.4	9992.5	8554.3	7056.5	5559.0	5001.6	4444.1	4305.1
42.5°	13729.9	13000.7	12271.4	10439.2	8607.0	6913.6	5220.7	4721.7	4222.7	4094.6
45°	15321.8	14338.1	13354.4	11027.1	8699.8	6780.8	4862.0	4424.4	3986.7	3856.8
47.5°	17312.5	15928.1	14543.4	11653.4	8763.5	6671.1	4578.7	4189.2	3799.6	3632.0
50°	19921.8	17834.6	15747.2	12234.5	8721.9	6551.5	4381.2	4033.0	3684.7	3464.3
52.5°	22917.0	19837.3	16757.7	12611.9	8465.9	6349.6	4233.6	3930.0	3626.8	3373.4
55°	26105.9	21612.9	17120.2	12528.7	7937.0	6014.9	4092.7	3855.5	3618.2	3382.5
57.5°	29006.2	22871.3	16736.3	11943.5	7150.9	5542.9	3934.7	3767.1	3599.5	3391.6
60°	30759.2	23185.8	15612.1	10854.3	6096.5	4930.1	3763.7	3632.0	3500.2	3363.0
62.5°	29869.1	21861.6	13854.2	9381.5	4908.8	4196.7	3484.6	3397.0	3309.7	3292.8
65°	28087.5	19988.1	11888.6	7878.8	3869.2	3536.8	3204.4	3163.1	3121.8	3123.9
67.5°	25700.4	17758.5	9816.5	6406.8	2997.0	2902.7	2808.1	2831.2	2854.1	2848.4
70°	22832.6	15325.7	7818.8	5044.4	2270.1	2297.2	2323.9	2431.0	2537.8	2537.8
72.5°	19415.0	12688.3	5961.9	3856.5	1751.1	1832.5	1914.1	2065.9	2217.4	2242.8
75°	15091.8	9665.0	4238.3	2799.0	1359.7	1433.5	1507.4	1677.3	1847.3	1964.8
77.5°	10782.8	6764.7	2746.5	1896.7	1046.8	1097.0	1147.4	1312.4	1477.5	1671.1
80°	7057.3	4358.3	1659.4	1222.0	784.9	805.7	826.4	966.3	1105.8	1337.1
82.5°	4102.4	2522.5	942.9	751.6	560.8	564.5	568.6	671.6	774.5	972.0
85°	1804.9	1134.7	464.7	401.8	339.2	337.3	335.3	410.6	486.0	632.8
87.5°	558.8	371.6	184.5	166.6	148.7	146.8	145.0	175.7	206.6	267.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
6772.7	0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
6702.0	2.5°	6652.1	6602.5	6557.5	6512.8	6473.6	6434.3	6394.8	6355.6	6325.2	6294.5
6642.8	5°	6548.7	6454.3	6375.3	6296.6	6226.9	6157.3	6094.1	6030.7	5982.1	5933.3
6621.5	7.5°	6496.2	6371.2	6267.2	6163.3	6075.7	5987.8	5910.4	5833.2	5775.3	5717.6
6631.9	10°	6499.8	6367.8	6263.8	6159.9	6065.6	5971.0	5883.9	5796.8	5727.7	5658.3
6644.8	12.5°	6536.7	6429.1	6360.0	6291.4	6217.1	6143.3	6053.1	5963.2	5874.8	5786.4
6589.5	15°	6537.8	6486.3	6495.7	6505.0	6485.8	6466.6	6388.3	6310.1	6184.3	6058.5
6420.6	17.5°	6439.5	6458.2	6571.6	6684.9	6745.2	6805.2	6742.0	6679.2	6512.6	6346.0
6145.1	20°	6233.4	6321.8	6518.5	6715.5	6841.6	6967.6	6938.5	6909.2	6718.7	6528.4
5832.4	22.5°	5963.2	6093.9	6318.4	6543.5	6707.5	6871.5	6889.1	6906.6	6724.6	6542.7
5529.1	25°	5679.9	5830.6	6032.5	6234.7	6396.1	6557.5	6617.8	6677.9	6528.7	6379.8
