

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: P956077

Luminaire Tested: **GALN-SB8D-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956077
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-SB8D-830-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 73672 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

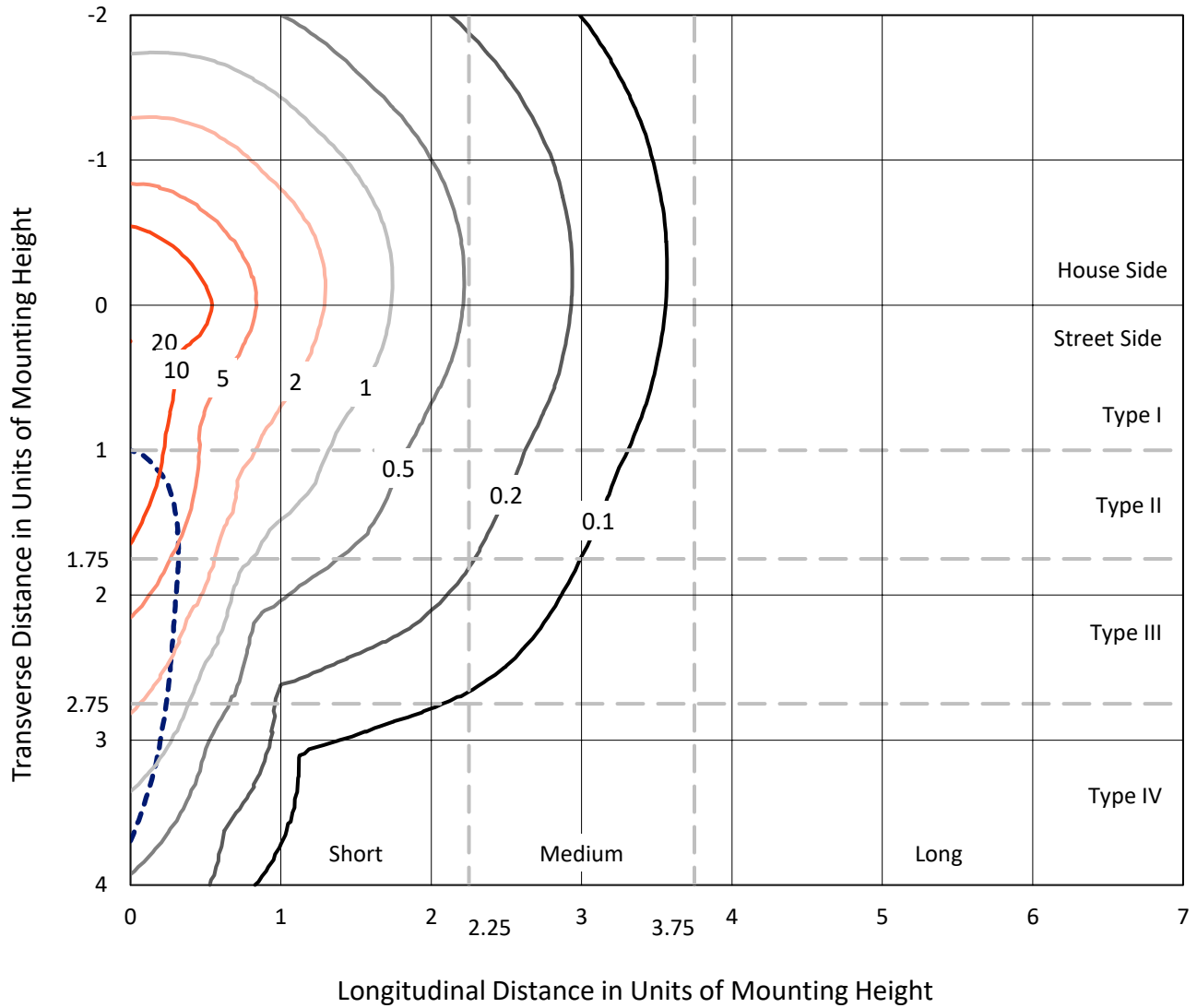
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

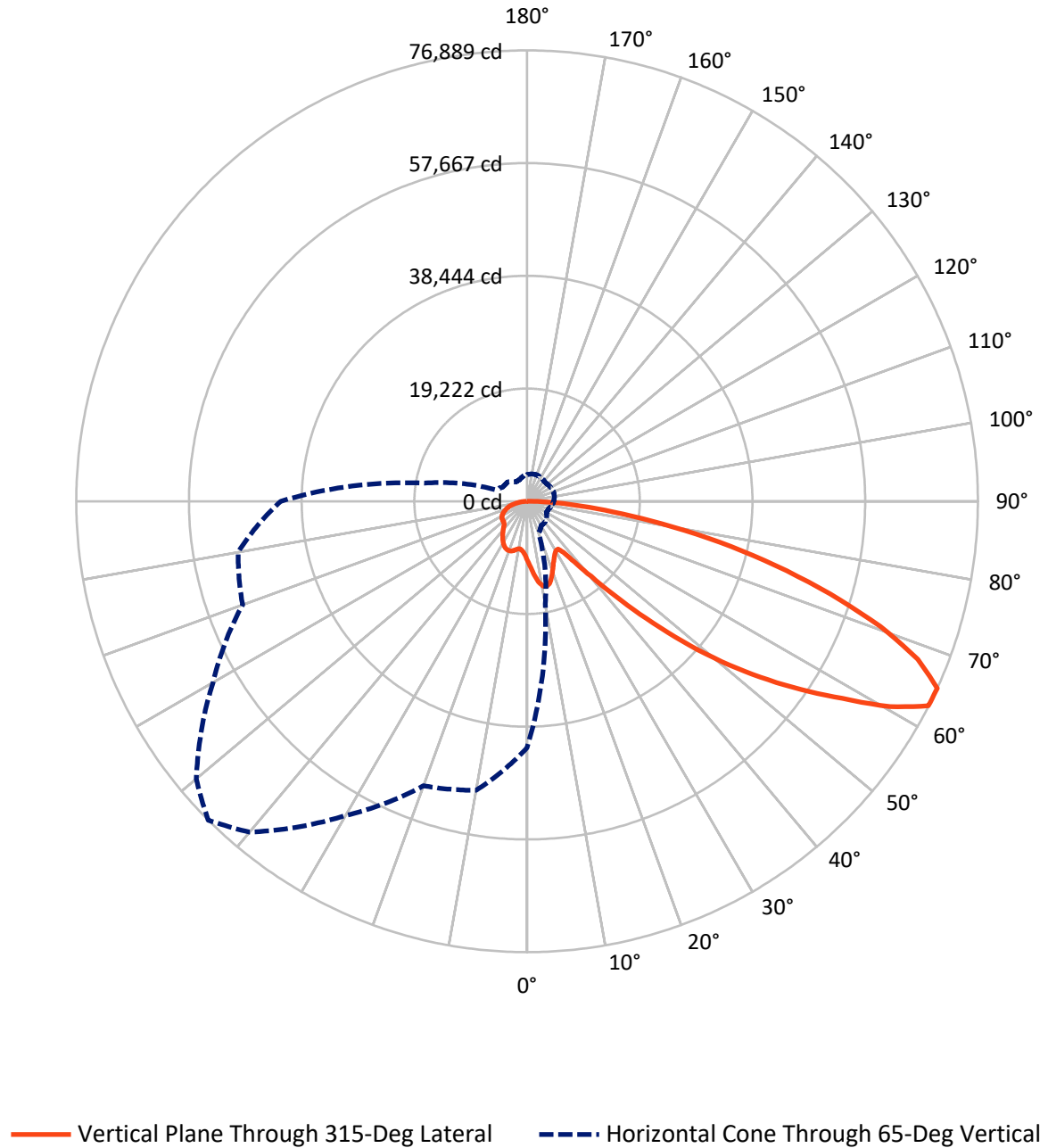
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20 fc
 Type IV - Short - N/A

