

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: P527847

Luminaire Tested: **GALN-SA2D-827-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527847
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2D-827-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6322 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

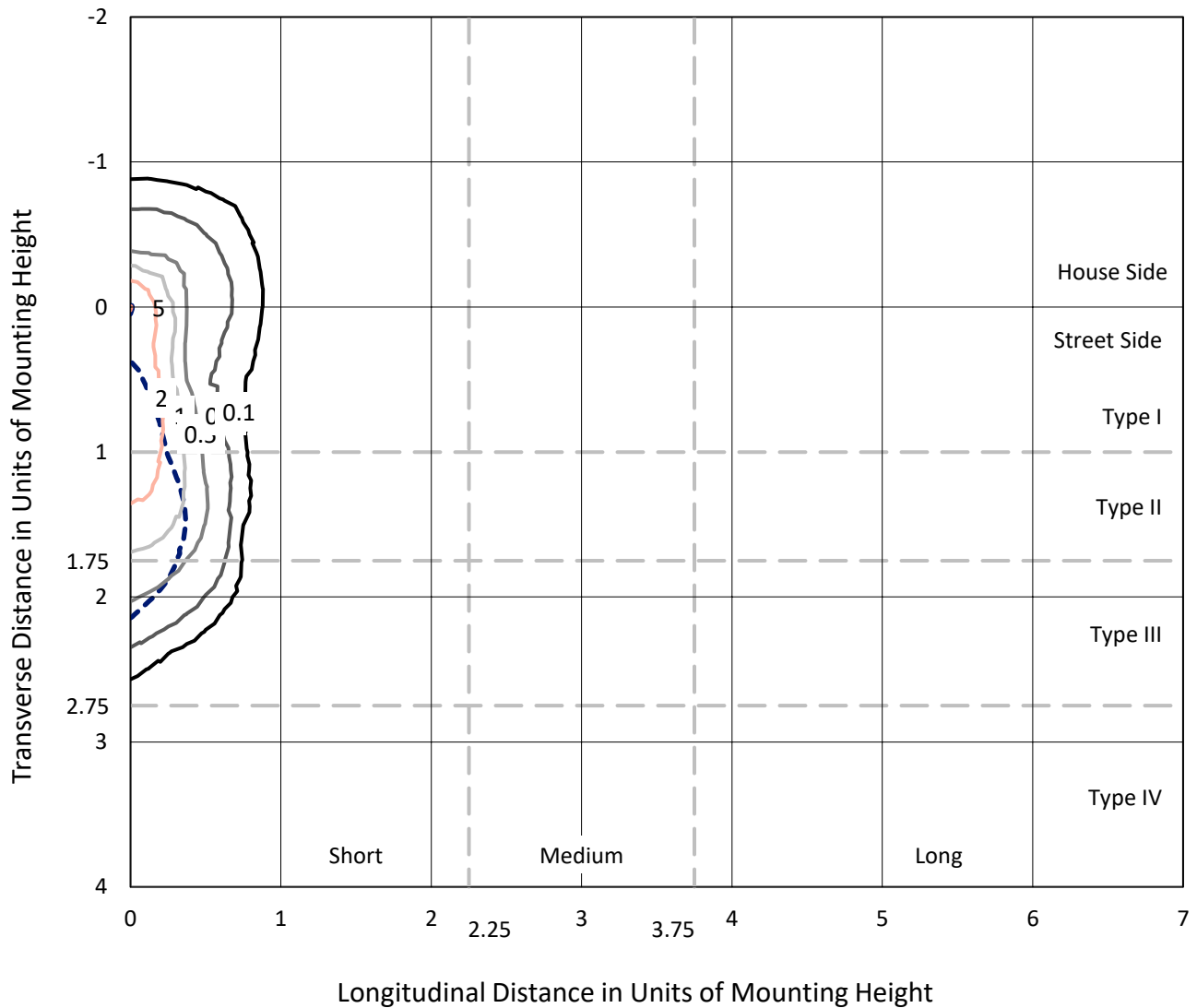
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P527847
 CATALOG NUMBER: GALN-SA2D-827-U-SLR-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

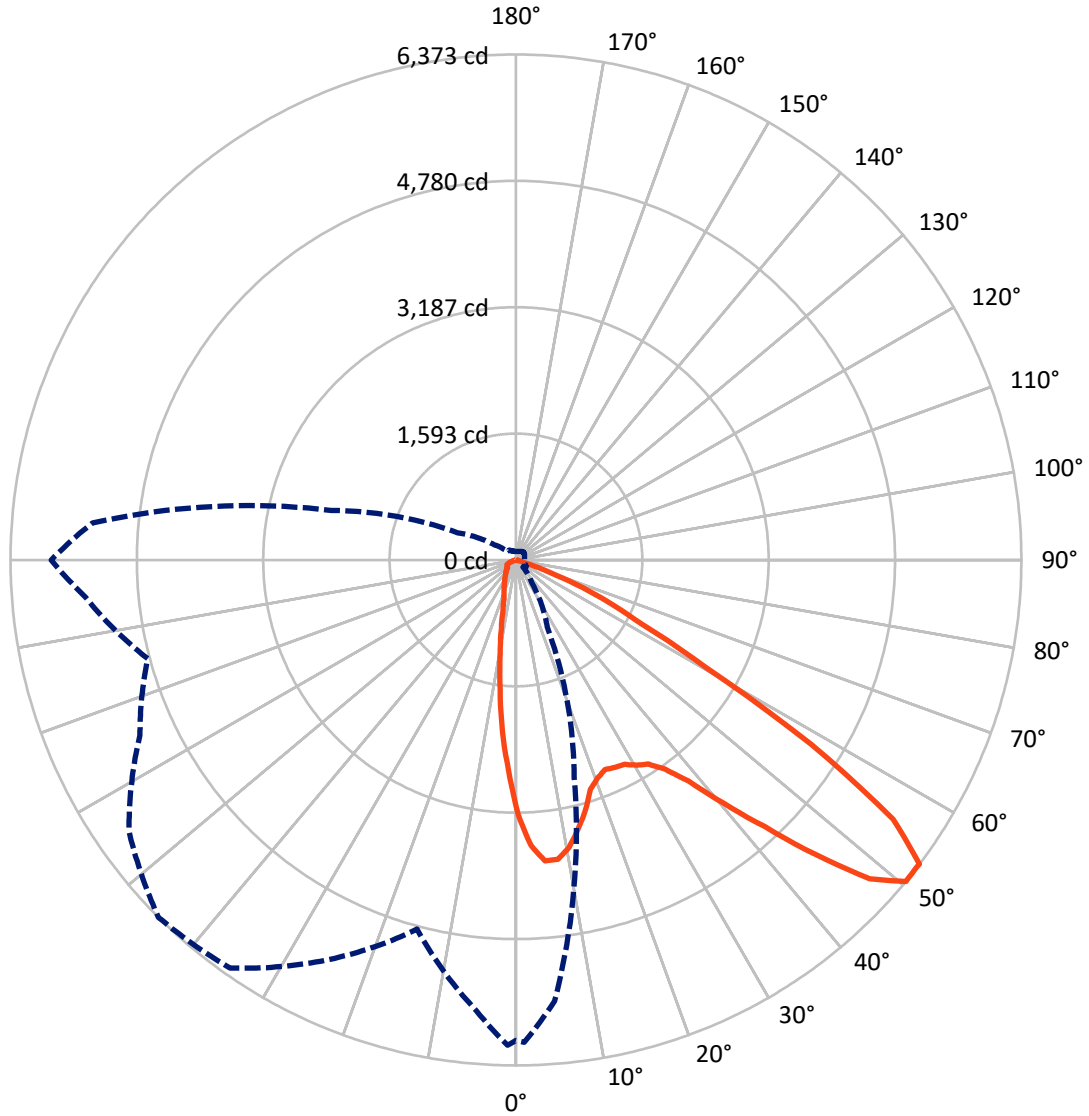
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

REPORT NUMBER: P527847
CATALOG NUMBER: GALN-SA2D-827-U-SLR-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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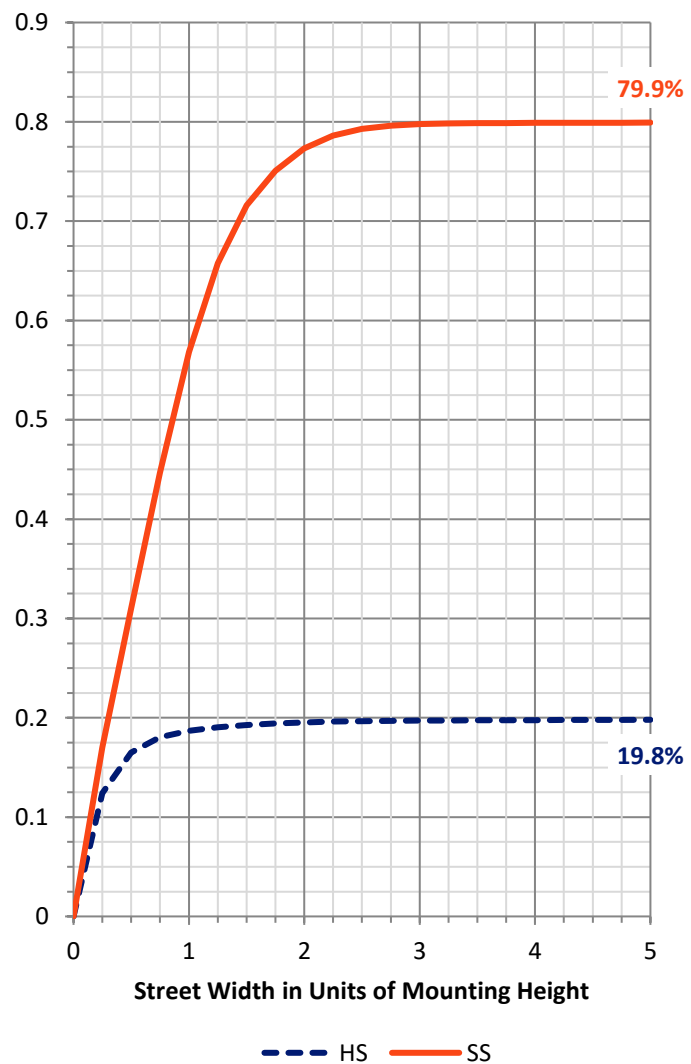
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1266.3 | 0.0 | 1266.3 |
| | % Fixture | 20.0 | 0.0 | 20.0 |
| Street Side | Lumens | 5055.7 | 0.0 | 5055.7 |
| | % Fixture | 80.0 | 0.0 | 80.0 |
| Total | Lumens | 6322.0 | 0.0 | 6322.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 233.7 | 3.7 |
| 10°-20° | 464.4 | 7.3 |
| 20°-30° | 697.7 | 11.0 |
| 30°-40° | 1047.3 | 16.6 |
| 40°-50° | 1471.9 | 23.3 |
| 50°-60° | 1587.7 | 25.1 |
| 60°-70° | 737.2 | 11.7 |
| 70°-80° | 69.4 | 1.1 |
| 80°-90° | 12.8 | 0.2 |
| 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° | 6322.0 | 100.0 |
| 0°-180° | 6322.0 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P527847

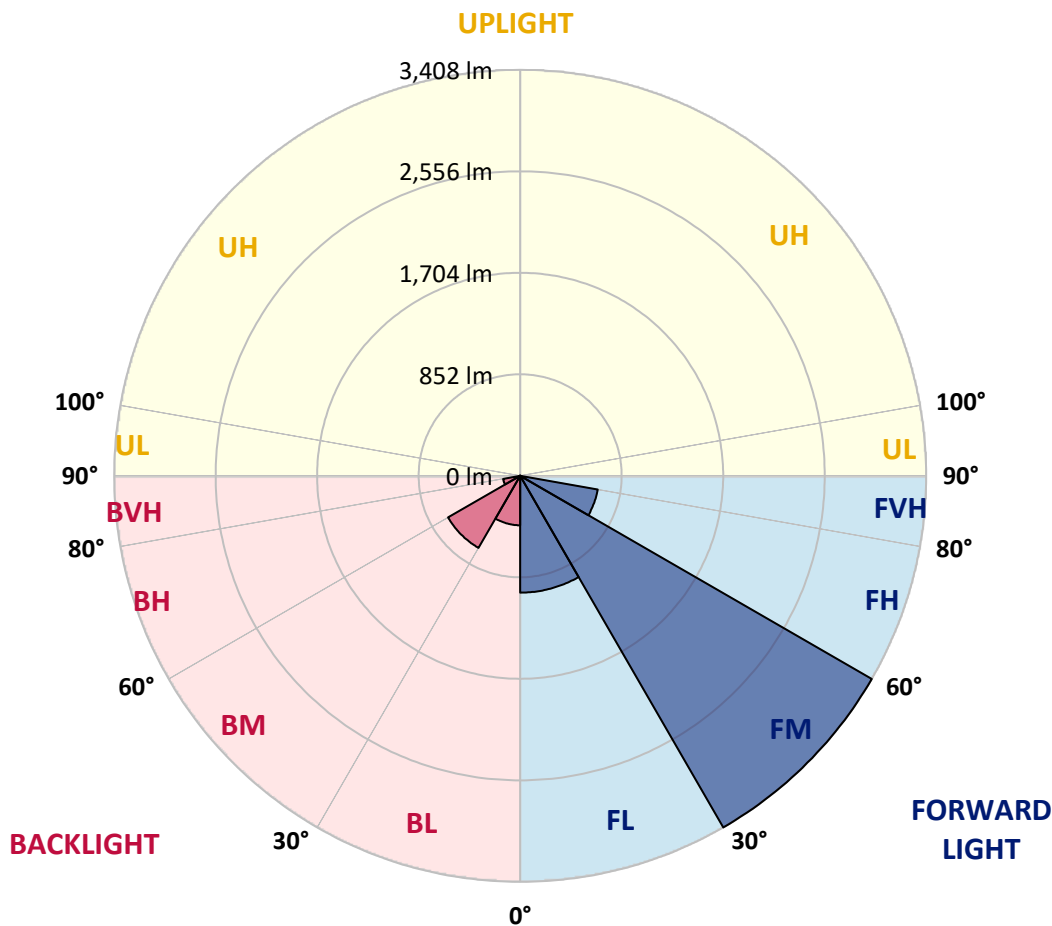
CATALOG NUMBER: GALN-SA2D-827-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 980.8 | 15.5 | | | |
| FM (30°-60°) | 3408.0 | 53.9 | | | |
| FH (60°-80°) | 661.1 | 10.5 | | | G1/1800 |
| FVH (80°-90°) | 5.8 | 0.1 | | | G0/10 |
| BL (0°-30°) | 415.1 | 6.6 | B1/500 | | |
| BM (30°-60°) | 698.8 | 11.1 | B1/1000 | | |
| BH (60°-80°) | 145.4 | 2.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.0 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P527847

