

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: P630613

Luminaire Tested: GWS-SA1E-722-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-722-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

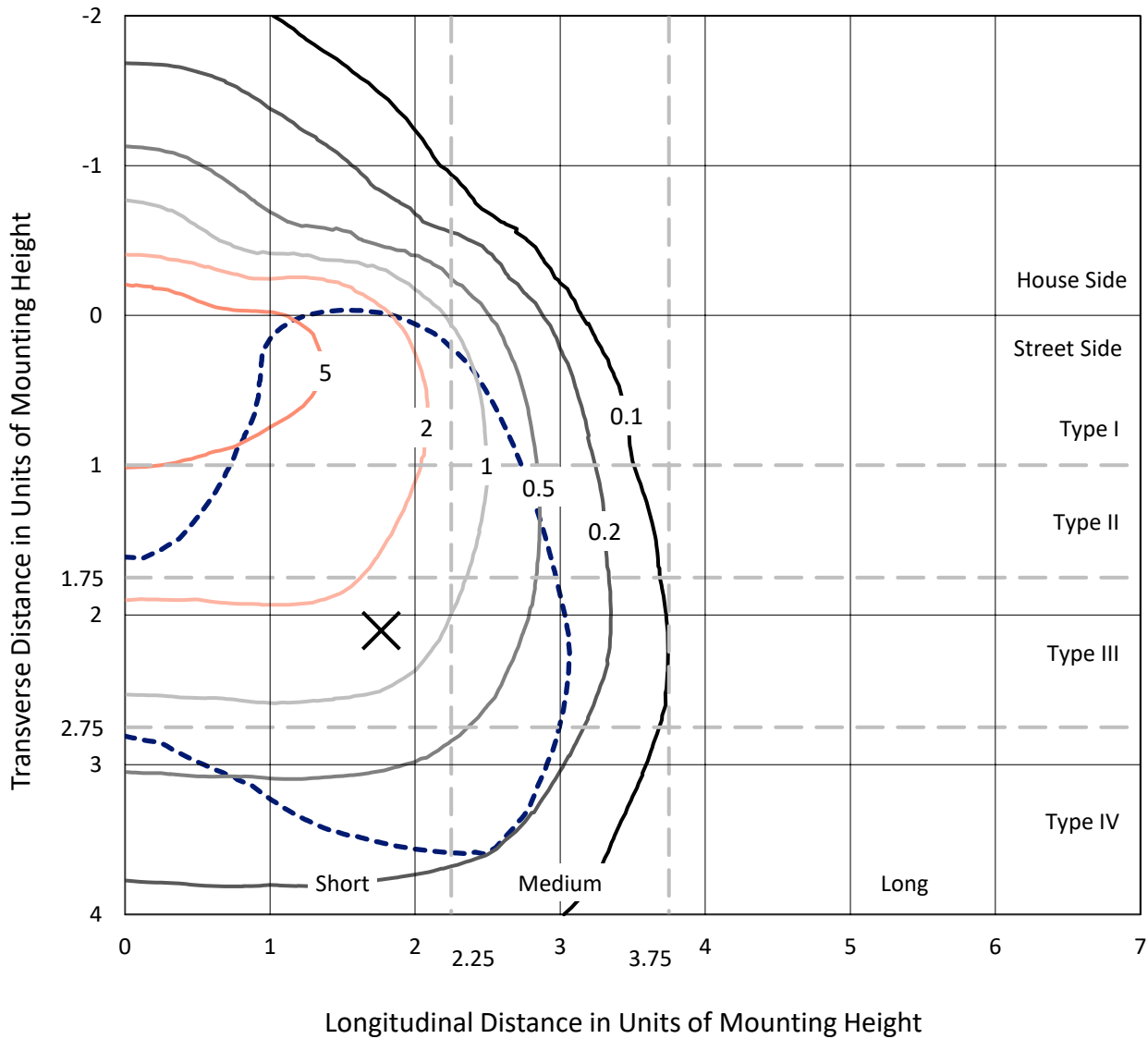
Lumens per Lamp: N/A  
Luminaire Lumens: 5360.5 lumens  
Efficiency: N/A  
Efficacy: 91.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

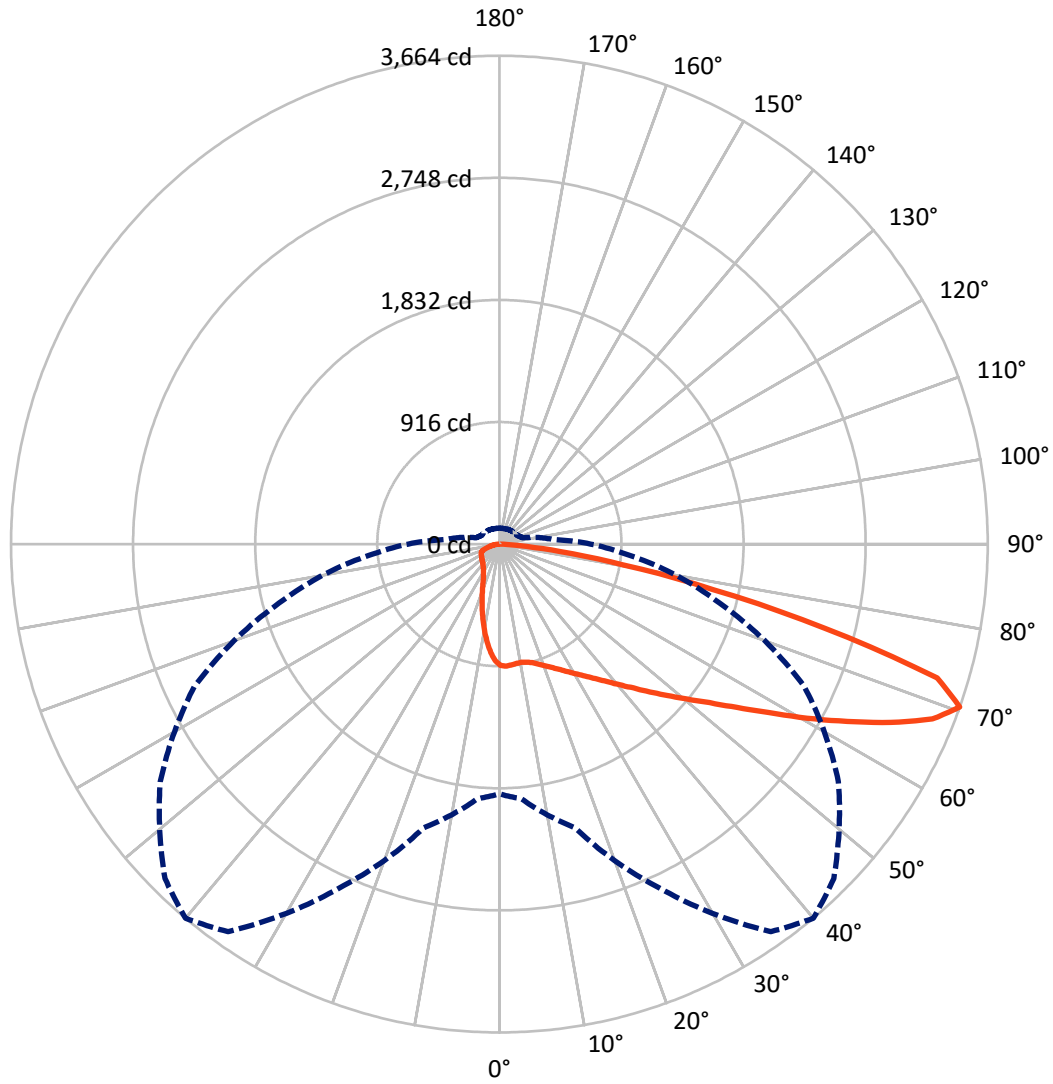
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.1 fc  
 Type IV - Short - N/A

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CATALOG NUMBER: GWS-SA1E-722-U-SL4-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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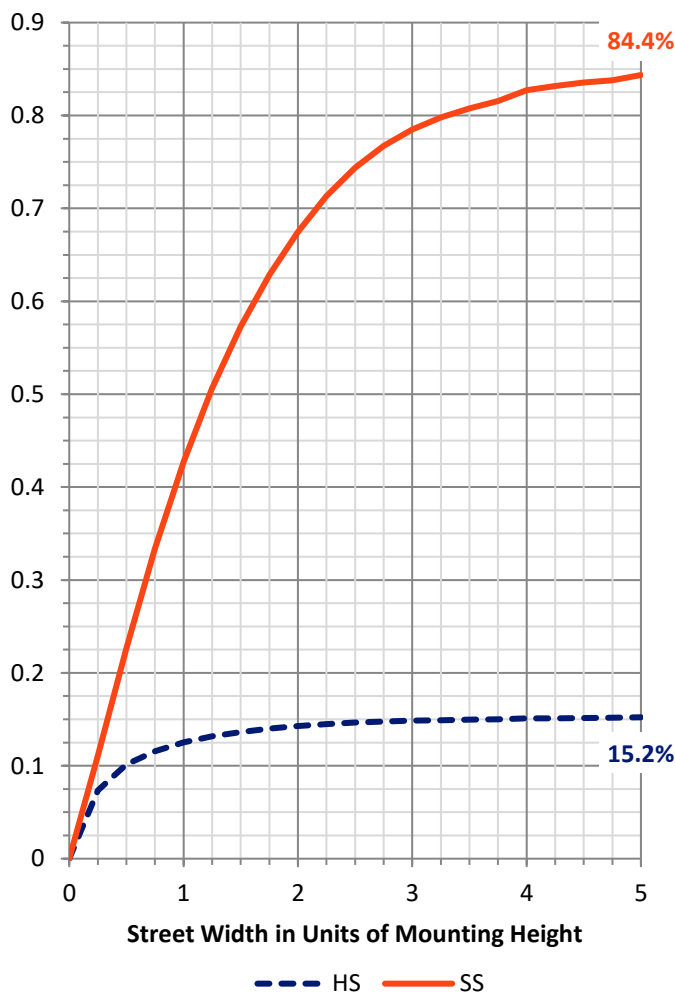
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 825.6    | 0.0    | 825.6  |
|                    | % Fixture | 15.4     | 0.0    | 15.4   |
| <b>Street Side</b> | Lumens    | 4534.8   | 0.0    | 4534.8 |
|                    | % Fixture | 84.6     | 0.0    | 84.6   |
| <b>Total</b>       | Lumens    | 5360.5   | 0.0    | 5360.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 80.4   | 1.5       |
| 10°-20°   | 209.6  | 3.9       |
| 20°-30°   | 329.1  | 6.1       |
| 30°-40°   | 494.9  | 9.2       |
| 40°-50°   | 763.8  | 14.2      |
| 50°-60°   | 1134.3 | 21.2      |
| 60°-70°   | 1429.8 | 26.7      |
| 70°-80°   | 826.8  | 15.4      |
| 80°-90°   | 91.8   | 1.7       |
