

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P636228

Luminaire Tested: GWS-SA3F-735-U-SLR-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636228  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3F-735-U-SLR-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

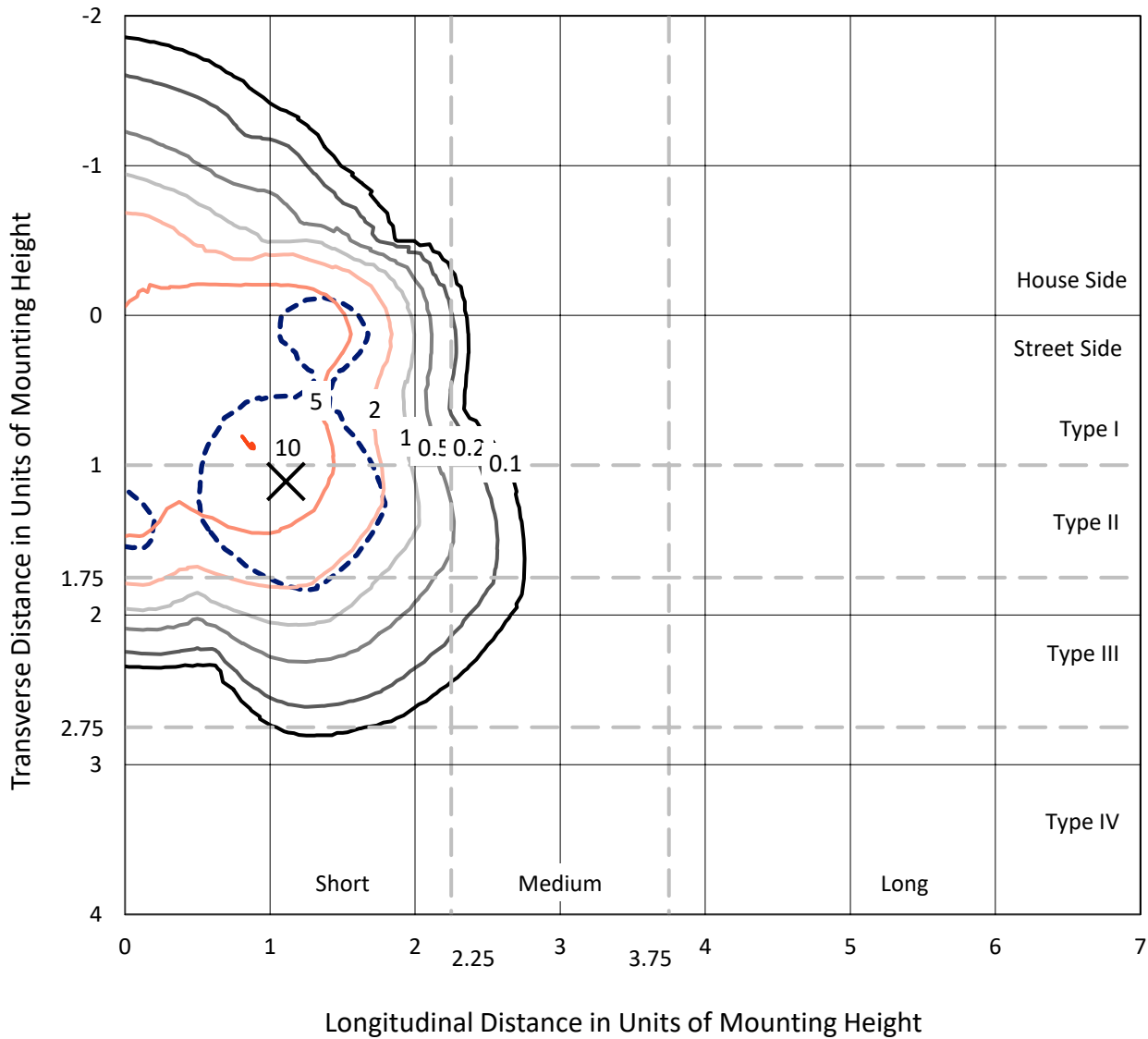
Lumens per Lamp: N/A  
Luminaire Lumens: 12865.5 lumens  
Efficiency: N/A  
Efficacy: 70.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P636228  
 CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

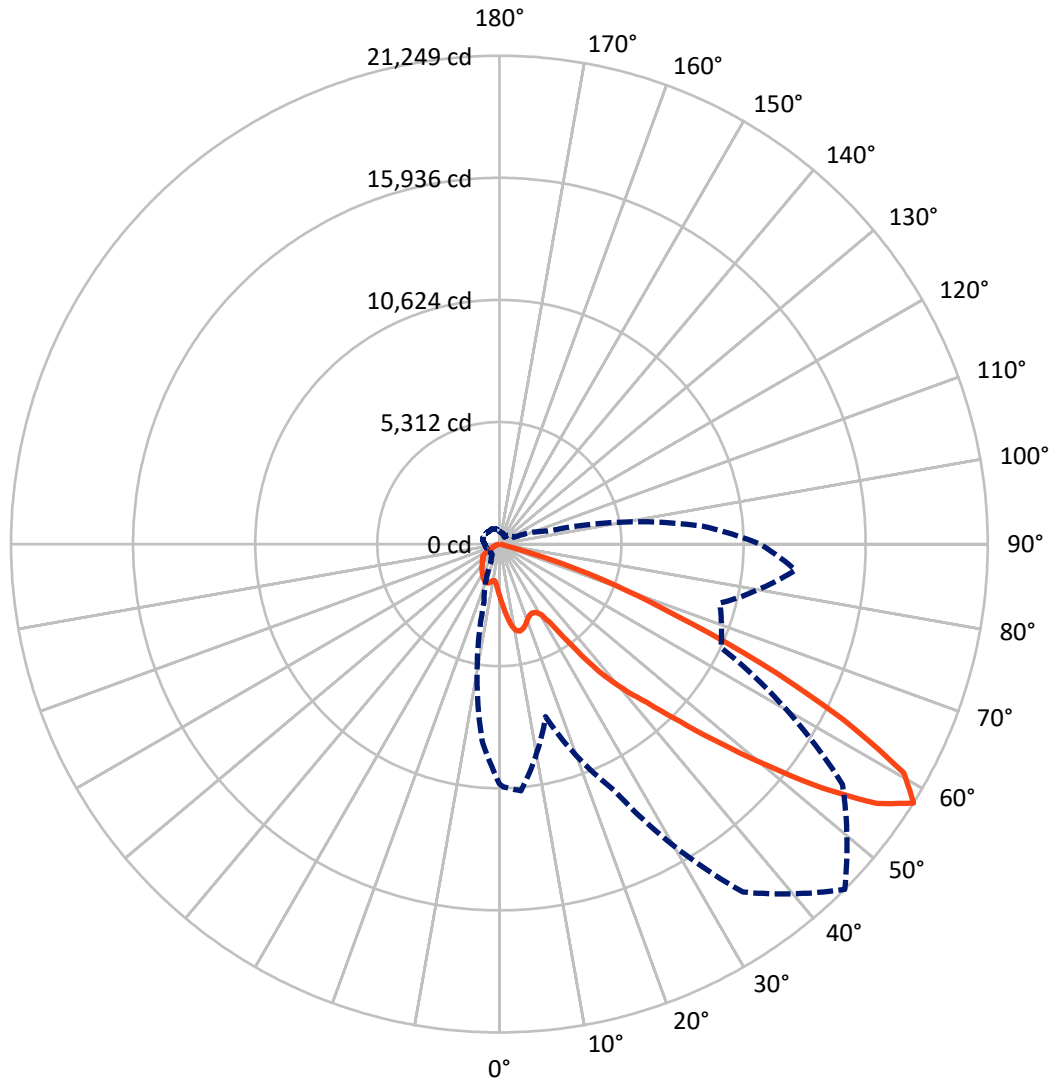
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.1 fc  
 Type III - Short - N/A

REPORT NUMBER: P636228  
CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P636228

CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2880.9   | 0.0    | 2880.9  |
|                    | % Fixture | 22.4     | 0.0    | 22.4    |
| <b>Street Side</b> | Lumens    | 9984.6   | 0.0    | 9984.6  |
|                    | % Fixture | 77.6     | 0.0    | 77.6    |
| <b>Total</b>       | Lumens    | 12865.5  | 0.0    | 12865.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 222.5   | 1.7       |
| 10°-20°   | 719.6   | 5.6       |
| 20°-30°   | 1169.0  | 9.1       |
| 30°-40°   | 1806.3  | 14.0      |
| 40°-50°   | 2896.4  | 22.5      |
| 50°-60°   | 3958.5  | 30.8      |
| 60°-70°   | 1917.2  | 14.9      |
| 70°-80°   | 175.5   | 1.4       |
| 80°-90°   | 0.5     | 0.0       |
| 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°    | 12865.5 | 100.0     |
| 0°-180°   | 12865.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P636228

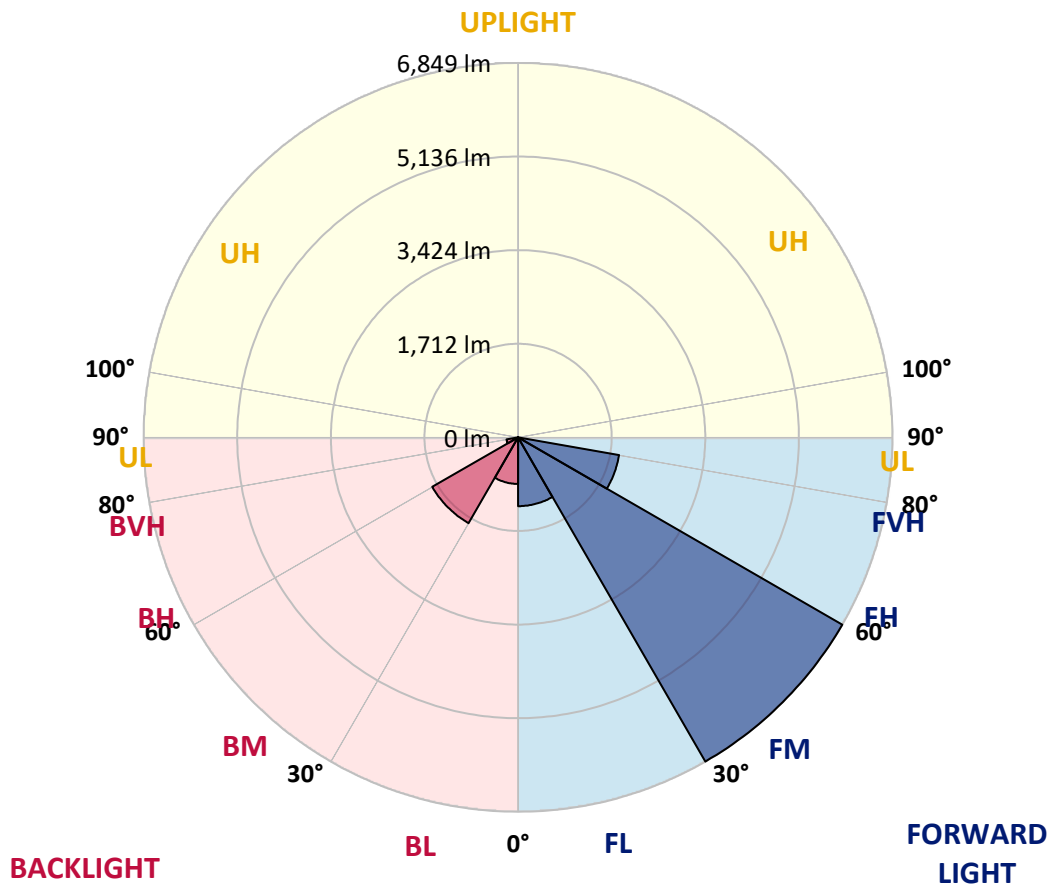
CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1258.6 | 9.8       |                         |      |         |
| FM (30°-60°)   | 6848.6 | 53.2      |                         |      |         |
| FH (60°-80°)   | 1876.8 | 14.6      |                         |      | G2/5000 |
| FVH (80°-90°)  | 0.5    | 0.0       |                         |      | G0/10   |
| BL (0°-30°)    | 852.4  | 6.6       | B2/1000                 |      |         |
| BM (30°-60°)   | 1812.6 | 14.1      | B2/2500                 |      |         |
