

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: P956497

Luminaire Tested: **GALN-SB9A-850-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956497
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-SB9A-850-U-SLR
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38942 lumens
Efficiency: N/A
Efficacy: 152.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

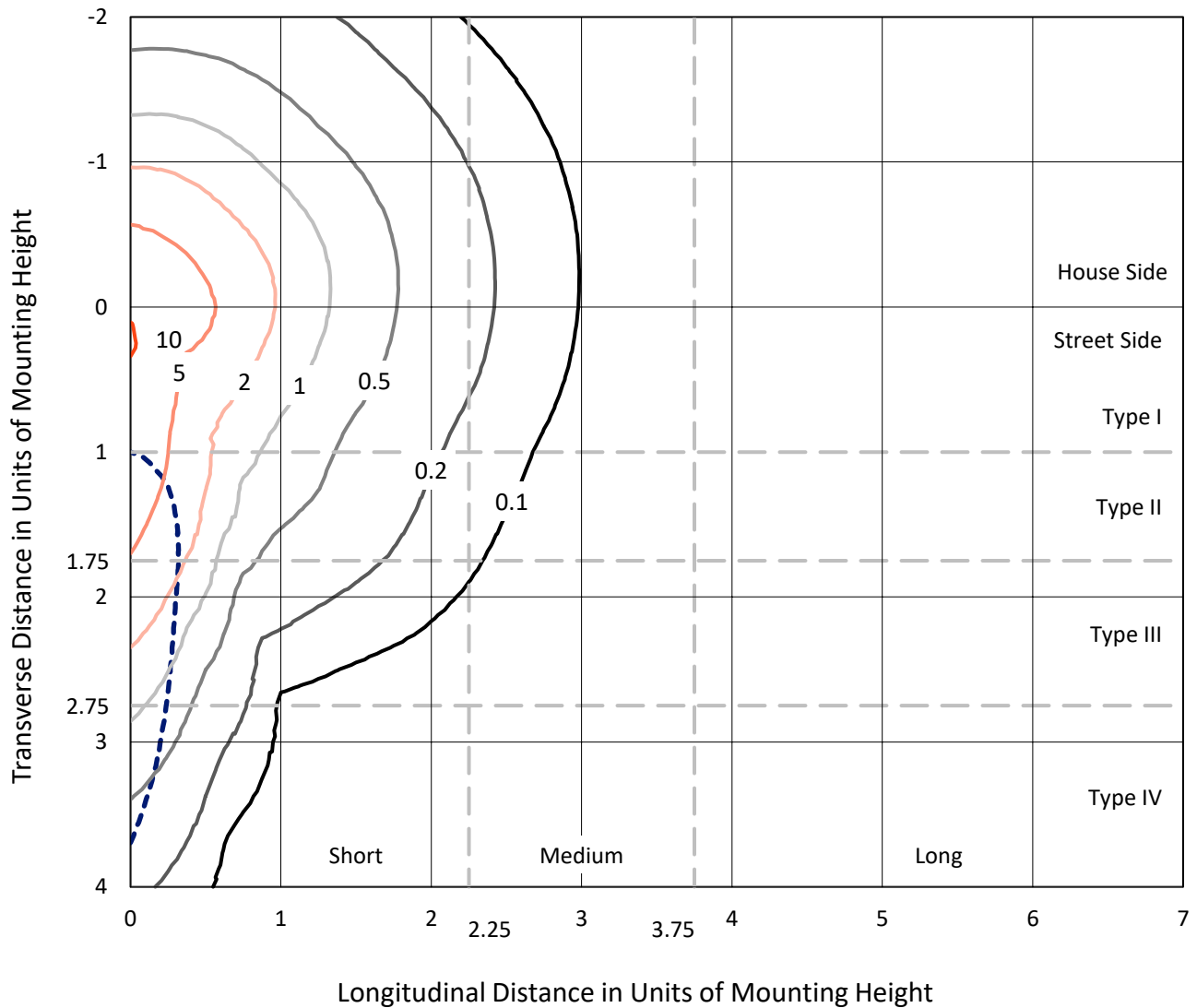
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

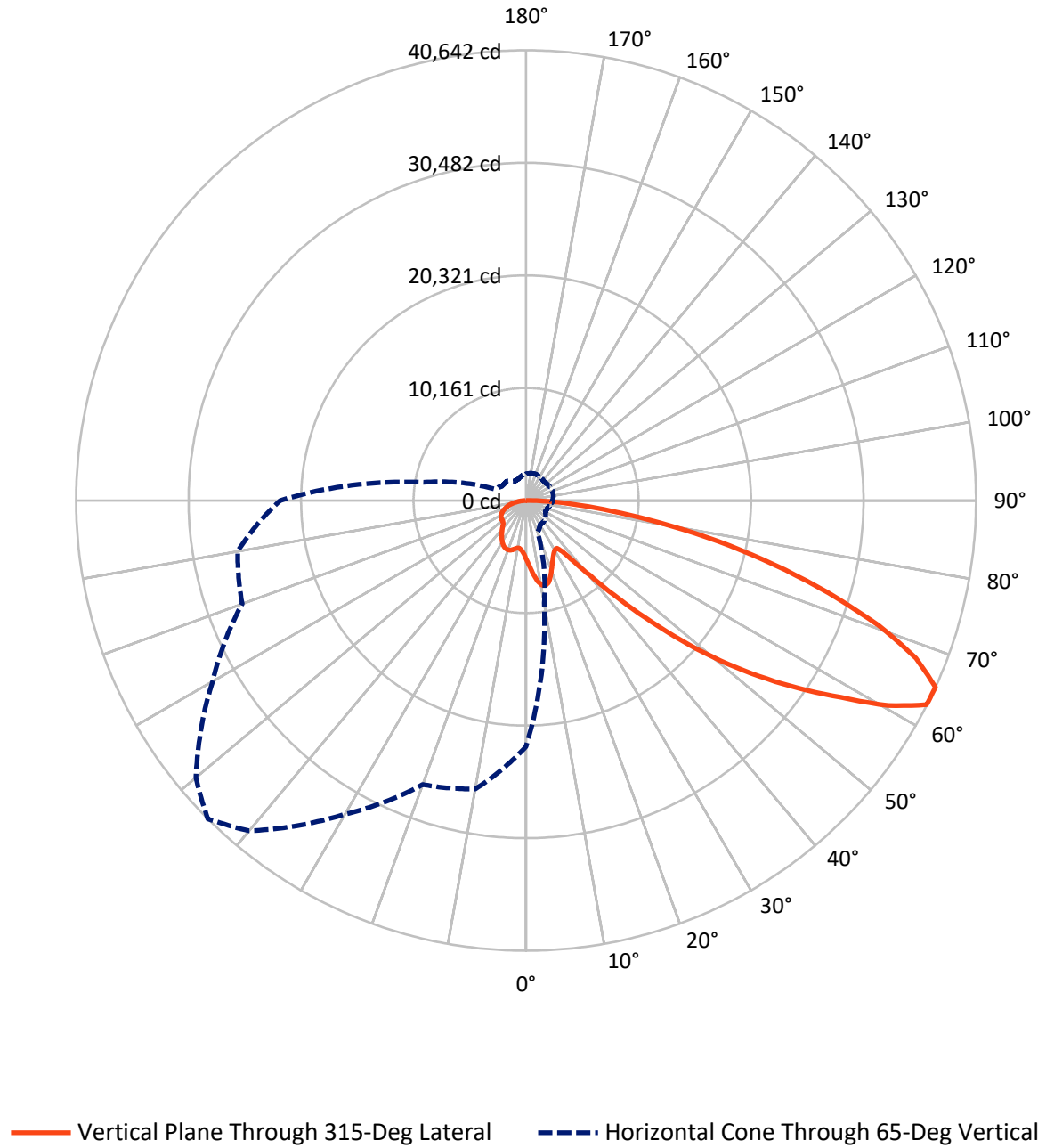
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Short - N/A

REPORT NUMBER: P956497
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Luminous Intensity Polar Plot



REPORT NUMBER: P956497

CATALOG NUMBER: GALN-SB9A-850-U-SLR

FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 9897.1 | 0.0 | 9897.1 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 29044.9 | 0.0 | 29044.9 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | Lumens | 38942.0 | 0.0 | 38942.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 531.2 | 1.4 |
| 10°-20° | 1667.5 | 4.3 |
| 20°-30° | 2575.8 | 6.6 |
| 30°-40° | 3264.1 | 8.4 |
| 40°-50° | 4923.2 | 12.6 |
| 50°-60° | 7954.1 | 20.4 |
| 60°-70° | 9916.1 | 25.5 |
| 70°-80° | 6502.5 | 16.7 |
| 80°-90° | 1607.6 | 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° | 38942.0 | 100.0 |
| 0°-180° | 38942.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P956497

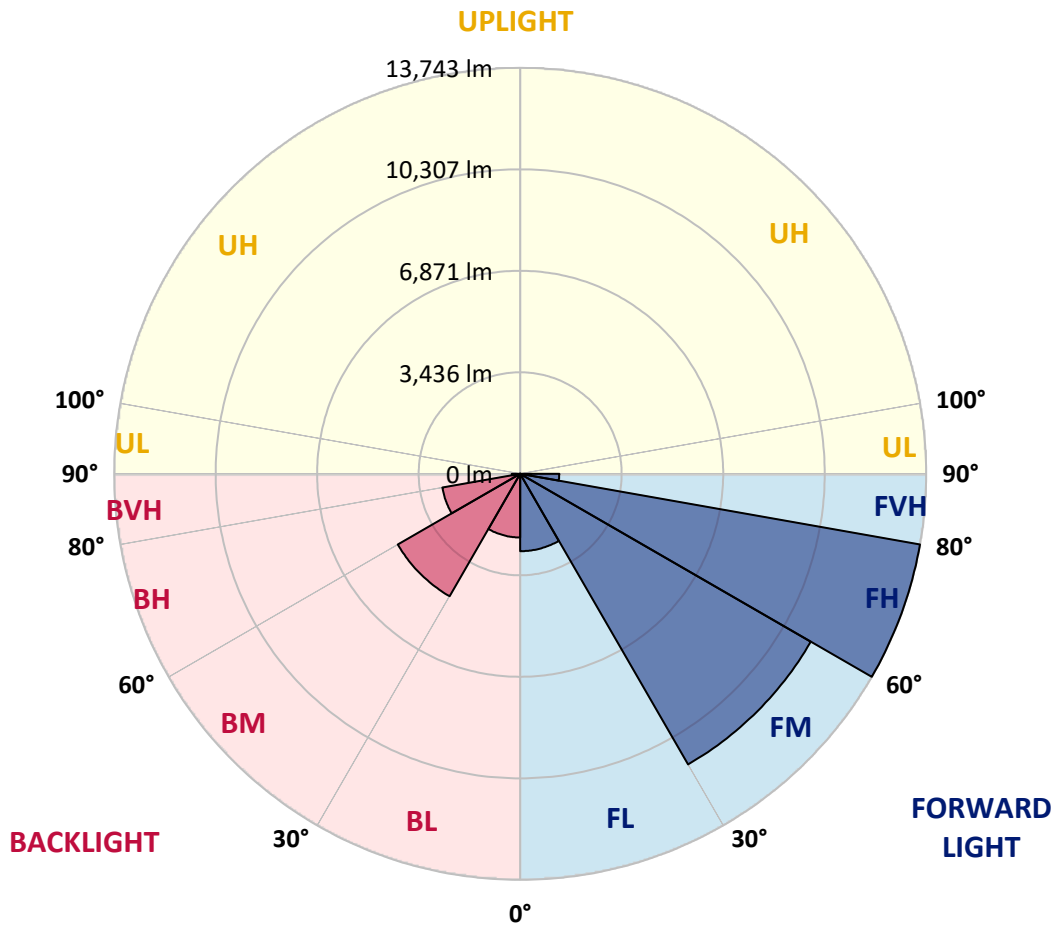
CATALOG NUMBER: GALN-SB9A-850-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2619.3 | 6.7 | | | |
| FM (30°-60°) | 11358.5 | 29.2 | | | |
| FH (60°-80°) | 13742.8 | 35.3 | | | G5 |
| FVH (80°-90°) | 1324.3 | 3.4 | | | G5 |
| BL (0°-30°) | 2155.2 | 5.5 | B3/2500 | | |
| BM (30°-60°) | 4782.9 | 12.3 | B3/5000 | | |
| BH (60°-80°) | 2675.7 | 6.9 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 283.3 | 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: P956497

CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 2.5° | 5758.6 | 5714.5 | 5670.3 | 5623.2 | 5576.4 | 5529.1 | 5481.8 | 5436.6 | 5391.4 | 5347.7 |
| 5° | 6192.2 | 6094.6 | 5997.0 | 5899.6 | 5802.4 | 5704.4 | 5606.6 | 5515.1 | 5423.7 | 5337.4 |
| 7.5° | 6627.8 | 6466.7 | 6305.8 | 6157.1 | 6008.3 | 5863.4 | 5718.6 | 5591.0 | 5463.4 | 5345.6 |
| 10° | 6961.7 | 6758.1 | 6554.5 | 6357.8 | 6161.4 | 5985.5 | 5809.4 | 5658.6 | 5507.3 | 5362.1 |
| 12.5° | 7166.2 | 6942.4 | 6718.8 | 6496.1 | 6273.4 | 6065.8 | 5858.3 | 5687.5 | 5516.8 | 5364.1 |
| 15° | 7290.5 | 7057.3 | 6824.1 | 6582.4 | 6340.8 | 6101.8 | 5862.8 | 5665.1 | 5467.5 | 5298.4 |
| 17.5° | 7360.4 | 7123.9 | 6887.3 | 6623.7 | 6360.1 | 6082.7 | 5805.3 | 5567.5 | 5329.8 | 5130.9 |
| 20° | 7437.4 | 7191.7 | 6945.7 | 6656.0 | 6366.2 | 6030.1 | 5693.9 | 5399.2 | 5104.6 | 4873.0 |
| 22.5° | 7526.8 | 7275.7 | 7024.4 | 6699.5 | 6374.5 | 5965.6 | 5556.6 | 5201.8 | 4846.9 | 4583.3 |
| 25° | 7641.9 | 7395.7 | 7149.7 | 6778.4 | 6406.9 | 5901.9 | 5397.0 | 4981.3 | 4565.8 | 4295.6 |
| 27.5° | 7798.0 | 7563.4 | 7328.5 | 6901.7 | 6474.7 | 5859.3 | 5243.9 | 4779.7 | 4315.5 | 4069.6 |
| 30° | 8008.7 | 7781.8 | 7555.2 | 7061.4 | 6567.6 | 5839.4 | 5110.7 | 4611.2 | 4111.7 | 3905.2 |
| 32.5° | 8257.3 | 8032.7 | 7808.3 | 7228.0 | 6647.8 | 5814.7 | 4981.3 | 4465.9 | 3950.4 | 3784.0 |
| 35° | 8559.4 | 8344.4 | 8129.3 | 7417.9 | 6706.5 | 5768.3 | 4830.5 | 4323.1 | 3815.8 | 3677.1 |
| 37.5° | 9067.9 | 8793.8 | 8519.7 | 7630.6 | 6741.5 | 5688.8 | 4636.1 | 4155.1 | 3674.0 | 3552.8 |
| 40° | 9836.4 | 9437.0 | 9037.5 | 7900.6 | 6763.4 | 5579.2 | 4395.3 | 3954.5 | 3513.7 | 3403.8 |
