

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: P636775

Luminaire Tested: GWS-SA4B-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636775  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA4B-740-U-SLL-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (64) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

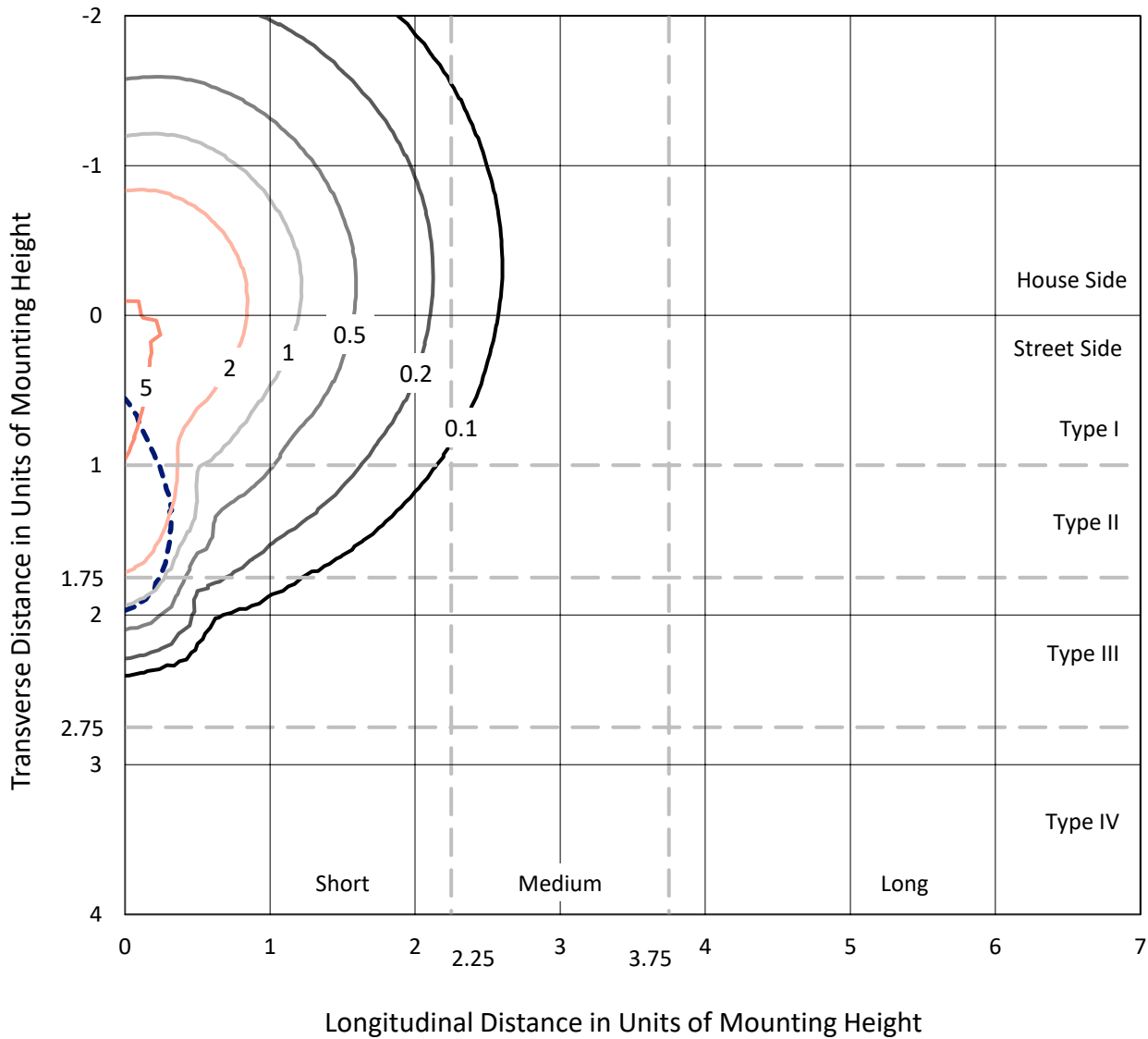
Lumens per Lamp: N/A  
Luminaire Lumens: 11266.5 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 94.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

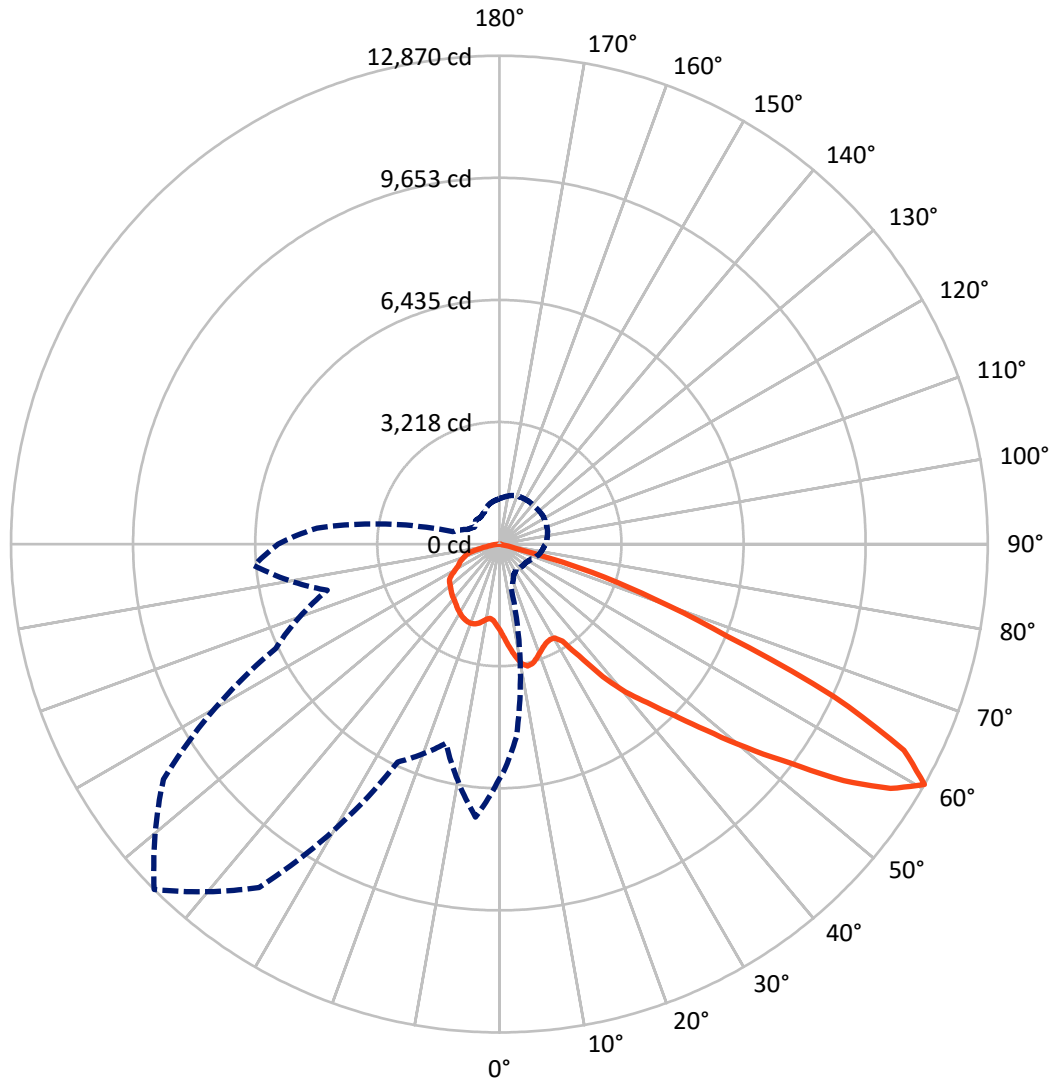
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 60-Deg Vertical

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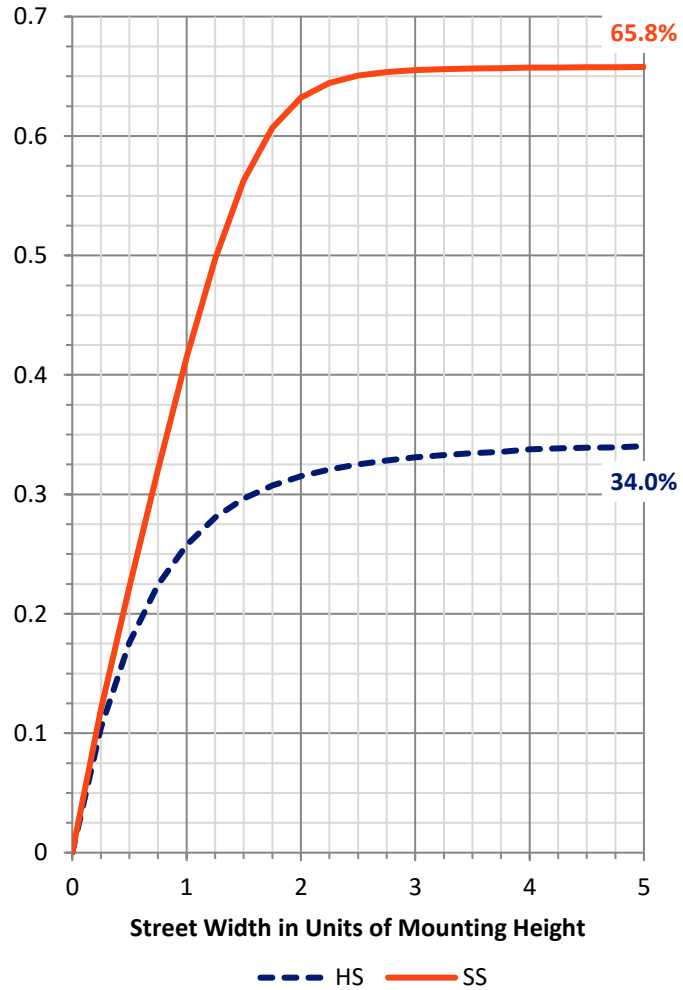
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3854.2   | 0.0    | 3854.2  |
|                    | % Fixture | 34.2     | 0.0    | 34.2    |
| <b>Street Side</b> | Lumens    | 7412.3   | 0.0    | 7412.3  |
|                    | % Fixture | 65.8     | 0.0    | 65.8    |
| <b>Total</b>       | Lumens    | 11266.5  | 0.0    | 11266.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 222.0   | 2.0       |
| 10°-20°   | 712.1   | 6.3       |
| 20°-30°   | 1159.7  | 10.3      |
| 30°-40°   | 1629.1  | 14.5      |
| 40°-50°   | 2229.3  | 19.8      |
| 50°-60°   | 2860.1  | 25.4      |
| 60°-70°   | 1925.8  | 17.1      |
| 70°-80°   | 481.5   | 4.3       |
| 80°-90°   | 46.9    | 0.4       |
| 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°    | 11266.5 | 100.0     |
| 0°-180°   | 11266.5 | 100.0     |

**Coefficient of Utilization**



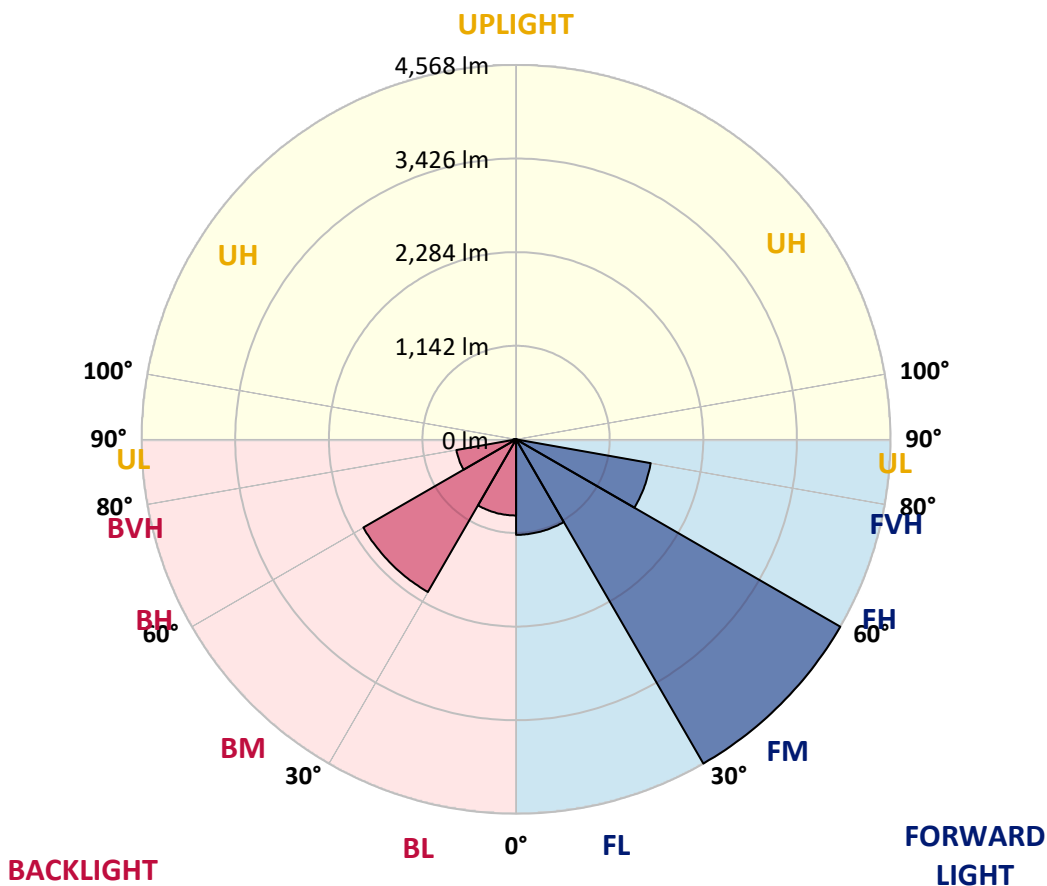
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1164.7 | 10.3      |                         |      |         |
| FM (30°-60°)   | 4567.5 | 40.5      |                         |      |         |
| FH (60°-80°)   | 1667.9 | 14.8      |                         |      | G1/1800 |
| FVH (80°-90°)  | 12.2   | 0.1       |                         |      | G1/100  |
| BL (0°-30°)    | 929.1  | 8.2       | B2/1000                 |      |         |
| BM (30°-60°)   | 2150.9 | 19.1      | B2/2500                 |      |         |
| BH (60°-80°)   | 739.4  | 6.6       | B2/1000                 |      | G2/1000 |