REPORT NUMBER: P956077
CATALOG NUMBER: GALN-SB8D-830-U-SLR

Luminous Intensity Polar Plot



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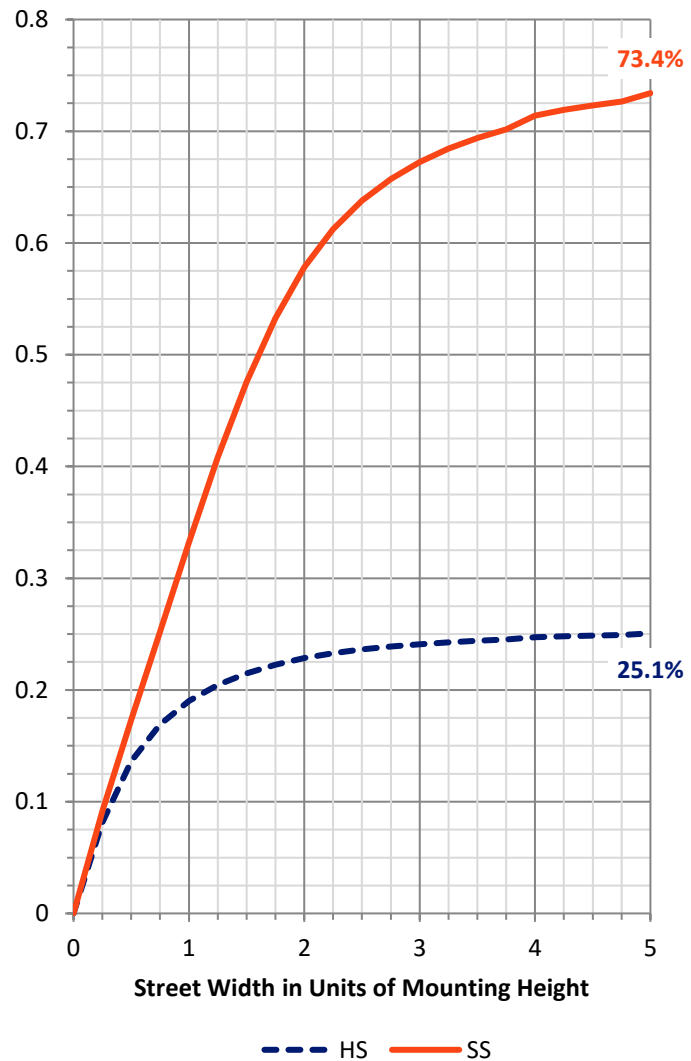
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18723.7	0.0	18723.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	54948.3	0.0	54948.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	73672.0	0.0	73672.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1004.9	1.4
10°-20°	3154.7	4.3
20°-30°	4873.0	6.6
30°-40°	6175.2	8.4
40°-50°	9313.8	12.6
50°-60°	15047.9	20.4
60°-70°	18759.6	25.5
70°-80°	12301.6	16.7
80°-90°	3041.3	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°	73672.0	100.0
0°-180°	73672.0	100.0



