

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: P629793

Luminaire Tested: GWS-SA1C-735-U-SLL-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629793  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-735-U-SLL-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

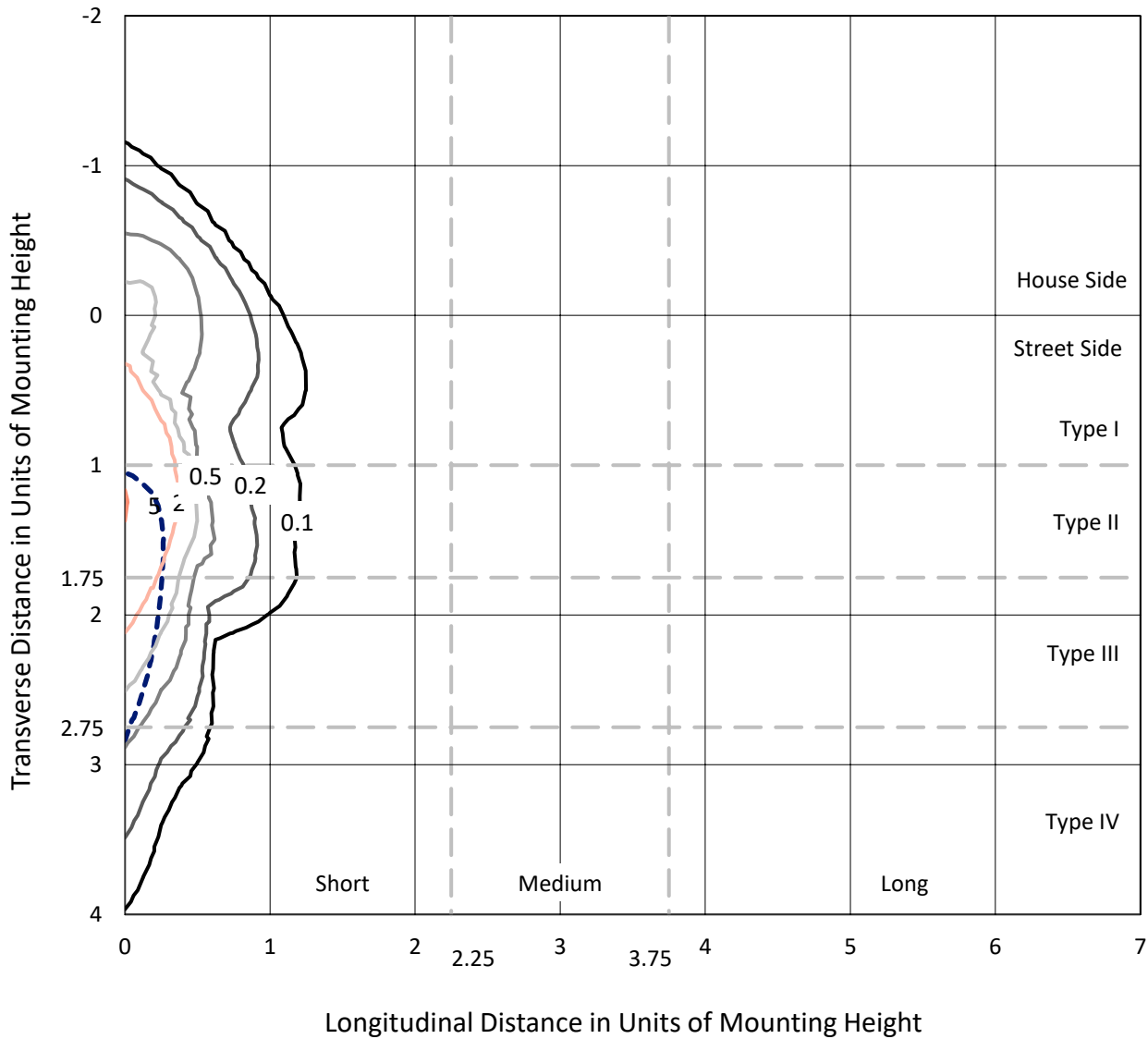
Lumens per Lamp: N/A  
Luminaire Lumens: 2870.3 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

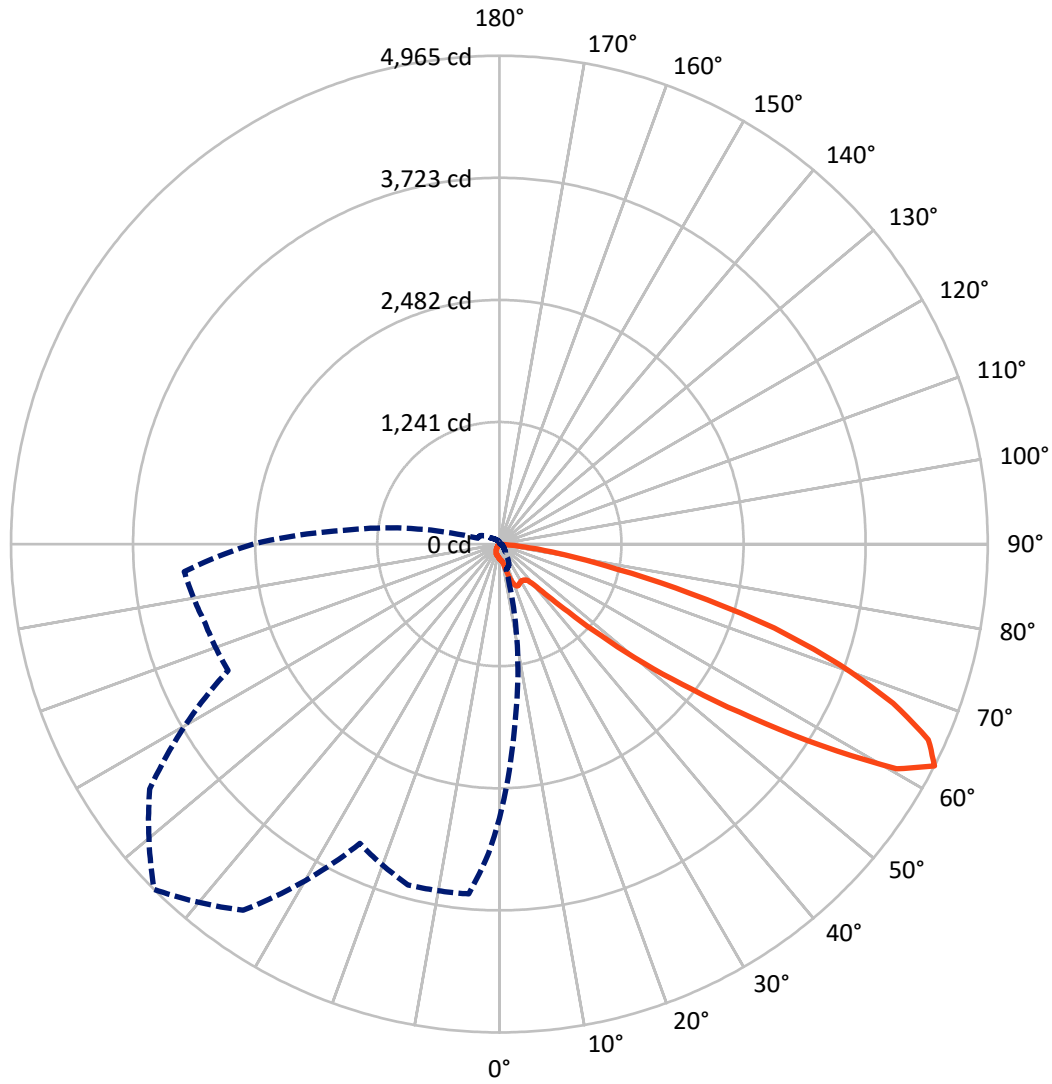
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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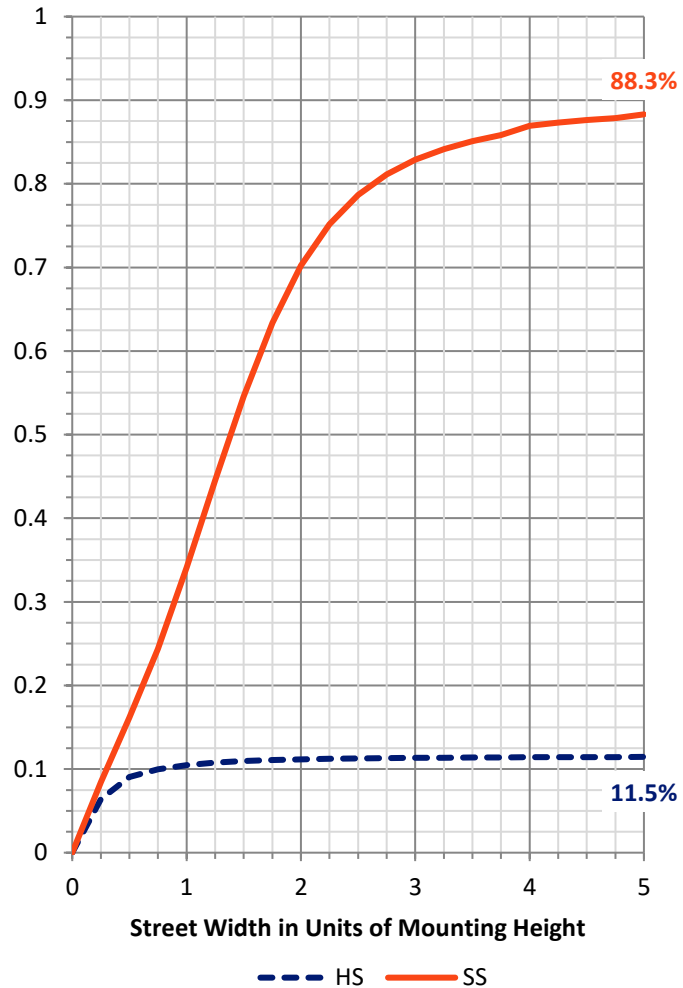
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 333.5    | 0.0    | 333.5  |
|                    | % Fixture | 11.6     | 0.0    | 11.6   |
| <b>Street Side</b> | Lumens    | 2536.8   | 0.0    | 2536.8 |
|                    | % Fixture | 88.4     | 0.0    | 88.4   |
| <b>Total</b>       | Lumens    | 2870.3   | 0.0    | 2870.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 12.9   | 0.4       |
| 10°-20°   | 44.1   | 1.5       |
| 20°-30°   | 99.5   | 3.5       |
| 30°-40°   | 171.5  | 6.0       |
| 40°-50°   | 323.5  | 11.3      |
| 50°-60°   | 722.2  | 25.2      |
| 60°-70°   | 965.9  | 33.7      |
| 70°-80°   | 484.4  | 16.9      |
| 80°-90°   | 46.4   | 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°    | 2870.3 | 100.0     |
| 0°-180°   | 2870.3 | 100.0     |

**Coefficient of Utilization**



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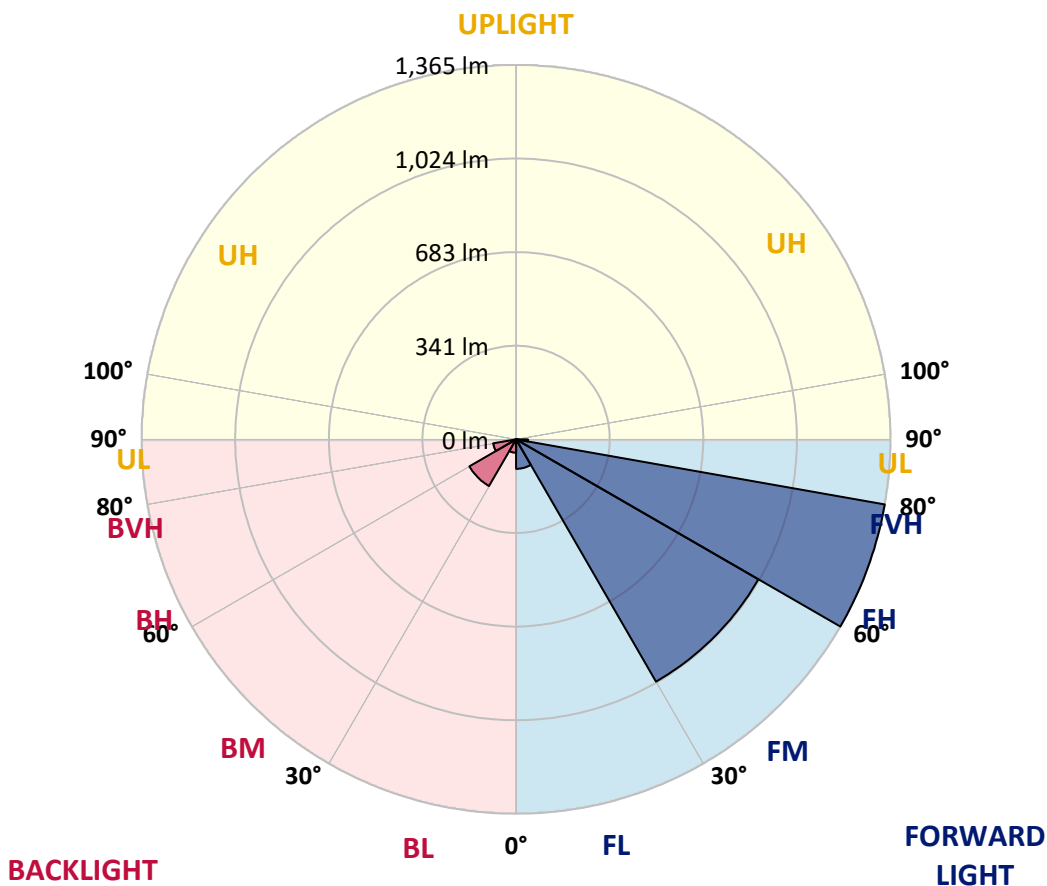
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 107.5  | 3.7       |                         |      |         |
| FM (30°-60°)   | 1020.5 | 35.6      |                         |      |         |
| FH (60°-80°)   | 1365.5 | 47.6      |                         |      | G1/1800 |
| FVH (80°-90°)  | 43.3   | 1.5       |                         |      | G1/100  |
| BL (0°-30°)    | 49.0   | 1.7       | B0/110                  |      |         |
| BM (30°-60°)   | 196.6  | 6.9       | B0/220                  |      |         |
| BH (60°-80°)   | 84.8   | 3.0       | B0/110                  |      | G0/110  |