| 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°    | 5360.5 | 100.0     |
| 0°-180°   | 5360.5 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P630613

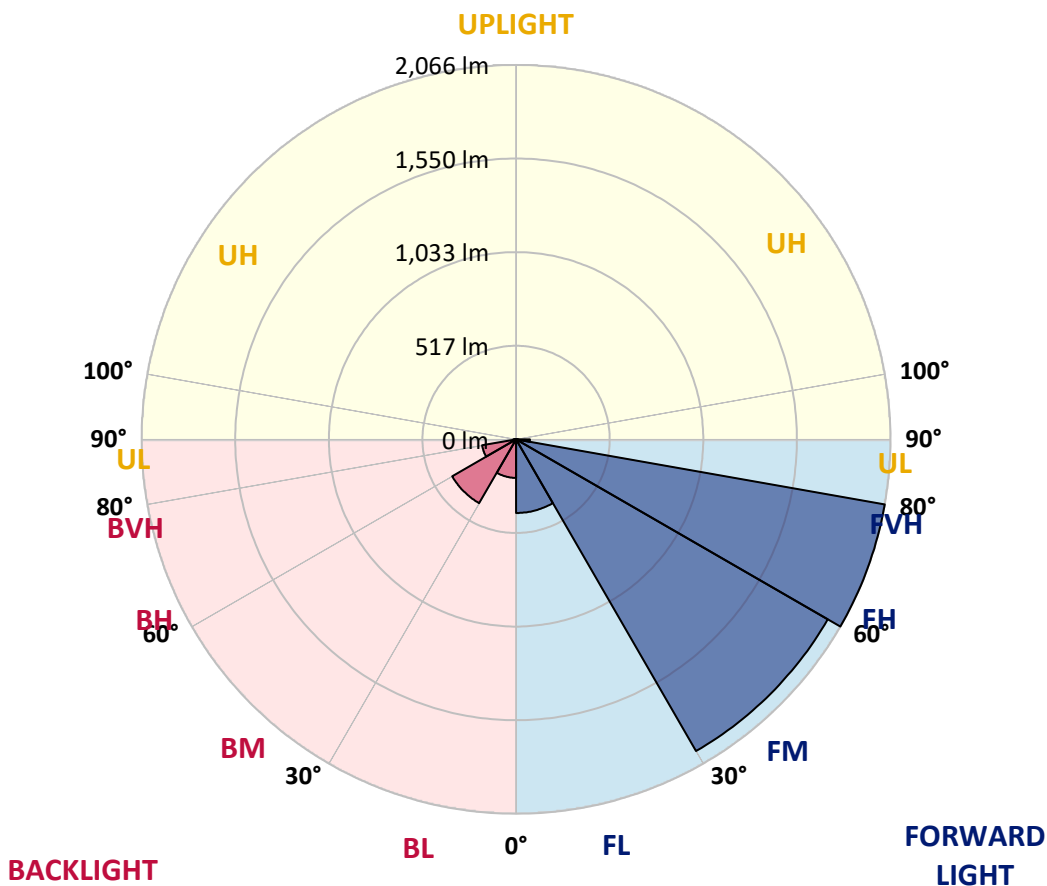
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 406.4  | 7.6       |                         |      |         |
| FM (30°-60°)   | 1986.0 | 37.0      |                         |      |         |
| FH (60°-80°)   | 2066.1 | 38.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 76.4   | 1.4       |                         |      | G1/100  |
| BL (0°-30°)    | 212.8  | 4.0       | B1/500                  |      |         |
| BM (30°-60°)   | 407.0  | 7.6       | B1/1000                 |      |         |
| BH (60°-80°)   | 190.5  | 3.6       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 15.3   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short





REPORT NUMBER: P630613  
 CATALOG NUMBER: GWS-SA1E-722-U-SL4-W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 40°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  | 910.3  |
| 2.5°  | 915.9  | 917.5  | 918.7  | 920.3  | 919.5  | 917.1  | 919.1  | 919.1  | 914.7  | 909.9  | 905.5  |
| 5°    | 917.1  | 919.1  | 918.7  | 918.3  | 915.1  | 911.1  | 911.1  | 908.7  | 901.1  | 893.5  | 886.3  |
| 7.5°  | 914.7  | 914.3  | 913.9  | 912.7  | 909.1  | 904.7  | 903.9  | 899.1  | 889.1  | 878.7  | 868.3  |