REPORT NUMBER: P956077

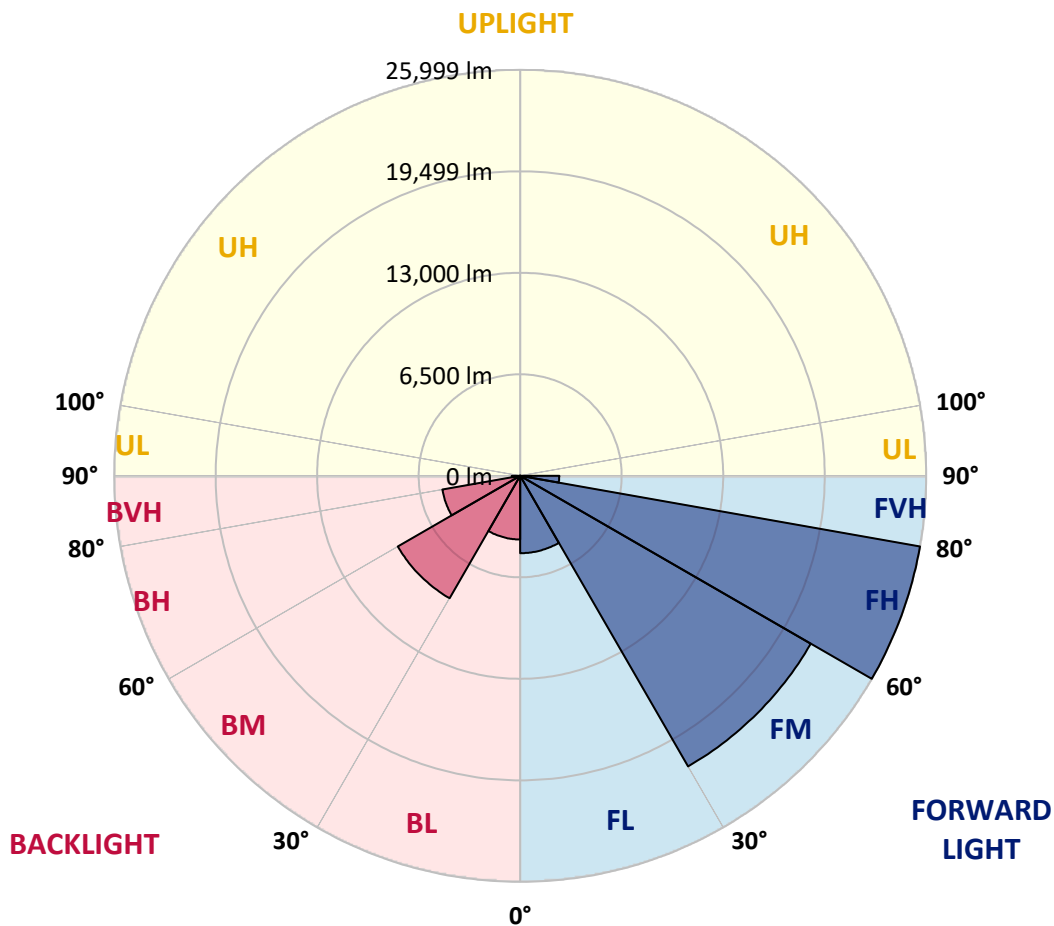
CATALOG NUMBER: GALN-SB8D-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4955.3	6.7			
FM (30°-60°)	21488.5	29.2			
FH (60°-80°)	25999.1	35.3			G5
FVH (80°-90°)	2505.3	3.4			G5
BL (0°-30°)	4077.3	5.5	B4/5000		
BM (30°-60°)	9048.4	12.3	B5		
BH (60°-80°)	5062.0	6.9	B5		G5
BVH (80°-90°)	535.9	0.7			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type IV Short



REPORT NUMBER: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
2.5°	10894.4	10810.8	10727.2	10638.2	10549.6	10460.2	10370.8	10285.3	10199.7	10116.9
5°	11714.6	11530.0	11345.3	11161.1	10977.2	10791.8	10606.7	10433.8	10260.8	10097.5
7.5°	12538.8	12234.0	11929.6	11648.2	11366.7	11092.7	10818.6	10577.2	10335.8	10113.0
10°	13170.5	12785.2	12400.0	12028.0	11656.3	11323.6	10990.4	10705.1	10419.0	10144.1
12.5°	13557.3	13133.9	12711.0	12289.6	11868.2	11475.6	11082.9	10759.9	10436.9	10148.0
15°	13792.5	13351.2	12910.0	12452.9	11995.7	11543.6	11091.5	10717.5	10343.6	10023.6
17.5°	13924.6	13477.2	13029.7	12531.0	12032.2	11507.4	10982.7	10532.9	10083.1	9706.8
20°	14070.4	13605.5	13140.2	12592.0	12043.9	11407.9	10772.0	10214.5	9657.1	9218.9
22.5°	14239.5	13764.5	13289.0	12674.4	12059.5	11285.9	10512.3	9840.9	9169.6	8670.8
25°	14457.2	13991.5	13526.2	12823.7	12120.9	11165.4	10210.2	9423.8	8637.8	8126.6
27.5°	14752.6	14308.7	13864.4	13057.0	12249.2	11084.9	9920.6	9042.5	8164.3	7699.0
30°	15151.1	14721.9	14293.2	13359.0	12424.9	11047.2	9668.7	8723.7	7778.7	7388.0
32.5°	15621.5	15196.6	14772.1	13674.3	12576.5	11000.5	9423.8	8448.9	7473.5	7158.6
35°	16192.9	15786.3	15379.3	14033.5	12687.7	10912.7	9138.5	8178.7	7218.9	6956.5
37.5°	17155.0	16636.5	16117.9	14435.8	12753.7	10762.2	8770.7	7860.7	6950.7	6721.3
40°	18608.9	17853.2	17097.5	14946.6	12795.3	10555.0	8315.1	7481.3	6647.4	6439.5
42.5°	20537.1	19446.3	18355.5	15614.9	12874.3	10341.2	7809.0	7062.6	6316.2	6124.6
45°	22918.1	21446.7	19975.3	16494.2	13013.0	10142.6	7272.5	6617.9	5963.3	5768.9
47.5°	25895.8	23825.0	21753.8	17431.1	13108.3	9978.5	6848.8	6266.1	5683.4	5432.6
50°	29798.8	26676.8	23554.5	18300.3	13046.1	9799.7	6553.4	6032.4	5511.5	5181.9
52.5°	34279.0	29672.4	25065.9	18864.7	12663.2	9497.7	6332.6	5878.5	5424.9	5045.8
55°	39048.8	32328.3	25608.2	18740.3	11872.1	8997.0	6121.9	5766.9	5412.0	5059.4
57.5°	43387.1	34210.6	25034.0	17864.9	10696.1	8291.0	5885.5	5634.8	5384.0	5073.0
60°	46009.2	34680.9	23352.3	16235.7	9119.0	7374.4	5629.7	5432.6	5235.5	5030.3
62.5°	44677.8	32700.3	20722.9	14032.7	7342.5	6277.4	5212.2	5081.2	4950.6	4925.3
65°	42013.0	29897.9	17782.9	11785.0	5787.5	5290.3	4793.2	4731.3	4669.5	4672.6
67.5°	38442.4	26562.9	14683.4	9583.2	4482.9	4341.8	4200.3	4234.9	4269.1	4260.6
70°	34152.7	22923.9	11695.2	7545.4	3395.6	3436.1	3476.1	3636.3	3796.0	3796.0
72.5°	29040.7	18979.0	8917.7	5768.5	2619.3	2741.0	2863.1	3090.1	3316.7	3354.8
75°	22574.1	14456.8	6339.6	4186.7	2033.9	2144.3	2254.7	2508.9	2763.2	2938.9
77.5°	16128.8	10118.5	4108.2	2837.0	1565.8	1640.9	1716.3	1963.1	2210.0	2499.6
80°	10556.2	6519.2	2482.1	1827.9	1174.0	1205.1	1236.2	1445.3	1654.1	2000.1
82.5°	6136.2	3773.1	1410.3	1124.2	838.9	844.3	850.6	1004.5	1158.4	1453.9
85°	2699.8	1697.2	695.1	601.0	507.3	504.6	501.5	614.2	726.9	946.6
87.5°	835.8	555.9	276.0	249.2	222.4	219.6	216.9	262.8	309.0	400.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (continued):