| BH (60°-80°)   | 215.9  | 1.7       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 0.0    | 0.0       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short





REPORT NUMBER: P636228

CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 5°      | 15°    | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2261.2  | 2261.2  | 2261.2  | 2261.2 | 2261.2  | 2261.2  | 2261.2  | 2261.2  | 2261.2  | 2261.2  | 2261.2  |
| 2.5°  | 2449.7  | 2465.2  | 2491.2  | 2546.5 | 2593.2  | 2624.3  | 2638.1  | 2634.7  | 2615.7  | 2601.8  | 2574.2  |
| 5°    | 2712.5  | 2712.5  | 2762.6  | 2888.8 | 2985.6  | 3046.1  | 3077.2  | 3058.2  | 3020.2  | 2959.7  | 2866.3  |
| 7.5°  | 2942.4  | 2951.0  | 3035.7  | 3215.5 | 3362.5  | 3448.9  | 3499.1  | 3488.7  | 3421.3  | 3305.4  | 3118.7  |
| 10°   | 3122.2  | 3132.6  | 3244.9  | 3464.5 | 3637.4  | 3725.5  | 3799.9  | 3806.8  | 3732.4  | 3578.6  | 3364.2  |
| 12.5° | 3296.8  | 3307.2  | 3424.7  | 3635.6 | 3787.8  | 3824.1  | 3889.8  | 3915.7  | 3896.7  | 3787.8  | 3564.8  |
| 15°   | 3485.2  | 3509.4  | 3609.7  | 3767.0 | 3831.0  | 3787.8  | 3831.0  | 3877.7  | 3941.6  | 3931.3  | 3730.7  |
| 17.5° | 3670.2  | 3687.5  | 3789.5  | 3844.8 | 3773.9  | 3661.6  | 3682.3  | 3737.6  | 3882.8  | 4024.6  | 3895.0  |
| 20°   | 3841.4  | 3865.6  | 3950.3  | 3877.7 | 3663.3  | 3488.7  | 3490.4  | 3563.0  | 3784.3  | 4081.7  | 4062.6  |
| 22.5° | 4021.2  | 4057.5  | 4118.0  | 3914.0 | 3561.3  | 3352.1  | 3360.8  | 3426.5  | 3706.5  | 4135.3  | 4252.8  |
| 25°   | 4256.3  | 4290.8  | 4330.6  | 4003.9 | 3528.4  | 3284.7  | 3317.5  | 3378.0  | 3706.5  | 4226.9  | 4487.9  |
| 27.5° | 4574.4  | 4598.6  | 4600.3  | 4171.6 | 3585.5  | 3295.1  | 3364.2  | 3433.4  | 3817.2  | 4410.1  | 4802.6  |
| 30°   | 4973.7  | 5011.7  | 4961.6  | 4432.6 | 3763.6  | 3433.4  | 3535.4  | 3621.8  | 4055.7  | 4719.6  | 5265.9  |
| 32.5° | 5459.5  | 5513.1  | 5445.7  | 4819.9 | 4135.3  | 3910.5  | 4095.5  | 4145.6  | 4436.1  | 5167.3  | 5791.4  |
| 35°   | 6030.0  | 6074.9  | 6002.3  | 5355.8 | 5003.1  | 5044.6  | 5380.0  | 5316.0  | 5200.2  | 5718.8  | 6405.1  |
| 37.5° | 6655.8  | 6697.3  | 6557.3  | 6168.3 | 6285.9  | 6465.7  | 7001.6  | 6782.0  | 6408.6  | 6429.3  | 7070.7  |
