

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: STREETWORKS

Report Number: P650249

Luminaire Tested: **GLAN-SA2B-835-U-SLL-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650249  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-835-U-SLL-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4953.3 lumens  
Efficiency: N/A  
Efficacy: 60.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G0

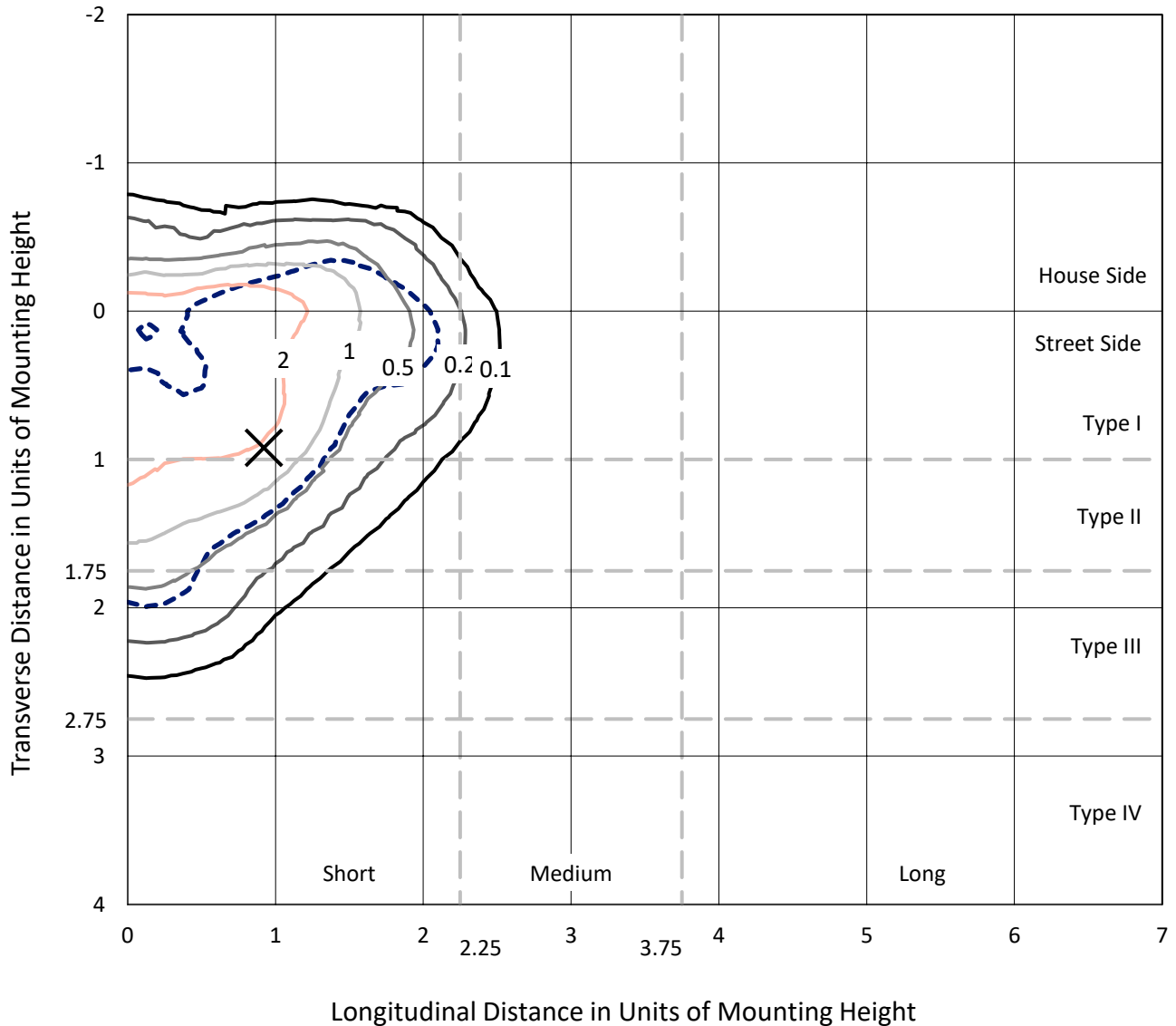
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

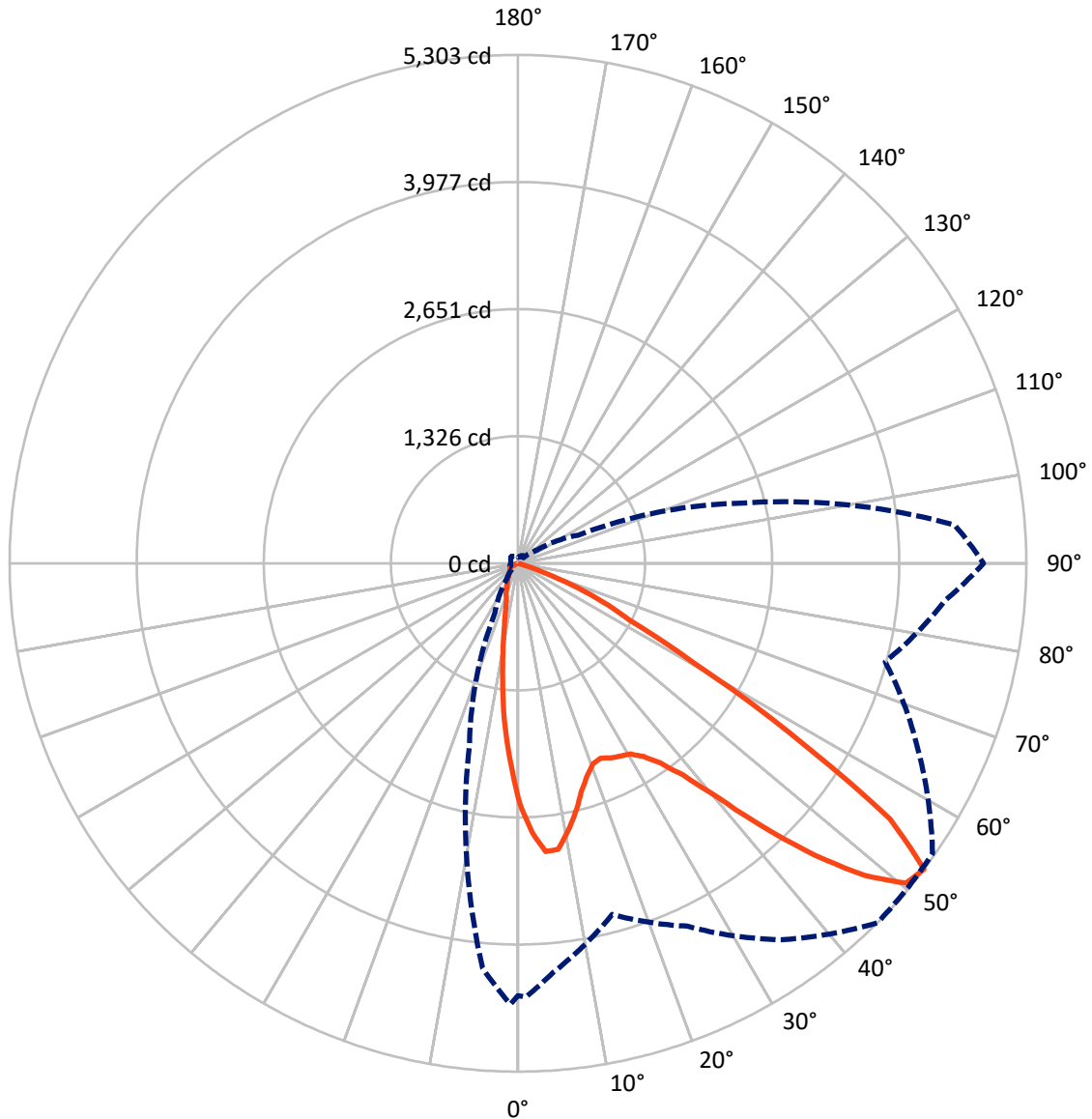
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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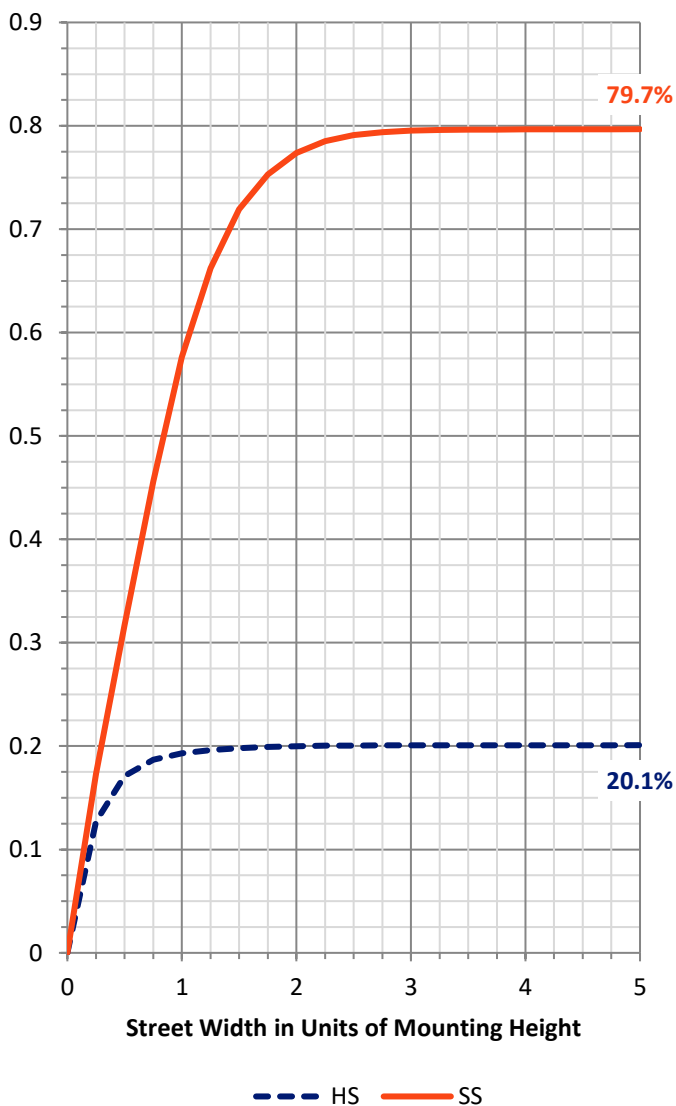
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1005.3   | 0.0    | 1005.3 |
|                    | % Fixture | 20.3     | 0.0    | 20.3   |
| <b>Street Side</b> | Lumens    | 3948.0   | 0.0    | 3948.0 |
|                    | % Fixture | 79.7     | 0.0    | 79.7   |
| <b>Total</b>       | Lumens    | 4953.3   | 0.0    | 4953.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 183.2  | 3.7       |
| 10°-20°   | 361.4  | 7.3       |
| 20°-30°   | 549.9  | 11.1      |
| 30°-40°   | 822.0  | 16.6      |
| 40°-50°   | 1170.5 | 23.6      |
| 50°-60°   | 1258.3 | 25.4      |
| 60°-70°   | 557.6  | 11.3      |
| 70°-80°   | 45.1   | 0.9       |
| 80°-90°   | 5.3    | 0.1       |
| 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°    | 4953.3 | 100.0     |
| 0°-180°   | 4953.3 | 100.0     |

**Coefficient of Utilization**



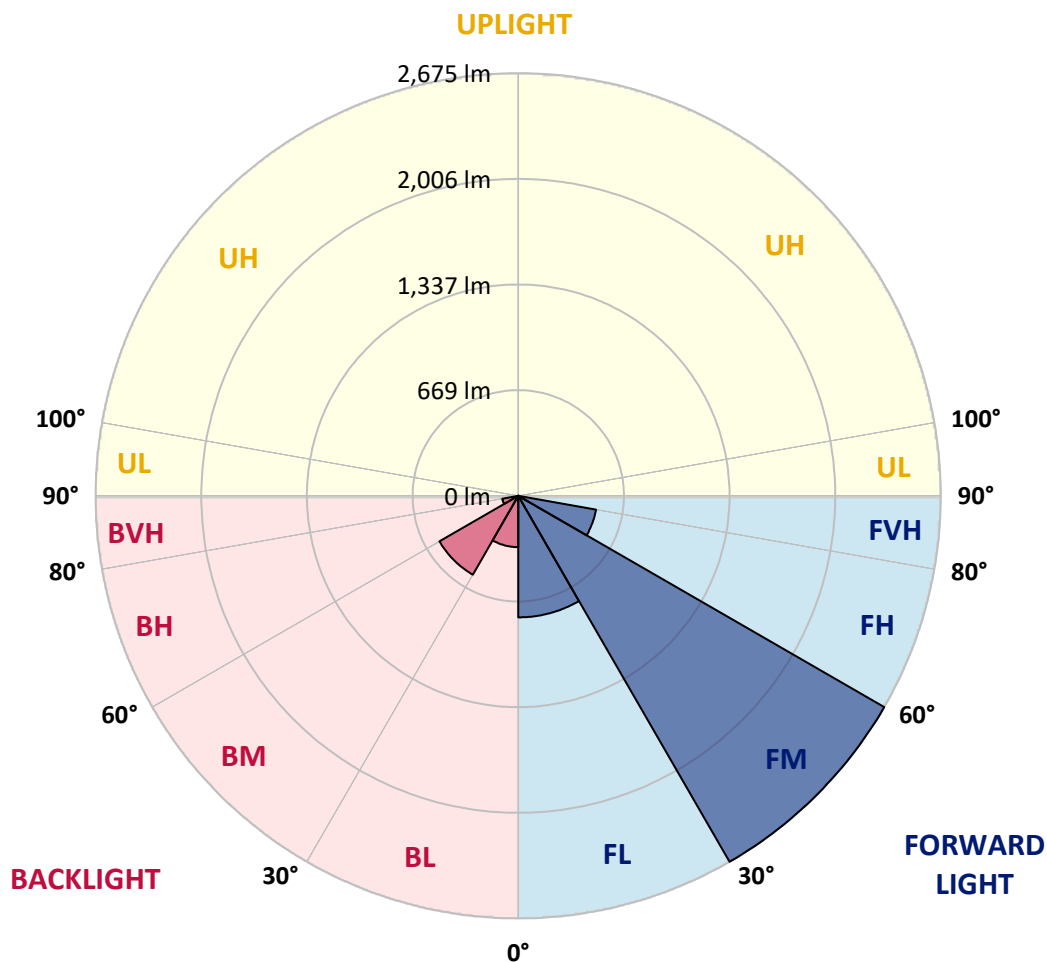
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|----------------|--------|-----------|-------------------------|------|--------|
|                |        |           | B                       | U    | G      |
| FL (0°-30°)    | 769.3  | 15.5      |                         |      |        |
| FM (30°-60°)   | 2674.9 | 54.0      |                         |      |        |
| FH (60°-80°)   | 499.8  | 10.1      |                         |      | G0/660 |
| FVH (80°-90°)  | 3.9    | 0.1       |                         |      | G0/10  |
| BL (0°-30°)    | 325.1  | 6.6       | B1/500                  |      |        |