50°		55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
10130.5	0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
10024.8	2.5°	9950.2	9875.9	9808.7	9741.8	9683.1	9624.4	9565.3	9506.6	9461.1	9415.3
9936.2	5°	9795.4	9654.3	9536.2	9418.4	9314.2	9210.0	9115.5	9020.7	8948.0	8874.9
9904.3	7.5°	9716.9	9529.9	9374.4	9218.9	9087.9	8956.5	8840.7	8725.2	8638.6	8552.3
9919.8	10°	9722.4	9524.9	9369.4	9213.9	9072.8	8931.3	8801.0	8670.8	8567.4	8463.6
9939.3	12.5°	9777.6	9616.6	9513.2	9410.6	9299.4	9189.0	9054.1	8919.6	8787.4	8655.3
9856.5	15°	9779.1	9702.1	9716.1	9730.1	9701.4	9672.6	9555.6	9438.6	9250.4	9062.3
9603.8	17.5°	9632.2	9660.2	9829.7	9999.1	10089.3	10179.1	10084.7	9990.6	9741.4	9492.2
9191.7	20°	9323.9	9456.1	9750.3	10045.0	10233.6	10422.1	10378.5	10334.6	10049.7	9765.1
8724.1	22.5°	8919.6	9115.1	9451.0	9787.7	10033.0	10278.3	10304.7	10330.7	10058.6	9786.5
8270.4	25°	8495.9	8721.4	9023.4	9325.8	9567.3	9808.7	9898.8	9988.6	9765.5	9542.8
7873.9	27.5°	8091.6	8309.3	8557.7	8805.7	8999.3	9192.9	9293.2	9393.9	9234.9	9076.3
7525.2	30°	7697.8	7871.2	8077.2	8283.2	8443.8	8604.7	8686.4	8768.0	8647.1	8525.8
7219.7	32.5°	7321.9	7424.1	7588.6	7753.4	7907.3	8061.7	8152.2	8243.2	8132.0	8020.5
6931.2	35°	6959.2	6987.6	7113.1	7238.3	7390.7	7543.5	7652.3	7761.2	7681.9	7603.0
6628.8	37.5°	6597.7	6566.6	6656.8	6746.6	6898.6	7050.9	7185.4	7320.0	7283.4	7246.9
6297.6	40°	6227.2	6156.8	6221.8	6286.7	6433.6	6580.6	6735.3	6890.4	6899.3	6907.9
5945.8	42.5°	5852.5	5759.2	5812.0	5865.3	6004.5	6144.0	6311.2	6478.3	6523.0	6567.7
5595.9	45°	5504.9	5414.4	5458.7	5503.8	5635.9	5768.1	5941.5	6114.9	6179.0	6243.1
5283.7	47.5°	5207.5	5131.4	5173.3	5214.9	5344.4	5473.4	5644.5	5815.5	5889.4	5963.3
5008.9	50°	4941.3	4874.0	4939.3	5005.0	5127.1	5248.8	5401.9	5555.1	5649.9	5744.8
4804.0	52.5°	4737.2	4670.7	4769.0	4867.0	4979.0	5090.5	5233.2	5376.3	5488.6	5600.9
4695.2	55°	4589.5	4484.1	4623.7	4762.8	4883.3	5003.8	5129.0	5253.8	5372.8	5492.1
4629.9	57.5°	4475.9	4322.0	4472.1	4622.1	4763.6	4905.1	5028.7	5152.7	5272.9	5392.6
4568.5	60°	4369.0	4169.2	4301.0	4432.4	4594.9	4757.4	4882.9	5008.9	5129.4	5249.9
4496.9	62.5°	4247.4	3998.2	4081.8	4165.3	4354.7	4544.4	4678.5	4812.6	4923.0	5033.4
4346.1	65°	4081.0	3815.5	3847.7	3879.6	4082.5	4285.8	4414.1	4542.4	4639.6	4736.8
4077.1	67.5°	3856.3	3635.5	3625.4	3615.3	3802.6	3990.4	4112.1	4233.4	4317.3	4401.3
3735.8	70°	3578.7	3421.7	3386.7	3351.7	3516.5	3681.4	3786.3	3891.3	3967.1	4042.9
3355.6	72.5°	3247.9	3140.2	3088.9	3038.0	3167.8	3297.3	3392.1	3487.0	3561.2	3635.5
2924.1	75°	2841.3	2758.1	2709.1	2659.8	2756.2	2852.6	2938.5	3024.4	3092.0	3159.7
2491.8	77.5°	2425.3	2358.9	2309.1	2259.4	2337.9	2416.0	2489.9	2563.7	2634.9	2705.6
1998.9	80°	1943.3	1887.3	1845.7	1803.7	1869.1	1934.0	1996.2	2058.4	2112.4	2166.1
1470.2	82.5°	1443.0	1415.8	1386.2	1356.7	1351.3	1345.8	1324.0	1302.3	1417.3	1532.4
968.0	85°	938.8	909.6	876.6	843.6	815.6	787.2	726.9	666.7	774.4	882.4
427.6	87.5°	416.0	404.3	398.1	391.8	390.7	389.5	343.6	297.4	342.5	388.0
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: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (continued):