5264.1	27.5°	5409.6	5555.1	5721.2	5887.0	6016.4	6145.9	6212.9	6280.2	6173.9	6067.9
5030.9	30°	5146.3	5262.2	5400.0	5537.7	5645.1	5752.6	5807.2	5861.8	5781.0	5699.9
4826.7	32.5°	4895.0	4963.4	5073.3	5183.5	5286.4	5389.6	5450.1	5510.9	5436.6	5362.0
4633.8	35°	4652.5	4671.5	4755.5	4839.1	4941.0	5043.1	5115.9	5188.7	5135.7	5082.9
4431.6	37.5°	4410.8	4390.0	4450.3	4510.4	4612.0	4713.9	4803.8	4893.7	4869.3	4844.9
4210.2	40°	4163.2	4116.1	4159.5	4202.9	4301.2	4399.4	4502.8	4606.5	4612.5	4618.2
3975.0	42.5°	3912.6	3850.3	3885.6	3921.2	4014.2	4107.5	4219.3	4331.1	4360.9	4390.8
3741.1	45°	3680.3	3619.7	3649.4	3679.5	3767.9	3856.2	3972.1	4088.1	4130.9	4173.8
3532.4	47.5°	3481.5	3430.5	3458.6	3486.4	3573.0	3659.2	3773.6	3887.9	3937.3	3986.7
3348.7	50°	3303.5	3258.5	3302.2	3346.1	3427.7	3509.0	3611.4	3713.8	3777.2	3840.6
3211.7	52.5°	3167.0	3122.6	3188.3	3253.8	3328.7	3403.2	3498.6	3594.3	3669.4	3744.5
3138.9	55°	3068.3	2997.8	3091.1	3184.2	3264.7	3345.3	3429.0	3512.4	3591.9	3671.7
3095.3	57.5°	2992.4	2889.4	2989.8	3090.1	3184.7	3279.3	3361.9	3444.8	3525.1	3605.2
3054.2	60°	2920.9	2787.3	2875.4	2963.3	3071.9	3180.5	3264.5	3348.7	3429.2	3509.8
3006.4	62.5°	2839.5	2673.0	2728.8	2784.7	2911.3	3038.1	3127.8	3217.4	3291.2	3365.0
2905.6	65°	2728.3	2550.8	2572.4	2593.7	2729.4	2865.3	2951.0	3036.8	3101.8	3166.7
2725.7	67.5°	2578.1	2430.5	2423.7	2417.0	2542.2	2667.8	2749.1	2830.2	2886.3	2942.5
2497.5	70°	2392.5	2287.5	2264.2	2240.8	2351.0	2461.2	2531.3	2601.5	2652.2	2702.8
2243.4	72.5°	2171.4	2099.4	2065.1	2031.0	2117.8	2204.4	2267.8	2331.2	2380.8	2430.5
1954.9	75°	1899.5	1843.9	1811.2	1778.2	1842.6	1907.1	1964.5	2021.9	2067.2	2112.4
1665.9	77.5°	1621.4	1577.0	1543.7	1510.5	1563.0	1615.2	1664.6	1714.0	1761.5	1808.8
1336.4	80°	1299.2	1261.8	1234.0	1205.9	1249.5	1292.9	1334.5	1376.1	1412.2	1448.1
982.9	82.5°	964.7	946.5	926.8	907.0	903.4	899.7	885.2	870.6	947.6	1024.5
647.1	85°	627.6	608.1	586.1	564.0	545.2	526.3	486.0	445.7	517.7	589.9
285.9	87.5°	278.1	270.3	266.1	262.0	261.2	260.4	229.7	198.8	229.0	259.4
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: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
6772.7	0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
6269.8	2.5°	6245.1	6225.9	6206.7	6189.0	6171.1	6149.0	6171.1	6189.0	6206.7	6225.9
5899.2	5°	5865.2	5841.0	5816.8	5798.4	5779.9	5761.7	5779.9	5798.4	5816.8	5841.0
5677.0	7.5°	5636.5	5608.7	5581.1	5564.5	5548.1	5535.6	5548.1	5564.5	5581.1	5608.7