| 42.5° | 10855.6 | 10279.0 | 9702.4 | 8253.8 | 6805.2 | 5466.2 | 4127.7 | 3733.2 | 3338.7 | 3237.4 |
| 45° | 12114.2 | 11336.4 | 10558.7 | 8718.6 | 6878.5 | 5361.2 | 3844.2 | 3498.1 | 3152.1 | 3049.4 |
| 47.5° | 13688.2 | 12593.6 | 11498.8 | 9213.8 | 6928.9 | 5274.5 | 3620.2 | 3312.2 | 3004.1 | 2871.6 |
| 50° | 15751.2 | 14101.0 | 12450.6 | 9673.3 | 6896.0 | 5180.0 | 3464.0 | 3188.7 | 2913.3 | 2739.1 |
| 52.5° | 18119.4 | 15684.4 | 13249.5 | 9971.6 | 6693.6 | 5020.3 | 3347.3 | 3107.3 | 2867.5 | 2667.2 |
| 55° | 20640.7 | 17088.3 | 13536.1 | 9905.9 | 6275.4 | 4755.7 | 3235.9 | 3048.3 | 2860.7 | 2674.3 |
| 57.5° | 22933.8 | 18083.2 | 13232.6 | 9443.1 | 5653.8 | 4382.5 | 3111.0 | 2978.5 | 2845.9 | 2681.5 |
| 60° | 24319.8 | 18331.9 | 12343.7 | 8582.0 | 4820.2 | 3898.0 | 2975.8 | 2871.6 | 2767.4 | 2658.9 |
| 62.5° | 23616.0 | 17284.9 | 10953.8 | 7417.5 | 3881.1 | 3318.1 | 2755.1 | 2685.9 | 2616.8 | 2603.5 |
| 65° | 22207.5 | 15803.6 | 9399.8 | 6229.4 | 3059.2 | 2796.4 | 2533.6 | 2500.9 | 2468.2 | 2469.9 |
| 67.5° | 20320.1 | 14040.8 | 7761.5 | 5065.5 | 2369.6 | 2295.0 | 2220.2 | 2238.5 | 2256.6 | 2252.1 |
| 70° | 18052.6 | 12117.3 | 6181.9 | 3988.4 | 1794.9 | 1816.3 | 1837.4 | 1922.1 | 2006.5 | 2006.5 |
| 72.5° | 15350.5 | 10032.0 | 4713.8 | 3049.1 | 1384.5 | 1448.9 | 1513.4 | 1633.4 | 1753.2 | 1773.3 |
| 75° | 11932.3 | 7641.7 | 3351.0 | 2213.0 | 1075.1 | 1133.4 | 1191.8 | 1326.2 | 1460.6 | 1553.4 |
| 77.5° | 8525.4 | 5348.5 | 2171.5 | 1499.6 | 827.7 | 867.3 | 907.2 | 1037.7 | 1168.2 | 1321.2 |
| 80° | 5579.9 | 3445.9 | 1312.0 | 966.2 | 620.6 | 637.0 | 653.4 | 764.0 | 874.3 | 1057.2 |
| 82.5° | 3243.5 | 1994.4 | 745.5 | 594.3 | 443.4 | 446.3 | 449.6 | 531.0 | 612.3 | 768.5 |
| 85° | 1427.1 | 897.1 | 367.4 | 317.7 | 268.2 | 266.7 | 265.1 | 324.7 | 384.3 | 500.3 |
| 87.5° | 441.8 | 293.8 | 145.9 | 131.7 | 117.5 | 116.1 | 114.7 | 138.9 | 163.4 | 211.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 50° | | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5354.9 | 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 5299.0 | 2.5° | 5259.5 | 5220.3 | 5184.7 | 5149.4 | 5118.4 | 5087.3 | 5056.1 | 5025.1 | 5001.0 | 4976.8 |
| 5252.1 | 5° | 5177.7 | 5103.1 | 5040.7 | 4978.4 | 4923.3 | 4868.3 | 4818.3 | 4768.2 | 4729.8 | 4691.2 |
| 5235.3 | 7.5° | 5136.2 | 5037.4 | 4955.2 | 4873.0 | 4803.8 | 4734.3 | 4673.1 | 4612.0 | 4566.2 | 4520.6 |
| 5243.5 | 10° | 5139.1 | 5034.7 | 4952.5 | 4870.3 | 4795.7 | 4720.9 | 4652.1 | 4583.3 | 4528.6 | 4473.8 |
| 5253.8 | 12.5° | 5168.3 | 5083.2 | 5028.6 | 4974.3 | 4915.5 | 4857.2 | 4785.9 | 4714.8 | 4644.9 | 4575.1 |
| 5210.0 | 15° | 5169.1 | 5128.4 | 5135.8 | 5143.2 | 5128.0 | 5112.8 | 5051.0 | 4989.1 | 4889.6 | 4790.2 |
| 5076.4 | 17.5° | 5091.4 | 5106.2 | 5195.8 | 5285.4 | 5333.1 | 5380.5 | 5330.6 | 5280.9 | 5149.2 | 5017.5 |
| 4858.6 | 20° | 4928.5 | 4998.3 | 5153.9 | 5309.7 | 5409.3 | 5509.0 | 5486.0 | 5462.7 | 5312.1 | 5161.7 |
| 4611.4 | 22.5° | 4714.8 | 4818.1 | 4995.7 | 5173.6 | 5303.3 | 5432.9 | 5446.9 | 5460.7 | 5316.8 | 5173.0 |
| 4371.6 | 25° | 4490.8 | 4610.0 | 4769.6 | 4929.5 | 5057.1 | 5184.7 | 5232.4 | 5279.9 | 5161.9 | 5044.2 |
| 4162.0 | 27.5° | 4277.1 | 4392.2 | 4523.5 | 4654.6 | 4756.9 | 4859.2 | 4912.3 | 4965.5 | 4881.4 | 4797.6 |
| 3977.7 | 30° | 4069.0 | 4160.6 | 4269.5 | 4378.4 | 4463.3 | 4548.3 | 4591.5 | 4634.6 | 4570.7 | 4506.6 |
| 3816.2 | 32.5° | 3870.3 | 3924.3 | 4011.2 | 4098.3 | 4179.7 | 4261.3 | 4309.2 | 4357.2 | 4298.5 | 4239.5 |
| 3663.7 | 35° | 3678.5 | 3693.5 | 3759.9 | 3826.1 | 3906.6 | 3987.4 | 4044.9 | 4102.4 | 4060.5 | 4018.8 |
| 3503.9 | 37.5° | 3487.4 | 3471.0 | 3518.7 | 3566.1 | 3646.5 | 3727.0 | 3798.1 | 3869.2 | 3849.9 | 3830.6 |