105°		110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
10130.5	0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
9378.3	2.5°	9341.4	9312.6	9283.9	9257.4	9230.6	9197.6	9230.6	9257.4	9283.9	9312.6
8824.0	5°	8773.1	8736.9	8700.8	8673.2	8645.6	8618.3	8645.6	8673.2	8700.8	8736.9
8491.6	7.5°	8431.0	8389.4	8348.2	8323.3	8298.8	8280.1	8298.8	8323.3	8348.2	8389.4
8396.0	10°	8327.6	8288.3	8249.0	8228.0	8207.1	8198.5	8207.1	8228.0	8249.0	8288.3
8567.8	12.5°	8480.3	8436.4	8392.9	8375.0	8357.1	8354.0	8357.1	8375.0	8392.9	8436.4
8929.3	15°	8796.4	8735.4	8674.7	8651.4	8628.1	8626.1	8628.1	8651.4	8674.7	8735.4
9296.3	17.5°	9100.4	9010.2	8919.6	8890.1	8860.1	8855.5	8860.1	8890.1	8919.6	9010.2
9524.9	20°	9285.0	9169.6	9053.7	9016.8	8979.9	8968.2	8979.9	9016.8	9053.7	9169.6
9539.3	22.5°	9291.6	9170.0	9047.9	9007.1	8966.3	8948.8	8966.3	9007.1	9047.9	9170.0
9322.7	25°	9103.5	8997.7	8892.4	8853.9	8815.8	8793.3	8815.8	8853.9	8892.4	8997.7
8905.6	27.5°	8735.0	8664.2	8593.1	8575.6	8558.1	8552.3	8558.1	8575.6	8593.1	8664.2
8403.8	30°	8280.9	8244.8	8208.2	8208.2	8208.2	8214.1	8208.2	8208.2	8208.2	8244.8
7922.9	32.5°	7825.3	7801.6	7777.9	7781.0	7784.5	7790.3	7784.5	7781.0	7777.9	7801.6
7512.8	35°	7423.0	7386.8	7351.1	7343.3	7335.5	7331.6	7335.5	7343.3	7351.1	7386.8
7164.1	37.5°	7080.9	7015.2	6949.9	6915.3	6880.7	6861.2	6880.7	6915.3	6949.9	7015.2
6837.5	40°	6767.2	6671.5	6576.7	6512.2	6448.4	6410.3	6448.4	6512.2	6576.7	6671.5
6508.3	42.5°	6449.2	6330.6	6212.0	6118.4	6024.7	5963.3	6024.7	6118.4	6212.0	6330.6
6189.5	45°	6136.2	6000.6	5865.3	5755.3	5645.3	5574.5	5645.3	5755.3	5865.3	6000.6
5925.9	47.5°	5888.6	5768.1	5647.6	5545.7	5444.3	5376.3	5444.3	5545.7	5647.6	5768.1
5742.5	50°	5740.9	5644.5	5548.1	5454.0	5359.9	5294.6	5359.9	5454.0	5548.1	5644.5
5621.2	52.5°	5641.4	5562.9	5484.3	5400.0	5316.0	5255.7	5316.0	5400.0	5484.3	5562.9
5520.1	55°	5548.1	5479.7	5411.2	5337.4	5263.5	5209.1	5263.5	5337.4	5411.2	5479.7
5421.0	57.5°	5449.3	5380.1	5311.0	5237.9	5164.4	5108.0	5164.4	5237.9	5311.0	5380.1
5281.0	60°	5312.1	5244.5	5177.2	5101.8	5026.4	4968.1	5026.4	5101.8	5177.2	5244.5
5063.3	62.5°	5093.3	5032.2	4971.2	4891.9	4812.6	4742.6	4812.6	4891.9	4971.2	5032.2
4767.5	65°	4797.8	4739.1	4680.4	4603.4	4526.9	4466.6	4526.9	4603.4	4680.4	4739.1
4431.2	67.5°	4460.8	4406.7	4353.1	4281.6	4210.0	4155.6	4210.0	4281.6	4353.1	4406.7
4071.7	70°	4100.4	4056.5	4012.6	3944.1	3875.7	3813.5	3875.7	3944.1	4012.6	4056.5
3669.7	72.5°	3703.9	3667.4	3630.8	3565.5	3500.6	3440.3	3500.6	3565.5	3630.8	3667.4
3195.4	75°	3231.2	3213.3	3195.4	3140.6	3085.8	3028.3	3085.8	3140.6	3195.4	3213.3
2739.1	77.5°	2772.5	2747.6	2721.9	2666.7	2611.5	2565.7	2611.5	2666.7	2721.9	2747.6
2210.4	80°	2254.7	2243.8	2233.3	2159.1	2084.4	1998.1	2084.4	2159.1	2233.3	2243.8
1607.8	82.5°	1683.2	1678.6	1673.5	1610.9	1548.0	1492.8	1548.0	1610.9	1673.5	1678.6
975.7	85°	1069.0	1061.3	1053.5	1004.5	955.5	905.8	955.5	1004.5	1053.5	1061.3
425.7	87.5°	463.4	454.0	443.9	419.1	393.4	369.3	393.4	419.1	443.9	454.0
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: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (continued):

