

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: P628807

Luminaire Tested: GWS-SA1A-735-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628807  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-735-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

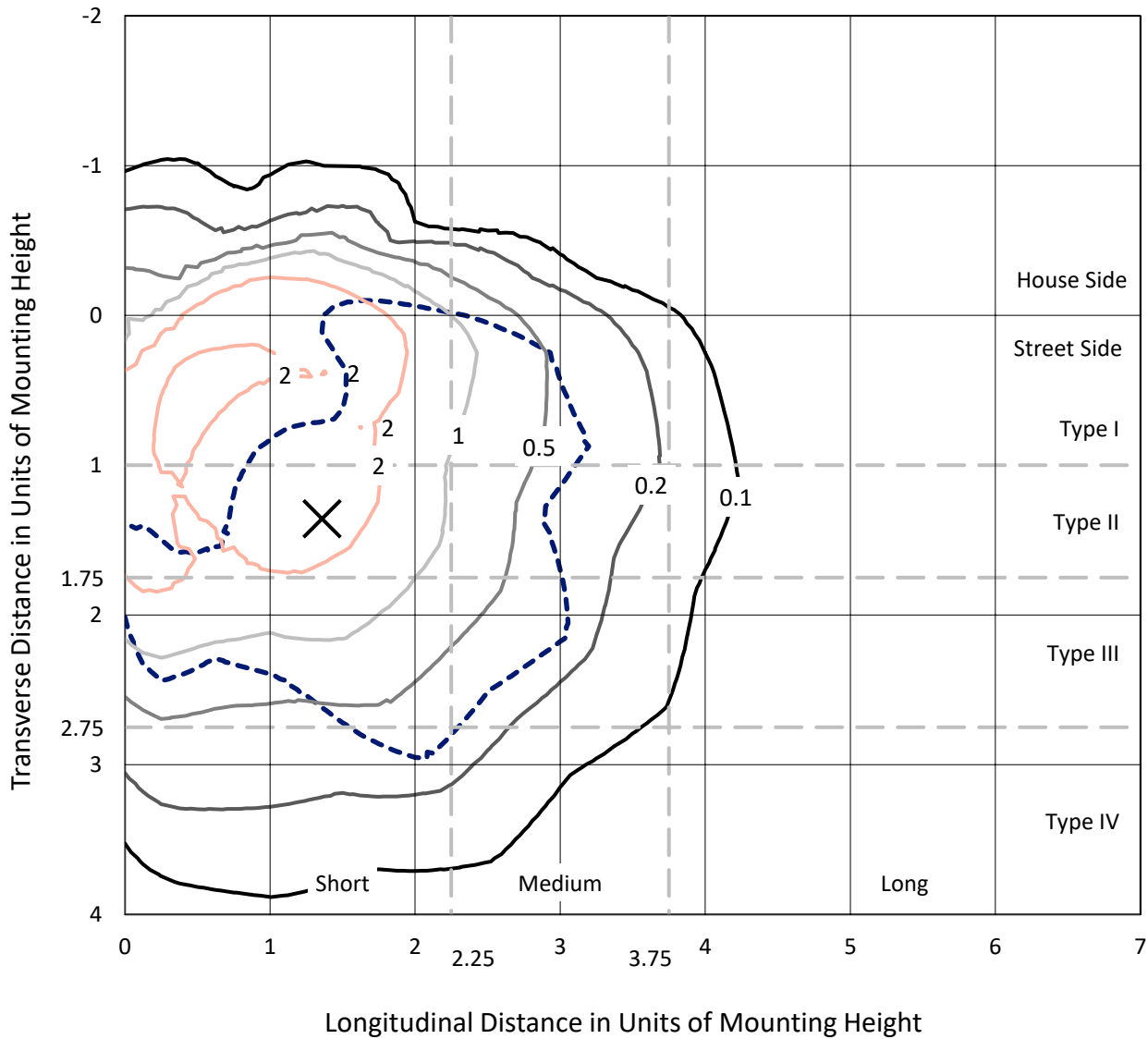
Lumens per Lamp: N/A  
Luminaire Lumens: 1740.6 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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: P628807  
 CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

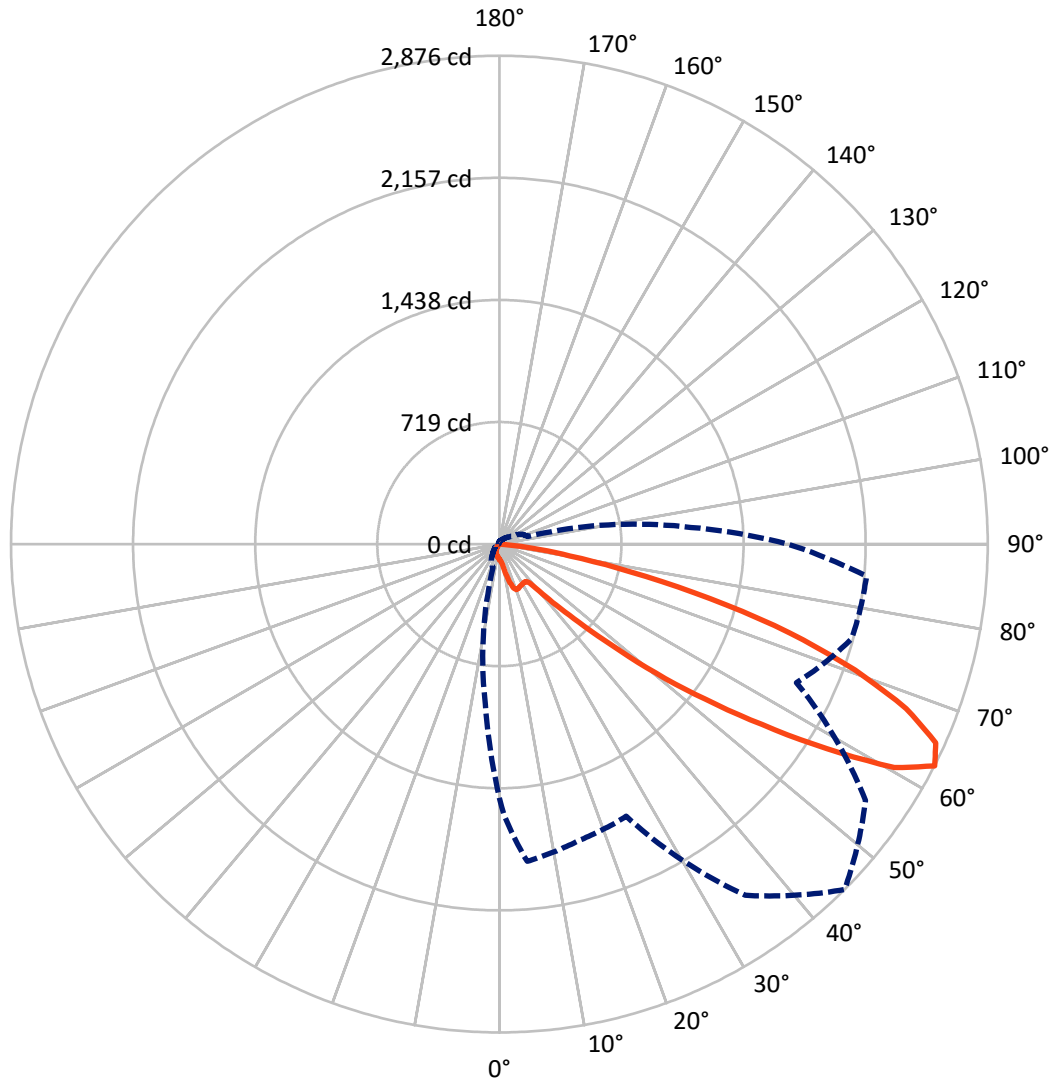
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P628807  
CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P628807  
 CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 214.8    | 0.0    | 214.8  |
|                    | % Fixture | 12.3     | 0.0    | 12.3   |
| <b>Street Side</b> | Lumens    | 1525.8   | 0.0    | 1525.8 |
|                    | % Fixture | 87.7     | 0.0    | 87.7   |
| <b>Total</b>       | Lumens    | 1740.6   | 0.0    | 1740.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 8.0    | 0.5       |
| 10°-20°   | 30.3   | 1.7       |
| 20°-30°   | 66.0   | 3.8       |
| 30°-40°   | 108.3  | 6.2       |
| 40°-50°   | 199.1  | 11.4      |
| 50°-60°   | 427.5  | 24.6      |
| 60°-70°   | 574.2  | 33.0      |
| 70°-80°   | 299.0  | 17.2      |
| 80°-90°   | 28.3   | 1.6       |
| 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°    | 1740.6 | 100.0     |
| 0°-180°   | 1740.6 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P628807

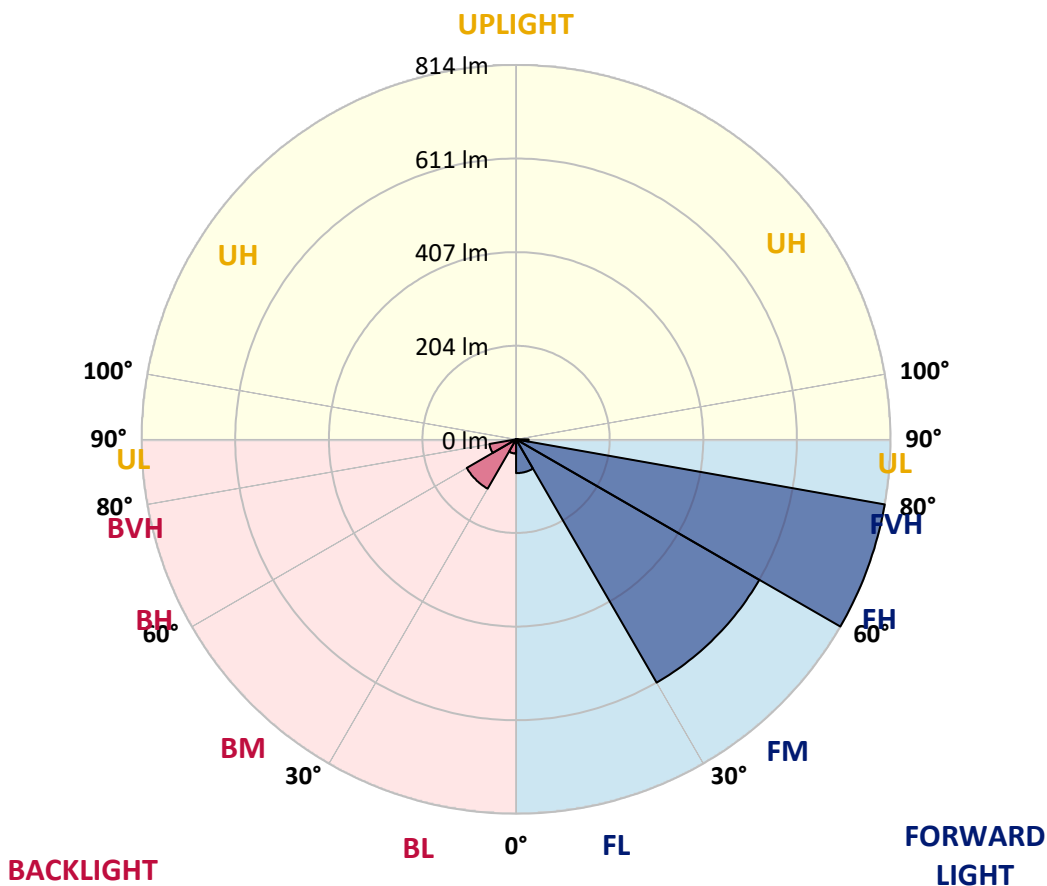
CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 73.5   | 4.2       |                         |      |         |
| FM (30°-60°)   | 610.9  | 35.1      |                         |      |         |
| FH (60°-80°)   | 814.3  | 46.8      |                         |      | G1/1800 |
| FVH (80°-90°)  | 27.1   | 1.6       |                         |      | G1/100  |
| BL (0°-30°)    | 30.8   | 1.8       | B0/110                  |      |         |