| BVH (80°-90°)  | 34.7   | 0.3       |                         |      | G1/100  |
| 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





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 1°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 |
| 2.5°  | 2404.1 | 2398.9 | 2393.7 | 2353.3 | 2342.9 | 2313.8 | 2293.1 | 2267.1 | 2229.8 | 2209.0 | 2191.4 |
| 5°    | 2554.6 | 2546.3 | 2518.2 | 2435.2 | 2381.3 | 2322.1 | 2273.4 | 2219.4 | 2162.3 | 2125.0 | 2095.9 |
| 7.5°  | 2696.7 | 2694.6 | 2646.9 | 2509.9 | 2422.8 | 2337.7 | 2271.3 | 2192.4 | 2110.5 | 2054.4 | 2017.1 |
| 10°   | 2828.5 | 2812.9 | 2755.9 | 2577.4 | 2463.3 | 2365.7 | 2294.1 | 2207.0 | 2111.5 | 2035.8 | 1986.0 |
| 12.5° | 2944.7 | 2925.0 | 2846.1 | 2639.6 | 2498.5 | 2378.2 | 2300.3 | 2228.8 | 2165.5 | 2102.2 | 2045.1 |
| 15°   | 3040.2 | 3016.3 | 2936.4 | 2697.7 | 2529.7 | 2370.9 | 2262.0 | 2205.9 | 2227.7 | 2255.7 | 2192.4 |
| 17.5° | 3129.4 | 3104.5 | 3007.0 | 2740.3 | 2539.0 | 2326.3 | 2167.5 | 2143.7 | 2253.7 | 2381.3 | 2352.2 |
| 20°   | 3204.1 | 3176.1 | 3063.0 | 2761.0 | 2522.4 | 2241.2 | 2045.1 | 2086.6 | 2231.9 | 2384.4 | 2431.1 |
| 22.5° | 3285.0 | 3262.2 | 3126.3 | 2791.1 | 2501.6 | 2124.0 | 1942.4 | 2044.1 | 2194.5 | 2328.4 | 2398.9 |
| 25°   | 3414.7 | 3386.7 | 3224.8 | 2844.0 | 2491.3 | 2014.0 | 1868.7 | 2002.6 | 2142.6 | 2264.0 | 2319.0 |
| 27.5° | 3602.5 | 3550.7 | 3359.7 | 2936.4 | 2502.7 | 1910.2 | 1822.0 | 1951.7 | 2082.5 | 2186.2 | 2230.8 |
| 30°   | 3806.9 | 3744.7 | 3509.1 | 3031.9 | 2519.3 | 1846.9 | 1797.1 | 1893.6 | 1990.1 | 2093.9 | 2142.6 |
| 32.5° | 4048.7 | 3993.7 | 3668.9 | 3103.4 | 2484.0 | 1817.9 | 1778.4 | 1830.3 | 1907.1 | 1990.1 | 2030.6 |
| 35°   | 4337.1 | 4238.6 | 3843.3 | 3161.6 | 2369.9 | 1775.3 | 1761.8 | 1760.8 | 1801.3 | 1882.2 | 1927.9 |
| 37.5° | 4647.4 | 4541.6 | 4058.0 | 3223.8 | 2192.4 | 1707.9 | 1722.4 | 1678.8 | 1716.2 | 1780.5 | 1832.4 |
| 40°   | 4901.6 | 4790.6 | 4274.9 | 3308.9 | 1970.4 | 1602.0 | 1635.2 | 1588.6 | 1611.4 | 1677.8 | 1735.9 |
| 42.5° | 5150.6 | 5032.3 | 4477.2 | 3405.4 | 1755.6 | 1498.3 | 1514.9 | 1497.2 | 1504.5 | 1574.0 | 1655.0 |
| 45°   | 5477.5 | 5344.7 | 4726.2 | 3473.9 | 1562.6 | 1416.3 | 1400.8 | 1370.7 | 1409.1 | 1499.3 | 1585.4 |
| 47.5° | 6023.2 | 5864.5 | 5134.0 | 3518.5 | 1422.5 | 1369.6 | 1298.0 | 1280.4 | 1328.1 | 1428.8 | 1518.0 |