| BM (30°-60°)   | 575.9  | 11.6      | B1/1000                 |      |        |
| BH (60°-80°)   | 102.9  | 2.1       | B0/110                  |      | G0/110 |
| BVH (80°-90°)  | 1.4    | 0.0       |                         |      | G0/10  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B1-U0-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 |
| 2.5°  | 2657.7 | 2665.5 | 2708.3 | 2761.9 | 2790.1 | 2854.4 | 2809.6 | 2821.3 | 2797.0 | 2711.2 | 2644.0 |
| 5°    | 2576.8 | 2575.8 | 2630.4 | 2762.9 | 2888.6 | 3016.2 | 3020.1 | 2951.9 | 2832.0 | 2700.6 | 2512.5 |
| 7.5°  | 2333.3 | 2371.2 | 2427.8 | 2639.2 | 2872.0 | 2967.5 | 3013.2 | 2933.4 | 2749.3 | 2561.2 | 2357.6 |
| 10°   | 2149.1 | 2168.6 | 2264.0 | 2519.3 | 2689.8 | 2817.5 | 2845.7 | 2799.9 | 2658.7 | 2423.9 | 2195.9 |
| 12.5° | 2042.9 | 2052.7 | 2164.7 | 2379.1 | 2559.2 | 2653.7 | 2667.4 | 2688.8 | 2587.5 | 2367.3 | 2093.6 |
| 15°   | 2043.9 | 2051.7 | 2202.7 | 2382.0 | 2453.1 | 2427.8 | 2472.6 | 2471.6 | 2515.5 | 2356.6 | 2179.3 |
| 17.5° | 2191.0 | 2199.8 | 2336.2 | 2424.8 | 2393.6 | 2334.2 | 2331.3 | 2376.1 | 2468.6 | 2490.1 | 2308.9 |
| 20°   | 2444.3 | 2464.8 | 2565.1 | 2560.3 | 2384.9 | 2265.1 | 2231.9 | 2266.0 | 2481.3 | 2603.1 | 2570.0 |
| 22.5° | 2785.3 | 2813.6 | 2883.7 | 2749.3 | 2424.8 | 2218.3 | 2207.6 | 2273.8 | 2565.1 | 2855.4 | 2866.2 |
| 25°   | 3180.8 | 3228.5 | 3262.7 | 3090.2 | 2567.1 | 2299.1 | 2248.5 | 2362.5 | 2678.1 | 3129.2 | 3243.2 |
| 27.5° | 3442.9 | 3492.6 | 3484.7 | 3238.3 | 2662.5 | 2320.6 | 2277.7 | 2383.9 | 2776.5 | 3194.5 | 3440.0 |
| 30°   | 3647.4 | 3677.7 | 3732.2 | 3318.2 | 2758.0 | 2381.0 | 2307.9 | 2474.5 | 2808.7 | 3307.5 | 3677.7 |
| 32.5° | 3886.2 | 3906.6 | 3910.5 | 3459.5 | 2905.1 | 2457.0 | 2401.5 | 2587.5 | 2950.9 | 3415.6 | 3888.1 |
| 35°   | 4126.8 | 4156.9 | 4093.7 | 3633.8 | 2995.7 | 2598.2 | 2557.4 | 2783.3 | 3064.9 | 3527.6 | 4120.0 |
| 37.5° | 4387.9 | 4403.4 | 4257.3 | 3705.9 | 3125.3 | 2828.1 | 2805.7 | 2994.7 | 3262.7 | 3730.3 | 4377.1 |
| 40°   | 4607.1 | 4621.7 | 4431.7 | 3794.6 | 3261.7 | 3149.6 | 3207.1 | 3398.1 | 3531.6 | 3861.8 | 4505.8 |
| 42.5° | 4728.9 | 4762.9 | 4490.2 | 3745.9 | 3535.4 | 3514.0 | 3769.3 | 3836.5 | 3843.3 | 3898.8 | 4620.7 |