CATALOG NUMBER: GALN-SA2D-827-U-SLR-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 |
| 2.5° | 3332.7 | 3281.3 | 3216.1 | 3162.1 | 3081.9 | 2920.1 | 2876.2 | 2823.5 | 2779.6 | 2720.6 | 2637.8 |
| 5° | 3030.4 | 3014.1 | 2984.0 | 2780.8 | 2634.1 | 2438.4 | 2277.9 | 2210.1 | 2121.1 | 2048.3 | 1995.6 |
| 7.5° | 2799.7 | 2734.4 | 2639.1 | 2434.6 | 2200.1 | 1990.6 | 1812.5 | 1708.4 | 1590.5 | 1550.3 | 1478.8 |
| 10° | 2552.5 | 2567.6 | 2427.1 | 2139.9 | 1856.4 | 1687.1 | 1576.7 | 1476.3 | 1369.7 | 1299.5 | 1197.9 |
| 12.5° | 2473.5 | 2424.6 | 2316.7 | 1961.8 | 1719.7 | 1561.6 | 1427.4 | 1303.2 | 1190.4 | 1077.5 | 979.6 |
| 15° | 2525.0 | 2449.7 | 2299.2 | 1924.1 | 1614.3 | 1417.4 | 1249.3 | 1081.2 | 977.1 | 832.9 | 731.3 |
| 17.5° | 2709.3 | 2649.1 | 2447.2 | 1964.3 | 1560.4 | 1279.4 | 1029.8 | 856.7 | 697.4 | 567.0 | 515.5 |
| 20° | 3016.6 | 2931.4 | 2678.0 | 2015.7 | 1480.1 | 1112.6 | 835.4 | 622.1 | 471.6 | 416.4 | 387.6 |
| 22.5° | 3317.7 | 3271.3 | 2951.4 | 2114.8 | 1408.6 | 964.6 | 627.2 | 418.9 | 352.5 | 342.4 | 323.6 |
| 25° | 3890.9 | 3751.7 | 3369.1 | 2294.2 | 1353.4 | 825.3 | 472.9 | 337.4 | 298.5 | 291.0 | 293.5 |
| 27.5° | 4232.1 | 4115.4 | 3755.4 | 2413.3 | 1292.0 | 718.7 | 400.1 | 309.8 | 283.5 | 267.2 | 260.9 |
| 30° | 4559.5 | 4424.0 | 3947.4 | 2483.6 | 1160.2 | 605.8 | 355.0 | 297.3 | 291.0 | 267.2 | 259.6 |
| 32.5° | 4811.6 | 4678.6 | 4224.6 | 2588.9 | 1106.3 | 533.1 | 292.3 | 232.0 | 215.7 | 213.2 | 235.8 |
| 35° | 5197.9 | 5056.2 | 4461.6 | 2646.6 | 1064.9 | 495.5 | 253.4 | 207.0 | 188.1 | 180.6 | 181.9 |
| 37.5° | 5557.9 | 5461.3 | 4681.1 | 2669.2 | 1021.0 | 484.2 | 227.0 | 185.6 | 169.3 | 164.3 | 163.1 |
| 40° | 5858.9 | 5643.2 | 4889.4 | 2693.0 | 1002.2 | 462.8 | 210.7 | 169.3 | 158.0 | 150.5 | 150.5 |
| 42.5° | 5996.9 | 5777.4 | 5122.7 | 2679.2 | 997.2 | 429.0 | 210.7 | 155.5 | 146.8 | 139.2 | 138.0 |
| 45° | 5966.8 | 5877.8 | 5226.8 | 2673.0 | 997.2 | 395.1 | 191.9 | 151.8 | 139.2 | 129.2 | 126.7 |
| 47.5° | 6044.6 | 5927.9 | 5357.2 | 2699.3 | 977.1 | 371.3 | 161.8 | 159.3 | 131.7 | 119.2 | 116.7 |