| 3328.8 | 40° | 3291.6 | 3254.4 | 3288.7 | 3323.1 | 3400.7 | 3478.4 | 3560.2 | 3642.2 | 3646.9 | 3651.4 |
| 3142.8 | 42.5° | 3093.5 | 3044.2 | 3072.2 | 3100.3 | 3173.9 | 3247.6 | 3336.0 | 3424.4 | 3448.0 | 3471.6 |
| 2957.9 | 45° | 2909.8 | 2862.0 | 2885.4 | 2909.2 | 2979.1 | 3048.9 | 3140.6 | 3232.2 | 3266.1 | 3300.0 |
| 2792.9 | 47.5° | 2752.6 | 2712.4 | 2734.6 | 2756.5 | 2825.0 | 2893.2 | 2983.6 | 3074.0 | 3113.1 | 3152.1 |
| 2647.6 | 50° | 2611.9 | 2576.3 | 2610.9 | 2645.6 | 2710.1 | 2774.4 | 2855.4 | 2936.3 | 2986.5 | 3036.6 |
| 2539.3 | 52.5° | 2504.0 | 2468.9 | 2520.9 | 2572.6 | 2631.8 | 2690.8 | 2766.2 | 2841.8 | 2901.2 | 2960.6 |
| 2481.8 | 55° | 2425.9 | 2370.2 | 2444.0 | 2517.6 | 2581.3 | 2645.0 | 2711.1 | 2777.1 | 2840.0 | 2903.0 |
| 2447.3 | 57.5° | 2365.9 | 2284.5 | 2363.9 | 2443.2 | 2518.0 | 2592.8 | 2658.1 | 2723.7 | 2787.2 | 2850.4 |
| 2414.8 | 60° | 2309.4 | 2203.8 | 2273.5 | 2342.9 | 2428.8 | 2514.7 | 2581.1 | 2647.6 | 2711.3 | 2775.0 |
| 2377.0 | 62.5° | 2245.1 | 2113.4 | 2157.6 | 2201.7 | 2301.8 | 2402.1 | 2473.0 | 2543.9 | 2602.2 | 2660.6 |
| 2297.3 | 65° | 2157.1 | 2016.8 | 2033.9 | 2050.7 | 2158.0 | 2265.4 | 2333.2 | 2401.1 | 2452.4 | 2503.8 |
| 2155.1 | 67.5° | 2038.4 | 1921.7 | 1916.3 | 1911.0 | 2010.0 | 2109.3 | 2173.6 | 2237.7 | 2282.1 | 2326.5 |
| 1974.7 | 70° | 1891.7 | 1808.7 | 1790.2 | 1771.7 | 1858.8 | 1945.9 | 2001.4 | 2056.9 | 2096.9 | 2137.0 |
| 1773.7 | 72.5° | 1716.8 | 1659.9 | 1632.8 | 1605.8 | 1674.5 | 1742.9 | 1793.0 | 1843.2 | 1882.4 | 1921.7 |
| 1545.6 | 75° | 1501.9 | 1457.9 | 1432.0 | 1405.9 | 1456.9 | 1507.8 | 1553.2 | 1598.6 | 1634.4 | 1670.2 |
| 1317.1 | 77.5° | 1282.0 | 1246.9 | 1220.6 | 1194.3 | 1235.8 | 1277.1 | 1316.1 | 1355.2 | 1392.8 | 1430.2 |
| 1056.6 | 80° | 1027.2 | 997.6 | 975.6 | 953.4 | 988.0 | 1022.3 | 1055.1 | 1088.0 | 1116.6 | 1144.9 |
| 777.1 | 82.5° | 762.7 | 748.4 | 732.7 | 717.1 | 714.3 | 711.4 | 699.9 | 688.4 | 749.2 | 810.0 |
| 511.7 | 85° | 496.2 | 480.8 | 463.4 | 445.9 | 431.1 | 416.1 | 384.3 | 352.4 | 409.3 | 466.4 |
| 226.0 | 87.5° | 219.9 | 213.7 | 210.4 | 207.1 | 206.5 | 205.9 | 181.6 | 157.2 | 181.0 | 205.1 |
| 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: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 105° | | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5354.9 | 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 4957.3 | 2.5° | 4937.7 | 4922.5 | 4907.3 | 4893.3 | 4879.2 | 4861.7 | 4879.2 | 4893.3 | 4907.3 | 4922.5 |
| 4664.2 | 5° | 4637.3 | 4618.2 | 4599.1 | 4584.5 | 4569.9 | 4555.5 | 4569.9 | 4584.5 | 4599.1 | 4618.2 |
| 4488.5 | 7.5° | 4456.5 | 4434.5 | 4412.7 | 4399.6 | 4386.6 | 4376.8 | 4386.6 | 4399.6 | 4412.7 | 4434.5 |
| 4438.0 | 10° | 4401.8 | 4381.1 | 4360.3 | 4349.2 | 4338.1 | 4333.6 | 4338.1 | 4349.2 | 4360.3 | 4381.1 |
| 4528.8 | 12.5° | 4482.6 | 4459.4 | 4436.4 | 4426.9 | 4417.5 | 4415.8 | 4417.5 | 4426.9 | 4436.4 | 4459.4 |
| 4719.9 | 15° | 4649.6 | 4617.4 | 4585.3 | 4573.0 | 4560.7 | 4559.6 | 4560.7 | 4573.0 | 4585.3 | 4617.4 |
| 4913.9 | 17.5° | 4810.3 | 4762.7 | 4714.8 | 4699.2 | 4683.3 | 4680.9 | 4683.3 | 4699.2 | 4714.8 | 4762.7 |
| 5034.7 | 20° | 4907.9 | 4846.9 | 4785.7 | 4766.2 | 4746.6 | 4740.5 | 4746.6 | 4766.2 | 4785.7 | 4846.9 |
| 5042.3 | 22.5° | 4911.4 | 4847.1 | 4782.6 | 4761.0 | 4739.4 | 4730.2 | 4739.4 | 4761.0 | 4782.6 | 4847.1 |
| 4927.9 | 25° | 4812.0 | 4756.1 | 4700.4 | 4680.1 | 4659.9 | 4648.0 | 4659.9 | 4680.1 | 4700.4 | 4756.1 |
| 4707.4 | 27.5° | 4617.2 | 4579.8 | 4542.2 | 4532.9 | 4523.7 | 4520.6 | 4523.7 | 4532.9 | 4542.2 | 4579.8 |