| 50°   | 6661.4 | 6524.4 | 5785.6 | 3516.4 | 1317.7 | 1330.2 | 1198.4 | 1182.9 | 1261.7 | 1363.4 | 1457.8 |
| 52.5° | 7184.3 | 7045.3 | 6342.8 | 3412.7 | 1231.6 | 1246.2 | 1140.3 | 1096.7 | 1204.6 | 1299.1 | 1393.5 |
| 55°   | 7606.6 | 7449.9 | 6599.1 | 2978.9 | 1122.7 | 1112.3 | 1077.0 | 997.1  | 1133.1 | 1234.7 | 1322.9 |
| 57.5° | 7379.4 | 7192.6 | 6288.9 | 2265.1 | 1010.6 | 945.2  | 968.1  | 908.9  | 1035.5 | 1163.1 | 1248.2 |
| 60°   | 6187.2 | 6019.1 | 5109.1 | 1205.7 | 889.2  | 789.6  | 837.3  | 846.7  | 928.6  | 1077.0 | 1164.2 |
| 62.5° | 4250.0 | 4127.6 | 3462.5 | 731.5  | 701.4  | 634.0  | 708.7  | 776.1  | 837.3  | 962.9  | 1038.6 |
| 65°   | 2079.3 | 2043.0 | 1731.7 | 469.0  | 490.8  | 512.6  | 587.3  | 669.2  | 759.5  | 869.5  | 949.4  |
| 67.5° | 572.8  | 576.9  | 525.0  | 366.3  | 387.0  | 447.2  | 506.3  | 571.7  | 662.0  | 763.7  | 844.6  |
| 70°   | 252.1  | 256.3  | 264.6  | 282.2  | 321.7  | 376.6  | 437.9  | 505.3  | 588.3  | 673.4  | 751.2  |
| 72.5° | 175.4  | 179.5  | 192.0  | 214.8  | 250.1  | 301.9  | 360.0  | 424.4  | 510.5  | 582.1  | 646.4  |
| 75°   | 107.9  | 111.0  | 122.4  | 142.2  | 166.0  | 205.4  | 262.5  | 321.7  | 397.4  | 462.8  | 519.8  |
| 77.5° | 57.1   | 55.0   | 62.3   | 75.7   | 96.5   | 117.2  | 155.6  | 193.0  | 246.9  | 299.9  | 347.6  |
| 80°   | 31.1   | 30.1   | 34.2   | 41.5   | 47.7   | 64.3   | 90.3   | 115.2  | 146.3  | 176.4  | 202.3  |
| 82.5° | 13.5   | 12.5   | 13.5   | 17.6   | 21.8   | 31.1   | 45.7   | 63.3   | 80.9   | 101.7  | 118.3  |
| 85°   | 0.0    | 0.0    | 0.0    | 1.0    | 5.2    | 8.3    | 15.6   | 22.8   | 33.2   | 45.7   | 56.0   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.2    | 9.3    |
| 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°    | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 |
| 2.5°  | 2181.0 | 2155.1 | 2153.0 | 2132.3 | 2134.3 | 2135.4 | 2114.6 | 2106.3 | 2113.6 | 2121.9 | 2117.7 |
| 5°    | 2085.6 | 2058.6 | 2047.2 | 2027.5 | 2025.4 | 2016.0 | 2007.7 | 1997.4 | 2004.6 | 2011.9 | 2016.0 |
| 7.5°  | 2002.6 | 1984.9 | 1977.7 | 1972.5 | 1974.5 | 1970.4 | 1953.8 | 1944.5 | 1943.4 | 1946.5 | 1950.7 |
| 10°   | 1975.6 | 1961.1 | 1970.4 | 1984.9 | 1995.3 | 2002.6 | 1984.9 | 1969.4 | 1954.8 | 1948.6 | 1948.6 |