| 10°   | 903.9  | 903.5  | 904.7  | 907.5  | 906.7  | 902.7  | 902.7  | 898.3  | 886.7  | 873.9  | 860.3  |
| 12.5° | 895.1  | 895.1  | 899.9  | 907.5  | 910.3  | 908.7  | 909.1  | 905.9  | 892.7  | 877.5  | 861.5  |
| 15°   | 896.3  | 896.7  | 907.1  | 919.5  | 924.7  | 923.5  | 923.9  | 920.3  | 905.5  | 890.3  | 868.7  |
| 17.5° | 904.3  | 906.3  | 924.3  | 941.5  | 948.3  | 946.7  | 943.9  | 937.9  | 921.1  | 903.9  | 877.5  |
| 20°   | 921.1  | 924.3  | 947.5  | 969.1  | 977.1  | 973.5  | 968.7  | 956.7  | 938.3  | 919.5  | 887.1  |
| 22.5° | 954.3  | 956.3  | 981.9  | 1003.1 | 1009.5 | 1005.1 | 995.5  | 978.3  | 957.1  | 937.5  | 898.7  |
| 25°   | 1001.1 | 1003.5 | 1027.9 | 1047.5 | 1045.9 | 1040.7 | 1027.5 | 1006.3 | 981.1  | 960.3  | 915.5  |
| 27.5° | 1056.7 | 1060.7 | 1084.7 | 1100.3 | 1089.9 | 1082.3 | 1067.5 | 1041.9 | 1013.5 | 994.7  | 941.1  |
| 30°   | 1117.5 | 1119.1 | 1139.5 | 1155.1 | 1139.1 | 1128.7 | 1110.7 | 1083.1 | 1057.5 | 1043.5 | 979.5  |
| 32.5° | 1176.4 | 1178.0 | 1195.6 | 1204.4 | 1187.6 | 1180.0 | 1164.4 | 1135.1 | 1117.1 | 1109.5 | 1036.7 |
| 35°   | 1238.4 | 1238.0 | 1252.4 | 1260.0 | 1242.8 | 1239.6 | 1223.6 | 1201.2 | 1198.0 | 1208.0 | 1120.3 |
| 37.5° | 1300.4 | 1296.8 | 1304.4 | 1314.4 | 1304.8 | 1308.0 | 1297.6 | 1290.0 | 1302.4 | 1328.4 | 1231.6 |
| 40°   | 1350.0 | 1350.0 | 1358.0 | 1370.4 | 1373.6 | 1387.6 | 1381.6 | 1391.6 | 1431.6 | 1493.7 | 1369.2 |
| 42.5° | 1394.0 | 1394.4 | 1411.2 | 1430.4 | 1453.6 | 1475.2 | 1480.0 | 1506.1 | 1588.9 | 1686.1 | 1542.1 |