| 45°   | 4762.0 | 4746.4 | 4393.7 | 3785.8 | 3775.1 | 4113.2 | 4345.0 | 4433.7 | 4153.1 | 3967.0 | 4649.9 |
| 47.5° | 4609.1 | 4629.5 | 4251.5 | 3750.7 | 4089.8 | 4567.2 | 4867.2 | 5031.8 | 4383.9 | 3907.6 | 4577.8 |
| 50°   | 4485.3 | 4459.0 | 4205.7 | 3725.4 | 4174.5 | 4781.5 | 5244.2 | 5281.3 | 4596.4 | 3980.6 | 4499.0 |
| 52.5° | 4509.7 | 4526.2 | 4278.8 | 3792.6 | 4176.4 | 4794.2 | 5302.6 | 5277.3 | 4603.2 | 3964.1 | 4470.7 |
| 55°   | 4561.3 | 4488.2 | 4247.6 | 3644.6 | 3896.8 | 4440.5 | 4706.5 | 4667.5 | 4248.6 | 3787.8 | 4401.5 |
| 57.5° | 3935.8 | 4048.8 | 3905.6 | 3253.9 | 3198.3 | 3345.4 | 3340.6 | 3460.4 | 3169.1 | 3259.7 | 4006.9 |
| 60°   | 3194.5 | 3214.0 | 3267.5 | 2783.3 | 2213.4 | 2162.7 | 2092.6 | 2016.6 | 2132.6 | 2787.2 | 3644.6 |
| 62.5° | 2809.6 | 2786.2 | 2977.2 | 2532.0 | 1562.6 | 1308.4 | 1296.6 | 1343.5 | 1645.5 | 2658.7 | 3418.5 |
| 65°   | 2042.0 | 2071.2 | 2209.5 | 1965.0 | 1172.9 | 998.6  | 981.0  | 1119.4 | 1331.7 | 2130.6 | 2609.0 |
| 67.5° | 1247.0 | 1303.5 | 1316.1 | 1211.9 | 795.9  | 632.3  | 606.9  | 732.6  | 961.5  | 1378.5 | 1529.5 |
| 70°   | 575.7  | 643.9  | 708.2  | 661.5  | 460.8  | 260.1  | 245.5  | 307.9  | 485.1  | 793.0  | 811.5  |
| 72.5° | 174.4  | 175.4  | 245.5  | 256.2  | 149.1  | 58.5   | 51.6   | 68.2   | 164.7  | 262.1  | 275.7  |
| 75°   | 12.7   | 13.6   | 33.1   | 38.0   | 28.3   | 14.6   | 15.6   | 18.5   | 35.1   | 58.5   | 43.8   |
| 77.5° | 0.9    | 0.9    | 0.9    | 4.9    | 8.8    | 9.7    | 12.7   | 14.6   | 18.5   | 21.5   | 19.5   |
| 80°   | 0.9    | 0.0    | 0.9    | 3.9    | 6.8    | 9.7    | 11.7   | 13.6   | 14.6   | 16.6   | 14.6   |
| 82.5° | 0.0    | 0.0    | 0.0    | 2.9    | 6.8    | 9.7    | 10.7   | 14.6   | 16.6   | 19.5   | 16.6   |
| 85°   | 0.0    | 0.0    | 0.0    | 2.9    | 6.8    | 10.7   | 9.7    | 4.9    | 0.0    | 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    |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 |
| 2.5°  | 2655.7 | 2617.7 | 2531.0 | 2487.2 | 2383.9 | 2369.3 | 2268.0 | 2251.4 | 2217.3 | 2198.8 | 2154.0 |
| 5°    | 2429.7 | 2383.9 | 2242.7 | 2123.8 | 1985.5 | 1889.0 | 1815.0 | 1747.7 | 1708.7 | 1672.7 | 1689.3 |