| BVH (80°-90°)  | 3.1    | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2°     | 5°     | 15°    | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 148.9  | 148.9  | 148.9  | 148.9  | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 |
| 2.5°  | 147.2  | 146.8  | 146.1  | 144.1  | 142.4 | 141.4 | 139.3 | 139.3 | 139.0 | 138.3 | 137.0 |
| 5°    | 142.4  | 141.0  | 139.7  | 135.9  | 131.9 | 129.5 | 126.8 | 126.4 | 126.4 | 125.7 | 125.4 |
| 7.5°  | 134.9  | 133.6  | 131.9  | 125.7  | 122.0 | 119.6 | 117.3 | 116.9 | 115.9 | 115.9 | 115.9 |
| 10°   | 130.8  | 128.8  | 126.1  | 119.3  | 115.6 | 113.5 | 111.8 | 110.8 | 110.1 | 109.1 | 108.8 |
| 12.5° | 139.7  | 135.9  | 130.2  | 117.9  | 112.8 | 110.1 | 108.1 | 107.4 | 105.4 | 104.0 | 103.0 |
| 15°   | 167.2  | 158.0  | 146.5  | 121.0  | 111.8 | 107.7 | 105.0 | 103.7 | 102.0 | 99.6  | 97.9  |
| 17.5° | 212.4  | 199.2  | 179.8  | 130.8  | 110.8 | 105.7 | 102.3 | 99.9  | 97.5  | 94.8  | 92.8  |
| 20°   | 274.9  | 255.2  | 232.1  | 148.9  | 110.8 | 103.3 | 99.2  | 96.2  | 92.8  | 89.7  | 87.3  |
| 22.5° | 354.5  | 334.8  | 295.3  | 179.4  | 112.2 | 100.3 | 95.5  | 91.4  | 87.3  | 84.6  | 81.9  |
| 25°   | 443.5  | 415.6  | 378.9  | 216.5  | 115.9 | 96.2  | 91.1  | 87.0  | 83.3  | 79.9  | 76.8  |
| 27.5° | 542.8  | 512.5  | 463.6  | 269.2  | 124.0 | 92.1  | 86.3  | 82.6  | 79.2  | 75.8  | 71.7  |
| 30°   | 634.2  | 616.2  | 566.2  | 332.4  | 137.3 | 89.4  | 82.6  | 79.2  | 75.8  | 71.4  | 67.6  |
| 32.5° | 743.9  | 712.0  | 670.9  | 404.4  | 155.0 | 86.7  | 79.5  | 74.8  | 72.0  | 68.0  | 63.9  |
| 35°   | 854.4  | 827.2  | 773.2  | 493.1  | 174.7 | 83.9  | 75.8  | 71.4  | 69.0  | 64.2  | 59.8  |
| 37.5° | 968.3  | 962.1  | 908.8  | 591.4  | 194.1 | 80.9  | 71.4  | 68.7  | 66.3  | 60.8  | 55.7  |
| 40°   | 1080.4 | 1069.2 | 1019.9 | 703.5  | 206.0 | 77.5  | 67.6  | 65.9  | 63.2  | 57.1  | 51.3  |
| 42.5° | 1187.8 | 1179.3 | 1131.4 | 810.9  | 204.3 | 74.4  | 63.9  | 61.9  | 59.8  | 53.7  | 46.6  |
| 45°   | 1319.7 | 1305.7 | 1245.2 | 890.4  | 186.9 | 77.8  | 60.2  | 56.8  | 56.4  | 50.6  | 41.8  |