| 12.5° | 2033.7 | 2015.0 | 2033.7 | 2049.3 | 2070.0 | 2075.2 | 2055.5 | 2038.9 | 2033.7 | 2039.9 | 2052.4 |
| 15°   | 2162.3 | 2118.8 | 2117.7 | 2127.1 | 2143.7 | 2152.0 | 2133.3 | 2125.0 | 2125.0 | 2164.4 | 2195.6 |
| 17.5° | 2291.0 | 2219.4 | 2189.3 | 2184.1 | 2194.5 | 2197.6 | 2182.1 | 2174.8 | 2193.5 | 2270.3 | 2328.4 |
| 20°   | 2381.3 | 2294.1 | 2228.8 | 2216.3 | 2219.4 | 2220.5 | 2208.0 | 2202.8 | 2229.8 | 2323.2 | 2371.9 |
| 22.5° | 2371.9 | 2307.6 | 2227.7 | 2212.2 | 2217.3 | 2215.3 | 2203.9 | 2201.8 | 2223.6 | 2304.5 | 2327.3 |
| 25°   | 2307.6 | 2257.8 | 2190.4 | 2180.0 | 2188.3 | 2187.3 | 2175.8 | 2170.6 | 2180.0 | 2233.9 | 2236.0 |
| 27.5° | 2233.9 | 2190.4 | 2132.3 | 2129.1 | 2142.6 | 2149.9 | 2130.2 | 2114.6 | 2111.5 | 2147.8 | 2139.5 |
| 30°   | 2145.7 | 2113.6 | 2066.9 | 2069.0 | 2093.9 | 2098.0 | 2074.2 | 2051.3 | 2045.1 | 2064.8 | 2053.4 |
| 32.5° | 2040.9 | 2030.6 | 2005.7 | 2010.9 | 2034.7 | 2043.0 | 2018.1 | 1994.3 | 1987.0 | 1993.2 | 1969.4 |
| 35°   | 1951.7 | 1947.6 | 1949.6 | 1959.0 | 1979.7 | 1986.0 | 1965.2 | 1946.5 | 1936.2 | 1914.4 | 1883.2 |
| 37.5° | 1859.4 | 1870.8 | 1900.9 | 1918.5 | 1929.9 | 1927.9 | 1916.4 | 1902.9 | 1886.3 | 1845.9 | 1807.5 |
| 40°   | 1773.3 | 1802.3 | 1856.3 | 1876.0 | 1880.1 | 1881.2 | 1872.9 | 1861.4 | 1840.7 | 1786.7 | 1743.2 |
| 42.5° | 1706.8 | 1739.0 | 1810.6 | 1840.7 | 1842.8 | 1844.8 | 1836.5 | 1827.2 | 1798.2 | 1726.6 | 1684.0 |
| 45°   | 1637.3 | 1679.9 | 1763.9 | 1800.2 | 1798.2 | 1797.1 | 1789.9 | 1785.7 | 1751.5 | 1668.5 | 1621.8 |
| 47.5° | 1578.2 | 1628.0 | 1718.3 | 1749.4 | 1748.3 | 1747.3 | 1742.1 | 1742.1 | 1707.9 | 1617.6 | 1564.7 |
| 50°   | 1520.1 | 1577.1 | 1671.6 | 1697.5 | 1699.6 | 1697.5 | 1695.4 | 1698.5 | 1658.1 | 1561.6 | 1509.7 |
| 52.5° | 1456.8 | 1521.1 | 1619.7 | 1643.6 | 1656.0 | 1661.2 | 1661.2 | 1653.9 | 1606.2 | 1505.6 | 1448.5 |
| 55°   | 1387.3 | 1448.5 | 1562.6 | 1594.8 | 1605.2 | 1614.5 | 1614.5 | 1600.0 | 1555.4 | 1453.7 | 1392.5 |
| 57.5° | 1301.1 | 1355.1 | 1445.4 | 1477.5 | 1502.4 | 1508.7 | 1508.7 | 1484.8 | 1448.5 | 1350.9 | 1301.1 |
| 60°   | 1207.8 | 1254.5 | 1315.7 | 1349.9 | 1368.6 | 1356.1 | 1365.5 | 1359.2 | 1330.2 | 1239.9 | 1198.4 |
| 62.5° | 1083.2 | 1131.0 | 1198.4 | 1233.7 | 1242.0 | 1229.6 | 1242.0 | 1241.0 | 1201.5 | 1120.6 | 1070.8 |