| BM (30°-60°)   | 123.9  | 7.1       | B0/220                  |      |         |
| BH (60°-80°)   | 58.8   | 3.4       | B0/110                  |      | G0/110  |
| BVH (80°-90°)  | 1.3    | 0.1       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type IV Short





REPORT NUMBER: P628807  
 CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   |
| 2.5°  | 92.3   | 92.7   | 93.1   | 94.5   | 95.5   | 96.3   | 96.5   | 95.9   | 94.5   | 93.1   | 91.1   |
| 5°    | 89.5   | 89.9   | 91.3   | 95.1   | 98.9   | 101.9  | 102.9  | 102.3  | 98.9   | 94.5   | 89.9   |
| 7.5°  | 89.3   | 90.1   | 93.5   | 101.5  | 109.8  | 116.0  | 117.6  | 116.2  | 109.8  | 100.9  | 91.5   |
| 10°   | 96.5   | 97.9   | 102.9  | 117.4  | 132.5  | 143.6  | 148.0  | 141.9  | 131.7  | 115.6  | 100.1  |
| 12.5° | 115.4  | 117.8  | 127.5  | 148.6  | 171.9  | 186.6  | 192.6  | 185.2  | 169.1  | 145.8  | 121.2  |
| 15°   | 145.2  | 148.8  | 163.3  | 194.8  | 222.4  | 235.4  | 237.4  | 233.2  | 214.5  | 188.8  | 155.8  |
| 17.5° | 187.2  | 192.4  | 214.9  | 247.1  | 267.0  | 271.6  | 271.0  | 266.6  | 252.9  | 235.2  | 204.1  |
| 20°   | 237.4  | 243.7  | 265.8  | 292.3  | 294.3  | 288.9  | 285.9  | 283.3  | 278.7  | 275.6  | 251.3  |
| 22.5° | 288.1  | 295.8  | 318.9  | 325.5  | 307.4  | 291.7  | 284.3  | 286.3  | 293.1  | 308.0  | 298.2  |
| 25°   | 338.6  | 345.8  | 367.5  | 349.6  | 313.4  | 287.3  | 277.9  | 282.7  | 299.0  | 331.1  | 343.8  |
| 27.5° | 397.5  | 402.9  | 415.8  | 366.1  | 314.5  | 283.7  | 274.4  | 281.9  | 301.8  | 345.6  | 393.9  |
| 30°   | 458.8  | 462.0  | 455.8  | 370.5  | 311.0  | 278.3  | 271.0  | 281.9  | 306.6  | 355.3  | 431.5  |
| 32.5° | 503.8  | 504.4  | 484.1  | 370.9  | 309.2  | 273.8  | 267.8  | 280.7  | 311.2  | 363.3  | 467.9  |
| 35°   | 550.3  | 547.3  | 511.3  | 377.0  | 314.0  | 275.4  | 270.2  | 284.1  | 318.5  | 372.8  | 499.8  |
| 37.5° | 597.3  | 591.9  | 541.6  | 386.8  | 326.5  | 292.9  | 289.7  | 301.6  | 330.1  | 385.8  | 535.0  |
| 40°   | 645.6  | 638.1  | 573.2  | 401.7  | 354.3  | 352.4  | 363.5  | 362.1  | 362.1  | 402.5  | 571.2  |