5613.1	10°	5567.3	5541.1	5514.8	5500.8	5486.8	5481.1	5486.8	5500.8	5514.8	5541.1
5728.0	12.5°	5669.5	5640.1	5611.0	5599.1	5587.1	5585.0	5587.1	5599.1	5611.0	5640.1
5969.7	15°	5880.8	5840.0	5799.4	5783.8	5768.2	5766.9	5768.2	5783.8	5799.4	5840.0
6215.0	17.5°	6084.0	6023.7	5963.2	5943.4	5923.4	5920.3	5923.4	5943.4	5963.2	6023.7
6367.8	20°	6207.5	6130.3	6052.8	6028.1	6003.4	5995.6	6003.4	6028.1	6052.8	6130.3
6377.4	22.5°	6211.9	6130.5	6048.9	6021.6	5994.3	5982.6	5994.3	6021.6	6048.9	6130.5
6232.7	25°	6086.1	6015.4	5945.0	5919.2	5893.8	5878.7	5893.8	5919.2	5945.0	6015.4
5953.8	27.5°	5839.7	5792.4	5744.9	5733.2	5721.5	5717.6	5721.5	5733.2	5744.9	5792.4
5618.3	30°	5536.2	5512.0	5487.6	5487.6	5487.6	5491.5	5487.6	5487.6	5487.6	5512.0
5296.8	32.5°	5231.6	5215.7	5199.9	5201.9	5204.3	5208.2	5204.3	5201.9	5199.9	5215.7
5022.6	35°	4962.6	4938.4	4914.5	4909.3	4904.1	4901.5	4904.1	4909.3	4914.5	4938.4
4789.5	37.5°	4733.9	4690.0	4646.3	4623.2	4600.0	4587.0	4600.0	4623.2	4646.3	4690.0
4571.2	40°	4524.2	4460.2	4396.8	4353.7	4311.0	4285.6	4311.0	4353.7	4396.8	4460.2
4351.1	42.5°	4311.6	4232.3	4153.0	4090.4	4027.8	3986.7	4027.8	4090.4	4153.0	4232.3
4138.0	45°	4102.4	4011.6	3921.2	3847.7	3774.1	3726.8	3774.1	3847.7	3921.2	4011.6
3961.8	47.5°	3936.8	3856.2	3775.7	3707.6	3639.7	3594.3	3639.7	3707.6	3775.7	3856.2
3839.1	50°	3838.0	3773.6	3709.1	3646.2	3583.4	3539.7	3583.4	3646.2	3709.1	3773.6
3758.0	52.5°	3771.5	3719.0	3666.5	3610.1	3554.0	3513.7	3554.0	3610.1	3666.5	3719.0
3690.4	55°	3709.1	3663.4	3617.7	3568.3	3518.9	3482.5	3518.9	3568.3	3617.7	3663.4
3624.2	57.5°	3643.1	3596.9	3550.6	3501.7	3452.6	3414.9	3452.6	3501.7	3550.6	3596.9
3530.6	60°	3551.4	3506.2	3461.2	3410.8	3360.4	3321.4	3360.4	3410.8	3461.2	3506.2
3385.1	62.5°	3405.1	3364.3	3323.5	3270.4	3217.4	3170.6	3217.4	3270.4	3323.5	3364.3
3187.3	65°	3207.6	3168.3	3129.1	3077.6	3026.4	2986.1	3026.4	3077.6	3129.1	3168.3
2962.5	67.5°	2982.2	2946.1	2910.2	2862.4	2814.6	2778.2	2814.6	2862.4	2910.2	2946.1
2722.1	70°	2741.3	2711.9	2682.6	2636.8	2591.1	2549.5	2591.1	2636.8	2682.6	2711.9
2453.4	72.5°	2476.2	2451.8	2427.4	2383.7	2340.3	2300.0	2340.3	2383.7	2427.4	2451.8
2136.3	75°	2160.2	2148.2	2136.3	2099.6	2063.0	2024.5	2063.0	2099.6	2136.3	2148.2
1831.2	77.5°	1853.5	1836.9	1819.7	1782.8	1745.9	1715.3	1745.9	1782.8	1819.7	1836.9
1477.7	80°	1507.4	1500.1	1493.1	1443.4	1393.5	1335.8	1393.5	1443.4	1493.1	1500.1