| 47.5° | 1566.4 | 1520.5 | 1417.9 | 951.6  | 169.6 | 86.7  | 56.1  | 52.0  | 54.4  | 47.6  | 37.0  |
| 50°   | 1912.0 | 1858.0 | 1709.5 | 999.2  | 169.2 | 98.2  | 55.4  | 47.6  | 52.7  | 45.2  | 33.0  |
| 52.5° | 2259.4 | 2164.2 | 1983.8 | 1024.7 | 181.8 | 106.7 | 61.5  | 43.2  | 50.6  | 42.8  | 29.9  |
| 55°   | 2592.1 | 2394.6 | 2098.6 | 940.4  | 191.7 | 115.9 | 72.7  | 40.8  | 46.9  | 40.1  | 28.2  |
| 57.5° | 2909.2 | 2579.9 | 2148.6 | 743.9  | 224.6 | 119.6 | 79.5  | 41.8  | 41.5  | 36.7  | 26.8  |
| 60°   | 2952.7 | 2571.0 | 2047.6 | 432.6  | 247.8 | 113.2 | 76.8  | 46.6  | 36.4  | 32.6  | 24.5  |
| 62.5° | 2788.2 | 2400.1 | 1817.6 | 269.8  | 230.1 | 110.8 | 68.3  | 53.0  | 33.0  | 28.9  | 21.4  |
| 65°   | 2538.4 | 2131.9 | 1515.4 | 174.0  | 174.3 | 123.0 | 59.8  | 52.0  | 30.9  | 25.5  | 18.4  |
| 67.5° | 2147.9 | 1784.3 | 1193.9 | 116.6  | 98.6  | 105.0 | 52.3  | 35.7  | 30.2  | 21.8  | 14.3  |
| 70°   | 1567.8 | 1270.1 | 777.3  | 77.8   | 58.8  | 83.9  | 43.8  | 25.5  | 28.5  | 18.0  | 10.2  |
| 72.5° | 1146.0 | 853.4  | 434.0  | 51.0   | 33.3  | 48.9  | 32.3  | 18.4  | 22.1  | 13.3  | 7.1   |
| 75°   | 824.8  | 587.3  | 247.8  | 32.6   | 22.1  | 26.8  | 21.1  | 12.6  | 14.3  | 10.5  | 6.5   |
| 77.5° | 397.0  | 286.2  | 112.5  | 18.0   | 15.0  | 13.6  | 11.2  | 7.8   | 8.8   | 9.5   | 5.8   |
| 80°   | 15.0   | 11.2   | 8.5    | 8.8    | 9.5   | 6.1   | 5.1   | 4.1   | 5.1   | 6.5   | 3.1   |
| 82.5° | 0.0    | 0.0    | 0.0    | 1.0    | 1.4   | 1.7   | 2.0   | 1.7   | 2.0   | 2.4   | 0.3   |
| 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   |



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**CANDELA DISTRIBUTION (continued):**

|       | 90°   | 95°   | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 |
| 2.5°  | 138.0 | 137.3 | 138.0 | 138.7 | 139.3 | 140.0 | 139.0 | 139.7 | 140.4 | 138.7 | 139.3 |
| 5°    | 127.1 | 126.8 | 128.8 | 129.8 | 131.2 | 131.9 | 131.2 | 131.2 | 130.8 | 128.8 | 128.8 |
| 7.5°  | 117.6 | 117.9 | 119.6 | 122.0 | 123.7 | 124.7 | 124.0 | 123.7 | 122.7 | 119.6 | 119.6 |