| 7.5°  | 2245.6 | 2112.1 | 1955.2 | 1756.5 | 1596.8 | 1493.5 | 1380.4 | 1287.9 | 1233.4 | 1196.3 | 1205.1 |
| 10°   | 2052.7 | 1966.0 | 1747.7 | 1524.7 | 1331.7 | 1258.7 | 1170.0 | 1098.9 | 1022.0 | 955.7  | 924.6  |
| 12.5° | 1992.3 | 1863.7 | 1590.0 | 1363.0 | 1216.8 | 1145.7 | 1044.4 | 962.5  | 864.1  | 783.2  | 755.0  |
| 15°   | 2003.0 | 1879.3 | 1547.1 | 1304.5 | 1132.1 | 1009.3 | 888.5  | 787.1  | 679.0  | 622.6  | 593.3  |
| 17.5° | 2177.4 | 1963.1 | 1575.3 | 1243.1 | 1014.1 | 843.7  | 694.6  | 566.0  | 485.1  | 426.7  | 414.1  |
| 20°   | 2391.7 | 2144.2 | 1635.7 | 1198.3 | 917.7  | 671.3  | 507.5  | 396.5  | 329.3  | 319.5  | 316.6  |
| 22.5° | 2705.4 | 2440.4 | 1765.3 | 1168.1 | 799.8  | 523.1  | 347.8  | 288.4  | 269.8  | 267.9  | 268.9  |
| 25°   | 3143.8 | 2811.6 | 1906.5 | 1142.8 | 711.2  | 403.3  | 284.5  | 244.5  | 238.7  | 235.8  | 240.6  |
| 27.5° | 3333.8 | 3035.7 | 1981.5 | 1088.2 | 630.3  | 363.4  | 280.5  | 242.6  | 226.1  | 221.1  | 224.1  |
| 30°   | 3568.5 | 3184.7 | 2099.5 | 994.6  | 511.5  | 299.1  | 262.1  | 264.0  | 256.2  | 231.8  | 224.1  |
| 32.5° | 3880.3 | 3370.8 | 2158.9 | 928.4  | 456.9  | 247.4  | 191.9  | 176.3  | 196.8  | 200.7  | 207.5  |
| 35°   | 4080.1 | 3559.8 | 2189.0 | 889.5  | 428.7  | 211.4  | 162.7  | 148.1  | 143.2  | 144.2  | 148.1  |
| 37.5° | 4451.2 | 3815.0 | 2227.1 | 848.5  | 407.2  | 184.2  | 147.1  | 133.5  | 126.6  | 126.6  | 130.5  |
| 40°   | 4673.3 | 4017.7 | 2278.7 | 826.1  | 385.8  | 167.6  | 133.5  | 121.8  | 116.0  | 116.0  | 117.8  |
| 42.5° | 4728.9 | 4118.0 | 2261.1 | 818.3  | 361.4  | 163.6  | 121.8  | 113.0  | 106.2  | 105.2  | 104.2  |
| 45°   | 4828.2 | 4271.0 | 2264.0 | 809.5  | 336.1  | 149.1  | 114.9  | 105.2  | 95.4   | 94.5   | 93.5   |
| 47.5° | 4937.4 | 4381.0 | 2269.9 | 775.5  | 311.7  | 124.7  | 119.8  | 97.4   | 85.7   | 83.8   | 83.8   |
| 50°   | 4843.8 | 4468.7 | 2320.6 | 741.3  | 280.5  | 101.3  | 117.8  | 91.6   | 76.0   | 73.1   | 74.1   |
| 52.5° | 4855.5 | 4572.0 | 2427.8 | 693.7  | 241.6  | 80.9   | 95.4   | 86.7   | 69.1   | 64.3   | 65.3   |
| 55°   | 4668.5 | 4462.9 | 2442.3 | 643.0  | 189.0  | 62.3   | 73.1   | 76.0   | 58.5   | 56.5   | 56.5   |
| 57.5° | 4018.7 | 3779.0 | 2155.0 | 521.2  | 124.7  | 51.6   | 52.6   | 66.2   | 50.7   | 48.7   | 49.7   |