1074.9	82.5°	1125.3	1122.2	1118.8	1077.0	1034.9	998.0	1034.9	1077.0	1118.8	1122.2
652.3	85°	714.7	709.5	704.3	671.6	638.8	605.5	638.8	671.6	704.3	709.5
284.6	87.5°	309.8	303.6	296.8	280.2	263.0	246.9	263.0	280.2	296.8	303.6
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: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
6772.7	0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
6245.1	2.5°	6269.8	6294.5	6325.2	6355.6	6394.8	6434.3	6473.6	6512.8	6557.5	6602.5
5865.2	5°	5899.2	5933.3	5982.1	6030.7	6094.1	6157.3	6226.9	6296.6	6375.3	6454.3
5636.5	7.5°	5677.0	5717.6	5775.3	5833.2	5910.4	5987.8	6075.7	6163.3	6267.2	6371.2
5567.3	10°	5613.1	5658.3	5727.7	5796.8	5883.9	5971.0	6065.6	6159.9	6263.8	6367.8
5669.5	12.5°	5728.0	5786.4	5874.8	5963.2	6053.1	6143.3	6217.1	6291.4	6360.0	6429.1
5880.8	15°	5969.7	6058.5	6184.3	6310.1	6388.3	6466.6	6485.8	6505.0	6495.7	6486.3
6084.0	17.5°	6215.0	6346.0	6512.6	6679.2	6742.0	6805.2	6745.2	6684.9	6571.6	6458.2
6207.5	20°	6367.8	6528.4	6718.7	6909.2	6938.5	6967.6	6841.6	6715.5	6518.5	6321.8
6211.9	22.5°	6377.4	6542.7	6724.6	6906.6	6889.1	6871.5	6707.5	6543.5	6318.4	6093.9
6086.1	25°	6232.7	6379.8	6528.7	6677.9	6617.8	6557.5	6396.1	6234.7	6032.5	5830.6
5839.7	27.5°	5953.8	6067.9	6173.9	6280.2	6212.9	6145.9	6016.4	5887.0	5721.2	5555.1
5536.2	30°	5618.3	5699.9	5781.0	5861.8	5807.2	5752.6	5645.1	5537.7	5400.0	5262.2
5231.6	32.5°	5296.8	5362.0	5436.6	5510.9	5450.1	5389.6	5286.4	5183.5	5073.3	4963.4
4962.6	35°	5022.6	5082.9	5135.7	5188.7	5115.9	5043.1	4941.0	4839.1	4755.5	4671.5
4733.9	37.5°	4789.5	4844.9	4869.3	4893.7	4803.8	4713.9	4612.0	4510.4	4450.3	4390.0
4524.2	40°	4571.2	4618.2	4612.5	4606.5	4502.8	4399.4	4301.2	4202.9	4159.5	4116.1
4311.6	42.5°	4351.1	4390.8	4360.9	4331.1	4219.3	4107.5	4014.2	3921.2	3885.6	3850.3
4102.4	45°	4138.0	4173.8	4130.9	4088.1	3972.1	3856.2	3767.9	3679.5	3649.4	3619.7
3936.8	47.5°	3961.8	3986.7	3937.3	3887.9	3773.6	3659.2	3573.0	3486.4	3458.6	3430.5
3838.0	50°	3839.1	3840.6	3777.2	3713.8	3611.4	3509.0	3427.7	3346.1	3302.2	3258.5
3771.5	52.5°	3758.0	3744.5	3669.4	3594.3	3498.6	3403.2	3328.7	3253.8	3188.3	3122.6
3709.1	55°	3690.4	3671.7	3591.9	3512.4	3429.0	3345.3	3264.7	3184.2	3091.1	2997.8
3643.1	57.5°	3624.2	3605.2	3525.1	3444.8	3361.9	3279.3	3184.7	3090.1	2989.8	2889.4
3551.4	60°	3530.6	3509.8	3429.2	3348.7	3264.5	3180.5	3071.9	2963.3	2875.4	2787.3
3405.1	62.5°	3385.1	3365.0	3291.2	3217.4	3127.8	3038.1	2911.3	2784.7	2728.8	2673.0