| 10°   | 110.5 | 110.5 | 113.2 | 115.2 | 117.6 | 118.6 | 117.9 | 116.9 | 115.9 | 112.8 | 112.5 |
| 12.5° | 104.7 | 104.7 | 106.7 | 110.1 | 112.8 | 114.2 | 113.9 | 112.5 | 110.8 | 107.7 | 107.4 |
| 15°   | 99.2  | 98.9  | 102.0 | 105.0 | 108.8 | 110.5 | 109.8 | 108.8 | 105.7 | 103.0 | 102.3 |
| 17.5° | 93.8  | 93.5  | 96.2  | 100.3 | 104.3 | 106.7 | 106.4 | 104.0 | 101.3 | 97.9  | 97.2  |
| 20°   | 88.4  | 87.7  | 91.1  | 95.2  | 99.2  | 101.6 | 100.9 | 98.9  | 95.5  | 92.1  | 91.4  |
| 22.5° | 82.9  | 82.6  | 85.0  | 88.4  | 92.1  | 94.1  | 93.8  | 92.1  | 88.7  | 85.6  | 85.6  |
| 25°   | 76.8  | 76.8  | 78.5  | 80.9  | 83.6  | 84.6  | 85.0  | 84.3  | 82.2  | 80.5  | 80.5  |
| 27.5° | 71.7  | 70.7  | 71.4  | 72.0  | 73.4  | 75.1  | 75.1  | 75.8  | 76.1  | 75.4  | 75.8  |
| 30°   | 67.6  | 65.9  | 64.9  | 63.6  | 62.9  | 63.6  | 64.2  | 66.6  | 69.0  | 70.4  | 71.0  |
| 32.5° | 62.9  | 60.8  | 58.1  | 54.4  | 52.0  | 51.3  | 53.4  | 57.8  | 62.2  | 65.3  | 67.0  |
| 35°   | 58.1  | 55.4  | 50.3  | 44.9  | 41.8  | 40.8  | 43.2  | 48.3  | 54.7  | 60.2  | 62.5  |
| 37.5° | 53.4  | 49.6  | 42.5  | 36.0  | 32.6  | 31.9  | 34.3  | 39.8  | 47.2  | 54.7  | 57.8  |
| 40°   | 47.9  | 43.5  | 35.0  | 28.2  | 25.5  | 24.8  | 26.8  | 32.3  | 40.1  | 48.6  | 53.4  |
| 42.5° | 42.5  | 37.0  | 28.2  | 22.4  | 19.7  | 19.7  | 22.4  | 26.5  | 33.6  | 42.8  | 48.6  |
| 45°   | 37.0  | 31.3  | 23.1  | 18.0  | 16.3  | 16.7  | 18.4  | 22.4  | 28.2  | 37.7  | 43.2  |
| 47.5° | 31.9  | 26.8  | 19.0  | 15.0  | 13.6  | 13.9  | 16.0  | 19.4  | 24.1  | 32.6  | 38.4  |
| 50°   | 27.5  | 22.8  | 16.7  | 12.6  | 11.6  | 12.2  | 14.3  | 17.3  | 21.4  | 28.9  | 33.6  |
| 52.5° | 24.8  | 20.4  | 15.3  | 10.9  | 10.2  | 10.9  | 12.9  | 15.6  | 19.4  | 25.5  | 30.2  |
| 55°   | 23.5  | 20.1  | 15.3  | 9.9   | 8.8   | 9.5   | 11.6  | 14.3  | 17.3  | 23.1  | 27.2  |
| 57.5° | 23.1  | 20.7  | 16.3  | 8.8   | 7.5   | 8.2   | 10.2  | 12.9  | 16.0  | 21.1  | 24.5  |
| 60°   | 21.8  | 19.7  | 16.0  | 7.1   | 5.8   | 6.8   | 8.5   | 11.2  | 14.6  | 19.7  | 22.8  |
| 62.5° | 19.0  | 17.3  | 13.9  | 5.8   | 4.4   | 5.1   | 7.1   | 9.9   | 13.3  | 18.0  | 21.4  |