| 4442.1 | 30° | 4377.2 | 4358.1 | 4338.8 | 4338.8 | 4338.8 | 4341.8 | 4338.8 | 4338.8 | 4338.8 | 4358.1 |
| 4187.9 | 32.5° | 4136.4 | 4123.8 | 4111.3 | 4112.9 | 4114.8 | 4117.9 | 4114.8 | 4112.9 | 4111.3 | 4123.8 |
| 3971.1 | 35° | 3923.7 | 3904.6 | 3885.7 | 3881.6 | 3877.4 | 3875.4 | 3877.4 | 3881.6 | 3885.7 | 3904.6 |
| 3786.8 | 37.5° | 3742.9 | 3708.1 | 3673.6 | 3655.3 | 3637.0 | 3626.8 | 3637.0 | 3655.3 | 3673.6 | 3708.1 |
| 3614.2 | 40° | 3577.0 | 3526.5 | 3476.3 | 3442.2 | 3408.5 | 3388.4 | 3408.5 | 3442.2 | 3476.3 | 3526.5 |
| 3440.2 | 42.5° | 3408.9 | 3346.3 | 3283.6 | 3234.1 | 3184.6 | 3152.1 | 3184.6 | 3234.1 | 3283.6 | 3346.3 |
| 3271.7 | 45° | 3243.5 | 3171.8 | 3100.3 | 3042.2 | 2984.0 | 2946.6 | 2984.0 | 3042.2 | 3100.3 | 3171.8 |
| 3132.4 | 47.5° | 3112.6 | 3048.9 | 2985.2 | 2931.4 | 2877.8 | 2841.8 | 2877.8 | 2931.4 | 2985.2 | 3048.9 |
| 3035.4 | 50° | 3034.6 | 2983.6 | 2932.6 | 2882.9 | 2833.2 | 2798.7 | 2833.2 | 2882.9 | 2932.6 | 2983.6 |
| 2971.3 | 52.5° | 2982.0 | 2940.4 | 2898.9 | 2854.4 | 2810.0 | 2778.1 | 2810.0 | 2854.4 | 2898.9 | 2940.4 |
| 2917.8 | 55° | 2932.6 | 2896.5 | 2860.3 | 2821.3 | 2782.2 | 2753.5 | 2782.2 | 2821.3 | 2860.3 | 2896.5 |
| 2865.4 | 57.5° | 2880.4 | 2843.9 | 2807.3 | 2768.7 | 2729.8 | 2700.0 | 2729.8 | 2768.7 | 2807.3 | 2843.9 |
| 2791.5 | 60° | 2807.9 | 2772.2 | 2736.6 | 2696.7 | 2656.9 | 2626.1 | 2656.9 | 2696.7 | 2736.6 | 2772.2 |
| 2676.4 | 62.5° | 2692.2 | 2660.0 | 2627.7 | 2585.8 | 2543.9 | 2506.9 | 2543.9 | 2585.8 | 2627.7 | 2660.0 |
| 2520.0 | 65° | 2536.1 | 2505.0 | 2474.0 | 2433.3 | 2392.8 | 2361.0 | 2392.8 | 2433.3 | 2474.0 | 2505.0 |
| 2342.3 | 67.5° | 2357.9 | 2329.3 | 2301.0 | 2263.2 | 2225.4 | 2196.6 | 2225.4 | 2263.2 | 2301.0 | 2329.3 |
| 2152.2 | 70° | 2167.4 | 2144.2 | 2121.0 | 2084.8 | 2048.7 | 2015.8 | 2048.7 | 2084.8 | 2121.0 | 2144.2 |
| 1939.7 | 72.5° | 1957.8 | 1938.5 | 1919.2 | 1884.7 | 1850.4 | 1818.5 | 1850.4 | 1884.7 | 1919.2 | 1938.5 |
| 1689.1 | 75° | 1708.0 | 1698.5 | 1689.1 | 1660.1 | 1631.1 | 1600.7 | 1631.1 | 1660.1 | 1689.1 | 1698.5 |
| 1447.8 | 77.5° | 1465.5 | 1452.3 | 1438.8 | 1409.6 | 1380.4 | 1356.2 | 1380.4 | 1409.6 | 1438.8 | 1452.3 |
| 1168.4 | 80° | 1191.8 | 1186.0 | 1180.5 | 1141.2 | 1101.8 | 1056.2 | 1101.8 | 1141.2 | 1180.5 | 1186.0 |
| 849.9 | 82.5° | 889.7 | 887.3 | 884.6 | 851.5 | 818.2 | 789.1 | 818.2 | 851.5 | 884.6 | 887.3 |
| 515.8 | 85° | 565.1 | 561.0 | 556.9 | 531.0 | 505.1 | 478.8 | 505.1 | 531.0 | 556.9 | 561.0 |
| 225.0 | 87.5° | 244.9 | 240.0 | 234.7 | 221.5 | 207.9 | 195.2 | 207.9 | 221.5 | 234.7 | 240.0 |
| 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: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 160° | | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5354.9 | 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 4937.7 | 2.5° | 4957.3 | 4976.8 | 5001.0 | 5025.1 | 5056.1 | 5087.3 | 5118.4 | 5149.4 | 5184.7 | 5220.3 |
| 4637.3 | 5° | 4664.2 | 4691.2 | 4729.8 | 4768.2 | 4818.3 | 4868.3 | 4923.3 | 4978.4 | 5040.7 | 5103.1 |
| 4456.5 | 7.5° | 4488.5 | 4520.6 | 4566.2 | 4612.0 | 4673.1 | 4734.3 | 4803.8 | 4873.0 | 4955.2 | 5037.4 |
| 4401.8 | 10° | 4438.0 | 4473.8 | 4528.6 | 4583.3 | 4652.1 | 4720.9 | 4795.7 | 4870.3 | 4952.5 | 5034.7 |
| 4482.6 | 12.5° | 4528.8 | 4575.1 | 4644.9 | 4714.8 | 4785.9 | 4857.2 | 4915.5 | 4974.3 | 5028.6 | 5083.2 |
| 4649.6 | 15° | 4719.9 | 4790.2 | 4889.6 | 4989.1 | 5051.0 | 5112.8 | 5128.0 | 5143.2 | 5135.8 | 5128.4 |
| 4810.3 | 17.5° | 4913.9 | 5017.5 | 5149.2 | 5280.9 | 5330.6 | 5380.5 | 5333.1 | 5285.4 | 5195.8 | 5106.2 |
| 4907.9 | 20° | 5034.7 | 5161.7 | 5312.1 | 5462.7 | 5486.0 | 5509.0 | 5409.3 | 5309.7 | 5153.9 | 4998.3 |