160°		165°	170°	175°	180°	185°	190°	195°	200°	205°	210°
10130.5	0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
9341.4	2.5°	9378.3	9415.3	9461.1	9506.6	9565.3	9624.4	9683.1	9741.8	9808.7	9875.9
8773.1	5°	8824.0	8874.9	8948.0	9020.7	9115.5	9210.0	9314.2	9418.4	9536.2	9654.3
8431.0	7.5°	8491.6	8552.3	8638.6	8725.2	8840.7	8956.5	9087.9	9218.9	9374.4	9529.9
8327.6	10°	8396.0	8463.6	8567.4	8670.8	8801.0	8931.3	9072.8	9213.9	9369.4	9524.9
8480.3	12.5°	8567.8	8655.3	8787.4	8919.6	9054.1	9189.0	9299.4	9410.6	9513.2	9616.6
8796.4	15°	8929.3	9062.3	9250.4	9438.6	9555.6	9672.6	9701.4	9730.1	9716.1	9702.1
9100.4	17.5°	9296.3	9492.2	9741.4	9990.6	10084.7	10179.1	10089.3	9999.1	9829.7	9660.2
9285.0	20°	9524.9	9765.1	10049.7	10334.6	10378.5	10422.1	10233.6	10045.0	9750.3	9456.1
9291.6	22.5°	9539.3	9786.5	10058.6	10330.7	10304.7	10278.3	10033.0	9787.7	9451.0	9115.1
9103.5	25°	9322.7	9542.8	9765.5	9988.6	9898.8	9808.7	9567.3	9325.8	9023.4	8721.4
8735.0	27.5°	8905.6	9076.3	9234.9	9393.9	9293.2	9192.9	8999.3	8805.7	8557.7	8309.3
8280.9	30°	8403.8	8525.8	8647.1	8768.0	8686.4	8604.7	8443.8	8283.2	8077.2	7871.2
7825.3	32.5°	7922.9	8020.5	8132.0	8243.2	8152.2	8061.7	7907.3	7753.4	7588.6	7424.1
7423.0	35°	7512.8	7603.0	7681.9	7761.2	7652.3	7543.5	7390.7	7238.3	7113.1	6987.6
7080.9	37.5°	7164.1	7246.9	7283.4	7320.0	7185.4	7050.9	6898.6	6746.6	6656.8	6566.6
6767.2	40°	6837.5	6907.9	6899.3	6890.4	6735.3	6580.6	6433.6	6286.7	6221.8	6156.8
6449.2	42.5°	6508.3	6567.7	6523.0	6478.3	6311.2	6144.0	6004.5	5865.3	5812.0	5759.2
6136.2	45°	6189.5	6243.1	6179.0	6114.9	5941.5	5768.1	5635.9	5503.8	5458.7	5414.4
5888.6	47.5°	5925.9	5963.3	5889.4	5815.5	5644.5	5473.4	5344.4	5214.9	5173.3	5131.4
5740.9	50°	5742.5	5744.8	5649.9	5555.1	5401.9	5248.8	5127.1	5005.0	4939.3	4874.0
5641.4	52.5°	5621.2	5600.9	5488.6	5376.3	5233.2	5090.5	4979.0	4867.0	4769.0	4670.7
5548.1	55°	5520.1	5492.1	5372.8	5253.8	5129.0	5003.8	4883.3	4762.8	4623.7	4484.1
5449.3	57.5°	5421.0	5392.6	5272.9	5152.7	5028.7	4905.1	4763.6	4622.1	4472.1	4322.0
5312.1	60°	5281.0	5249.9	5129.4	5008.9	4882.9	4757.4	4594.9	4432.4	4301.0	4169.2
5093.3	62.5°	5063.3	5033.4	4923.0	4812.6	4678.5	4544.4	4354.7	4165.3	4081.8	3998.2
4797.8	65°	4767.5	4736.8	4639.6	4542.4	4414.1	4285.8	4082.5	3879.6	3847.7	3815.5
4460.8	67.5°	4431.2	4401.3	4317.3	4233.4	4112.1	3990.4	3802.6	3615.3	3625.4	3635.5
4100.4	70°	4071.7	4042.9	3967.1	3891.3	3786.3	3681.4	3516.5	3351.7	3386.7	3421.7
3703.9	72.5°	3669.7	3635.5	3561.2	3487.0	3392.1	3297.3	3167.8	3038.0	3088.9	3140.2
3231.2	75°	3195.4	3159.7	3092.0	3024.4	2938.5	2852.6	2756.2	2659.8	2709.1	2758.1
2772.5	77.5°	2739.1	2705.6	2634.9	2563.7	2489.9	2416.0	2337.9	2259.4	2309.1	2358.9
2254.7	80°	2210.4	2166.1	2112.4	2058.4	1996.2	1934.0	1869.1	1803.7	1845.7	1887.3
1683.2	82.5°	1607.8	1532.4	1417.3	1302.3	1324.0	1345.8	1351.3	1356.7	1386.2	1415.8
1069.0	85°	975.7	882.4	774.4	666.7	726.9	787.2	815.6	843.6	876.6	909.6
463.4	87.5°	425.7	388.0	342.5	297.4	343.6	389.5	390.7	391.8	398.1	404.3
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: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (continued):