| 65°   | 15.6  | 13.9  | 10.9  | 3.7   | 2.7   | 3.4   | 5.4   | 8.5   | 11.6  | 16.3  | 19.4  |
| 67.5° | 11.6  | 9.9   | 7.5   | 2.4   | 1.4   | 2.4   | 4.4   | 7.1   | 10.5  | 14.6  | 17.7  |
| 70°   | 7.1   | 5.8   | 4.1   | 1.4   | 1.0   | 2.0   | 4.1   | 6.8   | 9.5   | 13.6  | 16.7  |
| 72.5° | 4.1   | 2.7   | 1.7   | 0.7   | 1.0   | 2.0   | 4.1   | 6.8   | 9.2   | 12.9  | 15.6  |
| 75°   | 3.1   | 1.7   | 0.7   | 0.3   | 0.7   | 1.7   | 3.7   | 6.1   | 8.8   | 12.2  | 15.0  |
| 77.5° | 2.0   | 1.0   | 0.3   | 0.0   | 0.3   | 1.4   | 3.4   | 5.8   | 8.2   | 11.6  | 14.3  |
| 80°   | 0.3   | 0.0   | 0.0   | 0.0   | 0.0   | 1.0   | 3.1   | 5.1   | 7.5   | 10.2  | 12.6  |
| 82.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.3   | 2.4   | 4.4   | 6.5   | 8.5   | 10.2  |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.4   | 3.4   | 5.1   | 6.5   | 7.1   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.7   | 3.4   | 4.1   | 4.8   |
| 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°    | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9 | 148.9  | 148.9  | 148.9  |
| 2.5°  | 139.0 | 141.0 | 141.0 | 142.4 | 144.1 | 147.2 | 148.9 | 151.2 | 152.9  | 154.6  | 155.3  |
| 5°    | 128.5 | 128.8 | 129.1 | 129.8 | 131.9 | 135.3 | 138.3 | 142.1 | 146.5  | 149.9  | 151.9  |
| 7.5°  | 119.6 | 119.6 | 119.6 | 120.6 | 122.7 | 125.1 | 128.1 | 133.2 | 138.3  | 142.4  | 145.8  |
| 10°   | 112.2 | 113.2 | 113.5 | 115.2 | 117.6 | 120.6 | 124.0 | 128.5 | 134.2  | 139.7  | 145.8  |
| 12.5° | 107.4 | 108.4 | 110.1 | 111.8 | 114.2 | 117.6 | 121.3 | 127.1 | 139.0  | 150.2  | 163.1  |
| 15°   | 103.0 | 104.3 | 106.4 | 108.8 | 111.5 | 115.2 | 119.3 | 131.2 | 159.1  | 180.1  | 200.5  |
| 17.5° | 98.2  | 100.3 | 103.0 | 105.4 | 108.8 | 112.8 | 117.9 | 141.0 | 195.8  | 230.8  | 265.4  |
| 20°   | 92.1  | 94.8  | 97.9  | 101.6 | 105.7 | 110.5 | 117.9 | 161.4 | 248.8  | 299.1  | 345.0  |
| 22.5° | 86.3  | 89.0  | 92.8  | 97.5  | 102.3 | 107.1 | 119.6 | 192.4 | 317.1  | 380.6  | 438.8  |
| 25°   | 81.6  | 85.0  | 88.7  | 92.8  | 98.2  | 103.7 | 123.7 | 235.9 | 399.3  | 481.2  | 522.4  |