| 42.5° | 704.5  | 695.9  | 619.9  | 443.7  | 419.0  | 459.4  | 489.6  | 470.9  | 436.3  | 440.9  | 618.2  |
| 45°   | 782.3  | 774.9  | 700.7  | 524.2  | 520.5  | 613.4  | 654.0  | 617.0  | 531.0  | 529.6  | 696.9  |
| 47.5° | 906.8  | 905.4  | 829.6  | 617.4  | 644.8  | 809.4  | 887.9  | 816.7  | 639.0  | 623.5  | 845.6  |
| 50°   | 1081.7 | 1077.5 | 990.2  | 726.8  | 792.6  | 1052.3 | 1192.3 | 1073.6 | 769.4  | 733.0  | 1044.9 |
| 52.5° | 1278.7 | 1283.1 | 1215.2 | 846.2  | 949.6  | 1322.5 | 1517.4 | 1368.0 | 911.2  | 872.4  | 1295.6 |
| 55°   | 1464.3 | 1489.6 | 1471.7 | 986.0  | 1103.0 | 1620.9 | 1874.4 | 1690.9 | 1086.7 | 1054.7 | 1576.7 |
| 57.5° | 1609.4 | 1680.8 | 1806.3 | 1189.0 | 1283.3 | 1969.9 | 2273.1 | 2040.9 | 1291.6 | 1350.9 | 1959.3 |
| 60°   | 1617.5 | 1712.0 | 2003.3 | 1613.9 | 1515.4 | 2269.3 | 2671.2 | 2382.9 | 1613.7 | 1853.7 | 2259.1 |
| 62.5° | 1496.3 | 1597.6 | 1875.0 | 1806.9 | 1768.1 | 2524.0 | 2875.5 | 2632.2 | 1930.5 | 2148.3 | 2170.2 |
| 65°   | 1357.5 | 1459.9 | 1731.9 | 1587.9 | 1738.7 | 2513.2 | 2823.6 | 2638.0 | 1959.3 | 1948.0 | 2011.2 |
| 67.5° | 1147.8 | 1239.7 | 1486.0 | 1405.6 | 1602.6 | 2392.0 | 2584.0 | 2471.8 | 1805.1 | 1822.0 | 1850.1 |
| 70°   | 837.8  | 926.3  | 1154.9 | 1158.9 | 1399.5 | 2173.4 | 2220.3 | 2204.8 | 1662.3 | 1680.2 | 1599.8 |
| 72.5° | 605.2  | 679.8  | 877.0  | 950.4  | 1117.3 | 1822.6 | 1790.2 | 1849.9 | 1426.3 | 1496.5 | 1284.9 |
| 75°   | 435.1  | 491.0  | 643.4  | 826.7  | 885.6  | 1353.5 | 1281.5 | 1432.7 | 1144.4 | 1288.6 | 966.1  |
| 77.5° | 176.5  | 196.2  | 253.1  | 556.9  | 582.1  | 910.6  | 784.5  | 1040.7 | 815.9  | 846.6  | 468.3  |
| 80°   | 7.2    | 8.0    | 10.5   | 287.5  | 399.1  | 512.3  | 419.8  | 556.3  | 538.8  | 341.0  | 110.6  |
| 82.5° | 0.8    | 0.8    | 1.8    | 82.8   | 174.7  | 282.7  | 197.8  | 320.5  | 272.8  | 144.6  | 50.3   |
| 85°   | 0.2    | 0.2    | 0.4    | 9.4    | 41.0   | 45.2   | 26.7   | 98.3   | 126.9  | 59.1   | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 1.8    | 2.0    | 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: P628807

CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|------|------|------|------|------|------|------|
| 0°    | 90.5   | 90.5   | 90.5  | 90.5  | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 2.5°  | 91.1   | 90.1   | 88.9  | 87.7  | 87.1 | 85.4 | 84.8 | 84.4 | 84.0 | 84.2 | 84.2 |
| 5°    | 88.1   | 85.9   | 83.2  | 80.6  | 79.2 | 77.6 | 76.8 | 76.4 | 76.6 | 77.4 | 77.4 |
| 7.5°  | 87.7   | 83.4   | 77.8  | 74.4  | 72.8 | 71.6 | 70.8 | 70.4 | 70.6 | 71.6 | 72.0 |
| 10°   | 94.3   | 86.9   | 76.8  | 71.0  | 69.2 | 68.0 | 67.2 | 66.5 | 66.1 | 67.0 | 67.2 |
| 12.5° | 108.6  | 98.3   | 81.6  | 70.6  | 67.4 | 65.7 | 65.1 | 63.9 | 63.3 | 63.7 | 63.9 |
| 15°   | 138.1  | 120.4  | 91.3  | 72.2  | 65.7 | 63.9 | 62.9 | 61.9 | 60.9 | 60.7 | 60.9 |
| 17.5° | 176.7  | 151.4  | 106.0 | 76.0  | 64.5 | 62.3 | 60.9 | 59.5 | 58.1 | 57.9 | 57.7 |
| 20°   | 224.6  | 189.4  | 126.5 | 82.0  | 63.5 | 60.9 | 58.9 | 56.9 | 55.1 | 54.5 | 54.5 |
| 22.5° | 268.2  | 235.2  | 152.8 | 89.5  | 62.1 | 58.9 | 56.5 | 54.1 | 52.1 | 51.1 | 50.9 |
| 25°   | 321.5  | 283.9  | 184.4 | 98.1  | 60.1 | 56.3 | 53.7 | 51.3 | 49.3 | 48.1 | 47.7 |
| 27.5° | 375.2  | 335.2  | 220.2 | 109.4 | 57.7 | 53.7 | 51.3 | 49.1 | 46.8 | 45.4 | 45.0 |
| 30°   | 427.2  | 390.4  | 260.4 | 123.4 | 55.9 | 51.1 | 49.1 | 46.8 | 44.8 | 42.6 | 42.0 |
| 32.5° | 483.1  | 446.9  | 305.4 | 139.1 | 54.5 | 49.3 | 47.0 | 45.0 | 42.4 | 40.4 | 39.4 |
| 35°   | 537.0  | 505.3  | 355.1 | 154.4 | 53.1 | 47.7 | 45.2 | 43.2 | 40.4 | 38.2 | 36.8 |
| 37.5° | 591.3  | 564.6  | 406.9 | 163.7 | 51.1 | 45.4 | 43.2 | 41.6 | 38.4 | 35.8 | 34.2 |
| 40°   | 648.8  | 625.9  | 463.0 | 159.8 | 49.3 | 43.0 | 41.8 | 40.0 | 36.4 | 33.4 | 31.4 |
| 42.5° | 711.9  | 684.4  | 520.1 | 145.2 | 47.7 | 41.0 | 39.8 | 38.0 | 34.6 | 31.0 | 28.3 |
| 45°   | 791.4  | 748.5  | 567.0 | 123.0 | 48.5 | 39.0 | 36.6 | 36.2 | 33.0 | 28.3 | 25.1 |
| 47.5° | 927.9  | 847.0  | 603.4 | 108.8 | 53.9 | 36.8 | 34.0 | 35.0 | 31.6 | 25.7 | 22.1 |
