

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: P951959

Luminaire Tested: **GALN-SB5D-950-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P951959
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-SB5D-950-U-SLL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35631 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

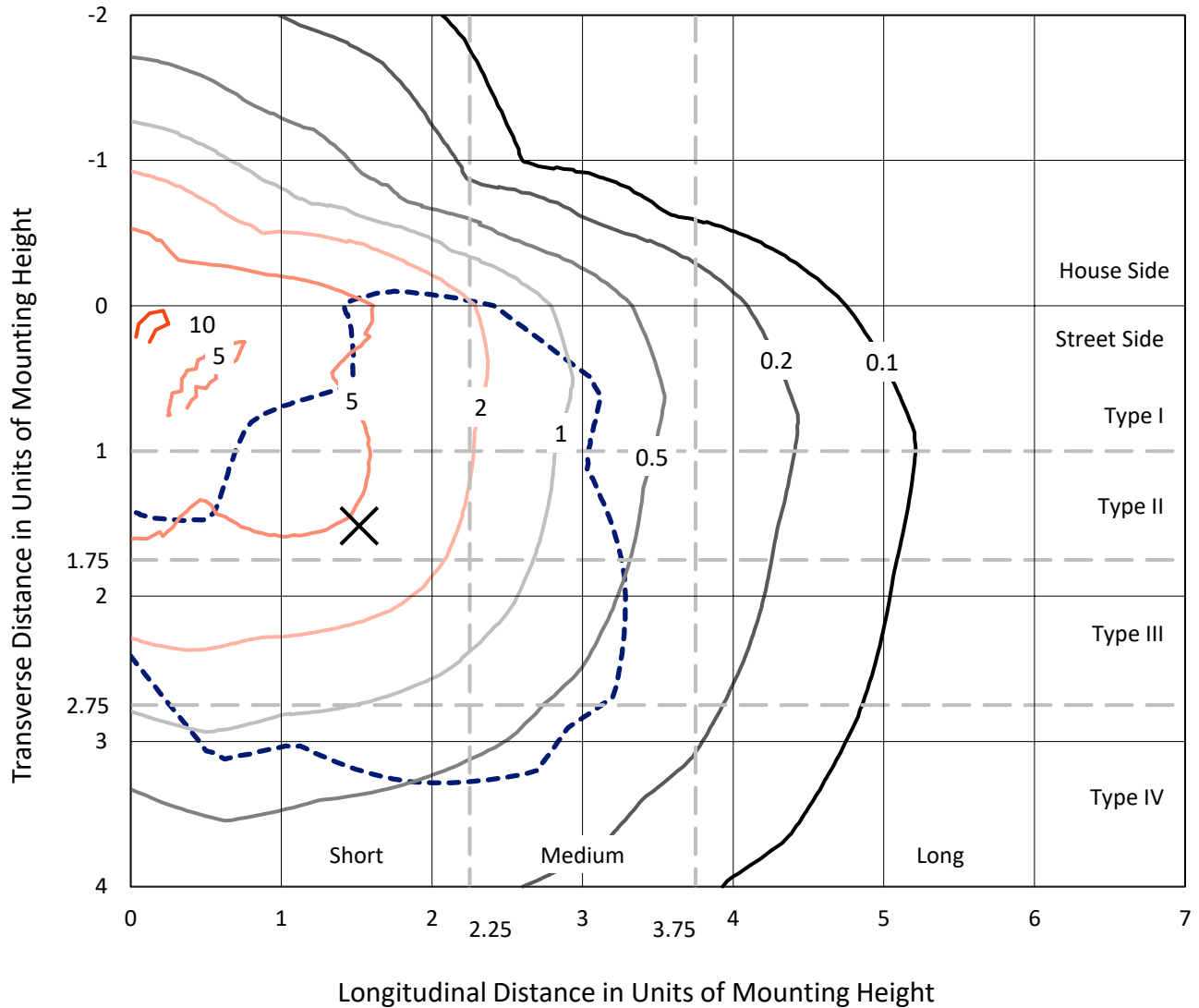
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P951959
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Iso-Footcandle Lines of Horizontal Illumination

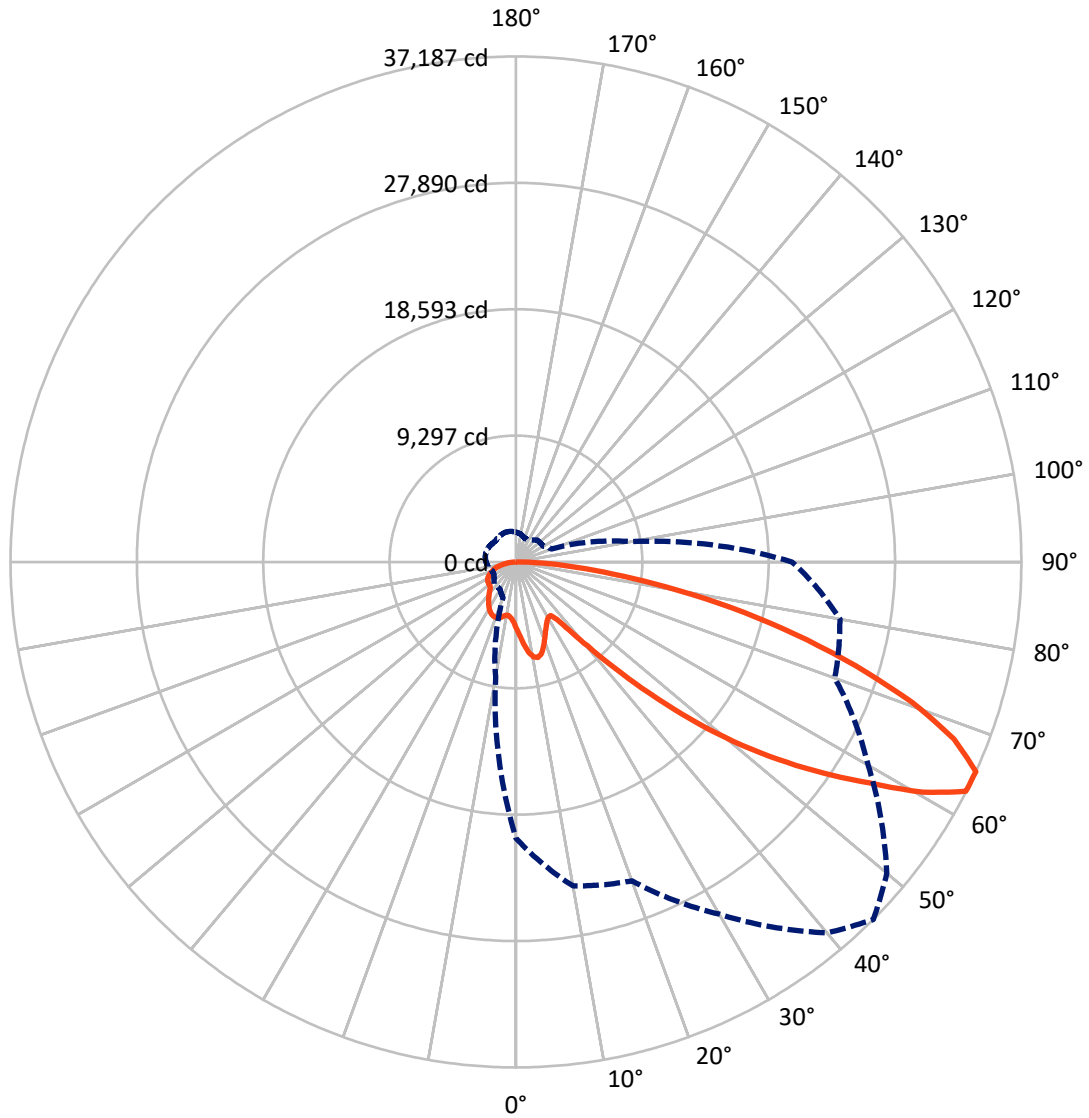
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P951959
CATALOG NUMBER: GALN-SB5D-950-U-SLL

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9055.6	0.0	9055.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	26575.4	0.0	26575.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	35631.0	0.0	35631.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.0	1.4
10°-20°	1525.8	4.3
20°-30°	2356.8	6.6
30°-40°	2986.6	8.4
40°-50°	4504.6	12.6
50°-60°	7277.8	20.4
60°-70°	9072.9	25.5
70°-80°	5949.6	16.7
80°-90°	1470.9	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°	35631.0	100.0
0°-180°	35631.0	100.0



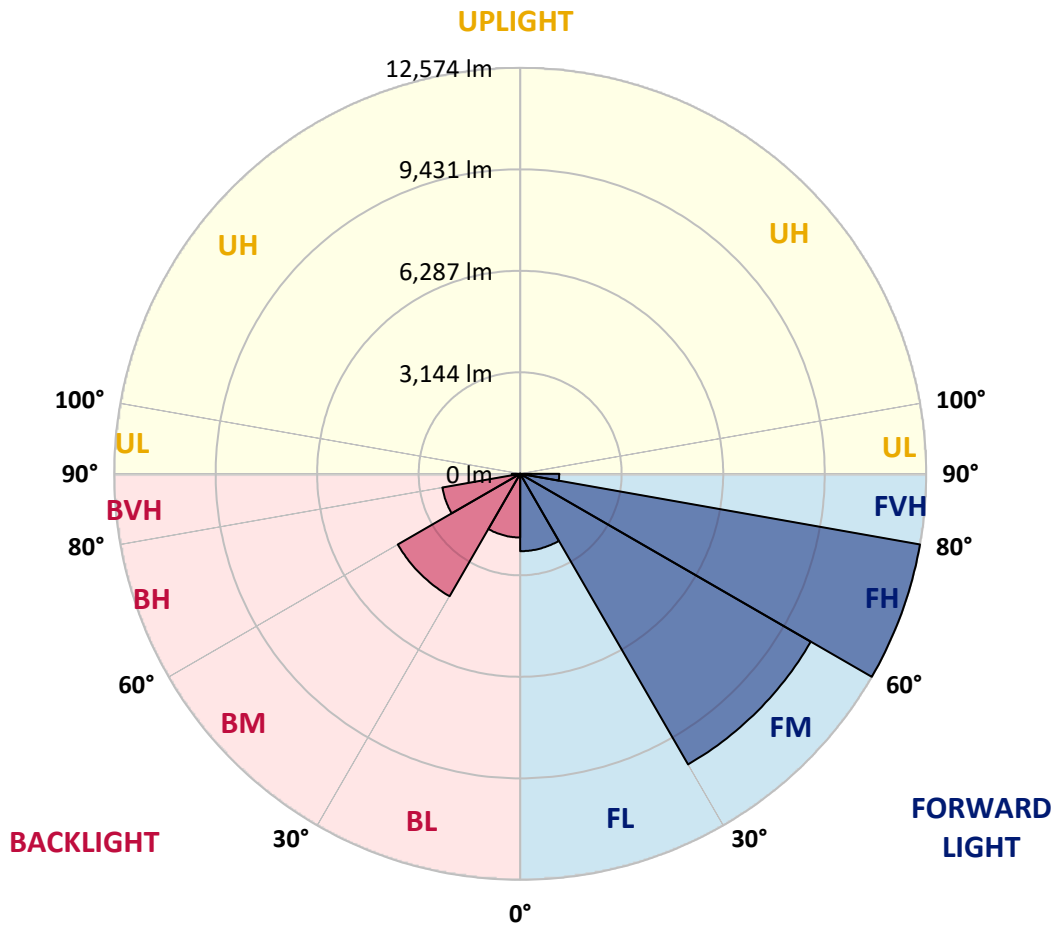
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2396.6	6.7			
FM (30°-60°)	10392.8	29.2			
FH (60°-80°)	12574.3	35.3			G5
FVH (80°-90°)	1211.7	3.4			G5
BL (0°-30°)	1972.0	5.5	B3/2500		
BM (30°-60°)	4376.2	12.3	B3/5000		
BH (60°-80°)	2448.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	259.2	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P951959

CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
2.5°	5269.0	5288.9	5309.1	5337.4	5365.8	5382.8	5399.7	5408.1	5416.6	5412.8
5°	5665.7	5735.5	5805.4	5874.6	5944.0	5981.6	6019.2	6041.9	6064.9	6082.2
7.5°	6064.3	6177.9	6291.2	6393.3	6495.4	6556.9	6618.4	6651.6	6684.7	6700.7
10°	6369.8	6504.1	6638.3	6758.1	6877.8	6950.4	7022.6	7054.9	7087.1	7099.3
12.5°	6556.9	6702.4	6847.7	6956.0	7064.0	7116.6	7169.2	7186.9	7204.6	7206.5
15°	6670.6	6796.2	6921.6	6989.5	7057.6	7059.4	7061.3	7042.5	7023.7	7001.5
17.5°	6734.6	6819.4	6904.1	6905.5	6906.6	6830.4	6754.3	6684.5	6614.6	6565.3
20°	6805.1	6834.6	6864.3	6775.0	6685.7	6517.6	6349.5	6227.1	6104.7	6029.5
22.5°	6886.8	6848.1	6809.4	6624.4	6439.4	6192.1	5944.9	5791.9	5638.8	5555.7
25°	6992.1	6869.9	6747.7	6466.8	6185.9	5885.7	5585.4	5424.5	5263.9	5185.3
27.5°	7135.0	6916.6	6697.9	6325.8	5953.9	5621.2	5288.4	5130.1	4972.0	4897.7
30°	7327.7	7001.9	6676.3	6218.3	5760.3	5413.6	5066.9	4920.1	4773.2	4704.0
32.5°	7555.2	7109.1	6663.1	6145.0	5626.8	5301.0	4975.1	4859.9	4744.5	4694.6
35°	7831.6	7285.6	6739.8	6199.9	5660.1	5433.7	5207.5	5180.6	5153.8	5149.6
37.5°	8296.9	7654.7	7012.4	6521.7	6031.0	6016.4	6001.7	6124.6	6247.6	6311.5