| 40°   | 7229.8  | 7274.7  | 7055.2  | 7051.7 | 7293.7  | 7622.2  | 8268.8  | 7966.2  | 7458.0  | 7359.4  | 7694.8  |
| 42.5° | 7824.5  | 7855.6  | 7656.8  | 7521.9 | 8071.7  | 8747.6  | 9432.2  | 9024.3  | 8152.9  | 8045.8  | 8476.2  |
| 45°   | 8673.3  | 8739.0  | 8384.6  | 7753.6 | 8771.9  | 10042.5 | 10996.8 | 10199.8 | 8626.6  | 8540.2  | 9672.5  |
| 47.5° | 9921.5  | 9969.9  | 9247.3  | 7898.8 | 9423.6  | 11655.5 | 12952.1 | 11724.6 | 9043.3  | 8846.2  | 11308.0 |
| 50°   | 10953.6 | 10986.4 | 10040.8 | 8057.9 | 10116.8 | 13394.6 | 15180.5 | 13532.9 | 9511.8  | 9352.7  | 12834.5 |
| 52.5° | 11714.2 | 11838.7 | 11083.2 | 8384.6 | 11027.9 | 15439.8 | 17647.4 | 15674.9 | 10243.0 | 10331.2 | 14100.0 |
| 55°   | 11871.6 | 12041.0 | 11795.5 | 8585.1 | 11830.1 | 17523.0 | 19926.0 | 17592.1 | 10972.6 | 11072.9 | 14525.2 |
| 57.5° | 10433.2 | 10568.1 | 10772.1 | 7776.1 | 11811.1 | 18477.2 | 21248.5 | 18228.3 | 10640.7 | 9930.1  | 12933.0 |
| 60°   | 7815.8  | 7909.2  | 8279.1  | 5943.6 | 10862.0 | 17633.6 | 20218.1 | 17146.1 | 9304.3  | 7577.3  | 9854.1  |
| 62.5° | 4634.9  | 4676.4  | 5144.9  | 3850.0 | 9015.6  | 15185.6 | 16767.5 | 14794.9 | 7352.5  | 5096.5  | 6035.2  |
| 65°   | 1778.9  | 1761.6  | 2119.5  | 1899.9 | 6629.9  | 12096.3 | 12471.4 | 11278.6 | 5044.6  | 2335.6  | 2301.0  |
| 67.5° | 274.9   | 262.8   | 354.4   | 561.9  | 4781.8  | 8382.9  | 8229.0  | 8128.7  | 3160.2  | 544.6   | 475.4   |
| 70°   | 62.2    | 62.2    | 76.1    | 166.0  | 2921.6  | 4925.3  | 5271.1  | 5025.6  | 2022.7  | 115.8   | 62.2    |
| 72.5° | 29.4    | 29.4    | 36.3    | 70.9   | 1058.0  | 2029.6  | 2365.0  | 2328.7  | 656.9   | 38.0    | 22.5    |
| 75°   | 10.4    | 12.1    | 12.1    | 15.6   | 64.0    | 105.5   | 242.0   | 172.9   | 41.5    | 0.0     | 0.0     |
| 77.5° | 3.5     | 3.5     | 3.5     | 3.5    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 1.7     | 1.7     | 1.7     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 1.7     | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0     | 0.0     | 0.0     | 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     |



REPORT NUMBER: P636228  
 CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2261.2  | 2261.2  | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 |