| 50° | 6058.4 | 6081.0 | 5584.2 | 2836.0 | 933.2 | 341.2 | 126.7 | 156.8 | 126.7 | 107.9 | 105.4 |
| 52° | 6148.7 | 6008.2 | 5653.2 | 2908.8 | 886.8 | 318.6 | 106.6 | 134.2 | 121.7 | 100.3 | 97.8 |
| 52.5° | 6024.5 | 6116.1 | 5669.5 | 2935.1 | 891.8 | 303.5 | 102.9 | 131.7 | 119.2 | 100.3 | 94.1 |
| 55° | 5885.3 | 5973.1 | 5603.1 | 2991.6 | 817.8 | 238.3 | 80.3 | 95.3 | 107.9 | 87.8 | 84.0 |
| 57.5° | 5115.1 | 5204.2 | 4869.3 | 2739.4 | 666.0 | 168.1 | 66.5 | 71.5 | 95.3 | 81.5 | 77.8 |
| 60° | 4546.9 | 4483.0 | 4086.6 | 2285.4 | 472.9 | 94.1 | 52.7 | 55.2 | 104.1 | 75.3 | 74.0 |
| 62.5° | 4155.6 | 4018.9 | 3415.5 | 1764.8 | 288.5 | 62.7 | 41.4 | 42.6 | 80.3 | 70.2 | 70.2 |
| 65° | 3074.3 | 2921.3 | 2269.1 | 1067.4 | 141.7 | 43.9 | 31.4 | 33.9 | 50.2 | 60.2 | 60.2 |
| 67.5° | 1754.8 | 1695.8 | 1096.3 | 481.7 | 59.0 | 27.6 | 23.8 | 26.3 | 38.9 | 48.9 | 46.4 |
| 70° | 806.5 | 723.7 | 421.5 | 101.6 | 27.6 | 18.8 | 18.8 | 21.3 | 31.4 | 36.4 | 33.9 |
| 72.5° | 235.8 | 223.3 | 102.9 | 16.3 | 11.3 | 11.3 | 12.5 | 16.3 | 23.8 | 27.6 | 25.1 |
| 75° | 17.6 | 11.3 | 7.5 | 5.0 | 5.0 | 7.5 | 10.0 | 16.3 | 23.8 | 26.3 | 21.3 |
| 77.5° | 1.3 | 2.5 | 1.3 | 1.3 | 3.8 | 7.5 | 11.3 | 20.1 | 31.4 | 32.6 | 23.8 |
| 80° | 1.3 | 1.3 | 0.0 | 1.3 | 3.8 | 7.5 | 12.5 | 22.6 | 35.1 | 37.6 | 20.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 1.3 | 5.0 | 10.0 | 15.1 | 23.8 | 32.6 | 40.1 | 21.3 |
| 85° | 0.0 | 0.0 | 0.0 | 1.3 | 7.5 | 13.8 | 17.6 | 6.3 | 3.8 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P527847

CATALOG NUMBER: GALN-SA2D-827-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 |
| 2.5° | 2696.8 | 2664.2 | 2651.6 | 2662.9 | 2659.2 | 2655.4 | 2724.4 | 2709.3 | 2706.8 | 2729.4 | 2724.4 |
| 5° | 2024.5 | 1966.8 | 2124.8 | 2060.9 | 2127.3 | 2167.5 | 2175.0 | 2178.8 | 2225.2 | 2176.3 | 2240.2 |
| 7.5° | 1442.5 | 1457.5 | 1456.3 | 1498.9 | 1575.4 | 1643.2 | 1683.3 | 1651.9 | 1649.4 | 1643.2 | 1615.6 |
| 10° | 1152.7 | 1126.4 | 1121.4 | 1111.3 | 1135.2 | 1192.9 | 1241.8 | 1202.9 | 1175.3 | 1212.9 | 1201.6 |