| 60°   | 3439.0 | 3033.7 | 1734.1 | 343.9  | 77.9   | 41.0   | 38.0   | 67.3   | 44.8   | 43.8   | 46.7   |
| 62.5° | 3135.1 | 2493.0 | 1315.2 | 213.4  | 53.6   | 31.2   | 26.3   | 54.6   | 39.0   | 39.0   | 42.8   |
| 65°   | 2265.1 | 1674.7 | 764.8  | 112.0  | 38.0   | 24.4   | 19.5   | 31.2   | 32.2   | 33.1   | 35.1   |
| 67.5° | 1402.9 | 845.6  | 322.4  | 54.6   | 25.3   | 16.6   | 12.7   | 19.5   | 21.5   | 21.5   | 23.4   |
| 70°   | 692.6  | 337.1  | 107.2  | 31.2   | 19.5   | 13.6   | 8.8    | 10.7   | 10.7   | 9.7    | 10.7   |
| 72.5° | 214.3  | 101.3  | 27.2   | 19.5   | 13.6   | 8.8    | 4.9    | 3.9    | 2.0    | 0.0    | 0.9    |
| 75°   | 24.4   | 19.5   | 17.5   | 13.6   | 8.8    | 3.9    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 14.6   | 16.6   | 16.6   | 13.6   | 8.8    | 2.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 11.7   | 12.7   | 13.6   | 12.7   | 7.8    | 3.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 14.6   | 16.6   | 18.5   | 16.6   | 10.7   | 4.9    | 2.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.9    | 0.9    | 0.0    | 0.0    | 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    |





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**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 |
| 2.5°  | 2135.5 | 2114.0 | 2144.2 | 2099.5 | 2098.4 | 2099.5 | 2086.8 | 2075.1 | 2093.6 | 2143.3 | 2148.2 |
| 5°    | 1629.9 | 1675.6 | 1690.3 | 1738.0 | 1711.7 | 1672.7 | 1680.6 | 1654.2 | 1718.5 | 1746.8 | 1724.4 |
| 7.5°  | 1186.6 | 1183.7 | 1282.1 | 1287.9 | 1300.6 | 1301.6 | 1299.6 | 1247.9 | 1195.3 | 1207.1 | 1242.2 |
| 10°   | 920.7  | 870.9  | 918.7  | 913.8  | 945.0  | 936.2  | 948.9  | 893.3  | 911.9  | 911.9  | 934.3  |
| 12.5° | 750.1  | 697.6  | 688.8  | 676.1  | 688.8  | 693.7  | 698.5  | 687.8  | 719.0  | 733.6  | 749.2  |
| 15°   | 572.8  | 543.6  | 535.8  | 511.5  | 515.4  | 529.0  | 540.7  | 545.6  | 535.8  | 558.2  | 560.2  |
| 17.5° | 416.0  | 415.0  | 419.9  | 418.9  | 415.0  | 412.1  | 411.2  | 398.5  | 394.6  | 396.5  | 404.3  |
| 20°   | 315.6  | 323.5  | 340.0  | 356.6  | 365.3  | 354.6  | 340.0  | 318.6  | 309.8  | 311.7  | 312.7  |