| 50°   | 1136.8 | 1010.3 | 637.3 | 107.8 | 62.1 | 35.8 | 31.6 | 34.2 | 30.2 | 23.1 | 19.5 |
| 52.5° | 1335.8 | 1176.2 | 659.1 | 116.6 | 69.4 | 38.4 | 29.2 | 33.2 | 29.2 | 21.3 | 17.7 |
| 55°   | 1526.2 | 1271.9 | 620.3 | 123.0 | 76.2 | 46.2 | 27.3 | 31.6 | 27.9 | 20.3 | 17.1 |
| 57.5° | 1731.5 | 1314.5 | 488.4 | 136.1 | 81.0 | 52.9 | 27.7 | 29.2 | 26.3 | 19.7 | 16.9 |
| 60°   | 1792.8 | 1260.0 | 294.7 | 153.2 | 78.4 | 54.9 | 30.8 | 25.9 | 24.1 | 18.5 | 16.3 |
| 62.5° | 1697.5 | 1130.7 | 173.9 | 139.5 | 76.2 | 51.9 | 35.2 | 23.9 | 21.9 | 16.9 | 15.1 |
| 65°   | 1555.0 | 955.2  | 113.4 | 117.8 | 80.8 | 46.2 | 37.4 | 22.9 | 19.9 | 15.3 | 13.3 |
| 67.5° | 1392.1 | 769.4  | 79.4  | 69.6  | 74.6 | 41.6 | 31.6 | 22.7 | 17.9 | 12.9 | 10.9 |
| 70°   | 1172.6 | 576.2  | 55.9  | 46.0  | 62.1 | 37.0 | 24.5 | 22.1 | 15.7 | 10.5 | 8.4  |
| 72.5° | 906.0  | 360.7  | 41.6  | 29.8  | 44.2 | 30.2 | 19.5 | 18.7 | 12.7 | 8.6  | 6.4  |
| 75°   | 668.1  | 205.7  | 29.4  | 21.5  | 29.2 | 22.9 | 14.5 | 13.3 | 10.9 | 8.2  | 5.8  |
| 77.5° | 348.8  | 102.9  | 18.3  | 16.5  | 16.7 | 14.3 | 10.5 | 9.7  | 10.1 | 8.2  | 5.4  |
| 80°   | 67.0   | 20.5   | 11.1  | 12.1  | 9.0  | 9.0  | 7.6  | 8.0  | 8.8  | 6.6  | 4.6  |
| 82.5° | 27.9   | 4.4    | 6.0   | 6.8   | 5.6  | 6.2  | 6.2  | 6.4  | 6.2  | 4.8  | 3.4  |
| 85°   | 0.0    | 0.0    | 2.6   | 2.8   | 3.8  | 3.8  | 3.2  | 3.2  | 3.2  | 2.8  | 2.0  |
| 87.5° | 0.0    | 0.0    | 0.0   | 0.0   | 0.2  | 0.6  | 1.2  | 1.4  | 1.6  | 1.2  | 0.8  |
| 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: P628807  
 CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 2.5°  | 84.0 | 83.6 | 84.2 | 84.6 | 85.0 | 85.0 | 84.6 | 84.2 | 83.6 | 84.2 | 83.6 |
| 5°    | 77.6 | 78.2 | 79.2 | 79.6 | 80.0 | 79.2 | 78.8 | 77.6 | 76.6 | 76.8 | 76.4 |
| 7.5°  | 72.6 | 73.2 | 74.4 | 75.2 | 75.2 | 74.8 | 73.6 | 72.4 | 70.8 | 70.8 | 70.6 |
| 10°   | 68.0 | 68.8 | 70.2 | 71.2 | 71.6 | 71.2 | 70.0 | 68.4 | 67.0 | 67.0 | 66.3 |
| 12.5° | 64.1 | 65.1 | 66.8 | 68.2 | 68.6 | 68.2 | 67.0 | 65.3 | 63.7 | 63.7 | 63.3 |