| 2.5°  | 2513.7  | 2501.6  | 2456.6 | 2396.1 | 2337.3 | 2285.5 | 2231.9 | 2167.9 | 2121.2 | 2067.6 | 2050.3 |
| 5°    | 2793.7  | 2717.6  | 2594.9 | 2467.0 | 2349.4 | 2249.1 | 2152.3 | 2048.6 | 1972.5 | 1896.5 | 1870.5 |
| 7.5°  | 3030.6  | 2918.2  | 2719.4 | 2527.5 | 2366.7 | 2224.9 | 2084.9 | 1943.2 | 1832.5 | 1742.6 | 1715.0 |
| 10°   | 3243.2  | 3113.5  | 2847.3 | 2610.5 | 2408.2 | 2244.0 | 2074.5 | 1896.5 | 1753.0 | 1645.8 | 1619.9 |
| 12.5° | 3426.5  | 3276.0  | 2956.2 | 2672.7 | 2425.5 | 2237.0 | 2072.8 | 1931.1 | 1801.4 | 1678.6 | 1645.8 |
| 15°   | 3580.3  | 3414.3  | 3047.8 | 2714.2 | 2399.6 | 2150.6 | 2007.1 | 1984.6 | 1974.3 | 1839.4 | 1775.5 |
| 17.5° | 3730.7  | 3544.0  | 3122.2 | 2733.2 | 2326.9 | 1998.5 | 1894.7 | 1996.7 | 2105.7 | 2017.5 | 1936.2 |
| 20°   | 3888.0  | 3675.4  | 3198.3 | 2736.7 | 2205.9 | 1827.3 | 1810.0 | 1970.8 | 2109.1 | 2081.5 | 2005.4 |
| 22.5° | 4073.0  | 3839.6  | 3293.3 | 2734.9 | 2053.8 | 1682.1 | 1747.8 | 1920.7 | 2033.1 | 2031.3 | 1970.8 |
| 25°   | 4341.0  | 4047.1  | 3421.3 | 2745.3 | 1887.8 | 1569.7 | 1678.6 | 1836.0 | 1927.6 | 1924.1 | 1874.0 |
| 27.5° | 4628.0  | 4294.3  | 3587.2 | 2771.2 | 1746.1 | 1504.0 | 1597.4 | 1720.1 | 1799.7 | 1796.2 | 1753.0 |
| 30°   | 5030.8  | 4579.5  | 3746.3 | 2773.0 | 1644.1 | 1469.5 | 1507.5 | 1592.2 | 1668.3 | 1659.6 | 1626.8 |
| 32.5° | 5520.0  | 4901.1  | 3879.4 | 2674.4 | 1580.1 | 1436.6 | 1414.1 | 1457.4 | 1516.1 | 1504.0 | 1495.4 |
| 35°   | 6111.3  | 5283.2  | 3993.5 | 2458.3 | 1481.6 | 1370.9 | 1310.4 | 1319.1 | 1360.6 | 1367.5 | 1364.0 |
| 37.5° | 6785.5  | 5737.8  | 4135.3 | 2173.1 | 1348.5 | 1275.8 | 1194.6 | 1187.7 | 1211.9 | 1234.4 | 1251.6 |
| 40°   | 7451.1  | 6249.6  | 4327.1 | 1884.4 | 1227.4 | 1154.8 | 1077.0 | 1059.7 | 1070.1 | 1109.9 | 1146.2 |
| 42.5° | 8199.6  | 6842.5  | 4534.6 | 1637.2 | 1144.5 | 1021.7 | 947.4  | 914.5  | 943.9  | 1007.9 | 1051.1 |
| 45°   | 9278.4  | 7674.1  | 4736.9 | 1440.1 | 1109.9 | 904.2  | 803.9  | 800.4  | 833.3  | 916.3  | 964.7  |
| 47.5° | 10792.8 | 8749.4  | 4870.0 | 1286.2 | 1108.2 | 812.5  | 693.2  | 714.0  | 752.0  | 833.3  | 888.6  |