40°	9000.1	8301.6	7603.2	7238.2	6873.3	7130.9	7388.5	7687.4	7986.3	8135.2
42.5°	9932.6	9239.6	8546.6	8336.4	8126.2	8688.0	9249.8	9793.5	10337.2	10656.5
45°	11084.2	10461.7	9839.0	9746.3	9653.4	10553.4	11453.6	12347.1	13240.7	13783.1
47.5°	12524.4	11918.8	11313.0	11294.2	11275.4	12573.8	13871.8	15179.8	16487.6	17255.7
50°	14412.0	13663.9	12916.0	12919.2	12922.4	14595.7	16269.0	17995.5	19722.0	20765.8
52.5°	16578.8	15673.0	14767.3	14675.8	14584.0	16582.8	18581.5	20717.7	22853.7	24104.9
55°	18885.7	17990.8	17095.8	16738.8	16381.8	18606.3	20830.7	23377.3	25923.9	27412.0
57.5°	20983.9	20496.6	20009.1	19292.9	18577.0	20823.2	23069.3	25953.8	28838.1	30683.4
60°	22252.1	23009.0	23766.1	22876.8	21987.5	24113.2	26238.8	29327.1	32415.4	34409.8
62.5°	21608.1	23676.4	25744.7	25644.5	25544.1	27491.4	29438.8	32377.0	35315.1	37158.5
65°	20319.3	22260.5	24201.7	24585.8	24969.8	27444.4	29919.1	32768.3	35617.2	37186.7
67.5°	18592.4	20438.7	22285.0	22465.1	22645.0	25223.4	27801.6	30662.9	33524.3	34753.9
70°	16517.7	18525.9	20534.2	20614.7	20695.3	23001.1	25306.7	27769.1	30231.2	30914.7
72.5°	14045.4	16349.8	18654.5	18712.4	18770.1	20574.1	22378.0	24222.2	26066.2	26135.4
75°	10917.8	13302.9	15688.0	15902.2	16116.3	17519.8	18923.3	20221.5	21519.8	21171.9
77.5°	7800.6	10027.0	12253.6	12560.1	12866.5	13933.5	15000.5	15921.2	16842.0	16244.2
80°	5105.4	6978.6	8851.6	9232.5	9613.4	10419.2	11224.6	11708.2	12191.6	11229.9
82.5°	2967.8	4248.3	5529.0	5954.5	6380.2	6934.8	7489.4	7691.2	7892.7	7136.9
85°	1305.7	1985.4	2665.1	3027.0	3388.9	3844.6	4300.2	4414.7	4529.2	3923.8
87.5°	404.2	632.7	861.1	1063.0	1264.9	1492.8	1720.7	1730.5	1740.0	1460.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P951959
 CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
4899.6	0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
5416.6	2.5°	5408.1	5399.7	5382.8	5365.8	5337.4	5309.1	5288.9	5269.0	5228.6	5188.2
6064.9	5°	6041.9	6019.2	5981.6	5944.0	5874.6	5805.4	5735.5	5665.7	5576.4	5487.1
6684.7	7.5°	6651.6	6618.4	6556.9	6495.4	6393.3	6291.2	6177.9	6064.3	5916.9	5769.7
7087.1	10°	7054.9	7022.6	6950.4	6877.8	6758.1	6638.3	6504.1	6369.8	6183.5	5997.2
7204.6	12.5°	7186.9	7169.2	7116.6	7064.0	6956.0	6847.7	6702.4	6556.9	6352.1	6147.6
7023.7	15°	7042.5	7061.3	7059.4	7057.6	6989.5	6921.6	6796.2	6670.6	6457.2	6243.8
6614.6	17.5°	6684.5	6754.3	6830.4	6906.6	6905.5	6904.1	6819.4	6734.6	6518.2	6301.8
6104.7	20°	6227.1	6349.5	6517.6	6685.7	6775.0	6864.3	6834.6	6805.1	6580.2	6355.2
5638.8	22.5°	5791.9	5944.9	6192.1	6439.4	6624.4	6809.4	6848.1	6886.8	6657.1	6427.2
5263.9	25°	5424.5	5585.4	5885.7	6185.9	6466.8	6747.7	6869.9	6992.1	6766.9	6541.8
4972.0	27.5°	5130.1	5288.4	5621.2	5953.9	6325.8	6697.9	6916.6	7135.0	6920.3	6705.4