| 15°   | 60.9 | 62.1 | 63.9 | 65.5 | 66.1 | 65.5 | 64.1 | 62.1 | 60.5 | 60.7 | 60.1 |
| 17.5° | 57.9 | 58.9 | 61.3 | 63.1 | 63.7 | 63.1 | 61.3 | 58.7 | 57.1 | 57.5 | 57.1 |
| 20°   | 54.5 | 55.7 | 58.1 | 60.1 | 60.7 | 60.1 | 58.1 | 55.3 | 53.7 | 53.7 | 53.9 |
| 22.5° | 50.9 | 52.1 | 54.5 | 55.9 | 56.7 | 56.1 | 54.1 | 51.5 | 49.9 | 49.9 | 50.1 |
| 25°   | 47.7 | 48.3 | 50.1 | 51.5 | 51.7 | 51.1 | 49.5 | 47.4 | 46.2 | 46.8 | 47.0 |
| 27.5° | 44.6 | 44.6 | 45.4 | 46.2 | 46.0 | 45.4 | 44.8 | 43.2 | 43.0 | 43.6 | 44.2 |
| 30°   | 41.4 | 40.4 | 40.0 | 39.4 | 39.2 | 39.0 | 39.6 | 39.6 | 40.0 | 40.8 | 41.4 |
| 32.5° | 38.6 | 36.6 | 34.8 | 33.0 | 32.0 | 32.8 | 34.4 | 35.8 | 37.2 | 38.4 | 39.0 |
| 35°   | 35.4 | 32.2 | 29.2 | 26.7 | 25.1 | 26.3 | 29.0 | 31.6 | 34.0 | 35.6 | 36.6 |
| 37.5° | 32.2 | 27.5 | 23.9 | 20.9 | 19.7 | 20.7 | 23.5 | 27.1 | 30.8 | 32.8 | 34.2 |
| 40°   | 28.8 | 22.9 | 18.7 | 16.3 | 15.1 | 16.1 | 18.9 | 22.5 | 27.3 | 30.0 | 31.8 |
| 42.5° | 25.3 | 18.9 | 15.1 | 12.7 | 12.1 | 12.7 | 14.9 | 18.5 | 23.7 | 26.9 | 29.4 |
| 45°   | 21.9 | 15.7 | 12.1 | 10.3 | 9.7  | 10.3 | 12.1 | 15.1 | 20.3 | 23.9 | 26.7 |
| 47.5° | 18.9 | 13.3 | 10.1 | 8.4  | 8.0  | 8.6  | 10.1 | 12.7 | 17.1 | 20.7 | 23.9 |
| 50°   | 16.5 | 11.7 | 8.6  | 7.2  | 6.8  | 7.4  | 8.6  | 10.7 | 14.5 | 17.7 | 21.1 |
| 52.5° | 14.9 | 10.9 | 7.6  | 6.2  | 6.0  | 6.4  | 7.4  | 9.0  | 12.3 | 15.1 | 18.3 |
| 55°   | 14.5 | 10.9 | 7.0  | 5.6  | 5.4  | 5.8  | 6.6  | 7.8  | 10.7 | 13.1 | 15.9 |
| 57.5° | 14.9 | 11.7 | 6.6  | 4.8  | 4.6  | 5.0  | 5.8  | 6.8  | 9.2  | 11.3 | 13.9 |
| 60°   | 14.9 | 11.9 | 5.8  | 3.8  | 3.6  | 4.0  | 4.8  | 6.0  | 8.2  | 9.9  | 12.1 |
| 62.5° | 13.5 | 10.9 | 4.8  | 3.0  | 2.6  | 3.0  | 4.0  | 5.0  | 7.2  | 8.8  | 10.7 |
| 65°   | 11.7 | 9.2  | 4.0  | 2.2  | 1.8  | 2.2  | 3.2  | 4.2  | 6.2  | 7.6  | 9.7  |
| 67.5° | 9.4  | 7.0  | 3.0  | 1.6  | 1.2  | 1.6  | 2.4  | 3.4  | 5.2  | 6.6  | 8.6  |
| 70°   | 7.0  | 5.0  | 2.4  | 1.4  | 1.2  | 1.4  | 2.2  | 3.2  | 4.6  | 6.0  | 8.0  |
| 72.5° | 5.2  | 3.4  | 2.0  | 1.4  | 1.0  | 1.4  | 2.0  | 3.0  | 4.4  | 5.8  | 7.6  |