| 45°   | 1440.0 | 1440.4 | 1463.2 | 1491.2 | 1540.5 | 1581.7 | 1591.3 | 1649.7 | 1768.1 | 1886.6 | 1729.7 |
| 47.5° | 1493.3 | 1488.8 | 1520.5 | 1567.3 | 1637.3 | 1696.5 | 1721.3 | 1804.1 | 1953.8 | 2099.4 | 1906.6 |
| 50°   | 1553.3 | 1544.1 | 1579.3 | 1660.1 | 1746.5 | 1827.8 | 1869.4 | 1964.2 | 2153.0 | 2295.9 | 2073.0 |
| 52.5° | 1620.9 | 1615.7 | 1652.5 | 1750.9 | 1883.0 | 1976.6 | 2033.0 | 2157.5 | 2346.7 | 2491.6 | 2205.1 |
| 55°   | 1704.9 | 1692.5 | 1745.7 | 1871.0 | 2043.0 | 2162.3 | 2229.1 | 2348.7 | 2558.4 | 2669.2 | 2305.9 |
| 57.5° | 1796.9 | 1783.3 | 1854.6 | 2021.0 | 2251.1 | 2381.9 | 2465.5 | 2564.0 | 2757.6 | 2805.2 | 2365.1 |
| 60°   | 1896.2 | 1891.8 | 1976.2 | 2197.1 | 2499.2 | 2651.2 | 2711.6 | 2800.8 | 2930.9 | 2884.1 | 2350.3 |
| 62.5° | 1987.0 | 1985.4 | 2108.2 | 2387.9 | 2762.0 | 2929.3 | 2977.3 | 3000.9 | 3055.7 | 2878.9 | 2232.7 |
| 65°   | 2082.6 | 2096.2 | 2262.3 | 2609.2 | 3063.3 | 3227.4 | 3247.4 | 3187.4 | 3097.7 | 2742.4 | 1991.8 |
| 67.5° | 2094.6 | 2121.0 | 2359.1 | 2816.4 | 3349.0 | 3503.9 | 3487.9 | 3258.2 | 2973.7 | 2362.7 | 1561.3 |
| 70°   | 1873.4 | 1919.4 | 2204.7 | 2848.1 | 3550.3 | 3664.3 | 3548.7 | 3105.7 | 2523.6 | 1711.7 | 981.9  |
| 72.5° | 1565.3 | 1604.9 | 1857.0 | 2428.7 | 3290.6 | 3435.8 | 3279.4 | 2628.8 | 1783.3 | 981.9  | 500.2  |
| 75°   | 1218.4 | 1264.4 | 1496.9 | 1930.6 | 2463.5 | 2521.6 | 2443.1 | 1833.4 | 980.3  | 404.9  | 227.3  |