| 27.5° | 77.1  | 81.2  | 85.0  | 88.4  | 93.1  | 99.2  | 132.9 | 294.0 | 496.5  | 579.8  | 612.1  |
| 30°   | 72.7  | 77.5  | 81.2  | 84.6  | 89.4  | 95.8  | 146.8 | 368.1 | 604.6  | 685.5  | 688.9  |
| 32.5° | 69.0  | 73.4  | 77.8  | 81.2  | 85.6  | 93.1  | 166.2 | 454.7 | 715.4  | 793.6  | 761.6  |
| 35°   | 64.9  | 70.0  | 74.1  | 77.8  | 82.6  | 90.7  | 188.6 | 548.2 | 827.2  | 892.8  | 834.0  |
| 37.5° | 60.8  | 66.6  | 71.7  | 74.4  | 79.2  | 88.4  | 204.9 | 645.7 | 941.4  | 989.7  | 897.6  |
| 40°   | 57.1  | 63.6  | 69.3  | 72.0  | 74.4  | 85.3  | 207.3 | 745.6 | 1057.3 | 1085.2 | 957.4  |
| 42.5° | 53.0  | 60.2  | 65.3  | 69.0  | 71.0  | 83.3  | 193.0 | 829.9 | 1154.5 | 1180.3 | 1035.5 |
| 45°   | 48.6  | 57.1  | 61.2  | 63.9  | 68.0  | 84.6  | 174.7 | 895.2 | 1265.6 | 1310.2 | 1164.4 |
| 47.5° | 44.2  | 53.7  | 57.1  | 59.1  | 64.6  | 92.8  | 167.9 | 938.7 | 1448.8 | 1541.3 | 1381.5 |
| 50°   | 40.1  | 50.6  | 54.4  | 54.0  | 63.9  | 103.3 | 175.4 | 971.7 | 1724.1 | 1832.9 | 1679.2 |
| 52.5° | 35.7  | 47.2  | 51.7  | 50.3  | 69.0  | 111.5 | 190.3 | 997.8 | 1935.8 | 2174.8 | 2079.3 |
| 55°   | 31.9  | 43.5  | 47.6  | 47.2  | 78.5  | 117.6 | 201.9 | 859.8 | 2023.5 | 2492.5 | 2529.9 |
| 57.5° | 29.2  | 39.4  | 42.8  | 48.6  | 84.6  | 117.6 | 233.5 | 610.4 | 2025.2 | 2726.3 | 3128.1 |
| 60°   | 26.8  | 35.7  | 38.1  | 53.4  | 82.2  | 111.5 | 231.1 | 373.8 | 1866.5 | 2710.4 | 3446.2 |
| 62.5° | 24.8  | 32.3  | 35.3  | 54.7  | 72.7  | 110.5 | 208.7 | 231.8 | 1591.9 | 2504.1 | 3215.4 |
| 65°   | 23.1  | 29.6  | 34.0  | 50.3  | 65.9  | 118.3 | 140.7 | 166.5 | 1291.1 | 2268.9 | 2950.6 |
| 67.5° | 21.4  | 27.2  | 36.0  | 41.1  | 59.8  | 105.7 | 101.6 | 118.3 | 1013.5 | 2010.9 | 2707.7 |
| 70°   | 20.1  | 25.8  | 38.1  | 33.6  | 52.3  | 82.6  | 72.0  | 89.7  | 775.9  | 1677.9 | 2365.4 |
| 72.5° | 19.0  | 24.1  | 31.9  | 26.5  | 42.5  | 63.9  | 50.3  | 65.3  | 507.1  | 1309.8 | 1928.4 |
| 75°   | 18.0  | 22.1  | 23.5  | 21.4  | 31.6  | 41.8  | 38.1  | 43.8  | 302.1  | 957.4  | 1463.1 |
| 77.5° | 17.7  | 20.7  | 19.0  | 17.3  | 21.4  | 24.8  | 28.9  | 29.6  | 147.5  | 478.9  | 766.7  |