| 75°   | 4.4  | 2.8  | 1.8  | 1.2  | 1.0  | 1.2  | 1.8  | 2.8  | 4.0  | 5.4  | 7.2  |
| 77.5° | 4.2  | 2.6  | 1.6  | 1.0  | 0.8  | 1.0  | 1.6  | 2.4  | 3.6  | 5.0  | 7.0  |
| 80°   | 3.6  | 2.2  | 1.4  | 0.8  | 0.6  | 0.8  | 1.4  | 2.0  | 2.8  | 3.8  | 5.4  |
| 82.5° | 2.8  | 1.8  | 1.0  | 0.4  | 0.2  | 0.4  | 1.0  | 1.2  | 1.8  | 2.2  | 3.2  |
| 85°   | 1.8  | 1.0  | 0.4  | 0.0  | 0.0  | 0.0  | 0.4  | 0.8  | 0.8  | 1.0  | 1.6  |
| 87.5° | 0.8  | 0.2  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.2  | 0.4  | 0.6  |
| 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: P628807  
 CATALOG NUMBER: GWS-SA1A-735-U-SLR-W-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285° | 295° | 305° | 315° | 325° | 335°  | 345°  | 355°   | 359°   | 360°   |
|-------|------|------|------|------|------|-------|-------|--------|--------|--------|
| 0°    | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5  | 90.5  | 90.5   | 90.5   | 90.5   |
| 2.5°  | 84.8 | 85.0 | 85.4 | 86.1 | 87.5 | 88.7  | 89.9  | 91.5   | 92.3   | 92.3   |
| 5°    | 76.8 | 77.0 | 77.2 | 78.0 | 80.0 | 81.6  | 84.2  | 87.5   | 89.1   | 89.5   |
| 7.5°  | 70.6 | 71.0 | 71.4 | 72.0 | 74.0 | 76.2  | 79.6  | 85.6   | 88.7   | 89.3   |
| 10°   | 67.0 | 67.6 | 68.4 | 69.6 | 71.4 | 73.8  | 79.6  | 90.5   | 95.5   | 96.5   |
| 12.5° | 64.1 | 65.1 | 65.9 | 67.4 | 69.6 | 73.4  | 85.0  | 104.1  | 113.0  | 115.4  |
| 15°   | 61.3 | 62.5 | 63.7 | 65.1 | 67.6 | 74.8  | 95.5  | 128.7  | 143.4  | 145.2  |
| 17.5° | 58.5 | 59.9 | 61.5 | 63.1 | 66.1 | 78.2  | 112.0 | 162.7  | 183.2  | 187.2  |
| 20°   | 55.3 | 57.1 | 59.3 | 61.3 | 64.7 | 83.6  | 134.9 | 203.1  | 228.8  | 237.4  |
| 22.5° | 51.9 | 54.1 | 56.7 | 59.3 | 63.1 | 90.3  | 162.7 | 246.5  | 282.5  | 288.1  |
| 25°   | 49.1 | 51.3 | 53.7 | 56.3 | 60.5 | 98.3  | 196.2 | 300.4  | 333.1  | 338.6  |
| 27.5° | 46.4 | 48.7 | 50.9 | 53.3 | 57.9 | 108.8 | 236.6 | 357.7  | 391.9  | 397.5  |
| 30°   | 43.6 | 46.2 | 48.5 | 50.9 | 55.5 | 121.6 | 283.3 | 421.2  | 453.6  | 458.8  |