215°		220°	225°	230°	235°	240°	245°	250°	255°	260°	265°
10130.5	0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
9950.2	2.5°	10024.8	10116.9	10199.7	10285.3	10370.8	10460.2	10549.6	10638.2	10727.2	10810.8
9795.4	5°	9936.2	10097.5	10260.8	10433.8	10606.7	10791.8	10977.2	11161.1	11345.3	11530.0
9716.9	7.5°	9904.3	10113.0	10335.8	10577.2	10818.6	11092.7	11366.7	11648.2	11929.6	12234.0
9722.4	10°	9919.8	10144.1	10419.0	10705.1	10990.4	11323.6	11656.3	12028.0	12400.0	12785.2
9777.6	12.5°	9939.3	10148.0	10436.9	10759.9	11082.9	11475.6	11868.2	12289.6	12711.0	13133.9
9779.1	15°	9856.5	10023.6	10343.6	10717.5	11091.5	11543.6	11995.7	12452.9	12910.0	13351.2
9632.2	17.5°	9603.8	9706.8	10083.1	10532.9	10982.7	11507.4	12032.2	12531.0	13029.7	13477.2
9323.9	20°	9191.7	9218.9	9657.1	10214.5	10772.0	11407.9	12043.9	12592.0	13140.2	13605.5
8919.6	22.5°	8724.1	8670.8	9169.6	9840.9	10512.3	11285.9	12059.5	12674.4	13289.0	13764.5
8495.9	25°	8270.4	8126.6	8637.8	9423.8	10210.2	11165.4	12120.9	12823.7	13526.2	13991.5
8091.6	27.5°	7873.9	7699.0	8164.3	9042.5	9920.6	11084.9	12249.2	13057.0	13864.4	14308.7
7697.8	30°	7525.2	7388.0	7778.7	8723.7	9668.7	11047.2	12424.9	13359.0	14293.2	14721.9
7321.9	32.5°	7219.7	7158.6	7473.5	8448.9	9423.8	11000.5	12576.5	13674.3	14772.1	15196.6
6959.2	35°	6931.2	6956.5	7218.9	8178.7	9138.5	10912.7	12687.7	14033.5	15379.3	15786.3
6597.7	37.5°	6628.8	6721.3	6950.7	7860.7	8770.7	10762.2	12753.7	14435.8	16117.9	16636.5
6227.2	40°	6297.6	6439.5	6647.4	7481.3	8315.1	10555.0	12795.3	14946.6	17097.5	17853.2
5852.5	42.5°	5945.8	6124.6	6316.2	7062.6	7809.0	10341.2	12874.3	15614.9	18355.5	19446.3
5504.9	45°	5595.9	5768.9	5963.3	6617.9	7272.5	10142.6	13013.0	16494.2	19975.3	21446.7
5207.5	47.5°	5283.7	5432.6	5683.4	6266.1	6848.8	9978.5	13108.3	17431.1	21753.8	23825.0
4941.3	50°	5008.9	5181.9	5511.5	6032.4	6553.4	9799.7	13046.1	18300.3	23554.5	26676.8
4737.2	52.5°	4804.0	5045.8	5424.9	5878.5	6332.6	9497.7	12663.2	18864.7	25065.9	29672.4
4589.5	55°	4695.2	5059.4	5412.0	5766.9	6121.9	8997.0	11872.1	18740.3	25608.2	32328.3
4475.9	57.5°	4629.9	5073.0	5384.0	5634.8	5885.5	8291.0	10696.1	17864.9	25034.0	34210.6
4369.0	60°	4568.5	5030.3	5235.5	5432.6	5629.7	7374.4	9119.0	16235.7	23352.3	34680.9
4247.4	62.5°	4496.9	4925.3	4950.6	5081.2	5212.2	6277.4	7342.5	14032.7	20722.9	32700.3
4081.0	65°	4346.1	4672.6	4669.5	4731.3	4793.2	5290.3	5787.5	11785.0	17782.9	29897.9
3856.3	67.5°	4077.1	4260.6	4269.1	4234.9	4200.3	4341.8	4482.9	9583.2	14683.4	26562.9
3578.7	70°	3735.8	3796.0	3796.0	3636.3	3476.1	3436.1	3395.6	7545.4	11695.2	22923.9
3247.9	72.5°	3355.6	3354.8	3316.7	3090.1	2863.1	2741.0	2619.3	5768.5	8917.7	18979.0
2841.3	75°	2924.1	2938.9	2763.2	2508.9	2254.7	2144.3	2033.9	4186.7	6339.6	14456.8
2425.3	77.5°	2491.8	2499.6	2210.0	1963.1	1716.3	1640.9	1565.8	2837.0	4108.2	10118.5
1943.3	80°	1998.9	2000.1	1654.1	1445.3	1236.2	1205.1	1174.0	1827.9	2482.1	6519.2
1443.0	82.5°	1470.2	1453.9	1158.4	1004.5	850.6	844.3	838.9	1124.2	1410.3	3773.1
938.8	85°	968.0	946.6	726.9	614.2	501.5	504.6	507.3	601.0	695.1	1697.2
416.0	87.5°	427.6	400.4	309.0	262.8	216.9	219.6	222.4	249.2	276.0	555.9
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: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (continued):

270°		275°	280°	285°	290°	295°	300°	305°	310°	315°	320°
10130.5	0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
10894.4	2.5°	10935.6	10977.2	11035.9	11094.6	11129.6	11164.6	11182.1	11199.6	11191.8	11199.6
11714.6	5°	11858.9	12003.5	12146.5	12290.0	12367.7	12445.5	12492.5	12539.9	12575.7	12539.9
12538.8	7.5°	12773.6	13008.0	13219.1	13430.1	13557.3	13684.4	13753.2	13821.6	13854.7	13821.6
13170.5	10°	13448.0	13725.6	13973.2	14220.8	14370.9	14520.2	14587.0	14653.5	14678.8	14653.5
13557.3	12.5°	13858.2	14158.6	14382.6	14605.7	14714.5	14823.4	14859.9	14896.5	14900.4	14896.5
13792.5	15°	14052.1	14311.4	14451.8	14592.5	14596.4	14600.3	14561.4	14522.5	14476.6	14522.5
13924.6	17.5°	14099.9	14275.3	14278.0	14280.3	14122.9	13965.4	13821.2	13676.6	13574.8	13676.6
14070.4	20°	14131.4	14192.9	14008.2	13823.6	13476.0	13128.5	12875.4	12622.4	12466.9	12622.4
14239.5	22.5°	14159.4	14079.3	13696.8	13314.3	12803.1	12291.9	11975.5	11659.1	11487.2	11659.1
14457.2	25°	14204.5	13951.8	13371.1	12790.3	12169.5	11548.7	11215.9	10883.9	10721.4	10883.9
14752.6	27.5°	14300.9	13848.8	13079.5	12310.6	11622.5	10934.4	10607.1	10280.2	10126.6	10280.2
15151.1	30°	14477.4	13804.1	12857.1	11910.2	11193.3	10476.5	10172.9	9869.3	9726.2	9869.3
15621.5	32.5°	14699.0	13776.9	12705.5	11634.2	10960.5	10286.8	10048.5	9809.8	9706.8	9809.8
16192.9	35°	15064.0	13935.5	12819.1	11703.0	11234.9	10767.3	10711.7	10656.1	10647.6	10656.1
17155.0	37.5°	15827.1	14499.2	13484.6	12470.0	12439.6	12409.3	12663.6	12917.8	13050.0	12917.8
18608.9	40°	17164.8	15720.6	14966.1	14211.5	14744.1	15276.7	15894.8	16512.8	16820.7	16512.8
20537.1	42.5°	19104.2	17671.3	17236.7	16802.1	17963.6	19125.2	20249.4	21373.6	22033.7	21373.6
22918.1	45°	21631.0	20343.5	20151.8	19959.8	21820.7	23682.0	25529.3	27376.9	28498.4	27376.9
25895.8	47.5°	24643.7	23391.2	23352.3	23313.4	25998.1	28681.9	31386.4	34090.5	35678.5	34090.5
29798.8	50°	28252.0	26705.6	26712.2	26718.8	30178.6	33638.4	37208.1	40777.9	42936.2	40777.9
34279.0	52.5°	32406.0	30533.5	30344.2	30154.5	34287.2	38419.8	42836.7	47253.2	49840.2	47253.2
39048.8	55°	37198.4	35348.0	34609.8	33871.6	38471.2	43070.3	48335.8	53601.3	56678.1	53601.3
43387.1	57.5°	42379.5	41371.5	39890.8	38410.5	43054.8	47699.0	53663.1	59626.7	63442.2	59626.7
46009.2	60°	47574.2	49139.7	47301.0	45462.2	49857.3	54252.4	60637.8	67023.2	71147.0	67023.2
44677.8	62.5°	48954.3	53230.8	53023.6	52816.0	56842.2	60868.7	66943.9	73018.8	76830.3	73018.8
42013.0	65°	46026.7	50040.4	50834.6	51628.4	56745.0	61862.0	67752.9	73643.5	76888.7	73643.5
38442.4	67.5°	42259.8	46077.2	46449.6	46821.7	52152.8	57483.6	63399.8	69316.0	71858.4	69316.0
34152.7	70°	38304.8	42457.3	42623.7	42790.4	47557.9	52325.0	57416.3	62507.3	63920.3	62507.3
29040.7	72.5°	33805.5	38570.7	38690.4	38809.7	42539.7	46269.6	50082.8	53895.5	54038.6	53895.5
22574.1	75°	27505.6	32437.1	32879.9	33322.7	36224.6	39126.6	41810.8	44495.0	43775.9	44495.0
16128.8	77.5°	20732.2	25336.1	25969.7	26603.3	28809.4	31015.5	32919.2	34823.2	33587.0	34823.2
10556.2	80°	14429.2	18301.8	19089.4	19877.0	21543.1	23208.5	24208.3	25207.8	23219.4	25207.8
6136.2	82.5°	8783.9	11432.0	12311.7	13191.9	14338.6	15485.4	15902.5	16319.3	14756.5	16319.3
2699.8	85°	4105.1	5510.4	6258.7	7007.0	7949.3	8891.2	9128.0	9364.7	8113.0	9364.7
835.8	87.5°	1308.1	1780.4	2197.9	2615.4	3086.6	3557.7	3578.0	3597.8	3020.5	3597.8
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: P956077
 CATALOG NUMBER: GALN-SB8D-830-U-SLR