| 4911.4 | 22.5° | 5042.3 | 5173.0 | 5316.8 | 5460.7 | 5446.9 | 5432.9 | 5303.3 | 5173.6 | 4995.7 | 4818.1 |
| 4812.0 | 25° | 4927.9 | 5044.2 | 5161.9 | 5279.9 | 5232.4 | 5184.7 | 5057.1 | 4929.5 | 4769.6 | 4610.0 |
| 4617.2 | 27.5° | 4707.4 | 4797.6 | 4881.4 | 4965.5 | 4912.3 | 4859.2 | 4756.9 | 4654.6 | 4523.5 | 4392.2 |
| 4377.2 | 30° | 4442.1 | 4506.6 | 4570.7 | 4634.6 | 4591.5 | 4548.3 | 4463.3 | 4378.4 | 4269.5 | 4160.6 |
| 4136.4 | 32.5° | 4187.9 | 4239.5 | 4298.5 | 4357.2 | 4309.2 | 4261.3 | 4179.7 | 4098.3 | 4011.2 | 3924.3 |
| 3923.7 | 35° | 3971.1 | 4018.8 | 4060.5 | 4102.4 | 4044.9 | 3987.4 | 3906.6 | 3826.1 | 3759.9 | 3693.5 |
| 3742.9 | 37.5° | 3786.8 | 3830.6 | 3849.9 | 3869.2 | 3798.1 | 3727.0 | 3646.5 | 3566.1 | 3518.7 | 3471.0 |
| 3577.0 | 40° | 3614.2 | 3651.4 | 3646.9 | 3642.2 | 3560.2 | 3478.4 | 3400.7 | 3323.1 | 3288.7 | 3254.4 |
| 3408.9 | 42.5° | 3440.2 | 3471.6 | 3448.0 | 3424.4 | 3336.0 | 3247.6 | 3173.9 | 3100.3 | 3072.2 | 3044.2 |
| 3243.5 | 45° | 3271.7 | 3300.0 | 3266.1 | 3232.2 | 3140.6 | 3048.9 | 2979.1 | 2909.2 | 2885.4 | 2862.0 |
| 3112.6 | 47.5° | 3132.4 | 3152.1 | 3113.1 | 3074.0 | 2983.6 | 2893.2 | 2825.0 | 2756.5 | 2734.6 | 2712.4 |
| 3034.6 | 50° | 3035.4 | 3036.6 | 2986.5 | 2936.3 | 2855.4 | 2774.4 | 2710.1 | 2645.6 | 2610.9 | 2576.3 |
| 2982.0 | 52.5° | 2971.3 | 2960.6 | 2901.2 | 2841.8 | 2766.2 | 2690.8 | 2631.8 | 2572.6 | 2520.9 | 2468.9 |
| 2932.6 | 55° | 2917.8 | 2903.0 | 2840.0 | 2777.1 | 2711.1 | 2645.0 | 2581.3 | 2517.6 | 2444.0 | 2370.2 |
| 2880.4 | 57.5° | 2865.4 | 2850.4 | 2787.2 | 2723.7 | 2658.1 | 2592.8 | 2518.0 | 2443.2 | 2363.9 | 2284.5 |
| 2807.9 | 60° | 2791.5 | 2775.0 | 2711.3 | 2647.6 | 2581.1 | 2514.7 | 2428.8 | 2342.9 | 2273.5 | 2203.8 |
| 2692.2 | 62.5° | 2676.4 | 2660.6 | 2602.2 | 2543.9 | 2473.0 | 2402.1 | 2301.8 | 2201.7 | 2157.6 | 2113.4 |
| 2536.1 | 65° | 2520.0 | 2503.8 | 2452.4 | 2401.1 | 2333.2 | 2265.4 | 2158.0 | 2050.7 | 2033.9 | 2016.8 |
| 2357.9 | 67.5° | 2342.3 | 2326.5 | 2282.1 | 2237.7 | 2173.6 | 2109.3 | 2010.0 | 1911.0 | 1916.3 | 1921.7 |
| 2167.4 | 70° | 2152.2 | 2137.0 | 2096.9 | 2056.9 | 2001.4 | 1945.9 | 1858.8 | 1771.7 | 1790.2 | 1808.7 |
| 1957.8 | 72.5° | 1939.7 | 1921.7 | 1882.4 | 1843.2 | 1793.0 | 1742.9 | 1674.5 | 1605.8 | 1632.8 | 1659.9 |
| 1708.0 | 75° | 1689.1 | 1670.2 | 1634.4 | 1598.6 | 1553.2 | 1507.8 | 1456.9 | 1405.9 | 1432.0 | 1457.9 |
| 1465.5 | 77.5° | 1447.8 | 1430.2 | 1392.8 | 1355.2 | 1316.1 | 1277.1 | 1235.8 | 1194.3 | 1220.6 | 1246.9 |
| 1191.8 | 80° | 1168.4 | 1144.9 | 1116.6 | 1088.0 | 1055.1 | 1022.3 | 988.0 | 953.4 | 975.6 | 997.6 |
| 889.7 | 82.5° | 849.9 | 810.0 | 749.2 | 688.4 | 699.9 | 711.4 | 714.3 | 717.1 | 732.7 | 748.4 |
| 565.1 | 85° | 515.8 | 466.4 | 409.3 | 352.4 | 384.3 | 416.1 | 431.1 | 445.9 | 463.4 | 480.8 |
| 244.9 | 87.5° | 225.0 | 205.1 | 181.0 | 157.2 | 181.6 | 205.9 | 206.5 | 207.1 | 210.4 | 213.7 |
| 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: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 215° | | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 5354.9 | 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 5259.5 | 2.5° | 5299.0 | 5347.7 | 5391.4 | 5436.6 | 5481.8 | 5529.1 | 5576.4 | 5623.2 | 5670.3 | 5714.5 |
| 5177.7 | 5° | 5252.1 | 5337.4 | 5423.7 | 5515.1 | 5606.6 | 5704.4 | 5802.4 | 5899.6 | 5997.0 | 6094.6 |
| 5136.2 | 7.5° | 5235.3 | 5345.6 | 5463.4 | 5591.0 | 5718.6 | 5863.4 | 6008.3 | 6157.1 | 6305.8 | 6466.7 |
| 5139.1 | 10° | 5243.5 | 5362.1 | 5507.3 | 5658.6 | 5809.4 | 5985.5 | 6161.4 | 6357.8 | 6554.5 | 6758.1 |
| 5168.3 | 12.5° | 5253.8 | 5364.1 | 5516.8 | 5687.5 | 5858.3 | 6065.8 | 6273.4 | 6496.1 | 6718.8 | 6942.4 |