| 32.5° | 41.2 | 43.8 | 46.0 | 48.5 | 53.7 | 135.7 | 332.3 | 477.5  | 503.8  | 503.8  |
| 35°   | 39.2 | 42.0 | 43.6 | 46.8 | 52.3 | 144.8 | 378.8 | 531.2  | 551.1  | 550.3  |
| 37.5° | 37.0 | 40.4 | 41.6 | 43.8 | 50.5 | 145.8 | 422.4 | 587.9  | 602.6  | 597.3  |
| 40°   | 34.8 | 38.4 | 40.2 | 41.4 | 48.5 | 137.5 | 470.3 | 640.0  | 652.4  | 645.6  |
| 42.5° | 32.8 | 35.6 | 38.2 | 39.6 | 47.2 | 123.0 | 508.7 | 695.7  | 710.5  | 704.5  |
| 45°   | 30.8 | 33.2 | 34.8 | 37.4 | 48.1 | 113.0 | 541.6 | 760.6  | 786.7  | 782.3  |
| 47.5° | 28.8 | 30.8 | 31.8 | 35.8 | 53.5 | 108.4 | 561.7 | 861.1  | 910.4  | 906.8  |
| 50°   | 26.5 | 29.0 | 29.0 | 35.4 | 61.5 | 110.0 | 579.2 | 1006.7 | 1082.9 | 1081.7 |
| 52.5° | 24.3 | 26.9 | 26.5 | 38.4 | 67.8 | 117.4 | 599.1 | 1135.2 | 1267.7 | 1278.7 |
| 55°   | 22.1 | 24.5 | 24.9 | 44.4 | 71.4 | 123.8 | 522.1 | 1189.2 | 1425.5 | 1464.3 |
| 57.5° | 19.7 | 21.1 | 25.9 | 49.1 | 70.2 | 142.5 | 357.7 | 1199.1 | 1526.2 | 1609.4 |
| 60°   | 17.1 | 18.3 | 29.4 | 48.1 | 66.3 | 131.7 | 225.2 | 1110.6 | 1511.9 | 1617.5 |
| 62.5° | 14.9 | 16.9 | 31.0 | 42.4 | 67.6 | 114.2 | 143.6 | 946.6  | 1375.8 | 1496.3 |
| 65°   | 13.1 | 16.3 | 28.1 | 38.4 | 68.4 | 77.4  | 96.9  | 770.0  | 1242.9 | 1357.5 |
| 67.5° | 11.7 | 18.1 | 23.1 | 34.2 | 58.7 | 54.5  | 66.5  | 598.3  | 1045.1 | 1147.8 |
| 70°   | 10.7 | 18.5 | 18.9 | 29.4 | 45.4 | 35.0  | 43.8  | 402.7  | 720.4  | 837.8  |
| 72.5° | 9.7  | 13.7 | 14.3 | 23.5 | 29.4 | 21.3  | 28.3  | 230.4  | 525.2  | 605.2  |
| 75°   | 9.2  | 9.2  | 9.9  | 15.3 | 16.3 | 15.5  | 18.3  | 137.5  | 376.6  | 435.1  |
| 77.5° | 8.6  | 7.0  | 6.2  | 9.9  | 8.8  | 11.1  | 10.9  | 61.1   | 163.3  | 176.5  |
| 80°   | 6.8  | 5.0  | 4.2  | 6.2  | 6.0  | 7.4   | 6.4   | 5.0    | 7.4    | 7.2    |
| 82.5° | 4.2  | 3.2  | 3.0  | 3.8  | 3.4  | 3.8   | 3.0   | 0.8    | 0.8    | 0.8    |
| 85°   | 2.0  | 1.8  | 1.6  | 1.6  | 1.8  | 1.6   | 1.2   | 0.4    | 0.2    | 0.2    |
| 87.5° | 1.0  | 1.0  | 0.8  | 0.6  | 0.8  | 0.8   | 0.6   | 0.2    | 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)