4773.2	30°	4920.1	5066.9	5413.6	5760.3	6218.3	6676.3	7001.9	7327.7	7120.2	6912.8
4744.5	32.5°	4859.9	4975.1	5301.0	5626.8	6145.0	6663.1	7109.1	7555.2	7349.7	7144.4
5153.8	35°	5180.6	5207.5	5433.7	5660.1	6199.9	6739.8	7285.6	7831.6	7634.9	7438.1
6247.6	37.5°	6124.6	6001.7	6016.4	6031.0	6521.7	7012.4	7654.7	8296.9	8046.1	7795.3
7986.3	40°	7687.4	7388.5	7130.9	6873.3	7238.2	7603.2	8301.6	9000.1	8634.6	8269.1
10337.2	42.5°	9793.5	9249.8	8688.0	8126.2	8336.4	8546.6	9239.6	9932.6	9405.1	8877.5
13240.7	45°	12347.1	11453.6	10553.4	9653.4	9746.3	9839.0	10461.7	11084.2	10372.6	9661.0
16487.6	47.5°	15179.8	13871.8	12573.8	11275.4	11294.2	11313.0	11918.8	12524.4	11522.8	10521.1
19722.0	50°	17995.5	16269.0	14595.7	12922.4	12919.2	12916.0	13663.9	14412.0	12902.1	11392.0
22853.7	52.5°	20717.7	18581.5	16582.8	14584.0	14675.8	14767.3	15673.0	16578.8	14350.9	12123.0
25923.9	55°	23377.3	20830.7	18606.3	16381.8	16738.8	17095.8	17990.8	18885.7	15635.4	12385.2
28838.1	57.5°	25953.8	23069.3	20823.2	18577.0	19292.9	20009.1	20496.6	20983.9	16545.7	12107.5
32415.4	60°	29327.1	26238.8	24113.2	21987.5	22876.8	23766.1	23009.0	22252.1	16773.2	11294.2
35315.1	62.5°	32377.0	29438.8	27491.4	25544.1	25644.5	25744.7	23676.4	21608.1	15815.3	10022.5
35617.2	65°	32768.3	29919.1	27444.4	24969.8	24585.8	24201.7	22260.5	20319.3	14459.9	8600.6
33524.3	67.5°	30662.9	27801.6	25223.4	22645.0	22465.1	22285.0	20438.7	18592.4	12847.0	7101.6
30231.2	70°	27769.1	25306.7	23001.1	20695.3	20614.7	20534.2	18525.9	16517.7	11087.0	5656.3
26066.2	72.5°	24222.2	22378.0	20574.1	18770.1	18712.4	18654.5	16349.8	14045.4	9179.1	4313.0
21519.8	75°	20221.5	18923.3	17519.8	16116.3	15902.2	15688.0	13302.9	10917.8	6991.9	3066.1
16842.0	77.5°	15921.2	15000.5	13933.5	12866.5	12560.1	12253.6	10027.0	7800.6	4893.7	1986.9
12191.6	80°	11708.2	11224.6	10419.2	9613.4	9232.5	8851.6	6978.6	5105.4	3152.9	1200.5
7892.7	82.5°	7691.2	7489.4	6934.8	6380.2	5954.5	5529.0	4248.3	2967.8	1824.8	682.1
4529.2	85°	4414.7	4300.2	3844.6	3388.9	3027.0	2665.1	1985.4	1305.7	820.9	336.2
1740.0	87.5°	1730.5	1720.7	1492.8	1264.9	1063.0	861.1	632.7	404.2	268.9	133.5
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: P951959
 CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
4899.6	0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
5145.1	2.5°	5102.2	5059.0	5015.8	4974.4	4933.0	4893.0	4848.4	4812.3	4776.4	4743.9
5398.0	5°	5309.1	5219.4	5129.9	5046.2	4962.6	4883.6	4805.6	4737.5	4669.3	4612.1
5633.6	7.5°	5497.4	5364.9	5232.3	5115.6	4998.8	4891.1	4790.1	4699.5	4609.1	4533.9
5817.3	10°	5637.5	5476.6	5315.4	5177.4	5039.1	4906.1	4797.7	4702.2	4606.6	4531.4
5943.8	12.5°	5740.0	5550.1	5360.2	5204.0	5047.7	4908.0	4807.1	4728.9	4651.0	4601.0
6022.7	15°	5801.6	5583.0	5364.3	5183.5	5002.6	4847.9	4767.0	4729.6	4692.4	4699.1