3207.6	65°	3187.3	3166.7	3101.8	3036.8	2951.0	2865.3	2729.4	2593.7	2572.4	2550.8
2982.2	67.5°	2962.5	2942.5	2886.3	2830.2	2749.1	2667.8	2542.2	2417.0	2423.7	2430.5
2741.3	70°	2722.1	2702.8	2652.2	2601.5	2531.3	2461.2	2351.0	2240.8	2264.2	2287.5
2476.2	72.5°	2453.4	2430.5	2380.8	2331.2	2267.8	2204.4	2117.8	2031.0	2065.1	2099.4
2160.2	75°	2136.3	2112.4	2067.2	2021.9	1964.5	1907.1	1842.6	1778.2	1811.2	1843.9
1853.5	77.5°	1831.2	1808.8	1761.5	1714.0	1664.6	1615.2	1563.0	1510.5	1543.7	1577.0
1507.4	80°	1477.7	1448.1	1412.2	1376.1	1334.5	1292.9	1249.5	1205.9	1234.0	1261.8
1125.3	82.5°	1074.9	1024.5	947.6	870.6	885.2	899.7	903.4	907.0	926.8	946.5
714.7	85°	652.3	589.9	517.7	445.7	486.0	526.3	545.2	564.0	586.1	608.1
309.8	87.5°	284.6	259.4	229.0	198.8	229.7	260.4	261.2	262.0	266.1	270.3
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: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
6772.7	0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
6652.1	2.5°	6702.0	6763.6	6819.0	6876.1	6933.3	6993.1	7052.9	7112.1	7171.6	7227.5
6548.7	5°	6642.8	6750.6	6859.8	6975.4	7091.1	7214.8	7338.8	7461.7	7584.9	7708.3
6496.2	7.5°	6621.5	6761.0	6909.9	7071.3	7232.7	7415.9	7599.2	7787.3	7975.5	8179.0
6499.8	10°	6631.9	6781.8	6965.5	7156.8	7347.6	7570.3	7792.8	8041.2	8289.9	8547.5
6536.7	12.5°	6644.8	6784.4	6977.5	7193.5	7409.4	7671.9	7934.4	8216.1	8497.9	8780.6
6537.8	15°	6589.5	6701.2	6915.1	7165.1	7415.2	7717.4	8019.7	8325.3	8630.9	8925.9
6439.5	17.5°	6420.6	6489.4	6741.0	7041.7	7342.4	7693.2	8044.1	8377.5	8711.0	9010.1
6233.4	20°	6145.1	6163.3	6456.2	6828.8	7201.5	7626.7	8051.9	8418.3	8784.8	9095.9
5963.2	22.5°	5832.4	5796.8	6130.3	6579.1	7027.9	7545.1	8062.3	8473.4	8884.3	9202.2
5679.9	25°	5529.1	5433.0	5774.7	6300.2	6826.0	7464.5	8103.3	8573.2	9042.8	9353.9
5409.6	27.5°	5264.1	5147.1	5458.2	6045.3	6632.4	7410.7	8189.1	8729.2	9268.9	9566.0
5146.3	30°	5030.9	4939.2	5200.4	5832.2	6464.0	7385.5	8306.6	8931.1	9555.6	9842.3
4895.0	32.5°	4826.7	4785.9	4996.4	5648.4	6300.2	7354.3	8407.9	9141.9	9875.8	10159.6
4652.5	35°	4633.8	4650.7	4826.1	5467.8	6109.5	7295.6	8482.3	9382.0	10281.7	10553.8
4410.8	37.5°	4431.6	4493.5	4646.8	5255.2	5863.6	7195.0	8526.4	9651.0	10775.5	11122.2
4163.2	40°	4210.2	4305.1	4444.1	5001.6	5559.0	7056.5	8554.3	9992.5	11430.4	11935.7
3912.6	42.5°	3975.0	4094.6	4222.7	4721.7	5220.7	6913.6	8607.0	10439.2	12271.4	13000.7
3680.3	45°	3741.1	3856.8	3986.7	4424.4	4862.0	6780.8	8699.8	11027.1	13354.4	14338.1