| 5169.1 | 15° | 5210.0 | 5298.4 | 5467.5 | 5665.1 | 5862.8 | 6101.8 | 6340.8 | 6582.4 | 6824.1 | 7057.3 |
| 5091.4 | 17.5° | 5076.4 | 5130.9 | 5329.8 | 5567.5 | 5805.3 | 6082.7 | 6360.1 | 6623.7 | 6887.3 | 7123.9 |
| 4928.5 | 20° | 4858.6 | 4873.0 | 5104.6 | 5399.2 | 5693.9 | 6030.1 | 6366.2 | 6656.0 | 6945.7 | 7191.7 |
| 4714.8 | 22.5° | 4611.4 | 4583.3 | 4846.9 | 5201.8 | 5556.6 | 5965.6 | 6374.5 | 6699.5 | 7024.4 | 7275.7 |
| 4490.8 | 25° | 4371.6 | 4295.6 | 4565.8 | 4981.3 | 5397.0 | 5901.9 | 6406.9 | 6778.4 | 7149.7 | 7395.7 |
| 4277.1 | 27.5° | 4162.0 | 4069.6 | 4315.5 | 4779.7 | 5243.9 | 5859.3 | 6474.7 | 6901.7 | 7328.5 | 7563.4 |
| 4069.0 | 30° | 3977.7 | 3905.2 | 4111.7 | 4611.2 | 5110.7 | 5839.4 | 6567.6 | 7061.4 | 7555.2 | 7781.8 |
| 3870.3 | 32.5° | 3816.2 | 3784.0 | 3950.4 | 4465.9 | 4981.3 | 5814.7 | 6647.8 | 7228.0 | 7808.3 | 8032.7 |
| 3678.5 | 35° | 3663.7 | 3677.1 | 3815.8 | 4323.1 | 4830.5 | 5768.3 | 6706.5 | 7417.9 | 8129.3 | 8344.4 |
| 3487.4 | 37.5° | 3503.9 | 3552.8 | 3674.0 | 4155.1 | 4636.1 | 5688.8 | 6741.5 | 7630.6 | 8519.7 | 8793.8 |
| 3291.6 | 40° | 3328.8 | 3403.8 | 3513.7 | 3954.5 | 4395.3 | 5579.2 | 6763.4 | 7900.6 | 9037.5 | 9437.0 |
| 3093.5 | 42.5° | 3142.8 | 3237.4 | 3338.7 | 3733.2 | 4127.7 | 5466.2 | 6805.2 | 8253.8 | 9702.4 | 10279.0 |
| 2909.8 | 45° | 2957.9 | 3049.4 | 3152.1 | 3498.1 | 3844.2 | 5361.2 | 6878.5 | 8718.6 | 10558.7 | 11336.4 |
| 2752.6 | 47.5° | 2792.9 | 2871.6 | 3004.1 | 3312.2 | 3620.2 | 5274.5 | 6928.9 | 9213.8 | 11498.8 | 12593.6 |
| 2611.9 | 50° | 2647.6 | 2739.1 | 2913.3 | 3188.7 | 3464.0 | 5180.0 | 6896.0 | 9673.3 | 12450.6 | 14101.0 |
| 2504.0 | 52.5° | 2539.3 | 2667.2 | 2867.5 | 3107.3 | 3347.3 | 5020.3 | 6693.6 | 9971.6 | 13249.5 | 15684.4 |
| 2425.9 | 55° | 2481.8 | 2674.3 | 2860.7 | 3048.3 | 3235.9 | 4755.7 | 6275.4 | 9905.9 | 13536.1 | 17088.3 |
| 2365.9 | 57.5° | 2447.3 | 2681.5 | 2845.9 | 2978.5 | 3111.0 | 4382.5 | 5653.8 | 9443.1 | 13232.6 | 18083.2 |
| 2309.4 | 60° | 2414.8 | 2658.9 | 2767.4 | 2871.6 | 2975.8 | 3898.0 | 4820.2 | 8582.0 | 12343.7 | 18331.9 |
| 2245.1 | 62.5° | 2377.0 | 2603.5 | 2616.8 | 2685.9 | 2755.1 | 3318.1 | 3881.1 | 7417.5 | 10953.8 | 17284.9 |
| 2157.1 | 65° | 2297.3 | 2469.9 | 2468.2 | 2500.9 | 2533.6 | 2796.4 | 3059.2 | 6229.4 | 9399.8 | 15803.6 |
| 2038.4 | 67.5° | 2155.1 | 2252.1 | 2256.6 | 2238.5 | 2220.2 | 2295.0 | 2369.6 | 5065.5 | 7761.5 | 14040.8 |
| 1891.7 | 70° | 1974.7 | 2006.5 | 2006.5 | 1922.1 | 1837.4 | 1816.3 | 1794.9 | 3988.4 | 6181.9 | 12117.3 |
| 1716.8 | 72.5° | 1773.7 | 1773.3 | 1753.2 | 1633.4 | 1513.4 | 1448.9 | 1384.5 | 3049.1 | 4713.8 | 10032.0 |
| 1501.9 | 75° | 1545.6 | 1553.4 | 1460.6 | 1326.2 | 1191.8 | 1133.4 | 1075.1 | 2213.0 | 3351.0 | 7641.7 |
| 1282.0 | 77.5° | 1317.1 | 1321.2 | 1168.2 | 1037.7 | 907.2 | 867.3 | 827.7 | 1499.6 | 2171.5 | 5348.5 |
| 1027.2 | 80° | 1056.6 | 1057.2 | 874.3 | 764.0 | 653.4 | 637.0 | 620.6 | 966.2 | 1312.0 | 3445.9 |
| 762.7 | 82.5° | 777.1 | 768.5 | 612.3 | 531.0 | 449.6 | 446.3 | 443.4 | 594.3 | 745.5 | 1994.4 |
| 496.2 | 85° | 511.7 | 500.3 | 384.3 | 324.7 | 265.1 | 266.7 | 268.2 | 317.7 | 367.4 | 897.1 |
| 219.9 | 87.5° | 226.0 | 211.6 | 163.4 | 138.9 | 114.7 | 116.1 | 117.5 | 131.7 | 145.9 | 293.8 |
| 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: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 270° | | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 5354.9 | 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 5758.6 | 2.5° | 5780.4 | 5802.4 | 5833.4 | 5864.5 | 5882.9 | 5901.4 | 5910.7 | 5919.9 | 5915.8 | 5919.9 |