| 65°   | 994.0  | 1040.7 | 1107.1 | 1152.8 | 1166.3 | 1163.1 | 1171.4 | 1159.0 | 1110.2 | 1033.4 | 985.7  |
| 67.5° | 888.2  | 938.0  | 1014.8 | 1065.6 | 1093.6 | 1096.7 | 1108.2 | 1082.2 | 1032.4 | 948.4  | 888.2  |
| 70°   | 787.5  | 830.1  | 889.2  | 936.9  | 976.4  | 996.1  | 998.2  | 960.8  | 898.6  | 829.0  | 785.5  |
| 72.5° | 681.7  | 725.3  | 796.9  | 848.8  | 898.6  | 921.4  | 921.4  | 875.7  | 808.3  | 731.5  | 684.8  |
| 75°   | 553.0  | 593.5  | 658.9  | 714.9  | 772.0  | 801.0  | 800.0  | 760.6  | 685.9  | 613.2  | 564.5  |
| 77.5° | 374.6  | 404.7  | 446.2  | 488.7  | 497.0  | 519.8  | 531.2  | 481.4  | 439.9  | 400.5  | 356.9  |
| 80°   | 217.9  | 236.6  | 259.4  | 283.3  | 288.5  | 295.7  | 277.0  | 258.4  | 236.6  | 210.6  | 190.9  |
| 82.5° | 127.6  | 140.1  | 151.5  | 170.2  | 173.3  | 175.4  | 158.8  | 150.5  | 132.8  | 117.2  | 104.8  |
| 85°   | 62.3   | 66.4   | 76.8   | 86.1   | 82.0   | 79.9   | 72.6   | 64.3   | 57.1   | 50.8   | 44.6   |
| 87.5° | 12.5   | 12.5   | 18.7   | 17.6   | 14.5   | 12.5   | 7.3    | 9.3    | 2.1    | 2.1    | 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°    | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 |
| 2.5°  | 2131.2 | 2148.9 | 2170.6 | 2199.7 | 2232.9 | 2268.2 | 2302.4 | 2328.4 | 2354.3 | 2392.7 | 2386.5 |
| 5°    | 2022.3 | 2052.4 | 2086.6 | 2131.2 | 2185.2 | 2246.4 | 2314.9 | 2383.4 | 2457.0 | 2519.3 | 2546.3 |
| 7.5°  | 1959.0 | 1992.2 | 2032.6 | 2090.8 | 2160.3 | 2235.0 | 2331.5 | 2442.5 | 2561.8 | 2643.8 | 2694.6 |
| 10°   | 1959.0 | 2001.5 | 2054.4 | 2110.5 | 2171.7 | 2248.5 | 2367.8 | 2506.8 | 2660.4 | 2768.3 | 2827.4 |
| 12.5° | 2072.1 | 2114.6 | 2126.0 | 2124.0 | 2158.2 | 2243.3 | 2396.8 | 2574.3 | 2757.9 | 2872.1 | 2944.7 |
| 15°   | 2248.5 | 2263.0 | 2176.9 | 2098.0 | 2103.2 | 2205.9 | 2410.3 | 2628.2 | 2842.0 | 2978.9 | 3057.8 |
| 17.5° | 2366.8 | 2328.4 | 2174.8 | 2036.8 | 2007.7 | 2142.6 | 2410.3 | 2680.1 | 2931.2 | 3085.8 | 3159.5 |
| 20°   | 2376.1 | 2280.6 | 2121.9 | 1977.7 | 1902.9 | 2058.6 | 2393.7 | 2719.5 | 3017.3 | 3188.5 | 3267.4 |
| 22.5° | 2294.1 | 2199.7 | 2065.9 | 1926.8 | 1816.8 | 1956.9 | 2366.8 | 2749.6 | 3091.0 | 3285.0 | 3382.6 |