| 12.5° | 942.0 | 905.6 | 885.6 | 845.4 | 846.7 | 885.6 | 885.6 | 885.6 | 913.1 | 934.5 | 950.8 |
| 15° | 722.5 | 692.4 | 692.4 | 652.2 | 643.5 | 644.7 | 664.8 | 667.3 | 711.2 | 723.7 | 730.0 |
| 17.5° | 505.5 | 489.2 | 508.0 | 524.3 | 514.3 | 516.8 | 524.3 | 526.8 | 533.1 | 528.1 | 540.6 |
| 20° | 388.8 | 386.3 | 391.3 | 420.2 | 441.5 | 454.1 | 445.3 | 432.7 | 425.2 | 407.7 | 407.7 |
| 22.5° | 329.9 | 334.9 | 343.7 | 367.5 | 395.1 | 402.6 | 392.6 | 363.8 | 341.2 | 338.7 | 339.9 |
| 25° | 293.5 | 298.5 | 312.3 | 327.4 | 342.4 | 355.0 | 344.9 | 323.6 | 311.1 | 299.8 | 299.8 |
| 27.5° | 270.9 | 273.4 | 281.0 | 292.3 | 304.8 | 314.8 | 311.1 | 299.8 | 286.0 | 281.0 | 269.7 |
| 30° | 253.4 | 257.1 | 265.9 | 268.4 | 279.7 | 284.7 | 278.5 | 276.0 | 267.2 | 260.9 | 257.1 |
| 32.5° | 244.6 | 243.3 | 249.6 | 252.1 | 253.4 | 257.1 | 249.6 | 253.4 | 252.1 | 242.1 | 238.3 |
| 35° | 184.4 | 194.4 | 210.7 | 224.5 | 228.3 | 233.3 | 232.0 | 227.0 | 213.2 | 201.9 | 188.1 |
| 37.5° | 165.6 | 171.8 | 180.6 | 191.9 | 207.0 | 213.2 | 210.7 | 198.2 | 181.9 | 174.4 | 171.8 |
| 40° | 153.0 | 156.8 | 164.3 | 171.8 | 186.9 | 198.2 | 189.4 | 178.1 | 165.6 | 159.3 | 155.5 |
| 42.5° | 141.7 | 143.0 | 146.8 | 154.3 | 165.6 | 183.1 | 168.1 | 153.0 | 148.0 | 144.2 | 141.7 |
| 45° | 129.2 | 129.2 | 134.2 | 138.0 | 150.5 | 166.8 | 151.8 | 138.0 | 135.5 | 133.0 | 131.7 |
| 47.5° | 119.2 | 120.4 | 122.9 | 127.9 | 138.0 | 149.3 | 139.2 | 127.9 | 121.7 | 120.4 | 117.9 |
| 50° | 106.6 | 107.9 | 112.9 | 117.9 | 130.4 | 136.7 | 130.4 | 117.9 | 111.6 | 107.9 | 107.9 |
| 52° | 96.6 | 100.3 | 105.4 | 115.4 | 124.2 | 134.2 | 126.7 | 112.9 | 105.4 | 101.6 | 99.1 |
| 52.5° | 95.3 | 97.8 | 102.9 | 114.1 | 124.2 | 133.0 | 125.4 | 111.6 | 102.9 | 100.3 | 97.8 |
| 55° | 85.3 | 89.1 | 97.8 | 111.6 | 122.9 | 133.0 | 122.9 | 110.4 | 97.8 | 91.6 | 89.1 |
| 57.5° | 81.5 | 84.0 | 95.3 | 112.9 | 121.7 | 133.0 | 122.9 | 110.4 | 97.8 | 86.5 | 84.0 |
| 60° | 77.8 | 82.8 | 95.3 | 109.1 | 120.4 | 134.2 | 124.2 | 109.1 | 95.3 | 81.5 | 81.5 |