| 6192.2 | 5° | 6268.4 | 6344.9 | 6420.5 | 6496.3 | 6537.4 | 6578.5 | 6603.4 | 6628.4 | 6647.3 | 6628.4 |
| 6627.8 | 7.5° | 6751.9 | 6875.8 | 6987.4 | 7099.0 | 7166.2 | 7233.4 | 7269.7 | 7305.9 | 7323.4 | 7305.9 |
| 6961.7 | 10° | 7108.4 | 7255.2 | 7386.0 | 7516.9 | 7596.3 | 7675.2 | 7710.5 | 7745.6 | 7759.0 | 7745.6 |
| 7166.2 | 12.5° | 7325.2 | 7484.1 | 7602.4 | 7720.4 | 7777.9 | 7835.4 | 7854.8 | 7874.1 | 7876.1 | 7874.1 |
| 7290.5 | 15° | 7427.8 | 7564.8 | 7639.0 | 7713.4 | 7715.4 | 7717.5 | 7696.9 | 7676.4 | 7652.1 | 7676.4 |
| 7360.4 | 17.5° | 7453.0 | 7545.7 | 7547.1 | 7548.4 | 7465.2 | 7381.9 | 7305.7 | 7229.3 | 7175.4 | 7229.3 |
| 7437.4 | 20° | 7469.7 | 7502.1 | 7404.5 | 7306.9 | 7123.2 | 6939.5 | 6805.8 | 6672.0 | 6589.8 | 6672.0 |
| 7526.8 | 22.5° | 7484.5 | 7442.1 | 7240.0 | 7037.8 | 6767.5 | 6497.3 | 6330.1 | 6162.8 | 6072.0 | 6162.8 |
| 7641.9 | 25° | 7508.3 | 7374.7 | 7067.8 | 6760.8 | 6432.6 | 6104.5 | 5928.6 | 5753.1 | 5667.2 | 5753.1 |
| 7798.0 | 27.5° | 7559.3 | 7320.3 | 6913.6 | 6507.2 | 6143.5 | 5779.8 | 5606.8 | 5434.0 | 5352.8 | 5434.0 |
| 8008.7 | 30° | 7652.6 | 7296.7 | 6796.1 | 6295.6 | 5916.6 | 5537.7 | 5377.3 | 5216.8 | 5141.2 | 5216.8 |
| 8257.3 | 32.5° | 7769.7 | 7282.3 | 6716.0 | 6149.7 | 5793.6 | 5437.5 | 5311.5 | 5185.3 | 5130.9 | 5185.3 |
| 8559.4 | 35° | 7962.6 | 7366.1 | 6776.0 | 6186.0 | 5938.6 | 5691.4 | 5662.1 | 5632.7 | 5628.2 | 5632.7 |
| 9067.9 | 37.5° | 8366.0 | 7664.1 | 7127.8 | 6591.5 | 6575.4 | 6559.4 | 6693.8 | 6828.2 | 6898.0 | 6828.2 |
| 9836.4 | 40° | 9073.1 | 8309.7 | 7910.9 | 7512.0 | 7793.5 | 8075.0 | 8401.7 | 8728.5 | 8891.2 | 8728.5 |
| 10855.6 | 42.5° | 10098.2 | 9340.8 | 9111.1 | 8881.3 | 9495.3 | 10109.3 | 10703.6 | 11297.8 | 11646.7 | 11297.8 |
| 12114.2 | 45° | 11433.8 | 10753.3 | 10652.0 | 10550.5 | 11534.1 | 12518.0 | 13494.4 | 14471.1 | 15063.9 | 14471.1 |
| 13688.2 | 47.5° | 13026.3 | 12364.3 | 12343.7 | 12323.2 | 13742.2 | 15160.9 | 16590.4 | 18019.7 | 18859.1 | 18019.7 |
| 15751.2 | 50° | 14933.6 | 14116.2 | 14119.7 | 14123.2 | 15952.0 | 17780.8 | 19667.7 | 21554.6 | 22695.5 | 21554.6 |
| 18119.4 | 52.5° | 17129.4 | 16139.6 | 16039.5 | 15939.2 | 18123.7 | 20308.2 | 22642.9 | 24977.4 | 26344.8 | 24977.4 |
| 20640.7 | 55° | 19662.6 | 18684.5 | 18294.3 | 17904.1 | 20335.3 | 22766.4 | 25549.6 | 28332.9 | 29959.3 | 28332.9 |
| 22933.8 | 57.5° | 22401.2 | 21868.4 | 21085.7 | 20303.3 | 22758.2 | 25213.0 | 28365.6 | 31517.9 | 33534.7 | 31517.9 |
| 24319.8 | 60° | 25147.1 | 25974.6 | 25002.6 | 24030.7 | 26353.9 | 28677.1 | 32052.3 | 35427.6 | 37607.3 | 35427.6 |
| 23616.0 | 62.5° | 25876.6 | 28137.1 | 28027.5 | 27917.8 | 30046.0 | 32174.4 | 35385.6 | 38596.7 | 40611.5 | 38596.7 |
| 22207.5 | 65° | 24329.1 | 26450.7 | 26870.5 | 27290.1 | 29994.6 | 32699.4 | 35813.2 | 38926.9 | 40642.3 | 38926.9 |
| 20320.1 | 67.5° | 22337.9 | 24355.8 | 24552.6 | 24749.3 | 27567.3 | 30385.0 | 33512.3 | 36639.5 | 37983.3 | 36639.5 |
| 18052.6 | 70° | 20247.4 | 22442.3 | 22530.3 | 22618.4 | 25138.5 | 27658.3 | 30349.5 | 33040.5 | 33787.4 | 33040.5 |
| 15350.5 | 72.5° | 17869.1 | 20387.9 | 20451.2 | 20514.3 | 22485.9 | 24457.5 | 26473.1 | 28488.4 | 28564.0 | 28488.4 |
| 11932.3 | 75° | 14539.1 | 17145.8 | 17379.9 | 17613.9 | 19147.8 | 20681.8 | 22100.6 | 23519.5 | 23139.3 | 23519.5 |
| 8525.4 | 77.5° | 10958.8 | 13392.3 | 13727.2 | 14062.2 | 15228.3 | 16394.4 | 17400.6 | 18407.1 | 17753.6 | 18407.1 |
| 5579.9 | 80° | 7627.1 | 9674.1 | 10090.4 | 10506.7 | 11387.4 | 12267.7 | 12796.2 | 13324.5 | 12273.4 | 13324.5 |
| 3243.5 | 82.5° | 4643.1 | 6042.8 | 6507.8 | 6973.0 | 7579.2 | 8185.4 | 8405.9 | 8626.1 | 7800.1 | 8626.1 |