| 50°   | 12269.2 | 10096.1 | 4723.0 | 1168.7 | 1071.8 | 752.0  | 610.3  | 651.8  | 689.8  | 760.7  | 817.7  |
| 52.5° | 13159.5 | 10820.5 | 4150.8 | 1058.0 | 959.5  | 724.4  | 529.0  | 601.6  | 608.5  | 672.5  | 733.0  |
| 55°   | 13066.2 | 10352.0 | 3179.2 | 886.9  | 793.5  | 684.6  | 444.3  | 542.8  | 546.3  | 594.7  | 646.6  |
| 57.5° | 11340.8 | 8887.7  | 2183.5 | 719.2  | 596.4  | 565.3  | 366.5  | 458.1  | 491.0  | 520.4  | 558.4  |
| 60°   | 8452.0  | 6484.7  | 973.3  | 584.3  | 378.6  | 382.1  | 312.9  | 345.8  | 395.9  | 430.5  | 463.3  |
| 62.5° | 4980.6  | 3730.7  | 395.9  | 350.9  | 209.2  | 240.3  | 252.4  | 252.4  | 283.5  | 309.5  | 330.2  |
| 65°   | 1882.6  | 1305.2  | 160.8  | 176.3  | 108.9  | 112.4  | 148.7  | 183.3  | 207.5  | 229.9  | 257.6  |
| 67.5° | 330.2   | 228.2   | 83.0   | 65.7   | 64.0   | 57.0   | 76.1   | 119.3  | 133.1  | 150.4  | 162.5  |
| 70°   | 55.3    | 46.7    | 34.6   | 32.8   | 29.4   | 31.1   | 50.1   | 84.7   | 93.4   | 98.5   | 103.7  |
| 72.5° | 15.6    | 13.8    | 10.4   | 8.6    | 6.9    | 8.6    | 31.1   | 65.7   | 69.2   | 72.6   | 77.8   |
| 75°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 12.1   | 46.7   | 50.1   | 51.9   | 57.0   |
| 77.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 10.4   | 13.8   | 17.3   | 13.8   |
| 80°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |





REPORT NUMBER: P636228

CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 185°   | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 |
| 2.5°  | 2040.0 | 2005.4 | 1986.4 | 1976.0 | 1976.0 | 1962.2 | 1946.6 | 1941.4 | 1963.9 | 1963.9 | 2001.9 |
| 5°    | 1837.7 | 1810.0 | 1778.9 | 1759.9 | 1730.5 | 1735.7 | 1718.4 | 1716.7 | 1739.2 | 1749.5 | 1789.3 |
| 7.5°  | 1697.7 | 1663.1 | 1644.1 | 1632.0 | 1616.4 | 1609.5 | 1593.9 | 1588.8 | 1600.9 | 1618.1 | 1656.2 |
| 10°   | 1604.3 | 1599.1 | 1597.4 | 1606.0 | 1606.0 | 1597.4 | 1583.6 | 1574.9 | 1578.4 | 1611.2 | 1654.4 |
| 12.5° | 1628.5 | 1638.9 | 1642.3 | 1656.2 | 1663.1 | 1656.2 | 1645.8 | 1649.3 | 1671.7 | 1732.2 | 1796.2 |
| 15°   | 1734.0 | 1725.3 | 1721.9 | 1728.8 | 1734.0 | 1727.1 | 1723.6 | 1749.5 | 1827.3 | 1913.8 | 1986.4 |
| 17.5° | 1846.3 | 1791.0 | 1766.8 | 1766.8 | 1770.3 | 1766.8 | 1770.3 | 1820.4 | 1946.6 | 2033.1 | 2086.6 |