3481.5	47.5°	3532.4	3632.0	3799.6	4189.2	4578.7	6671.1	8763.5	11653.4	14543.4	15928.1
3303.5	50°	3348.7	3464.3	3684.7	4033.0	4381.2	6551.5	8721.9	12234.5	15747.2	17834.6
3167.0	52.5°	3211.7	3373.4	3626.8	3930.0	4233.6	6349.6	8465.9	12611.9	16757.7	19837.3
3068.3	55°	3138.9	3382.5	3618.2	3855.5	4092.7	6014.9	7937.0	12528.7	17120.2	21612.9
2992.4	57.5°	3095.3	3391.6	3599.5	3767.1	3934.7	5542.9	7150.9	11943.5	16736.3	22871.3
2920.9	60°	3054.2	3363.0	3500.2	3632.0	3763.7	4930.1	6096.5	10854.3	15612.1	23185.8
2839.5	62.5°	3006.4	3292.8	3309.7	3397.0	3484.6	4196.7	4908.8	9381.5	13854.2	21861.6
2728.3	65°	2905.6	3123.9	3121.8	3163.1	3204.4	3536.8	3869.2	7878.8	11888.6	19988.1
2578.1	67.5°	2725.7	2848.4	2854.1	2831.2	2808.1	2902.7	2997.0	6406.8	9816.5	17758.5
2392.5	70°	2497.5	2537.8	2537.8	2431.0	2323.9	2297.2	2270.1	5044.4	7818.8	15325.7
2171.4	72.5°	2243.4	2242.8	2217.4	2065.9	1914.1	1832.5	1751.1	3856.5	5961.9	12688.3
1899.5	75°	1954.9	1964.8	1847.3	1677.3	1507.4	1433.5	1359.7	2799.0	4238.3	9665.0
1621.4	77.5°	1665.9	1671.1	1477.5	1312.4	1147.4	1097.0	1046.8	1896.7	2746.5	6764.7
1299.2	80°	1336.4	1337.1	1105.8	966.3	826.4	805.7	784.9	1222.0	1659.4	4358.3
964.7	82.5°	982.9	972.0	774.5	671.6	568.6	564.5	560.8	751.6	942.9	2522.5
627.6	85°	647.1	632.8	486.0	410.6	335.3	337.3	339.2	401.8	464.7	1134.7
278.1	87.5°	285.9	267.7	206.6	175.7	145.0	146.8	148.7	166.6	184.5	371.6
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: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
6772.7	0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
7283.4	2.5°	7310.9	7338.8	7378.0	7417.2	7440.6	7464.0	7475.7	7487.4	7482.2	7487.4
7831.8	5°	7928.2	8024.9	8120.5	8216.4	8268.4	8320.4	8351.8	8383.5	8407.4	8383.5
8382.7	7.5°	8539.7	8696.4	8837.5	8978.7	9063.6	9148.6	9194.6	9240.4	9262.4	9240.4
8805.0	10°	8990.6	9176.2	9341.7	9507.3	9607.6	9707.4	9752.1	9796.5	9813.4	9796.5
9063.6	12.5°	9264.8	9465.7	9615.4	9764.6	9837.3	9910.1	9934.5	9959.0	9961.6	9959.0
9220.9	15°	9394.5	9567.8	9661.6	9755.7	9758.3	9760.9	9734.9	9708.9	9678.3	9708.9
9309.2	17.5°	9426.4	9543.6	9545.5	9547.0	9441.8	9336.5	9240.1	9143.4	9075.3	9143.4
9406.7	20°	9447.5	9488.6	9365.1	9241.7	9009.3	8777.0	8607.8	8438.6	8334.6	8438.6
9519.7	22.5°	9466.2	9412.7	9156.9	8901.2	8559.4	8217.7	8006.1	7794.6	7679.7	7794.6
9665.3	25°	9496.4	9327.4	8939.1	8550.9	8135.8	7720.8	7498.3	7276.4	7167.7	7276.4