| 77.5° | 743.4  | 776.6  | 957.5  | 1308.0 | 1723.7 | 1636.9 | 1387.2 | 1027.9 | 430.1  | 194.1  | 140.4  |
| 80°   | 328.9  | 349.3  | 471.7  | 702.6  | 995.9  | 941.5  | 742.2  | 438.9  | 235.3  | 123.2  | 98.0   |
| 82.5° | 176.5  | 189.7  | 232.5  | 278.1  | 437.3  | 457.3  | 370.9  | 252.9  | 126.4  | 70.4   | 56.0   |
| 85°   | 77.6   | 85.2   | 105.6  | 100.8  | 143.6  | 141.2  | 142.4  | 173.7  | 60.4   | 32.4   | 36.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.4    | 0.4    | 4.4    | 23.2   | 6.0    | 9.6    | 8.4    |
| 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: GWS-SA1E-722-U-SL4-W

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 910.3  | 910.3  | 910.3 | 910.3 | 910.3 | 910.3 | 910.3 | 910.3 | 910.3 | 910.3 | 910.3 |
| 2.5°  | 900.7  | 893.5  | 891.5 | 889.1 | 884.7 | 877.1 | 871.5 | 865.1 | 862.3 | 859.1 | 859.5 |
| 5°    | 878.3  | 869.5  | 861.1 | 850.3 | 836.7 | 821.4 | 811.0 | 799.0 | 792.6 | 786.6 | 788.2 |
| 7.5°  | 859.1  | 845.5  | 828.2 | 805.4 | 781.0 | 753.8 | 731.8 | 714.6 | 703.0 | 695.0 | 699.0 |
| 10°   | 847.1  | 831.1  | 801.0 | 763.8 | 722.6 | 681.0 | 649.4 | 619.8 | 601.4 | 587.0 | 586.2 |
| 12.5° | 844.7  | 823.8  | 780.2 | 726.2 | 666.6 | 611.0 | 564.6 | 524.6 | 500.2 | 482.1 | 488.9 |
| 15°   | 847.1  | 820.6  | 762.2 | 691.4 | 616.2 | 541.0 | 483.3 | 437.3 | 408.1 | 391.7 | 390.5 |
| 17.5° | 849.9  | 817.4  | 741.8 | 653.8 | 563.4 | 477.3 | 410.5 | 361.7 | 331.7 | 315.3 | 315.7 |