6060.5	17.5°	5819.3	5565.5	5311.7	5094.2	4876.6	4694.6	4644.8	4658.5	4672.1	4754.0
6090.1	20°	5825.0	5517.4	5209.8	4940.2	4670.6	4458.7	4445.5	4509.4	4573.4	4715.7
6129.9	22.5°	5832.5	5458.3	5084.2	4759.5	4434.8	4193.6	4219.3	4313.9	4408.5	4570.9
6202.1	25°	5862.2	5400.1	4938.1	4557.8	4177.6	3930.4	3999.9	4109.0	4218.0	4364.1
6314.9	27.5°	5924.2	5361.1	4798.0	4373.3	3948.6	3723.6	3808.2	3913.5	4018.7	4138.9
6461.0	30°	6009.2	5342.9	4676.2	4219.2	3762.1	3573.2	3639.5	3723.0	3806.8	3906.5
6613.5	32.5°	6082.5	5320.3	4557.8	4086.2	3614.5	3462.2	3491.7	3541.2	3590.6	3670.2
6787.2	35°	6136.3	5277.8	4419.8	3955.6	3491.4	3364.5	3352.2	3365.8	3379.5	3440.2
6981.8	37.5°	6168.3	5205.1	4241.9	3801.8	3361.6	3250.7	3206.0	3190.9	3175.9	3219.5
7228.8	40°	6188.4	5104.9	4021.6	3618.3	3215.0	3114.4	3045.8	3011.7	2977.7	3009.1
7552.0	42.5°	6226.6	5001.5	3776.8	3415.8	3054.8	2962.1	2875.6	2830.5	2785.4	2811.0
7977.3	45°	6293.7	4905.4	3517.3	3200.7	2884.1	2790.1	2706.4	2662.4	2618.6	2640.1
8430.4	47.5°	6339.7	4826.1	3312.4	3030.6	2748.7	2627.5	2555.4	2518.6	2481.7	2502.1
8850.8	50°	6309.7	4739.6	3169.5	2917.6	2665.6	2506.2	2422.5	2389.8	2357.3	2388.9
9123.8	52.5°	6124.5	4593.5	3062.7	2843.1	2623.7	2440.4	2323.4	2291.1	2259.0	2306.5
9063.6	55°	5741.9	4351.3	2960.8	2789.1	2617.5	2447.0	2270.8	2219.7	2168.7	2236.2
8640.2	57.5°	5173.1	4009.9	2846.5	2725.2	2604.0	2453.5	2239.2	2164.8	2090.3	2162.9
7852.3	60°	4410.4	3566.6	2722.8	2627.5	2532.1	2432.9	2209.5	2113.1	2016.4	2080.2
6786.8	62.5°	3551.2	3036.0	2520.9	2457.5	2394.3	2382.1	2174.9	2054.2	1933.7	1974.1
5699.7	65°	2799.1	2558.6	2318.2	2288.3	2258.4	2259.9	2102.0	1973.7	1845.3	1860.9
4634.8	67.5°	2168.1	2099.9	2031.5	2048.2	2064.7	2060.6	1971.9	1865.1	1758.3	1753.4
3649.3	70°	1642.3	1661.8	1681.2	1758.7	1835.9	1835.9	1806.8	1730.8	1654.9	1638.0
2789.9	72.5°	1266.8	1325.7	1384.7	1494.5	1604.1	1622.5	1622.9	1570.8	1518.8	1493.9
2024.9	75°	983.7	1037.1	1090.5	1213.4	1336.4	1421.4	1414.2	1374.2	1333.9	1310.2
1372.1	77.5°	757.3	793.6	830.1	949.5	1068.8	1208.9	1205.2	1173.0	1140.9	1116.8
884.0	80°	567.8	582.8	597.9	699.0	800.0	967.3	966.8	939.9	912.8	892.7
543.7	82.5°	405.7	408.4	411.4	485.8	560.3	703.2	711.1	697.9	684.7	670.4
290.7	85°	245.4	244.0	242.5	297.1	351.6	457.8	468.1	454.0	439.9	424.0
120.5	87.5°	107.5	106.2	104.9	127.1	149.5	193.7	206.8	201.2	195.5	192.5
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: P951959
 CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
4899.6	0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
4711.6	2.5°	4683.2	4654.8	4626.2	4597.8	4575.8	4553.6	4535.8	4517.9	4504.0	4490.1
4555.1	5°	4504.7	4454.4	4408.7	4362.8	4327.6	4292.3	4267.7	4243.0	4225.5	4208.1
4458.7	7.5°	4395.3	4331.8	4275.7	4219.9	4178.0	4136.2	4106.9	4077.6	4057.5	4037.5