| 20°   | 1903.4 | 1801.4 | 1763.4 | 1754.7 | 1761.6 | 1763.4 | 1775.5 | 1832.5 | 1970.8 | 2031.3 | 2043.4 |
| 22.5° | 1886.1 | 1758.2 | 1715.0 | 1708.0 | 1715.0 | 1721.9 | 1734.0 | 1782.4 | 1912.0 | 1943.2 | 1938.0 |
| 25°   | 1799.7 | 1673.5 | 1638.9 | 1638.9 | 1654.4 | 1652.7 | 1657.9 | 1692.5 | 1799.7 | 1818.7 | 1810.0 |
| 27.5° | 1690.8 | 1571.5 | 1542.1 | 1559.4 | 1573.2 | 1569.7 | 1571.5 | 1600.9 | 1680.4 | 1685.6 | 1676.9 |
| 30°   | 1580.1 | 1476.4 | 1448.7 | 1469.5 | 1488.5 | 1485.0 | 1486.8 | 1516.1 | 1566.3 | 1561.1 | 1549.0 |
| 32.5° | 1467.7 | 1391.7 | 1370.9 | 1383.0 | 1412.4 | 1409.0 | 1415.9 | 1447.0 | 1466.0 | 1443.5 | 1429.7 |
| 35°   | 1364.0 | 1324.2 | 1308.7 | 1315.6 | 1338.1 | 1343.3 | 1355.4 | 1376.1 | 1376.1 | 1348.5 | 1324.2 |
| 37.5° | 1267.2 | 1262.0 | 1251.6 | 1243.0 | 1263.7 | 1279.3 | 1296.6 | 1320.8 | 1286.2 | 1246.5 | 1224.0 |
| 40°   | 1177.3 | 1199.8 | 1185.9 | 1163.5 | 1175.6 | 1198.0 | 1232.6 | 1251.6 | 1210.1 | 1170.4 | 1132.4 |
| 42.5° | 1094.3 | 1132.4 | 1127.2 | 1099.5 | 1109.9 | 1130.6 | 1170.4 | 1185.9 | 1137.5 | 1092.6 | 1056.3 |
| 45°   | 1014.8 | 1068.4 | 1071.8 | 1037.3 | 1047.6 | 1068.4 | 1115.1 | 1120.3 | 1058.0 | 1009.6 | 983.7  |
| 47.5° | 945.6  | 1004.4 | 1006.2 | 980.2  | 983.7  | 1013.1 | 1056.3 | 1058.0 | 987.1  | 942.2  | 909.3  |
| 50°   | 880.0  | 947.4  | 952.6  | 930.1  | 933.5  | 968.1  | 1004.4 | 997.5  | 921.4  | 874.8  | 845.4  |
| 52.5° | 800.4  | 892.1  | 904.2  | 893.8  | 907.6  | 935.3  | 957.7  | 933.5  | 845.4  | 798.7  | 772.8  |
| 55°   | 714.0  | 833.3  | 859.2  | 852.3  | 867.8  | 890.3  | 895.5  | 880.0  | 769.3  | 722.6  | 698.4  |
| 57.5° | 613.7  | 686.3  | 731.3  | 717.4  | 729.5  | 752.0  | 767.6  | 755.5  | 672.5  | 636.2  | 615.4  |
| 60°   | 508.3  | 556.7  | 567.0  | 544.6  | 534.2  | 574.0  | 610.3  | 594.7  | 523.8  | 501.3  | 477.1  |
| 62.5° | 371.7  | 427.0  | 433.9  | 404.5  | 392.4  | 435.7  | 466.8  | 451.2  | 373.4  | 349.2  | 330.2  |
| 65°   | 297.4  | 349.2  | 363.0  | 335.4  | 328.5  | 361.3  | 380.3  | 342.3  | 287.0  | 261.0  | 240.3  |
| 67.5° | 195.4  | 236.8  | 273.1  | 271.4  | 257.6  | 268.0  | 254.1  | 223.0  | 183.3  | 169.4  | 155.6  |