| 20°   | 852.3  | 812.6  | 717.8 | 612.6 | 509.8 | 418.1 | 348.9 | 302.5 | 275.7 | 263.7 | 265.7 |
| 22.5° | 856.3  | 807.8  | 692.2 | 568.6 | 454.9 | 360.9 | 300.1 | 262.5 | 246.5 | 238.5 | 238.9 |
| 25°   | 863.9  | 805.0  | 665.8 | 520.6 | 400.9 | 315.3 | 266.5 | 241.3 | 231.3 | 226.5 | 226.1 |
| 27.5° | 879.5  | 807.4  | 638.2 | 474.1 | 352.1 | 280.5 | 244.9 | 228.5 | 221.7 | 218.5 | 218.1 |
| 30°   | 905.5  | 817.0  | 614.2 | 426.9 | 310.1 | 253.3 | 230.1 | 220.1 | 216.1 | 213.3 | 212.9 |
| 32.5° | 945.1  | 835.1  | 588.2 | 382.9 | 276.1 | 233.3 | 218.5 | 213.3 | 210.5 | 208.9 | 208.9 |
| 35°   | 1005.1 | 867.9  | 562.6 | 344.5 | 249.7 | 217.7 | 209.3 | 207.3 | 204.9 | 204.1 | 204.9 |
| 37.5° | 1091.5 | 920.3  | 539.4 | 310.9 | 230.9 | 205.7 | 199.3 | 200.1 | 198.1 | 199.3 | 200.5 |
| 40°   | 1201.2 | 990.3  | 519.8 | 283.3 | 216.9 | 196.9 | 190.5 | 193.3 | 192.1 | 193.3 | 195.3 |
| 42.5° | 1340.0 | 1077.1 | 505.0 | 261.7 | 206.9 | 189.7 | 183.7 | 186.5 | 185.7 | 187.3 | 189.3 |
| 45°   | 1494.9 | 1191.6 | 498.2 | 246.5 | 199.7 | 184.5 | 178.1 | 180.1 | 179.3 | 180.5 | 182.5 |
| 47.5° | 1643.3 | 1295.6 | 504.2 | 237.7 | 193.7 | 180.1 | 173.3 | 174.1 | 173.7 | 173.3 | 174.5 |
| 50°   | 1771.3 | 1378.4 | 521.4 | 234.9 | 189.7 | 175.7 | 169.3 | 169.7 | 168.5 | 166.1 | 166.9 |
| 52.5° | 1875.8 | 1444.8 | 531.8 | 234.9 | 187.7 | 170.9 | 164.8 | 165.2 | 162.8 | 159.6 | 160.0 |