| 62.5° | 74.0 | 77.8 | 94.1 | 106.6 | 115.4 | 129.2 | 119.2 | 106.6 | 91.6 | 77.8 | 76.5 |
| 65° | 64.0 | 70.2 | 82.8 | 89.1 | 99.1 | 111.6 | 101.6 | 92.8 | 80.3 | 69.0 | 67.7 |
| 67.5° | 48.9 | 51.4 | 61.5 | 69.0 | 75.3 | 86.5 | 81.5 | 70.2 | 61.5 | 52.7 | 52.7 |
| 70° | 33.9 | 36.4 | 43.9 | 47.7 | 53.9 | 60.2 | 56.4 | 47.7 | 41.4 | 36.4 | 35.1 |
| 72.5° | 23.8 | 25.1 | 27.6 | 30.1 | 32.6 | 35.1 | 33.9 | 27.6 | 23.8 | 22.6 | 21.3 |
| 75° | 18.8 | 21.3 | 22.6 | 21.3 | 20.1 | 18.8 | 18.8 | 16.3 | 13.8 | 12.5 | 12.5 |
| 77.5° | 18.8 | 20.1 | 18.8 | 16.3 | 13.8 | 12.5 | 11.3 | 10.0 | 7.5 | 6.3 | 7.5 |
| 80° | 16.3 | 16.3 | 16.3 | 13.8 | 12.5 | 11.3 | 10.0 | 8.8 | 7.5 | 6.3 | 6.3 |
| 82.5° | 17.6 | 17.6 | 16.3 | 13.8 | 13.8 | 11.3 | 11.3 | 10.0 | 8.8 | 6.3 | 6.3 |
| 85° | 0.0 | 0.0 | 0.0 | 2.5 | 6.3 | 11.3 | 11.3 | 10.0 | 8.8 | 7.5 | 7.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 2.5 | 5.0 | 6.3 | 7.5 | 7.5 | 7.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P527847

CATALOG NUMBER: GALN-SA2D-827-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 |
| 2.5° | 2769.5 | 2817.2 | 2907.5 | 2997.8 | 3053.0 | 3118.2 | 3236.2 | 3298.9 | 3380.4 | 3420.5 | 3499.6 |
| 5° | 2231.4 | 2344.3 | 2384.5 | 2487.3 | 2597.7 | 2708.1 | 2883.7 | 3076.9 | 3237.4 | 3347.8 | 3490.8 |
| 7.5° | 1628.1 | 1654.5 | 1810.0 | 1879.0 | 2059.6 | 2260.3 | 2499.9 | 2743.2 | 2946.4 | 3127.0 | 3236.2 |
| 10° | 1220.5 | 1317.0 | 1414.9 | 1546.6 | 1692.1 | 1899.0 | 2128.6 | 2397.0 | 2660.4 | 2841.0 | 2979.0 |
| 12.5° | 980.9 | 1057.4 | 1187.8 | 1329.6 | 1509.0 | 1645.7 | 1876.5 | 2142.4 | 2483.6 | 2660.4 | 2842.3 |
| 15° | 742.6 | 840.4 | 988.4 | 1135.2 | 1324.6 | 1468.8 | 1702.1 | 2037.0 | 2476.0 | 2719.4 | 2876.2 |
| 17.5° | 550.6 | 617.1 | 750.1 | 914.4 | 1107.6 | 1310.8 | 1625.6 | 2025.7 | 2560.1 | 2849.8 | 3011.6 |
| 20° | 421.5 | 444.0 | 528.1 | 674.8 | 884.3 | 1150.2 | 1501.4 | 2074.7 | 2808.4 | 3167.2 | 3331.5 |
| 22.5° | 341.2 | 351.2 | 383.8 | 485.4 | 688.6 | 1009.7 | 1442.5 | 2108.5 | 3088.1 | 3547.2 | 3766.7 |