| 25°   | 2200.7 | 2121.9 | 2008.8 | 1874.9 | 1757.7 | 1854.2 | 2341.9 | 2800.5 | 3193.7 | 3415.8 | 3514.3 |
| 27.5° | 2109.4 | 2043.0 | 1940.3 | 1831.4 | 1724.5 | 1764.9 | 2326.3 | 2875.2 | 3316.2 | 3601.5 | 3686.6 |
| 30°   | 2020.2 | 1960.0 | 1866.6 | 1789.9 | 1706.8 | 1706.8 | 2312.8 | 2961.3 | 3478.0 | 3810.0 | 3895.1 |
| 32.5° | 1929.9 | 1872.9 | 1797.1 | 1749.4 | 1696.5 | 1684.0 | 2275.4 | 3042.2 | 3645.1 | 4038.3 | 4125.5 |
| 35°   | 1845.9 | 1788.8 | 1730.7 | 1711.0 | 1691.3 | 1666.4 | 2183.1 | 3105.5 | 3808.0 | 4305.0 | 4379.7 |
| 37.5° | 1767.0 | 1712.0 | 1668.5 | 1663.3 | 1665.3 | 1618.6 | 2037.8 | 3158.4 | 4011.3 | 4577.9 | 4617.3 |
| 40°   | 1698.5 | 1637.3 | 1603.1 | 1602.0 | 1612.4 | 1541.9 | 1854.2 | 3234.2 | 4243.8 | 4809.3 | 4792.7 |
| 42.5° | 1637.3 | 1573.0 | 1531.5 | 1540.8 | 1534.6 | 1465.1 | 1674.7 | 3303.7 | 4446.1 | 5026.1 | 4992.9 |
| 45°   | 1577.1 | 1514.9 | 1456.8 | 1470.3 | 1463.0 | 1417.4 | 1522.2 | 3354.5 | 4670.2 | 5286.5 | 5290.7 |
| 47.5° | 1519.0 | 1457.8 | 1399.7 | 1383.1 | 1382.1 | 1402.8 | 1404.9 | 3371.1 | 5035.4 | 5705.7 | 5611.3 |
| 50°   | 1465.1 | 1403.9 | 1343.7 | 1287.7 | 1309.4 | 1373.8 | 1317.7 | 3358.7 | 5582.3 | 6168.5 | 5905.0 |
| 52.5° | 1409.1 | 1350.9 | 1284.5 | 1183.9 | 1241.0 | 1304.3 | 1239.9 | 3314.1 | 5916.4 | 6577.3 | 6419.6 |
| 55°   | 1344.7 | 1289.7 | 1199.5 | 1077.0 | 1146.5 | 1160.0 | 1160.0 | 2882.4 | 6058.5 | 6982.0 | 7079.5 |
| 57.5° | 1258.6 | 1186.0 | 1042.8 | 944.2  | 1006.5 | 954.6  | 1074.9 | 2017.1 | 5824.0 | 6854.4 | 7233.1 |
| 60°   | 1161.1 | 1083.2 | 931.8  | 861.2  | 879.9  | 788.6  | 916.2  | 1264.8 | 4826.9 | 5832.3 | 6488.1 |
| 62.5° | 1032.4 | 960.8  | 835.3  | 780.3  | 741.9  | 643.3  | 737.7  | 800.0  | 3308.9 | 4330.9 | 4778.1 |
| 65°   | 946.3  | 867.4  | 755.4  | 682.7  | 603.9  | 517.8  | 489.7  | 525.0  | 1779.5 | 2423.8 | 2725.8 |
| 67.5° | 844.6  | 766.8  | 660.9  | 569.6  | 506.3  | 444.1  | 395.3  | 382.9  | 610.1  | 807.2  | 873.7  |
| 70°   | 748.1  | 673.4  | 585.2  | 500.1  | 436.8  | 375.6  | 327.9  | 293.6  | 282.2  | 280.2  | 276.0  |
| 72.5° | 649.5  | 580.0  | 506.3  | 427.5  | 358.0  | 301.9  | 259.4  | 220.0  | 203.4  | 198.2  | 193.0  |
| 75°   | 532.3  | 477.3  | 403.6  | 318.5  | 262.5  | 210.6  | 177.4  | 151.5  | 137.0  | 131.8  | 125.5  |