9862.8	27.5°	9560.8	9258.6	8744.2	8230.2	7770.2	7310.2	7091.3	6872.8	6770.1	6872.8
10129.2	30°	9678.8	9228.7	8595.6	7962.5	7483.2	7004.0	6801.0	6598.1	6502.4	6598.1
10443.6	32.5°	9826.9	9210.5	8494.2	7778.0	7327.6	6877.2	6717.9	6558.3	6489.4	6558.3
10825.7	35°	10071.0	9316.5	8570.1	7824.0	7511.1	7198.4	7161.2	7124.1	7118.4	7124.1
11468.9	37.5°	10581.1	9693.3	9015.0	8336.7	8316.5	8296.2	8466.1	8636.1	8724.5	8636.1
12440.9	40°	11475.4	10509.9	10005.5	9501.0	9857.1	10213.1	10626.3	11039.6	11245.4	11039.6
13729.9	42.5°	12772.0	11814.0	11523.5	11232.9	12009.5	12786.0	13537.6	14289.2	14730.5	14289.2
15321.8	45°	14461.3	13600.5	13472.4	13344.0	14588.1	15832.4	17067.4	18302.7	19052.5	18302.7
17312.5	47.5°	16475.4	15638.1	15612.1	15586.1	17380.9	19175.1	20983.2	22791.0	23852.6	22791.0
19921.8	50°	18887.7	17853.9	17858.3	17862.7	20175.7	22488.7	24875.3	27261.9	28704.8	27261.9
22917.0	52.5°	21664.9	20413.0	20286.4	20159.6	22922.5	25685.4	28638.2	31590.8	33320.4	31590.8
26105.9	55°	24868.8	23631.7	23138.2	22644.7	25719.7	28794.4	32314.6	35834.8	37891.8	35834.8
29006.2	57.5°	28332.6	27658.7	26668.8	25679.1	28784.0	31888.9	35876.1	39863.1	42413.9	39863.1
30759.2	60°	31805.5	32852.1	31622.8	30393.5	33331.8	36270.1	40539.1	44808.0	47564.9	44808.0
29869.1	62.5°	32728.1	35587.1	35448.6	35309.8	38001.5	40693.4	44755.0	48816.3	51364.5	48816.3
28087.5	65°	30770.9	33454.2	33985.2	34515.9	37936.5	41357.5	45295.8	49233.9	51403.5	49233.9
25700.4	67.5°	28252.6	30804.7	31053.6	31302.4	34866.5	38430.3	42385.6	46340.8	48040.5	46340.8
22832.6	70°	25608.4	28384.6	28495.8	28607.3	31794.6	34981.6	38385.4	41788.9	42733.6	41788.9
19415.0	72.5°	22600.5	25786.2	25866.2	25946.0	28439.7	30933.3	33482.6	36031.6	36127.2	36031.6
15091.8	75°	18388.7	21685.7	21981.7	22277.7	24217.8	26157.8	27952.4	29746.9	29266.1	29746.9
10782.8	77.5°	13860.4	16938.3	17361.9	17785.5	19260.4	20735.3	22007.9	23280.9	22454.4	23280.9
7057.3	80°	9646.6	12235.6	12762.1	13288.7	14402.5	15515.9	16184.3	16852.5	15523.2	16852.5
4102.4	82.5°	5872.5	7642.8	8230.9	8819.3	9586.0	10352.7	10631.5	10910.1	9865.4	10910.1
1804.9	85°	2744.4	3683.9	4184.2	4684.5	5314.5	5944.2	6102.5	6260.7	5423.9	6260.7
558.8	87.5°	874.5	1190.3	1469.4	1748.5	2063.5	2378.5	2392.0	2405.3	2019.3	2405.3
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: P957295
 CATALOG NUMBER: GALN-SB9C-940-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