| 55°   | 1944.6 | 1471.6 | 523.4 | 234.5 | 186.9 | 166.9 | 160.4 | 160.8 | 158.4 | 154.4 | 154.8 |
| 57.5° | 1964.2 | 1445.6 | 488.1 | 230.1 | 186.1 | 163.6 | 156.0 | 156.8 | 155.2 | 150.8 | 150.8 |
| 60°   | 1909.4 | 1350.4 | 423.7 | 220.1 | 184.1 | 161.6 | 152.8 | 154.0 | 153.2 | 148.8 | 148.8 |
| 62.5° | 1765.7 | 1181.2 | 346.9 | 204.9 | 178.5 | 159.2 | 150.0 | 152.4 | 154.4 | 152.0 | 151.6 |
| 65°   | 1496.9 | 946.3  | 282.1 | 188.1 | 171.3 | 155.2 | 146.0 | 152.0 | 156.4 | 159.6 | 159.6 |
| 67.5° | 1123.1 | 677.4  | 230.1 | 170.5 | 160.4 | 147.2 | 140.8 | 146.4 | 149.6 | 151.6 | 152.8 |
| 70°   | 684.6  | 398.5  | 181.3 | 150.0 | 144.8 | 135.2 | 130.4 | 124.8 | 120.4 | 119.6 | 120.0 |
| 72.5° | 334.9  | 228.1  | 147.2 | 127.6 | 123.6 | 114.8 | 104.0 | 101.6 | 99.6  | 98.4  | 98.0  |
| 75°   | 184.5  | 158.8  | 121.6 | 106.0 | 98.8  | 88.0  | 85.6  | 81.6  | 80.8  | 79.2  | 79.6  |
| 77.5° | 130.4  | 125.2  | 100.4 | 86.0  | 75.2  | 69.6  | 70.8  | 68.0  | 68.0  | 66.8  | 66.4  |
| 80°   | 98.0   | 98.4   | 77.2  | 62.8  | 55.6  | 53.6  | 54.8  | 54.8  | 54.0  | 53.6  | 53.2  |
| 82.5° | 62.0   | 70.0   | 52.0  | 40.4  | 39.6  | 40.0  | 39.6  | 39.2  | 40.0  | 38.8  | 38.4  |
| 85°   | 42.8   | 50.4   | 31.6  | 24.0  | 24.0  | 23.6  | 24.4  | 24.0  | 24.8  | 23.6  | 23.6  |
| 87.5° | 9.6    | 22.4   | 11.6  | 7.2   | 7.6   | 7.2   | 7.6   | 8.0   | 8.8   | 9.2   | 9.2   |
| 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)