| 22.5° | 269.8  | 281.6  | 304.0  | 322.4  | 331.2  | 311.7  | 285.5  | 266.9  | 263.0  | 262.1  | 261.1  |
| 25°   | 244.5  | 258.2  | 274.8  | 280.5  | 279.6  | 267.9  | 248.4  | 240.6  | 238.7  | 236.7  | 227.9  |
| 27.5° | 230.9  | 235.8  | 238.7  | 245.5  | 248.4  | 240.6  | 235.8  | 224.1  | 222.1  | 222.1  | 216.3  |
| 30°   | 223.1  | 220.2  | 224.1  | 219.2  | 223.1  | 217.3  | 218.2  | 218.2  | 213.4  | 215.3  | 215.3  |
| 32.5° | 207.5  | 208.5  | 208.5  | 198.7  | 201.7  | 194.8  | 201.7  | 207.5  | 208.5  | 209.5  | 217.3  |
| 35°   | 152.0  | 169.5  | 178.3  | 178.3  | 181.2  | 176.3  | 175.4  | 168.5  | 159.8  | 151.0  | 147.1  |
| 37.5° | 133.5  | 140.3  | 152.0  | 158.8  | 163.6  | 159.8  | 151.0  | 140.3  | 135.4  | 131.5  | 127.6  |
| 40°   | 118.9  | 124.7  | 132.5  | 140.3  | 150.0  | 145.2  | 131.5  | 126.6  | 120.8  | 120.8  | 116.9  |
| 42.5° | 107.2  | 110.1  | 114.9  | 126.6  | 137.3  | 127.6  | 117.8  | 114.0  | 111.0  | 110.1  | 109.2  |
| 45°   | 96.5   | 97.4   | 102.3  | 112.0  | 124.7  | 114.9  | 105.2  | 100.4  | 101.3  | 102.3  | 101.3  |
| 47.5° | 86.7   | 88.6   | 91.6   | 103.3  | 111.0  | 106.2  | 95.4   | 92.6   | 92.6   | 92.6   | 93.5   |
| 50°   | 75.0   | 79.9   | 85.7   | 95.4   | 101.3  | 98.4   | 89.7   | 85.7   | 83.8   | 83.8   | 84.7   |
| 52.5° | 67.3   | 71.1   | 78.9   | 90.6   | 98.4   | 93.5   | 84.7   | 78.9   | 75.0   | 74.1   | 76.0   |
| 55°   | 58.5   | 65.3   | 77.9   | 86.7   | 97.4   | 92.6   | 82.8   | 76.0   | 69.1   | 68.2   | 68.2   |
| 57.5° | 52.6   | 63.3   | 75.0   | 85.7   | 94.5   | 90.6   | 82.8   | 74.1   | 65.3   | 64.3   | 64.3   |
| 60°   | 49.7   | 61.4   | 73.1   | 82.8   | 94.5   | 88.6   | 81.8   | 72.1   | 62.3   | 62.3   | 61.4   |
| 62.5° | 46.7   | 57.5   | 69.1   | 78.9   | 90.6   | 85.7   | 78.9   | 69.1   | 59.4   | 59.4   | 57.5   |
| 65°   | 39.0   | 49.7   | 57.5   | 66.2   | 78.9   | 74.1   | 67.3   | 60.4   | 52.6   | 50.7   | 51.6   |
| 67.5° | 27.2   | 34.1   | 41.9   | 50.7   | 58.5   | 56.5   | 53.6   | 48.7   | 41.9   | 41.0   | 39.9   |
| 70°   | 13.6   | 18.5   | 25.3   | 34.1   | 41.0   | 39.0   | 37.0   | 33.1   | 29.2   | 28.3   | 28.3   |
| 72.5° | 2.0    | 5.9    | 10.7   | 15.6   | 21.5   | 22.4   | 21.5   | 20.4   | 19.5   | 18.5   | 19.5   |