| 80°   | 15.6  | 18.7  | 16.3  | 14.3  | 14.6  | 16.3  | 21.4  | 19.7  | 33.6   | 121.7  | 204.6  |
| 82.5° | 12.2  | 14.6  | 13.6  | 11.9  | 11.9  | 11.9  | 14.3  | 13.3  | 10.9   | 54.7   | 92.4   |
| 85°   | 8.5   | 10.2  | 10.2  | 9.5   | 9.2   | 9.2   | 8.8   | 8.5   | 3.1    | 3.4    | 5.1    |
| 87.5° | 5.8   | 7.1   | 7.5   | 7.1   | 6.1   | 5.4   | 4.8   | 4.1   | 1.4    | 0.0    | 0.7    |
| 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: P629793

CATALOG NUMBER: GWS-SA1C-735-U-SLL-W-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 358°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 148.9  | 148.9  | 148.9  | 148.9  | 148.9  | 148.9  | 148.9  | 148.9  | 148.9  | 148.9  |
| 2.5°  | 157.7  | 158.7  | 158.7  | 157.4  | 156.3  | 153.6  | 150.9  | 148.2  | 147.5  | 147.2  |
| 5°    | 157.7  | 161.8  | 163.8  | 163.5  | 161.1  | 156.7  | 150.9  | 144.8  | 143.1  | 142.4  |
| 7.5°  | 155.3  | 163.1  | 169.2  | 170.3  | 165.9  | 158.0  | 147.5  | 138.3  | 135.9  | 134.9  |
| 10°   | 160.8  | 176.0  | 188.3  | 190.0  | 184.9  | 169.6  | 152.6  | 137.0  | 133.2  | 130.8  |
| 12.5° | 190.0  | 215.1  | 230.1  | 237.2  | 227.4  | 208.0  | 179.8  | 151.9  | 143.4  | 139.7  |
| 15°   | 249.1  | 284.8  | 313.3  | 313.3  | 304.2  | 269.8  | 234.2  | 189.0  | 177.4  | 167.2  |
| 17.5° | 324.9  | 369.8  | 394.9  | 392.2  | 378.3  | 354.1  | 311.3  | 246.4  | 222.9  | 212.4  |
| 20°   | 411.2  | 438.1  | 443.9  | 442.2  | 436.0  | 422.1  | 392.5  | 322.9  | 291.3  | 274.9  |
| 22.5° | 486.0  | 478.9  | 470.4  | 463.6  | 461.9  | 465.9  | 461.9  | 408.2  | 383.4  | 354.5  |
| 25°   | 536.6  | 496.2  | 470.7  | 458.5  | 464.2  | 487.7  | 513.2  | 493.1  | 473.4  | 443.5  |
| 27.5° | 564.2  | 494.2  | 457.4  | 444.9  | 454.7  | 488.0  | 543.4  | 577.4  | 557.0  | 542.8  |
| 30°   | 579.1  | 492.5  | 449.0  | 436.7  | 451.7  | 493.5  | 564.5  | 656.3  | 656.9  | 634.2  |
| 32.5° | 600.5  | 503.3  | 450.7  | 439.4  | 459.5  | 509.8  | 591.0  | 736.5  | 756.2  | 743.9  |
| 35°   | 624.7  | 520.0  | 458.5  | 448.3  | 473.1  | 531.5  | 620.6  | 817.4  | 858.5  | 854.4  |