| 70°   | 121.0  | 145.2  | 167.7  | 176.3  | 174.6  | 171.1  | 152.1  | 129.7  | 117.6  | 112.4  | 105.5  |
| 72.5° | 93.4   | 117.6  | 134.8  | 140.0  | 141.8  | 136.6  | 121.0  | 100.3  | 88.2   | 81.3   | 76.1   |
| 75°   | 69.2   | 88.2   | 102.0  | 108.9  | 112.4  | 108.9  | 93.4   | 79.5   | 67.4   | 62.2   | 57.0   |
| 77.5° | 24.2   | 29.4   | 36.3   | 39.8   | 38.0   | 36.3   | 32.8   | 32.8   | 25.9   | 24.2   | 20.7   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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    |



REPORT NUMBER: P636228  
 CATALOG NUMBER: GWS-SA3F-735-U-SLR-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°    | 359°    | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2 | 2261.2  | 2261.2  | 2261.2  |
| 2.5°  | 2045.2 | 2076.3 | 2133.3 | 2185.2 | 2240.5 | 2297.6 | 2359.8 | 2423.8  | 2453.1  | 2449.7  |
| 5°    | 1849.8 | 1917.2 | 2010.6 | 2112.6 | 2226.7 | 2349.4 | 2486.0 | 2626.0  | 2686.5  | 2712.5  |
| 7.5°  | 1727.1 | 1822.1 | 1944.9 | 2074.5 | 2224.9 | 2399.6 | 2605.3 | 2824.8  | 2913.0  | 2942.4  |
| 10°   | 1742.6 | 1853.3 | 1955.3 | 2081.5 | 2242.2 | 2468.7 | 2724.6 | 2985.6  | 3089.3  | 3122.2  |
| 12.5° | 1868.8 | 1893.0 | 1920.7 | 2024.4 | 2226.7 | 2520.6 | 2833.5 | 3144.7  | 3263.9  | 3296.8  |
| 15°   | 1982.9 | 1870.5 | 1818.7 | 1913.8 | 2171.4 | 2556.9 | 2944.1 | 3315.8  | 3447.2  | 3485.2  |
| 17.5° | 1988.1 | 1818.7 | 1702.9 | 1777.2 | 2081.5 | 2572.4 | 3053.0 | 3490.4  | 3633.9  | 3670.2  |
| 20°   | 1924.1 | 1761.6 | 1613.0 | 1614.7 | 1958.7 | 2569.0 | 3142.9 | 3647.7  | 3808.5  | 3841.4  |
| 22.5° | 1830.8 | 1694.2 | 1540.3 | 1486.8 | 1827.3 | 2562.1 | 3241.5 | 3815.4  | 3990.0  | 4021.2  |
| 25°   | 1727.1 | 1607.8 | 1471.2 | 1389.9 | 1695.9 | 2569.0 | 3379.8 | 4035.0  | 4226.9  | 4256.3  |
| 27.5° | 1614.7 | 1512.7 | 1417.6 | 1351.9 | 1585.3 | 2594.9 | 3545.7 | 4315.0  | 4543.2  | 4574.4  |
| 30°   | 1497.1 | 1421.1 | 1383.0 | 1343.3 | 1516.1 | 2601.8 | 3725.5 | 4641.8  | 4930.5  | 4973.7  |
| 32.5° | 1381.3 | 1339.8 | 1341.5 | 1348.5 | 1450.4 | 2553.4 | 3889.8 | 5004.8  | 5390.3  | 5459.5  |
| 35°   | 1274.1 | 1262.0 | 1296.6 | 1331.2 | 1355.4 | 2428.9 | 4033.3 | 5433.6  | 5959.1  | 6030.0  |