| 75°   | 0.0    | 0.0    | 0.0    | 3.9    | 8.8    | 10.7   | 12.7   | 14.6   | 14.6   | 12.7   | 15.6   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 4.9    | 9.7    | 12.7   | 15.6   | 13.6   | 18.5   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 5.9    | 9.7    | 13.6   | 15.6   | 13.6   | 19.5   |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.9    | 6.8    | 9.7    | 12.7   | 14.6   | 13.6   | 17.5   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 2.9    | 5.9    | 3.9    | 2.0    | 0.9    | 0.9    | 2.9    |
| 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    |



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CATALOG NUMBER: GLAN-SA2B-835-U-SLL-GRSBK

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|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 | 2511.6 |
| 2.5°  | 2175.4 | 2244.6 | 2318.6 | 2346.9 | 2434.6 | 2500.8 | 2545.6 | 2642.1 | 2656.7 | 2657.7 |
| 5°    | 1747.7 | 1782.8 | 1909.5 | 1968.9 | 2099.5 | 2200.8 | 2308.9 | 2464.8 | 2569.0 | 2576.8 |
| 7.5°  | 1242.2 | 1339.6 | 1393.1 | 1548.1 | 1708.7 | 1867.6 | 2028.3 | 2209.5 | 2330.4 | 2333.3 |
| 10°   | 999.6  | 1062.8 | 1158.4 | 1274.3 | 1409.7 | 1571.4 | 1785.7 | 1996.2 | 2119.0 | 2149.1 |
| 12.5° | 804.7  | 915.8  | 1024.9 | 1144.7 | 1247.9 | 1369.8 | 1600.6 | 1881.2 | 1982.6 | 2042.9 |
| 15°   | 619.6  | 720.9  | 849.6  | 989.8  | 1106.7 | 1269.4 | 1532.4 | 1853.0 | 2023.4 | 2043.9 |
| 17.5° | 456.9  | 547.5  | 666.3  | 798.9  | 974.2  | 1205.1 | 1544.2 | 1996.2 | 2156.9 | 2191.0 |
| 20°   | 328.3  | 380.9  | 474.4  | 628.4  | 851.4  | 1130.1 | 1555.8 | 2141.3 | 2385.9 | 2444.3 |
| 22.5° | 260.1  | 281.6  | 343.0  | 479.4  | 714.1  | 1051.2 | 1638.7 | 2419.0 | 2700.6 | 2785.3 |
| 25°   | 226.1  | 237.7  | 266.9  | 378.0  | 627.4  | 1043.4 | 1771.1 | 2752.2 | 3119.5 | 3180.8 |
| 27.5° | 218.2  | 220.2  | 245.5  | 346.8  | 580.6  | 991.7  | 1821.8 | 2988.9 | 3380.5 | 3442.9 |
| 30°   | 229.9  | 261.1  | 263.0  | 293.2  | 493.9  | 889.5  | 1848.1 | 3217.8 | 3601.6 | 3647.4 |
| 32.5° | 198.7  | 189.0  | 195.8  | 227.0  | 434.5  | 830.1  | 1897.8 | 3417.6 | 3854.0 | 3886.2 |