4456.2	10°	4388.0	4319.6	4256.6	4193.6	4143.6	4093.4	4060.7	4027.6	4008.6	3989.6
4551.4	12.5°	4497.6	4444.2	4379.0	4313.9	4250.0	4186.1	4143.8	4101.5	4080.2	4059.2
4705.9	15°	4692.0	4678.1	4621.5	4564.9	4473.9	4382.9	4318.6	4254.3	4224.8	4195.5
4836.0	17.5°	4879.6	4923.1	4877.4	4831.9	4711.4	4590.9	4496.1	4401.3	4357.7	4313.9
4858.2	20°	4949.4	5040.6	5019.5	4998.3	4860.5	4722.8	4606.6	4490.6	4434.8	4378.8
4733.7	22.5°	4852.4	4971.0	4983.8	4996.4	4864.8	4733.2	4613.6	4493.8	4435.0	4376.0
4510.4	25°	4627.1	4743.9	4787.5	4830.9	4723.0	4615.3	4508.9	4402.8	4351.7	4300.8
4258.8	27.5°	4352.5	4446.1	4494.6	4543.3	4466.4	4389.7	4307.1	4224.6	4190.4	4156.0
4006.1	30°	4083.8	4161.6	4201.1	4240.6	4182.1	4123.5	4064.4	4005.0	3987.5	3969.9
3749.9	32.5°	3824.3	3899.0	3942.8	3986.8	3933.0	3879.0	3831.9	3784.7	3773.2	3761.7
3500.8	35°	3574.5	3648.4	3701.0	3753.6	3715.3	3677.1	3633.5	3590.1	3572.6	3555.3
3262.9	37.5°	3336.4	3410.1	3475.2	3540.2	3522.6	3504.9	3464.9	3424.6	3392.8	3361.3
3040.5	40°	3111.6	3182.7	3257.5	3332.5	3336.8	3341.0	3306.9	3272.9	3226.6	3180.8
2836.7	42.5°	2904.0	2971.5	3052.4	3133.2	3154.8	3176.4	3147.7	3119.1	3061.8	3004.4
2661.9	45°	2725.8	2789.7	2873.6	2957.4	2988.4	3019.5	2993.5	2967.8	2902.1	2836.7
2522.2	47.5°	2584.8	2647.2	2729.9	2812.6	2848.4	2884.1	2866.0	2848.0	2789.7	2731.4
2420.6	50°	2479.7	2538.5	2612.6	2686.7	2732.6	2778.4	2777.3	2776.5	2729.9	2683.3
2353.9	52.5°	2408.0	2462.0	2531.0	2600.2	2654.5	2708.9	2718.6	2728.4	2690.4	2652.5
2303.5	55°	2361.8	2420.1	2480.6	2541.0	2598.5	2656.2	2669.8	2683.3	2650.2	2617.1
2235.5	57.5°	2303.9	2372.3	2432.1	2492.1	2550.2	2608.1	2621.8	2635.5	2602.1	2568.6
2143.7	60°	2222.3	2300.9	2361.6	2422.5	2480.8	2539.1	2554.1	2569.2	2536.5	2503.9
2014.5	62.5°	2106.1	2197.8	2262.7	2327.6	2381.0	2434.4	2448.8	2463.3	2433.8	2404.3
1876.4	65°	1974.5	2072.8	2134.9	2196.9	2243.9	2290.9	2305.8	2320.4	2292.0	2263.7
1748.5	67.5°	1839.1	1929.9	1988.8	2047.4	2088.1	2128.7	2143.1	2157.4	2131.3	2105.3
1621.0	70°	1700.7	1780.5	1831.2	1882.0	1918.7	1955.3	1969.2	1983.1	1961.9	1940.7
1469.3	72.5°	1532.1	1594.7	1640.6	1686.5	1722.4	1758.3	1774.8	1791.4	1773.7	1756.0
1286.4	75°	1333.0	1379.6	1421.2	1462.7	1495.4	1528.2	1545.5	1562.7	1554.1	1545.5
1092.7	77.5°	1130.7	1168.5	1204.2	1239.9	1274.3	1308.6	1324.7	1340.9	1328.9	1316.5
872.4	80°	904.0	935.4	965.4	995.5	1021.7	1047.6	1069.0	1090.5	1085.2	1080.1
656.2	82.5°	653.5	650.9	640.4	629.8	685.5	741.1	777.6	814.1	811.8	809.4
408.0	85°	394.4	380.7	351.6	322.4	374.5	426.8	471.9	517.0	513.3	509.5
189.5	87.5°	189.0	188.4	166.2	143.8	165.6	187.6	205.9	224.1	219.6	214.7
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: P951959
 CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
4899.6	0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