| 77.5° | 342.4  | 317.5  | 253.2  | 205.4  | 158.8  | 125.5  | 107.9  | 91.3   | 82.0   | 79.9   | 74.7   |
| 80°   | 182.6  | 170.2  | 140.1  | 118.3  | 94.4   | 76.8   | 67.4   | 58.1   | 52.9   | 50.8   | 48.8   |
| 82.5° | 101.7  | 92.3   | 77.8   | 68.5   | 55.0   | 46.7   | 41.5   | 37.4   | 34.2   | 33.2   | 32.2   |
| 85°   | 45.7   | 39.4   | 31.1   | 29.1   | 25.9   | 23.9   | 22.8   | 20.8   | 19.7   | 18.7   | 17.6   |
| 87.5° | 2.1    | 4.2    | 5.2    | 4.2    | 4.2    | 6.2    | 7.3    | 7.3    | 6.2    | 6.2    | 5.2    |
| 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: P636775

CATALOG NUMBER: GWS-SA4B-740-U-SLL-W-GRSWH

**CANDELA DISTRIBUTION (continued):**

|       | 285°   | 295°   | 305°    | 315°    | 325°    | 335°   | 345°   | 355°   | 359°   | 360°   |
|-------|--------|--------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 2272.3 | 2272.3 | 2272.3  | 2272.3  | 2272.3  | 2272.3 | 2272.3 | 2272.3 | 2272.3 | 2272.3 |
| 2.5°  | 2424.9 | 2456.0 | 2459.1  | 2469.5  | 2456.0  | 2452.9 | 2431.1 | 2418.6 | 2407.2 | 2404.1 |
| 5°    | 2613.7 | 2676.0 | 2700.9  | 2718.5  | 2701.9  | 2693.6 | 2645.9 | 2596.1 | 2568.0 | 2554.6 |
| 7.5°  | 2807.7 | 2901.1 | 2949.9  | 2971.7  | 2973.7  | 2936.4 | 2854.4 | 2761.0 | 2714.3 | 2696.7 |
| 10°   | 2981.0 | 3096.2 | 3160.5  | 3202.0  | 3187.5  | 3141.8 | 3029.8 | 2903.2 | 2844.0 | 2828.5 |
| 12.5° | 3109.7 | 3219.7 | 3269.5  | 3296.4  | 3295.4  | 3270.5 | 3164.7 | 3027.7 | 2960.3 | 2944.7 |
| 15°   | 3192.7 | 3258.0 | 3261.2  | 3267.4  | 3285.0  | 3318.2 | 3263.2 | 3136.7 | 3061.9 | 3040.2 |
| 17.5° | 3258.0 | 3232.1 | 3183.3  | 3166.7  | 3206.2  | 3298.5 | 3331.7 | 3229.0 | 3148.1 | 3129.4 |
| 20°   | 3299.6 | 3168.8 | 3082.7  | 3050.5  | 3096.2  | 3246.6 | 3373.2 | 3312.0 | 3228.0 | 3204.1 |
| 22.5° | 3331.7 | 3109.7 | 2970.6  | 2948.8  | 2996.6  | 3190.6 | 3415.8 | 3410.6 | 3318.2 | 3285.0 |
| 25°   | 3382.6 | 3070.2 | 2891.8  | 2876.2  | 2920.8  | 3163.6 | 3472.8 | 3544.4 | 3462.5 | 3414.7 |
| 27.5° | 3462.5 | 3066.1 | 2851.3  | 2846.1  | 2907.3  | 3187.5 | 3554.8 | 3740.5 | 3637.8 | 3602.5 |
| 30°   | 3573.5 | 3105.5 | 2860.6  | 2871.0  | 2945.7  | 3273.6 | 3682.4 | 3964.7 | 3861.9 | 3806.9 |
| 32.5° | 3733.3 | 3211.4 | 3002.8  | 3047.4  | 3102.4  | 3411.6 | 3869.2 | 4207.4 | 4129.6 | 4048.7 |