| 35°   | 138.4  | 145.2  | 160.7  | 196.8  | 379.9  | 767.7  | 1910.4 | 3637.7 | 4093.7 | 4126.8 |
| 37.5° | 127.6  | 131.5  | 144.2  | 167.6  | 334.2  | 732.6  | 1892.9 | 3798.5 | 4342.0 | 4387.9 |
| 40°   | 118.9  | 123.7  | 130.5  | 152.0  | 300.0  | 693.7  | 1868.6 | 3943.7 | 4494.0 | 4607.1 |
| 42.5° | 112.0  | 116.0  | 121.8  | 145.2  | 270.8  | 654.7  | 1834.4 | 4148.3 | 4630.4 | 4728.9 |
| 45°   | 104.2  | 110.1  | 116.9  | 141.3  | 254.2  | 628.4  | 1809.1 | 4135.6 | 4709.4 | 4762.0 |
| 47.5° | 96.5   | 106.2  | 114.0  | 131.5  | 249.4  | 615.7  | 1819.8 | 4087.8 | 4645.1 | 4609.1 |
| 50°   | 88.6   | 101.3  | 114.9  | 109.2  | 237.7  | 590.4  | 1832.5 | 4153.1 | 4492.1 | 4485.3 |
| 52.5° | 81.8   | 96.5   | 107.2  | 89.7   | 211.4  | 566.0  | 1955.2 | 4238.8 | 4600.3 | 4509.7 |
| 55°   | 72.1   | 86.7   | 85.7   | 72.1   | 171.5  | 547.5  | 2051.7 | 4240.8 | 4527.1 | 4561.3 |
| 57.5° | 65.3   | 77.0   | 67.3   | 60.4   | 126.6  | 457.9  | 1894.9 | 3555.9 | 3875.5 | 3935.8 |
| 60°   | 60.4   | 75.0   | 50.7   | 47.8   | 82.8   | 330.3  | 1654.2 | 2754.1 | 3080.5 | 3194.5 |
| 62.5° | 55.5   | 71.1   | 39.9   | 39.0   | 57.5   | 234.8  | 1360.0 | 2305.0 | 2654.8 | 2809.6 |
| 65°   | 48.7   | 50.7   | 32.2   | 30.2   | 41.0   | 126.6  | 828.1  | 1587.0 | 1984.5 | 2042.0 |
| 67.5° | 39.9   | 39.0   | 26.3   | 24.4   | 27.2   | 61.4   | 365.3  | 795.0  | 1150.5 | 1247.0 |
| 70°   | 32.2   | 32.2   | 22.4   | 19.5   | 19.5   | 28.3   | 95.4   | 316.6  | 520.2  | 575.7  |
| 72.5° | 23.4   | 24.4   | 17.5   | 15.6   | 14.6   | 13.6   | 15.6   | 63.3   | 136.4  | 174.4  |
| 75°   | 20.4   | 21.5   | 17.5   | 13.6   | 10.7   | 8.8    | 6.8    | 5.9    | 7.8    | 12.7   |
| 77.5° | 22.4   | 22.4   | 18.5   | 12.7   | 9.7    | 6.8    | 3.9    | 2.0    | 2.0    | 0.9    |
| 80°   | 28.3   | 29.2   | 24.4   | 16.6   | 11.7   | 7.8    | 4.9    | 2.0    | 0.9    | 0.9    |
| 82.5° | 30.2   | 33.1   | 27.2   | 20.4   | 14.6   | 8.8    | 4.9    | 0.9    | 0.0    | 0.0    |
| 85°   | 7.8    | 12.7   | 21.5   | 18.5   | 14.6   | 8.8    | 4.9    | 0.9    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.9    | 2.9    | 2.9    | 3.9    | 3.9    | 2.9    | 0.9    | 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)