4477.3	2.5°	4464.3	4448.3	4464.3	4477.3	4490.1	4504.0	4517.9	4535.8	4553.6	4575.8
4194.7	5°	4181.4	4168.2	4181.4	4194.7	4208.1	4225.5	4243.0	4267.7	4292.3	4327.6
4025.5	7.5°	4013.7	4004.6	4013.7	4025.5	4037.5	4057.5	4077.6	4106.9	4136.2	4178.0
3979.4	10°	3969.3	3965.2	3969.3	3979.4	3989.6	4008.6	4027.6	4060.7	4093.4	4143.6
4050.5	12.5°	4041.9	4040.4	4041.9	4050.5	4059.2	4080.2	4101.5	4143.8	4186.1	4250.0
4184.2	15°	4172.9	4172.0	4172.9	4184.2	4195.5	4224.8	4254.3	4318.6	4382.9	4473.9
4299.6	17.5°	4285.1	4282.9	4285.1	4299.6	4313.9	4357.7	4401.3	4496.1	4590.9	4711.4
4360.9	20°	4343.1	4337.4	4343.1	4360.9	4378.8	4434.8	4490.6	4606.6	4722.8	4860.5
4356.2	22.5°	4336.5	4328.0	4336.5	4356.2	4376.0	4435.0	4493.8	4613.6	4733.2	4864.8
4282.1	25°	4263.7	4252.8	4263.7	4282.1	4300.8	4351.7	4402.8	4508.9	4615.3	4723.0
4147.5	27.5°	4139.1	4136.2	4139.1	4147.5	4156.0	4190.4	4224.6	4307.1	4389.7	4466.4
3969.9	30°	3969.9	3972.7	3969.9	3969.9	3969.9	3987.5	4005.0	4064.4	4123.5	4182.1
3763.2	32.5°	3764.9	3767.7	3764.9	3763.2	3761.7	3773.2	3784.7	3831.9	3879.0	3933.0
3551.5	35°	3547.8	3545.9	3547.8	3551.5	3555.3	3572.6	3590.1	3633.5	3677.1	3715.3
3344.5	37.5°	3327.8	3318.4	3327.8	3344.5	3361.3	3392.8	3424.6	3464.9	3504.9	3522.6
3149.6	40°	3118.7	3100.3	3118.7	3149.6	3180.8	3226.6	3272.9	3306.9	3341.0	3336.8
2959.1	42.5°	2913.8	2884.1	2913.8	2959.1	3004.4	3061.8	3119.1	3147.7	3176.4	3154.8
2783.5	45°	2730.3	2696.1	2730.3	2783.5	2836.7	2902.1	2967.8	2993.5	3019.5	2988.4
2682.2	47.5°	2633.1	2600.2	2633.1	2682.2	2731.4	2789.7	2848.0	2866.0	2884.1	2848.4
2637.8	50°	2592.3	2560.7	2592.3	2637.8	2683.3	2729.9	2776.5	2777.3	2778.4	2732.6
2611.7	52.5°	2571.1	2541.9	2571.1	2611.7	2652.5	2690.4	2728.4	2718.6	2708.9	2654.5
2581.4	55°	2545.7	2519.3	2545.7	2581.4	2617.1	2650.2	2683.3	2669.8	2656.2	2598.5
2533.3	57.5°	2497.7	2470.5	2497.7	2533.3	2568.6	2602.1	2635.5	2621.8	2608.1	2550.2
2467.5	60°	2431.0	2402.8	2431.0	2467.5	2503.9	2536.5	2569.2	2554.1	2539.1	2480.8
2365.9	62.5°	2327.6	2293.7	2327.6	2365.9	2404.3	2433.8	2463.3	2448.8	2434.4	2381.0
2226.4	65°	2189.4	2160.2	2189.4	2226.4	2263.7	2292.0	2320.4	2305.8	2290.9	2243.9
2070.8	67.5°	2036.2	2009.8	2036.2	2070.8	2105.3	2131.3	2157.4	2143.1	2128.7	2088.1
1907.6	70°	1874.5	1844.4	1874.5	1907.6	1940.7	1961.9	1983.1	1969.2	1955.3	1918.7
1724.4	72.5°	1693.0	1663.9	1693.0	1724.4	1756.0	1773.7	1791.4	1774.8	1758.3	1722.4
1518.9	75°	1492.4	1464.6	1492.4	1518.9	1545.5	1554.1	1562.7	1545.5	1528.2	1495.4
1289.8	77.5°	1263.1	1240.9	1263.1	1289.8	1316.5	1328.9	1340.9	1324.7	1308.6	1274.3
1044.2	80°	1008.1	966.4	1008.1	1044.2	1080.1	1085.2	1090.5	1069.0	1047.6	1021.7
779.1	82.5°	748.7	722.0	748.7	779.1	809.4	811.8	814.1	777.6	741.1	685.5
485.8	85°	462.1	438.1	462.1	485.8	509.5	513.3	517.0	471.9	426.8	374.5