| 35°   | 3943.9 | 3501.9 | 3423.0  | 3612.9  | 3561.0  | 3713.6 | 4094.4 | 4502.1 | 4407.7 | 4337.1 |
| 37.5° | 4225.1 | 4097.5 | 4170.1  | 4431.6  | 4306.0  | 4284.2 | 4369.3 | 4769.8 | 4717.9 | 4647.4 |
| 40°   | 4619.4 | 4645.3 | 4779.2  | 5122.6  | 4941.0  | 4801.0 | 4706.5 | 4971.1 | 4988.8 | 4901.6 |
| 42.5° | 4880.8 | 5000.2 | 5322.9  | 5713.0  | 5462.9  | 5127.8 | 4988.8 | 5228.4 | 5229.5 | 5150.6 |
| 45°   | 4978.4 | 5290.7 | 5965.1  | 6414.4  | 5996.3  | 5314.6 | 5144.4 | 5578.1 | 5567.7 | 5477.5 |
| 47.5° | 4943.1 | 5535.6 | 6632.3  | 7319.2  | 6681.1  | 5447.4 | 5122.6 | 6076.2 | 6160.2 | 6023.2 |
| 50°   | 4869.4 | 5781.5 | 7411.5  | 8427.3  | 7521.5  | 5588.5 | 5089.4 | 6628.2 | 6767.2 | 6661.4 |
| 52.5° | 4944.1 | 6055.4 | 8332.9  | 9572.9  | 8575.7  | 5813.6 | 5313.5 | 7336.8 | 7311.9 | 7184.3 |
| 55°   | 5180.7 | 6379.1 | 9452.5  | 11012.0 | 9733.7  | 6194.4 | 5889.4 | 8012.3 | 7759.1 | 7606.6 |
| 57.5° | 5169.3 | 6610.5 | 10434.1 | 12150.2 | 10741.2 | 6506.8 | 6089.6 | 8083.9 | 7572.4 | 7379.4 |
| 60°   | 4692.0 | 6504.7 | 10807.6 | 12870.3 | 11045.2 | 6334.5 | 5430.8 | 7220.6 | 6389.5 | 6187.2 |
| 62.5° | 3501.9 | 5772.1 | 10083.3 | 11968.7 | 10185.0 | 5471.2 | 4084.0 | 5182.8 | 4591.4 | 4250.0 |
| 65°   | 2240.2 | 4515.6 | 8477.2  | 9696.3  | 8395.2  | 4184.6 | 2432.1 | 2778.7 | 2176.9 | 2079.3 |
| 67.5° | 953.5  | 3187.5 | 6589.8  | 6480.8  | 6280.6  | 2711.2 | 939.0  | 782.3  | 583.1  | 572.8  |
| 70°   | 315.4  | 2168.6 | 4062.2  | 4322.6  | 3750.9  | 1867.7 | 310.2  | 262.5  | 261.5  | 252.1  |
| 72.5° | 206.5  | 1164.2 | 2286.9  | 2546.3  | 2413.4  | 1074.9 | 187.8  | 175.4  | 179.5  | 175.4  |
| 75°   | 123.5  | 253.2  | 384.9   | 500.1   | 384.9   | 180.5  | 113.1  | 111.0  | 113.1  | 107.9  |
| 77.5° | 72.6   | 70.6   | 68.5    | 68.5    | 67.4    | 62.3   | 57.1   | 55.0   | 56.0   | 57.1   |
| 80°   | 46.7   | 44.6   | 42.5    | 41.5    | 36.3    | 34.2   | 32.2   | 30.1   | 30.1   | 31.1   |
| 82.5° | 30.1   | 28.0   | 25.9    | 22.8    | 18.7    | 15.6   | 14.5   | 12.5   | 12.5   | 13.5   |
| 85°   | 15.6   | 12.5   | 9.3     | 7.3     | 4.2     | 2.1    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 3.1    | 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    |

(END OF REPORT)