CANDELA DISTRIBUTION (continued):

325°		330°	335°	340°	345°	350°	355°	360°
10130.5	0°	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5	10130.5
11182.1	2.5°	11164.6	11129.6	11094.6	11035.9	10977.2	10935.6	10894.4
12492.5	5°	12445.5	12367.7	12290.0	12146.5	12003.5	11858.9	11714.6
13753.2	7.5°	13684.4	13557.3	13430.1	13219.1	13008.0	12773.6	12538.8
14587.0	10°	14520.2	14370.9	14220.8	13973.2	13725.6	13448.0	13170.5
14859.9	12.5°	14823.4	14714.5	14605.7	14382.6	14158.6	13858.2	13557.3
14561.4	15°	14600.3	14596.4	14592.5	14451.8	14311.4	14052.1	13792.5
13821.2	17.5°	13965.4	14122.9	14280.3	14278.0	14275.3	14099.9	13924.6
12875.4	20°	13128.5	13476.0	13823.6	14008.2	14192.9	14131.4	14070.4
11975.5	22.5°	12291.9	12803.1	13314.3	13696.8	14079.3	14159.4	14239.5
11215.9	25°	11548.7	12169.5	12790.3	13371.1	13951.8	14204.5	14457.2
10607.1	27.5°	10934.4	11622.5	12310.6	13079.5	13848.8	14300.9	14752.6
10172.9	30°	10476.5	11193.3	11910.2	12857.1	13804.1	14477.4	15151.1
10048.5	32.5°	10286.8	10960.5	11634.2	12705.5	13776.9	14699.0	15621.5
10711.7	35°	10767.3	11234.9	11703.0	12819.1	13935.5	15064.0	16192.9
12663.6	37.5°	12409.3	12439.6	12470.0	13484.6	14499.2	15827.1	17155.0
15894.8	40°	15276.7	14744.1	14211.5	14966.1	15720.6	17164.8	18608.9
20249.4	42.5°	19125.2	17963.6	16802.1	17236.7	17671.3	19104.2	20537.1
25529.3	45°	23682.0	21820.7	19959.8	20151.8	20343.5	21631.0	22918.1
31386.4	47.5°	28681.9	25998.1	23313.4	23352.3	23391.2	24643.7	25895.8
37208.1	50°	33638.4	30178.6	26718.8	26712.2	26705.6	28252.0	29798.8
42836.7	52.5°	38419.8	34287.2	30154.5	30344.2	30533.5	32406.0	34279.0
48335.8	55°	43070.3	38471.2	33871.6	34609.8	35348.0	37198.4	39048.8
53663.1	57.5°	47699.0	43054.8	38410.5	39890.8	41371.5	42379.5	43387.1
60637.8	60°	54252.4	49857.3	45462.2	47301.0	49139.7	47574.2	46009.2
66943.9	62.5°	60868.7	56842.2	52816.0	53023.6	53230.8	48954.3	44677.8
67752.9	65°	61862.0	56745.0	51628.4	50834.6	50040.4	46026.7	42013.0
63399.8	67.5°	57483.6	52152.8	46821.7	46449.6	46077.2	42259.8	38442.4
57416.3	70°	52325.0	47557.9	42790.4	42623.7	42457.3	38304.8	34152.7
50082.8	72.5°	46269.6	42539.7	38809.7	38690.4	38570.7	33805.5	29040.7
41810.8	75°	39126.6	36224.6	33322.7	32879.9	32437.1	27505.6	22574.1
32919.2	77.5°	31015.5	28809.4	26603.3	25969.7	25336.1	20732.2	16128.8
24208.3	80°	23208.5	21543.1	19877.0	19089.4	18301.8	14429.2	10556.2
15902.5	82.5°	15485.4	14338.6	13191.9	12311.7	11432.0	8783.9	6136.2
9128.0	85°	8891.2	7949.3	7007.0	6258.7	5510.4	4105.1	2699.8
3578.0	87.5°	3557.7	3086.6	2615.4	2197.9	1780.4	1308.1	835.8
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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