| 25° | 297.3 | 294.8 | 316.1 | 360.0 | 538.1 | 878.0 | 1367.2 | 2236.5 | 3430.6 | 3993.8 | 4190.7 |
| 27.5° | 270.9 | 270.9 | 281.0 | 312.3 | 446.5 | 792.7 | 1319.5 | 2328.0 | 3775.5 | 4386.4 | 4493.0 |
| 30° | 257.1 | 259.6 | 288.5 | 298.5 | 371.3 | 691.1 | 1240.5 | 2420.8 | 4105.4 | 4637.2 | 4784.0 |
| 32.5° | 238.3 | 228.3 | 222.0 | 247.1 | 312.3 | 599.6 | 1161.5 | 2459.7 | 4372.6 | 4944.5 | 5070.0 |
| 35° | 183.1 | 178.1 | 185.6 | 204.5 | 268.4 | 521.8 | 1073.7 | 2503.6 | 4679.9 | 5300.8 | 5325.9 |
| 37.5° | 165.6 | 164.3 | 169.3 | 185.6 | 225.8 | 454.1 | 1011.0 | 2492.3 | 4914.4 | 5595.5 | 5527.8 |
| 40° | 153.0 | 153.0 | 156.8 | 170.6 | 201.9 | 406.4 | 945.8 | 2482.3 | 5141.5 | 5926.7 | 5728.5 |
| 42.5° | 143.0 | 143.0 | 149.3 | 158.0 | 191.9 | 375.0 | 896.8 | 2468.5 | 5332.1 | 6129.9 | 5846.4 |
| 45° | 129.2 | 133.0 | 143.0 | 151.8 | 194.4 | 353.7 | 860.5 | 2415.8 | 5397.4 | 6127.4 | 5790.0 |
| 47.5° | 119.2 | 124.2 | 134.2 | 146.8 | 175.6 | 347.4 | 835.4 | 2369.4 | 5374.8 | 5976.9 | 5613.1 |
| 50° | 107.9 | 114.1 | 127.9 | 149.3 | 149.3 | 334.9 | 809.0 | 2410.8 | 5358.5 | 5860.2 | 5443.8 |
| 52° | 100.3 | 105.4 | 122.9 | 145.5 | 130.4 | 308.6 | 792.7 | 2491.1 | 5424.9 | 5845.1 | 5368.5 |
| 52.5° | 99.1 | 102.9 | 119.2 | 143.0 | 124.2 | 303.5 | 781.4 | 2509.9 | 5446.3 | 5807.5 | 5419.9 |
| 55° | 87.8 | 92.8 | 109.1 | 111.6 | 101.6 | 249.6 | 745.1 | 2552.5 | 5340.9 | 5733.5 | 5371.0 |
| 57.5° | 82.8 | 85.3 | 96.6 | 91.6 | 87.8 | 188.1 | 641.0 | 2486.1 | 4743.9 | 5092.6 | 4997.2 |
| 60° | 76.5 | 79.0 | 90.3 | 71.5 | 74.0 | 131.7 | 481.7 | 2158.7 | 3809.4 | 4243.4 | 4415.2 |
| 62.5° | 74.0 | 72.8 | 85.3 | 57.7 | 62.7 | 95.3 | 339.9 | 1754.8 | 2935.1 | 3493.3 | 3790.6 |
| 65° | 65.2 | 64.0 | 61.5 | 48.9 | 53.9 | 74.0 | 203.2 | 1145.2 | 2068.4 | 2642.9 | 2805.9 |
| 67.5° | 50.2 | 52.7 | 45.2 | 38.9 | 45.2 | 57.7 | 112.9 | 513.0 | 1085.0 | 1585.5 | 1717.2 |
| 70° | 35.1 | 37.6 | 36.4 | 33.9 | 40.1 | 47.7 | 65.2 | 175.6 | 449.0 | 832.9 | 918.2 |