6772.7	0°	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7	6772.7
7475.7	2.5°	7464.0	7440.6	7417.2	7378.0	7338.8	7310.9	7283.4
8351.8	5°	8320.4	8268.4	8216.4	8120.5	8024.9	7928.2	7831.8
9194.6	7.5°	9148.6	9063.6	8978.7	8837.5	8696.4	8539.7	8382.7
9752.1	10°	9707.4	9607.6	9507.3	9341.7	9176.2	8990.6	8805.0
9934.5	12.5°	9910.1	9837.3	9764.6	9615.4	9465.7	9264.8	9063.6
9734.9	15°	9760.9	9758.3	9755.7	9661.6	9567.8	9394.5	9220.9
9240.1	17.5°	9336.5	9441.8	9547.0	9545.5	9543.6	9426.4	9309.2
8607.8	20°	8777.0	9009.3	9241.7	9365.1	9488.6	9447.5	9406.7
8006.1	22.5°	8217.7	8559.4	8901.2	9156.9	9412.7	9466.2	9519.7
7498.3	25°	7720.8	8135.8	8550.9	8939.1	9327.4	9496.4	9665.3
7091.3	27.5°	7310.2	7770.2	8230.2	8744.2	9258.6	9560.8	9862.8
6801.0	30°	7004.0	7483.2	7962.5	8595.6	9228.7	9678.8	10129.2
6717.9	32.5°	6877.2	7327.6	7778.0	8494.2	9210.5	9826.9	10443.6
7161.2	35°	7198.4	7511.1	7824.0	8570.1	9316.5	10071.0	10825.7
8466.1	37.5°	8296.2	8316.5	8336.7	9015.0	9693.3	10581.1	11468.9
10626.3	40°	10213.1	9857.1	9501.0	10005.5	10509.9	11475.4	12440.9
13537.6	42.5°	12786.0	12009.5	11232.9	11523.5	11814.0	12772.0	13729.9
17067.4	45°	15832.4	14588.1	13344.0	13472.4	13600.5	14461.3	15321.8
20983.2	47.5°	19175.1	17380.9	15586.1	15612.1	15638.1	16475.4	17312.5
24875.3	50°	22488.7	20175.7	17862.7	17858.3	17853.9	18887.7	19921.8
28638.2	52.5°	25685.4	22922.5	20159.6	20286.4	20413.0	21664.9	22917.0
32314.6	55°	28794.4	25719.7	22644.7	23138.2	23631.7	24868.8	26105.9
35876.1	57.5°	31888.9	28784.0	25679.1	26668.8	27658.7	28332.6	29006.2
40539.1	60°	36270.1	33331.8	30393.5	31622.8	32852.1	31805.5	30759.2
44755.0	62.5°	40693.4	38001.5	35309.8	35448.6	35587.1	32728.1	29869.1
45295.8	65°	41357.5	37936.5	34515.9	33985.2	33454.2	30770.9	28087.5
42385.6	67.5°	38430.3	34866.5	31302.4	31053.6	30804.7	28252.6	25700.4
38385.4	70°	34981.6	31794.6	28607.3	28495.8	28384.6	25608.4	22832.6
33482.6	72.5°	30933.3	28439.7	25946.0	25866.2	25786.2	22600.5	19415.0
27952.4	75°	26157.8	24217.8	22277.7	21981.7	21685.7	18388.7	15091.8
22007.9	77.5°	20735.3	19260.4	17785.5	17361.9	16938.3	13860.4	10782.8
16184.3	80°	15515.9	14402.5	13288.7	12762.1	12235.6	9646.6	7057.3
10631.5	82.5°	10352.7	9586.0	8819.3	8230.9	7642.8	5872.5	4102.4
6102.5	85°	5944.2	5314.5	4684.5	4184.2	3683.9	2744.4	1804.9
2392.0	87.5°	2378.5	2063.5	1748.5	1469.4	1190.3	874.5	558.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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