202.7	87.5°	190.3	178.6	190.3	202.7	214.7	219.6	224.1	205.9	187.6	165.6
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: P951959
 CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
4899.6	0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
4597.8	2.5°	4626.2	4654.8	4683.2	4711.6	4743.9	4776.4	4812.3	4848.4	4893.0	4933.0
4362.8	5°	4408.7	4454.4	4504.7	4555.1	4612.1	4669.3	4737.5	4805.6	4883.6	4962.6
4219.9	7.5°	4275.7	4331.8	4395.3	4458.7	4533.9	4609.1	4699.5	4790.1	4891.1	4998.8
4193.6	10°	4256.6	4319.6	4388.0	4456.2	4531.4	4606.6	4702.2	4797.7	4906.1	5039.1
4313.9	12.5°	4379.0	4444.2	4497.6	4551.4	4601.0	4651.0	4728.9	4807.1	4908.0	5047.7
4564.9	15°	4621.5	4678.1	4692.0	4705.9	4699.1	4692.4	4729.6	4767.0	4847.9	5002.6
4831.9	17.5°	4877.4	4923.1	4879.6	4836.0	4754.0	4672.1	4658.5	4644.8	4694.6	4876.6
4998.3	20°	5019.5	5040.6	4949.4	4858.2	4715.7	4573.4	4509.4	4445.5	4458.7	4670.6
4996.4	22.5°	4983.8	4971.0	4852.4	4733.7	4570.9	4408.5	4313.9	4219.3	4193.6	4434.8
4830.9	25°	4787.5	4743.9	4627.1	4510.4	4364.1	4218.0	4109.0	3999.9	3930.4	4177.6
4543.3	27.5°	4494.6	4446.1	4352.5	4258.8	4138.9	4018.7	3913.5	3808.2	3723.6	3948.6
4240.6	30°	4201.1	4161.6	4083.8	4006.1	3906.5	3806.8	3723.0	3639.5	3573.2	3762.1
3986.8	32.5°	3942.8	3899.0	3824.3	3749.9	3670.2	3590.6	3541.2	3491.7	3462.2	3614.5
3753.6	35°	3701.0	3648.4	3574.5	3500.8	3440.2	3379.5	3365.8	3352.2	3364.5	3491.4
3540.2	37.5°	3475.2	3410.1	3336.4	3262.9	3219.5	3175.9	3190.9	3206.0	3250.7	3361.6
3332.5	40°	3257.5	3182.7	3111.6	3040.5	3009.1	2977.7	3011.7	3045.8	3114.4	3215.0
3133.2	42.5°	3052.4	2971.5	2904.0	2836.7	2811.0	2785.4	2830.5	2875.6	2962.1	3054.8
2957.4	45°	2873.6	2789.7	2725.8	2661.9	2640.1	2618.6	2662.4	2706.4	2790.1	2884.1
2812.6	47.5°	2729.9	2647.2	2584.8	2522.2	2502.1	2481.7	2518.6	2555.4	2627.5	2748.7
2686.7	50°	2612.6	2538.5	2479.7	2420.6	2388.9	2357.3	2389.8	2422.5	2506.2	2665.6
2600.2	52.5°	2531.0	2462.0	2408.0	2353.9	2306.5	2259.0	2291.1	2323.4	2440.4	2623.7
2541.0	55°	2480.6	2420.1	2361.8	2303.5	2236.2	2168.7	2219.7	2270.8	2447.0	2617.5
2492.1	57.5°	2432.1	2372.3	2303.9	2235.5	2162.9	2090.3	2164.8	2239.2	2453.5	2604.0
2422.5	60°	2361.6	2300.9	2222.3	2143.7	2080.2	2016.4	2113.1	2209.5	2432.9	2532.1
2327.6	62.5°	2262.7	2197.8	2106.1	2014.5	1974.1	1933.7	2054.2	2174.9	2382.1	2394.3
2196.9	65°	2134.9	2072.8	1974.5	1876.4	1860.9	1845.3	1973.7	2102.0	2259.9	2258.4
2047.4	67.5°	1988.8	1929.9	1839.1	1748.5	1753.4	1758.3	1865.1	1971.9	2060.6	2064.7
1882.0	70°	1831.2	1780.5	1700.7	1621.0	1638.0	1654.9	1730.8	1806.8	1835.9	1835.9
1686.5	72.5°	1640.6	1594.7	1532.1	1469.3	1493.9	1518.8	1570.8	1622.9	1622.5	1604.1
1462.7	75°	1421.2	1379.6	1333.0	1286.4	1310.2	1333.9	1374.2	1414.2	1421.4	1336.4
1239.9	77.5°	1204.2	1168.5	1130.7	1092.7	1116.8	1140.9	1173.0	1205.2	1208.9	1068.8