| 72.5° | 21.3 | 26.3 | 27.6 | 28.8 | 35.1 | 41.4 | 46.4 | 56.4 | 119.2 | 294.8 | 366.3 |
| 75° | 12.5 | 17.6 | 21.3 | 25.1 | 28.8 | 35.1 | 38.9 | 40.1 | 41.4 | 55.2 | 89.1 |
| 77.5° | 8.8 | 12.5 | 18.8 | 23.8 | 28.8 | 35.1 | 41.4 | 43.9 | 41.4 | 38.9 | 41.4 |
| 80° | 7.5 | 12.5 | 17.6 | 22.6 | 30.1 | 36.4 | 41.4 | 41.4 | 40.1 | 35.1 | 37.6 |
| 82.5° | 7.5 | 12.5 | 18.8 | 23.8 | 28.8 | 35.1 | 40.1 | 41.4 | 37.6 | 35.1 | 36.4 |
| 85° | 8.8 | 13.8 | 20.1 | 25.1 | 31.4 | 28.8 | 26.3 | 21.3 | 20.1 | 16.3 | 17.6 |
| 87.5° | 8.8 | 12.5 | 12.5 | 13.8 | 15.1 | 15.1 | 15.1 | 13.8 | 11.3 | 10.0 | 10.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 | 3206.1 |
| 2.5° | 3503.3 | 3603.7 | 3599.9 | 3602.4 | 3587.4 | 3485.8 | 3436.8 | 3312.7 | 3347.8 | 3332.7 |
| 5° | 3637.5 | 3736.6 | 3821.9 | 3811.9 | 3696.5 | 3558.5 | 3354.1 | 3160.9 | 3108.2 | 3030.4 |
| 7.5° | 3503.3 | 3741.6 | 3820.7 | 3809.4 | 3638.8 | 3461.9 | 3135.8 | 2942.6 | 2851.1 | 2799.7 |
| 10° | 3290.1 | 3566.0 | 3663.9 | 3683.9 | 3568.6 | 3300.1 | 3000.3 | 2690.5 | 2641.6 | 2552.5 |
| 12.5° | 3168.4 | 3369.1 | 3429.3 | 3483.3 | 3443.1 | 3242.4 | 2897.5 | 2600.2 | 2532.5 | 2473.5 |
| 15° | 3069.3 | 3188.5 | 3213.6 | 3275.0 | 3298.9 | 3191.0 | 2951.4 | 2698.0 | 2531.2 | 2525.0 |
| 17.5° | 3160.9 | 3112.0 | 3020.4 | 3039.2 | 3114.5 | 3192.3 | 3090.7 | 2891.2 | 2729.4 | 2709.3 |
| 20° | 3312.7 | 3096.9 | 2890.0 | 2936.4 | 2999.1 | 3237.4 | 3301.4 | 3160.9 | 3068.1 | 3016.6 |
| 22.5° | 3487.0 | 3123.3 | 2848.6 | 2871.1 | 2990.3 | 3339.0 | 3642.6 | 3564.8 | 3391.7 | 3317.7 |
| 25° | 3809.4 | 3196.0 | 2881.2 | 2896.2 | 3059.3 | 3480.7 | 3951.1 | 4008.8 | 3906.0 | 3890.9 |
| 27.5° | 4124.2 | 3384.2 | 2952.7 | 2918.8 | 3094.4 | 3618.7 | 4138.0 | 4447.8 | 4267.2 | 4232.1 |
| 30° | 4284.8 | 3537.2 | 3059.3 | 3001.6 | 3239.9 | 3702.8 | 4250.9 | 4733.8 | 4575.8 | 4559.5 |
| 32.5° | 4530.6 | 3676.4 | 3142.1 | 3068.1 | 3321.4 | 3806.9 | 4461.6 | 5046.1 | 4893.1 | 4811.6 |
| 35° | 4633.5 | 3828.2 | 3324.0 | 3237.4 | 3554.8 | 3952.4 | 4569.5 | 5324.6 | 5276.9 | 5197.9 |