| 37.5° | 1182.5 | 1192.9 | 1236.1 | 1270.7 | 1251.6 | 2252.6 | 4223.4 | 5969.5  | 6595.3  | 6655.8  |
| 40°   | 1094.3 | 1120.3 | 1170.4 | 1185.9 | 1172.1 | 2046.9 | 4451.6 | 6486.4  | 7146.8  | 7229.8  |
| 42.5° | 1013.1 | 1032.1 | 1103.0 | 1106.4 | 1149.6 | 1837.7 | 4671.2 | 7043.1  | 7781.3  | 7824.5  |
| 45°   | 947.4  | 943.9  | 1016.5 | 1039.0 | 1179.0 | 1606.0 | 4885.5 | 7784.7  | 8611.1  | 8673.3  |
| 47.5° | 883.4  | 880.0  | 897.2  | 999.2  | 1191.1 | 1391.7 | 5098.2 | 8870.4  | 9814.3  | 9921.5  |
| 50°   | 822.9  | 828.1  | 774.5  | 980.2  | 1125.4 | 1227.4 | 5195.0 | 9874.8  | 10908.6 | 10953.6 |
| 52.5° | 769.3  | 750.3  | 656.9  | 918.0  | 985.4  | 1071.8 | 4920.1 | 10331.2 | 11586.3 | 11714.2 |
| 55°   | 693.2  | 587.8  | 541.1  | 745.1  | 778.0  | 935.3  | 4029.8 | 10066.7 | 11645.1 | 11871.6 |
| 57.5° | 593.0  | 461.6  | 459.9  | 549.8  | 549.8  | 867.8  | 2581.1 | 8600.7  | 10035.6 | 10433.2 |
| 60°   | 456.4  | 357.9  | 380.3  | 382.1  | 352.7  | 632.7  | 1448.7 | 6230.5  | 7419.9  | 7815.8  |
| 62.5° | 325.0  | 273.1  | 287.0  | 228.2  | 202.3  | 316.4  | 695.0  | 3587.2  | 4579.5  | 4634.9  |
| 65°   | 217.8  | 185.0  | 150.4  | 126.2  | 124.5  | 134.8  | 287.0  | 1296.6  | 1576.7  | 1778.9  |
| 67.5° | 143.5  | 112.4  | 79.5   | 79.5   | 89.9   | 89.9   | 108.9  | 214.4   | 300.8   | 274.9   |
| 70°   | 93.4   | 77.8   | 50.1   | 48.4   | 58.8   | 58.8   | 55.3   | 58.8    | 62.2    | 62.2    |
| 72.5° | 69.2   | 58.8   | 29.4   | 25.9   | 32.8   | 34.6   | 31.1   | 29.4    | 29.4    | 29.4    |
| 75°   | 51.9   | 41.5   | 17.3   | 12.1   | 15.6   | 20.7   | 17.3   | 12.1    | 12.1    | 10.4    |
| 77.5° | 20.7   | 15.6   | 6.9    | 5.2    | 8.6    | 12.1   | 10.4   | 5.2     | 3.5     | 3.5     |
| 80°   | 1.7    | 3.5    | 3.5    | 3.5    | 5.2    | 6.9    | 8.6    | 3.5     | 1.7     | 1.7     |
| 82.5° | 0.0    | 1.7    | 1.7    | 1.7    | 3.5    | 5.2    | 6.9    | 3.5     | 1.7     | 1.7     |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 3.5    | 5.2    | 3.5    | 1.7     | 0.0     | 0.0     |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.7    | 5.2    | 3.5    | 1.7     | 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)