| 1427.1 | 85° | 2169.9 | 2912.7 | 3308.3 | 3703.8 | 4201.9 | 4699.8 | 4824.9 | 4950.1 | 4288.4 | 4950.1 |
| 441.8 | 87.5° | 691.4 | 941.1 | 1161.8 | 1382.5 | 1631.5 | 1880.6 | 1891.3 | 1901.7 | 1596.6 | 1901.7 |
| 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: P956497
 CATALOG NUMBER: GALN-SB9A-850-U-SLR

CANDELA DISTRIBUTION (continued):

| 325° | | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|---------|-------|---------|---------|---------|---------|---------|---------|---------|
| 5354.9 | 0° | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 | 5354.9 |
| 5910.7 | 2.5° | 5901.4 | 5882.9 | 5864.5 | 5833.4 | 5802.4 | 5780.4 | 5758.6 |
| 6603.4 | 5° | 6578.5 | 6537.4 | 6496.3 | 6420.5 | 6344.9 | 6268.4 | 6192.2 |
| 7269.7 | 7.5° | 7233.4 | 7166.2 | 7099.0 | 6987.4 | 6875.8 | 6751.9 | 6627.8 |
| 7710.5 | 10° | 7675.2 | 7596.3 | 7516.9 | 7386.0 | 7255.2 | 7108.4 | 6961.7 |
| 7854.8 | 12.5° | 7835.4 | 7777.9 | 7720.4 | 7602.4 | 7484.1 | 7325.2 | 7166.2 |
| 7696.9 | 15° | 7717.5 | 7715.4 | 7713.4 | 7639.0 | 7564.8 | 7427.8 | 7290.5 |
| 7305.7 | 17.5° | 7381.9 | 7465.2 | 7548.4 | 7547.1 | 7545.7 | 7453.0 | 7360.4 |
| 6805.8 | 20° | 6939.5 | 7123.2 | 7306.9 | 7404.5 | 7502.1 | 7469.7 | 7437.4 |
| 6330.1 | 22.5° | 6497.3 | 6767.5 | 7037.8 | 7240.0 | 7442.1 | 7484.5 | 7526.8 |
| 5928.6 | 25° | 6104.5 | 6432.6 | 6760.8 | 7067.8 | 7374.7 | 7508.3 | 7641.9 |
| 5606.8 | 27.5° | 5779.8 | 6143.5 | 6507.2 | 6913.6 | 7320.3 | 7559.3 | 7798.0 |
| 5377.3 | 30° | 5537.7 | 5916.6 | 6295.6 | 6796.1 | 7296.7 | 7652.6 | 8008.7 |
| 5311.5 | 32.5° | 5437.5 | 5793.6 | 6149.7 | 6716.0 | 7282.3 | 7769.7 | 8257.3 |
| 5662.1 | 35° | 5691.4 | 5938.6 | 6186.0 | 6776.0 | 7366.1 | 7962.6 | 8559.4 |
| 6693.8 | 37.5° | 6559.4 | 6575.4 | 6591.5 | 7127.8 | 7664.1 | 8366.0 | 9067.9 |
| 8401.7 | 40° | 8075.0 | 7793.5 | 7512.0 | 7910.9 | 8309.7 | 9073.1 | 9836.4 |
| 10703.6 | 42.5° | 10109.3 | 9495.3 | 8881.3 | 9111.1 | 9340.8 | 10098.2 | 10855.6 |
| 13494.4 | 45° | 12518.0 | 11534.1 | 10550.5 | 10652.0 | 10753.3 | 11433.8 | 12114.2 |
| 16590.4 | 47.5° | 15160.9 | 13742.2 | 12323.2 | 12343.7 | 12364.3 | 13026.3 | 13688.2 |
| 19667.7 | 50° | 17780.8 | 15952.0 | 14123.2 | 14119.7 | 14116.2 | 14933.6 | 15751.2 |
| 22642.9 | 52.5° | 20308.2 | 18123.7 | 15939.2 | 16039.5 | 16139.6 | 17129.4 | 18119.4 |
| 25549.6 | 55° | 22766.4 | 20335.3 | 17904.1 | 18294.3 | 18684.5 | 19662.6 | 20640.7 |
| 28365.6 | 57.5° | 25213.0 | 22758.2 | 20303.3 | 21085.7 | 21868.4 | 22401.2 | 22933.8 |
| 32052.3 | 60° | 28677.1 | 26353.9 | 24030.7 | 25002.6 | 25974.6 | 25147.1 | 24319.8 |
| 35385.6 | 62.5° | 32174.4 | 30046.0 | 27917.8 | 28027.5 | 28137.1 | 25876.6 | 23616.0 |
| 35813.2 | 65° | 32699.4 | 29994.6 | 27290.1 | 26870.5 | 26450.7 | 24329.1 | 22207.5 |
| 33512.3 | 67.5° | 30385.0 | 27567.3 | 24749.3 | 24552.6 | 24355.8 | 22337.9 | 20320.1 |
| 30349.5 | 70° | 27658.3 | 25138.5 | 22618.4 | 22530.3 | 22442.3 | 20247.4 | 18052.6 |
| 26473.1 | 72.5° | 24457.5 | 22485.9 | 20514.3 | 20451.2 | 20387.9 | 17869.1 | 15350.5 |
| 22100.6 | 75° | 20681.8 | 19147.8 | 17613.9 | 17379.9 | 17145.8 | 14539.1 | 11932.3 |
| 17400.6 | 77.5° | 16394.4 | 15228.3 | 14062.2 | 13727.2 | 13392.3 | 10958.8 | 8525.4 |
| 12796.2 | 80° | 12267.7 | 11387.4 | 10506.7 | 10090.4 | 9674.1 | 7627.1 | 5579.9 |
| 8405.9 | 82.5° | 8185.4 | 7579.2 | 6973.0 | 6507.8 | 6042.8 | 4643.1 | 3243.5 |
| 4824.9 | 85° | 4699.8 | 4201.9 | 3703.8 | 3308.3 | 2912.7 | 2169.9 | 1427.1 |
| 1891.3 | 87.5° | 1880.6 | 1631.5 | 1382.5 | 1161.8 | 941.1 | 691.4 | 441.8 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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