| 37.5° | 4831.7 | 3991.3 | 3538.4 | 3533.4 | 3837.0 | 4141.8 | 4763.9 | 5703.4 | 5694.6 | 5557.9 |
| 40° | 4848.0 | 4169.4 | 3877.1 | 4035.2 | 4273.5 | 4471.7 | 4934.5 | 5808.8 | 5951.8 | 5858.9 |
| 42.5° | 4873.0 | 4481.7 | 4462.9 | 4593.3 | 4797.8 | 4755.1 | 4940.8 | 5833.9 | 6052.1 | 5996.9 |
| 45° | 4884.3 | 4794.0 | 5058.7 | 5299.5 | 5384.8 | 5126.4 | 4881.8 | 5786.2 | 6104.8 | 5966.8 |
| 47.5° | 4794.0 | 5062.4 | 5540.3 | 6005.7 | 6030.8 | 5354.7 | 4856.7 | 5737.3 | 6136.2 | 6044.6 |
| 50° | 4806.6 | 5230.5 | 5956.8 | 6373.2 | 6281.7 | 5556.7 | 4817.9 | 5707.2 | 6119.8 | 6058.4 |
| 52° | 4776.5 | 5234.3 | 6015.7 | 6365.7 | 6301.7 | 5445.0 | 4751.4 | 5591.8 | 6104.8 | 6148.7 |
| 52.5° | 4810.3 | 5211.7 | 5954.3 | 6370.7 | 6287.9 | 5500.2 | 4742.6 | 5655.7 | 6113.6 | 6024.5 |
| 55° | 4693.7 | 4943.3 | 5594.3 | 5771.1 | 5758.6 | 4992.2 | 4472.9 | 5443.8 | 5884.0 | 5885.3 |
| 57.5° | 4242.1 | 4284.8 | 4387.6 | 4383.9 | 4326.2 | 3924.8 | 3825.7 | 5006.0 | 5245.6 | 5115.1 |
| 60° | 3737.9 | 3137.1 | 2859.9 | 2747.0 | 2683.0 | 2617.8 | 3384.2 | 4579.5 | 4602.1 | 4546.9 |
| 62.5° | 3229.9 | 2175.0 | 1806.2 | 1774.9 | 1789.9 | 2028.2 | 3271.3 | 4410.2 | 4274.7 | 4155.6 |
| 65° | 2606.5 | 1585.5 | 1312.0 | 1270.6 | 1417.4 | 1674.5 | 2647.9 | 3381.7 | 3173.4 | 3074.3 |
| 67.5° | 1636.9 | 1156.5 | 886.8 | 809.0 | 985.9 | 1152.7 | 1739.7 | 2124.8 | 1891.5 | 1754.8 |
| 70° | 970.8 | 646.0 | 401.4 | 360.0 | 405.1 | 614.6 | 974.6 | 1059.9 | 876.8 | 806.5 |
| 72.5° | 382.6 | 237.1 | 111.6 | 95.3 | 99.1 | 215.7 | 358.7 | 350.0 | 264.7 | 235.8 |
| 75° | 102.9 | 71.5 | 38.9 | 31.4 | 26.3 | 40.1 | 57.7 | 37.6 | 13.8 | 17.6 |
| 77.5° | 47.7 | 42.6 | 33.9 | 26.3 | 20.1 | 15.1 | 7.5 | 2.5 | 2.5 | 1.3 |
| 80° | 41.4 | 36.4 | 31.4 | 26.3 | 20.1 | 12.5 | 6.3 | 1.3 | 1.3 | 1.3 |
| 82.5° | 38.9 | 33.9 | 28.8 | 23.8 | 18.8 | 12.5 | 6.3 | 1.3 | 0.0 | 0.0 |
| 85° | 16.3 | 21.3 | 23.8 | 22.6 | 20.1 | 12.5 | 6.3 | 1.3 | 0.0 | 0.0 |
| 87.5° | 8.8 | 7.5 | 6.3 | 5.0 | 3.8 | 2.5 | 2.5 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)