| 37.5° | 647.4  | 538.7  | 476.8  | 467.0  | 493.8  | 550.2  | 649.1  | 896.9  | 954.0  | 968.3  |
| 40°   | 671.2  | 564.8  | 533.2  | 542.8  | 557.7  | 579.8  | 674.6  | 965.9  | 1059.0 | 1080.4 |
| 42.5° | 727.3  | 655.6  | 703.8  | 721.9  | 723.9  | 678.4  | 730.4  | 1054.2 | 1162.3 | 1187.8 |
| 45°   | 852.4  | 817.0  | 955.3  | 980.8  | 967.6  | 829.6  | 864.6  | 1181.7 | 1306.8 | 1319.7 |
| 47.5° | 1010.4 | 1026.7 | 1299.6 | 1387.6 | 1308.1 | 1008.0 | 1027.4 | 1449.8 | 1571.2 | 1566.4 |
| 50°   | 1194.6 | 1271.7 | 1690.5 | 1898.1 | 1707.8 | 1239.8 | 1215.0 | 1779.5 | 1926.7 | 1912.0 |
| 52.5° | 1412.5 | 1556.6 | 2160.1 | 2455.1 | 2275.0 | 1500.5 | 1490.3 | 2216.2 | 2305.9 | 2259.4 |
| 55°   | 1686.7 | 1831.5 | 2700.5 | 3112.8 | 2856.5 | 1818.6 | 1853.6 | 2722.6 | 2739.9 | 2592.1 |
| 57.5° | 2095.9 | 2190.0 | 3337.4 | 3866.9 | 3463.5 | 2250.9 | 2504.8 | 3396.5 | 3189.2 | 2909.2 |
| 60°   | 2838.8 | 2651.2 | 3952.9 | 4638.4 | 4109.2 | 2858.9 | 3363.6 | 3795.9 | 3338.8 | 2952.7 |
| 62.5° | 3097.5 | 3042.8 | 4338.3 | 4964.6 | 4543.6 | 3358.1 | 3586.9 | 3569.5 | 3145.0 | 2788.2 |
| 65°   | 2705.6 | 2945.2 | 4269.3 | 4792.3 | 4487.8 | 3275.9 | 3218.8 | 3319.7 | 2926.9 | 2538.4 |
| 67.5° | 2499.3 | 2716.1 | 4007.9 | 4316.9 | 4178.9 | 2996.9 | 2869.1 | 2841.6 | 2457.2 | 2147.9 |
| 70°   | 2291.3 | 2506.1 | 3629.0 | 3667.4 | 3603.2 | 2542.1 | 2374.2 | 2189.7 | 1836.6 | 1567.8 |
| 72.5° | 2041.2 | 2159.5 | 3103.2 | 2921.1 | 2848.4 | 1996.7 | 1961.3 | 1649.0 | 1376.8 | 1146.0 |
| 75°   | 1780.2 | 1745.9 | 2419.5 | 2004.8 | 2059.2 | 1553.5 | 1656.5 | 1210.9 | 1008.7 | 824.8  |
| 77.5° | 1294.9 | 1269.4 | 1620.4 | 1217.7 | 1348.6 | 1017.5 | 914.2  | 483.3  | 460.2  | 397.0  |
| 80°   | 722.5  | 871.1  | 875.1  | 682.4  | 851.3  | 663.4  | 228.7  | 16.0   | 10.2   | 15.0   |
| 82.5° | 335.8  | 374.5  | 474.4  | 316.4  | 485.7  | 328.6  | 47.2   | 0.0    | 0.0    | 0.0    |
| 85°   | 108.8  | 159.1  | 133.2  | 46.6   | 117.6  | 111.1  | 7.8    | 0.0    | 0.0    | 0.0    |
| 87.5° | 6.5    | 13.3   | 3.4    | 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    |

(END OF REPORT)