995.5	80°	965.4	935.4	904.0	872.4	892.7	912.8	939.9	966.8	967.3	800.0
629.8	82.5°	640.4	650.9	653.5	656.2	670.4	684.7	697.9	711.1	703.2	560.3
322.4	85°	351.6	380.7	394.4	408.0	424.0	439.9	454.0	468.1	457.8	351.6
143.8	87.5°	166.2	188.4	189.0	189.5	192.5	195.5	201.2	206.8	193.7	149.5
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: P951959
 CATALOG NUMBER: GALN-SB5D-950-U-SLL

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
4899.6	0°	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6	4899.6
4974.4	2.5°	5015.8	5059.0	5102.2	5145.1	5188.2	5228.6	5269.0
5046.2	5°	5129.9	5219.4	5309.1	5398.0	5487.1	5576.4	5665.7
5115.6	7.5°	5232.3	5364.9	5497.4	5633.6	5769.7	5916.9	6064.3
5177.4	10°	5315.4	5476.6	5637.5	5817.3	5997.2	6183.5	6369.8
5204.0	12.5°	5360.2	5550.1	5740.0	5943.8	6147.6	6352.1	6556.9
5183.5	15°	5364.3	5583.0	5801.6	6022.7	6243.8	6457.2	6670.6
5094.2	17.5°	5311.7	5565.5	5819.3	6060.5	6301.8	6518.2	6734.6
4940.2	20°	5209.8	5517.4	5825.0	6090.1	6355.2	6580.2	6805.1
4759.5	22.5°	5084.2	5458.3	5832.5	6129.9	6427.2	6657.1	6886.8
4557.8	25°	4938.1	5400.1	5862.2	6202.1	6541.8	6766.9	6992.1
4373.3	27.5°	4798.0	5361.1	5924.2	6314.9	6705.4	6920.3	7135.0
4219.2	30°	4676.2	5342.9	6009.2	6461.0	6912.8	7120.2	7327.7
4086.2	32.5°	4557.8	5320.3	6082.5	6613.5	7144.4	7349.7	7555.2
3955.6	35°	4419.8	5277.8	6136.3	6787.2	7438.1	7634.9	7831.6
3801.8	37.5°	4241.9	5205.1	6168.3	6981.8	7795.3	8046.1	8296.9
3618.3	40°	4021.6	5104.9	6188.4	7228.8	8269.1	8634.6	9000.1
3415.8	42.5°	3776.8	5001.5	6226.6	7552.0	8877.5	9405.1	9932.6
3200.7	45°	3517.3	4905.4	6293.7	7977.3	9661.0	10372.6	11084.2
3030.6	47.5°	3312.4	4826.1	6339.7	8430.4	10521.1	11522.8	12524.4
2917.6	50°	3169.5	4739.6	6309.7	8850.8	11392.0	12902.1	14412.0
2843.1	52.5°	3062.7	4593.5	6124.5	9123.8	12123.0	14350.9	16578.8
2789.1	55°	2960.8	4351.3	5741.9	9063.6	12385.2	15635.4	18885.7
2725.2	57.5°	2846.5	4009.9	5173.1	8640.2	12107.5	16545.7	20983.9
2627.5	60°	2722.8	3566.6	4410.4	7852.3	11294.2	16773.2	22252.1
2457.5	62.5°	2520.9	3036.0	3551.2	6786.8	10022.5	15815.3	21608.1
2288.3	65°	2318.2	2558.6	2799.1	5699.7	8600.6	14459.9	20319.3
2048.2	67.5°	2031.5	2099.9	2168.1	4634.8	7101.6	12847.0	18592.4
1758.7	70°	1681.2	1661.8	1642.3	3649.3	5656.3	11087.0	16517.7
1494.5	72.5°	1384.7	1325.7	1266.8	2789.9	4313.0	9179.1	14045.4
1213.4	75°	1090.5	1037.1	983.7	2024.9	3066.1	6991.9	10917.8
949.5	77.5°	830.1	793.6	757.3	1372.1	1986.9	4893.7	7800.6
699.0	80°	597.9	582.8	567.8	884.0	1200.5	3152.9	5105.4
485.8	82.5°	411.4	408.4	405.7	543.7	682.1	1824.8	2967.8
297.1	85°	242.5	244.0	245.4	290.7	336.2	820.9	1305.7
127.1	87.5°	104.9	106.2	107.5	120.5	133.5	268.9	404.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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